

**INITIAL STATEMENT OF REASONS
FOR
PROPOSED BUILDING STANDARDS
OF THE
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT
REGARDING THE 2013 CALIFORNIA PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5

(HCD 05/12)**

The Administrative Procedure Act (APA) requires an Initial Statement of Reasons (ISOR) to be available to the public upon request when rulemaking action is being undertaken. The following information required by the APA pertains to this particular rulemaking action:

STATEMENT OF SPECIFIC PURPOSE, PROBLEM, RATIONALE AND BENEFITS:

(Government Code Section 11346.2(b)(1) requires a statement of specific purpose of **EACH** adoption, amendment or repeal, the problem the agency intends to address and the rationale for the determination by the agency that EACH adoption, amendment or repeal is reasonably necessary to carry out the purpose, including the problem the agency intends to address, for which it is proposed. The statement shall enumerate the benefits anticipated from the regulatory action, including the benefits or goals provided in the authorizing statute.)

1) The Public Problem, Administrative Requirement, or Other Circumstance Addressed.

Administrative Requirement: Health and Safety Code Sections 17922 and 19990 direct the Department of Housing and Community Development (HCD) to adopt the most recent edition of the model code, which, in this case, is the Uniform Plumbing Code (UPC) published by the International Association of Plumbing and Mechanical Officials (IAPMO) as selected by the California Building Standards Commission (CBSC), into Part 5 of Title 24, of the California Code of Regulations (CCR).

2) Specific Purpose

The CBSC selected the 2012 Uniform Plumbing Code, published by the International Association of Plumbing and Mechanical Officials, as the model code to be referenced in Title 24, Part 5 for the 2012 Triennial Code Adoption Cycle.

The specific purpose of these regulations is to adopt by reference the 2012 UPC, with California amendments, into Part 5, Title 24, CCR for the following programs:

- a) **State Housing Law:** relative to residential occupancies, buildings or structures accessory thereto.
- b) **Employee Housing Act:** relative to the use of plumbing equipment and systems in or on any building or structure or outdoors on premises or property in accordance with Health and Safety Code Section 17040.
- c) **Mobilehome Parks and Special Occupancy Parks:** relative to the use of plumbing equipment and systems in or on any permanent buildings, accessory buildings, and structures under the ownership and control of the park operator, within the park, in accordance with Health and Safety Code Section 18300 for mobilehome parks, and Health and Safety Code Section 18865 for special occupancy parks.
- d) **Factory-Built Housing Law:** relative to residential buildings, dwellings or portions thereof, or building components, or manufactured assemblies in accordance with Health and Safety Code Section 19990.

3) Rationale for Necessity.

The 2012 Uniform Plumbing Code was published by IAPMO and will automatically become adopted in its entirety, pursuant to Health and Safety Code Section 17922 (b), one year from its date of publication if not amended and proposed by HCD to the CBSC for adoption.

If the 2012 Uniform Plumbing Code becomes adopted in its entirety without being proposed for adoption with amendments by HCD to the CBSC, such automatic adoption would cause considerable confusion because California amendments, also known as State amendments, are necessary modifications to the model code language to ensure that the 2013 California Plumbing Code is consistent with state law and unique California conditions.

It is necessary to propose the adoption of some sections of the 2012 Uniform Plumbing Code, with amendments to the model code language, to incorporate state and federal laws and regulations, and to benefit the health, safety, and general welfare of California residents.

It is necessary to not propose the adoption of some sections of the 2012 Uniform Plumbing Code, as they would conflict with certain existing state and federal laws, and would not benefit the health, safety, and general welfare of California residents.

It is necessary to propose the removal of some California amendments previously proposed and adopted in the 2010 California Plumbing Code that are duplicated or replaced by similar new model code language, or incorporated state and federal laws, and are no longer necessary.

It is necessary to propose to bring forward previously existing California amendments. Some existing amendments will be brought forward without any changes and will represent no change in their effect from the 2010 California Plumbing Code. Other previously existing California amendments will be changed as explained below.

Specific Proposed Regulatory Actions:

HCD proposes to adopt by reference the 2012 edition of the Uniform Plumbing Code with amendments into the 2013 California Plumbing Code. The proposed amendments are intended to provide clarity, specificity and direction to the code user and to implement and make specific existing state laws. The proposed amendments are a result of recommendations developed during the public participation period prior to submittal to the California Building Standards Commission. The rationale for each amendment by chapter and section is listed below.

PART 1

1. DIVISION I CALIFORNIA ADMINISTRATION

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

1.1.1 Title.

Rationale: HCD proposes to continue adoption of the above referenced California amendment with a modification. The reference to the Uniform Plumbing Code is updated to show the change from the 2009 Uniform Plumbing Code to the 2012 Uniform Plumbing Code. There is no intended change in regulatory effect.

2. DIVISION II ADMINISTRATION

103.1.1 Exempt Work.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code.

3. CHAPTER 2 DEFINITIONS

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 2 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment as follows:

203.0

Approved

Rationale: HCD proposes to continue adoption of the above referenced California amendment. Note 3 is proposed to be deleted, which references Health and Safety Code 17921.3. Health and Safety Code Section 17921.3 remains in effect until building standards are adopted that conform to Section 17921.3 or until January 1, 2014. Since current building standards in the 2010 California Plumbing Code already meet the requirements of Health and Safety Code Section 17921.3, it is unnecessary to continue Note 3. As a result of this deletion, former Notes 4-6 are editorially renumbered to Notes 3-5.

205.0

Clothes Washer System Complex System

Rationale: HCD proposes to continue adoption of the above referenced California amendments and relocate the amendments into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

206.0

Disposal Field

Rationale: HCD proposes to continue adoption of the above referenced California amendment and relocate this amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

209.0

Gray Water

Rationale: HCD proposes to continue to not adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code. This definition was also not adopted into the 2010 California Plumbing Code during the adoption of Chapter 16A Part I by HCD. California Law defines gray water specifically in Section 17922.12 of the Health and Safety Code, which is proposed for adoption in a separate action.

Graywater

Rationale: HCD proposes to continue adoption of the above referenced California amendment with modification, and relocate this amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

Gray Water System

Rationale: HCD proposes to continue adoption of the above referenced California amendment with modification to add "on-site treated nonpotable water devices or equipment" as an item (or items) which may be included in a "Gray Water System". With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

211.0

Irrigation Field

Rationale: HCD proposes to continue adoption of the above referenced California amendment and relocate the amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing

Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

215.0

Mulch Basin

Rationale: HCD proposes to not adopt the model code definition for Mulch Basin from the 2012 Uniform Plumbing Code, and continue adoption of the above referenced California amendment and relocate the amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

217.0

On-Site Treated Nonpotable Water

Rationale: HCD proposes to not adopt the model code definition of On-Site Treated Nonpotable Water from the 2012 Uniform Plumbing Code and adopt the above referenced California amendment into the 2013 California Plumbing Code. This definition is modified from code language found in the 2012 Green Plumbing and Mechanical Code Supplement and identifies what on-site treated potable water is, and also what some of the sources of on-site treated nonpotable water may be.

220.0

Rainwater

Rationale: HCD proposes to not adopt the model code definition of Rainwater from the 2012 Uniform Plumbing Code, and adopt the above referenced California amendment into the 2013 California Plumbing Code. This definition is contained in Assembly Bill 1750 The Rainwater Capture Act of 2012 (February 17, 2012) and defines what rainwater is and identifies the collection surfaces which are suitable for collection of rainwater for use.

Rainwater Catchment System

Rationale: HCD proposes to not adopt the model code definition of Rainwater Catchment System from the 2012 Uniform Plumbing Code and adopt the above referenced California amendment into the 2013 California Plumbing Code. This definition is based on a definition contained in Assembly Bill 1750 The Rainwater Capture Act of 2012 (February 17, 2012) and defines what constitutes a rainwater catchment system, and identifies other commonly used terms.

Receiving Landscape

Rationale: HCD proposes to continue adoption of the above referenced California amendment and relocate the amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

Reclaimed (Recycled) Water

Rationale: HCD proposes to continue adoption of the above referenced California amendment and relocate the amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

221.0

Simple System

Rationale: HCD proposes to continue adoption of the above referenced California amendment and relocate the amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

Single Family Dwelling

Rationale: HCD proposes to not adopt the above referenced definition from the 2012 Uniform Plumbing Code. This definition conflicts with HCD's definition of "DETACHED SINGLE FAMILY DWELLING" contained in the California Building Code.

222.0

Treated Gray Water

Rationale: HCD proposes to continue adoption of the above referenced California amendment and relocate the amendment into Chapter 2 of the 2013 California Plumbing Code. With the proposed repeal of Chapter 16A, Part I from the 2010 California Plumbing Code and the proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code with amendment, the definitions are relocated from Chapter 16A to Chapter 2 for consistency with model code format.

4. CHAPTER 3 GENERAL REGULATIONS

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 3 from the 2012 Uniform Plumbing Code, except Sections 301.2.1, 301.2.1.1 and 301.2.1.2, into the 2013 California Plumbing Code without amendment. (See Sections 316.1.6 and 316.2.4 below for additional explanation):

316.1.6 Solvent Cement Plastic Pipe Joints. Exception (2)

Rationale: HCD proposes to repeal the above referenced California amendment and relocate the language to Chapter 6 of the 2013 California Plumbing Code based upon the reorganization of the 2012 Uniform Plumbing Code, which moved some provisions for plastic pipe joints from Chapter 3 of the 2009 Uniform Plumbing Code into Chapter 6 of the 2012 Uniform Plumbing Code. HCD proposes to relocate the first portion of the amendment that addresses solvent cement for CPVC pipe into Section 605.4.2 of the 2013 California Plumbing Code. HCD further proposes to relocate the second portion of the amendment, which addresses low VOC primer for solvent cement joints for PVC pipe into Section 605.13.2 and for transition joints into Section 705.10.4 of the 2013 California Plumbing Code. There is no intended change in regulatory effect.

316.2.4 Dielectric Unions.

Rationale: HCD proposes to repeal the above referenced California amendment and relocate the language that addresses dielectric unions into Section 605.16 of the 2013 California Plumbing Code. There is no intended change in regulatory effect.

5. CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 4 from the 2012 Uniform Plumbing Code, except Sections 422.2, 422.4 and 422.5, into the 2013 California Plumbing Code with amendment as follows:

402.1

Rationale: HCD proposes to repeal the above referenced existing California amendment. The 2012 Uniform Plumbing Code contains provisions for maximum showerhead flow in Section 408.2; therefore, HCD proposes a new amendment of Section 408.2 for consistency with the requirements of the California Green Building Standards Code (CALGreen) as the 2012 Uniform Plumbing Code maximum flow rate for showerheads exceeds that of CALGreen.

402.1.1 Shower Heads.

Rationale: HCD proposes to repeal the above referenced existing California amendment and relocate the language into Section 408.2 of the 2013 California Plumbing Code.

402.1.2 Faucets.

Rationale: HCD proposes to repeal the above referenced existing California amendment and relocate the language into Section 403.6 of the 2013 California Plumbing Code.

402.2.1 Water Closets after January 1, 1994.

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. Health and Safety Code Section 17921.3 requires water closets sold or installed on or after January 1, 2014, to be high efficiency water closets and have a flush volume less than Section 402.2.1 of the 2010 California Plumbing Code.

402.2.2 Availability.

Rationale: HCD proposes to repeal the above referenced existing California amendment regarding availability of water closets and not bring forward into the 2013 California Plumbing Code. The date range specified in the amendment ends on January 1, 2014, which is the effective date of the proposed adoption of the 2013 California Plumbing Code; therefore, the amendment is no longer necessary.

402.3.1 Urinals after January 1, 1994.

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. Health and Safety Code Section 17921.3 requires urinals sold or installed on or after January 1, 2014, to be high efficiency urinals and have a flush volume less than Section 402.3.1 of the 2010 California Plumbing Code.

402.3.2 Urinals on or after July 1, 2011 (HCD 1 & HCD 2).

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code Section 403.3 contains the same requirement for maximum urinal flush volume as this amendment, therefore, the amendment is no longer necessary.

402.3.3 Nonwater Supplied Urinals (Waterless Urinals).

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Section 403.3.1 "Nonwater Urinals", which adequately addresses the provisions included in this amendment; therefore, the amendment is no longer necessary.

402.7 Accessible Plumbing Facilities.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code, bringing forward an existing amendment, and renumbering the section due to model code changes. HCD however, proposes to repeal the references to Chapter 11B of the California Building Code, as DSA is currently developing its proposals for modification and/or reorganization of Chapter 11B of the 2013 California Building Code. Due to uncertainty with the final outcome, HCD proposes to delete references to Chapter 11B in all HCD amended sections referenced above related to accessibility. HCD will continue to closely monitor and evaluate the DSA proposals, when available. Amendments to sections, related to accessibility, may need further revision during the rulemaking process. There is no intended change in regulatory effect.

403.3 Urinals.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment. The amendment reduces water consumption per flush to 0.5 gallons, incorporating the provisions of an existing California amendment (Section 402.3.2) from the 2010 California Plumbing Code, which is proposed for repeal. There is no intended change in regulatory effect.

403.3.1 Nonwater Urinals.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment. The amendment provides a reference to Health and Safety Code

Section 17921.4, incorporating part of an existing California amendment (Section 402.3.3) from the 2010 California Plumbing Code, which is proposed for repeal. There is no intended change in regulatory effect.

403.3.1.1 Nonwater Urinal Drainage Connections.

Rationale: HCD proposes to adopt the above referenced California amendment. The language in this section derives from Section 402.3.1 of the 2012 IAPMO Green Plumbing and Mechanical Code Supplement, and provides a requirement for upstream fixtures to provide rinsing water to branch drain lines where non-water supplied urinals are installed. This section has an intended change in regulatory effect.

403.4 Metered Faucets.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment. The amendment reduces the gallons of water per use from 0.26 gallons to 0.25 gallons for consistency with the California Green Building Standards Code (CALGreen).

403.6 Kitchen Faucets.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code, bringing forward an amendment from Section 402.1.2 from the 2010 California Plumbing Code with modification that decreases the maximum flow rate from 2.2 gallons per minute (gpm) to 1.8 gpm to be consistent with the California Green Building Standards Code (CALGreen).

403.7 Residential Lavatory Faucets.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code for consistency with the requirements of the California Green Building Standards Code (CALGreen), which specifies the maximum flow rate for residential lavatory faucets.

403.8 Lavatory Faucets in Common and Public Use Areas.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code for consistency with the requirements of the California Green Building Standards Code (CALGreen), which specifies the maximum flow rate for residential lavatory faucets used in residential common and public use areas.

408.2 Water Consumption.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code, including a change that decreases the maximum flow rate from 2.5 gallons per minute (gpm) to 2.0 gpm as the requirements of the California Green Building Standards Code (CALGreen) are more restrictive than the 2012 Uniform Plumbing Code.

Additionally, locating pointers to the requirements of the CALGreen Code in other parts of the California Building Standards Code is helpful to the code user, and may make it an easier transition if the requirements of the CALGreen Code are relocated to other parts of the code in future rulemaking actions.

408.5 Finished Curb or Threshold. (Exception 1)

408.6 Shower Compartments. (Exception 1 and 3)

421.0 Fixtures and Fixture Fittings for Persons with Disabilities.

421.1 General.

TABLE 422.1 MINIMUM PLUMBING FACILITIES

Rationale: HCD proposes to adopt the above referenced sections and Table from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code, bringing forward existing amendments, and renumbering sections due to model code changes. HCD however, proposes to repeal the references to Chapter 11B of the California Building Code, with the exception of Table 422.1 exception (1), as DSA is currently developing its proposals for modification and/or reorganization of Chapter 11B of the 2013 California Building Code. Due to uncertainty with the final outcome, HCD proposes to delete references to Chapter 11B in all HCD amended sections referenced above related to accessibility. HCD will continue to closely monitor and evaluate the DSA proposals, when available. Amendments to sections related to accessibility may need further revision during the rulemaking process. There is no intended change in regulatory effect.

6. CHAPTER 5 WATER HEATERS

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 5 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

7. CHAPTER 6 WATER SUPPLY AND DISTRIBUTION

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 6 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment as follows:

601.4

Rationale: HCD proposes to repeal the above listed California amendment and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Section 415.4 which prohibits the installation of drinking fountains in toilet rooms; and Section 601.1 which requires adequate potable water to keep plumbing fixtures in a clean and sanitary condition; therefore, it is not necessary to bring Section 604.1 forward as an amendment to the model code. There is no intended change in regulatory effect.

604.13.1 PEX-AL-PEX and PE-AL-PE.

Rationale: HCD proposes to repeal the above listed amendment from the 2010 California Plumbing Code and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Section 605.11 as amended which addresses the use of PEX piping in potable water supply and distribution systems. There is no intended change in regulatory effect.

604.13.2 Water Heater Connections.

Rationale: HCD proposes to repeal the above listed amendment from the 2010 California Plumbing Code and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Section 604.13 and 605.11 as amended which addresses the use of PEX piping in potable water supply and distribution systems. There is no intended change in regulatory effect.

605.4.2 Solvent Cement Joints.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code with amendment. The amendment, which addresses low VOC one-step cement for CPVC, is carried forward from Section 316.1.6 of the 2010 California Plumbing Code and relocated to Section 605.4.2 with modification to repeal the title of the standard, leaving the number of the standard only which is consistent with model code format. There is no intended change in regulatory effect.

8. CHAPTER 7 SANITARY DRAINAGE

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 7 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment. (See Sections 705.1.7, 705.1.9 and 705.2.5 below for additional explanation):

705.1.7 Elastomeric Gasketed and Rubber-Ring Joints.

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Section 705.4.2, which adequately addresses the provisions included in the California amendment; therefore, it is not necessary to bring forward as an amendment to the model code. There is no intended change in regulatory effect.

705.1.9 Hubless Cast-Iron Pipe Joints.

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Section 705.4.2, which adequately addresses the provisions included in the California amendment; therefore, it is not necessary to bring forward as an amendment to model code. There is no intended change in regulatory effect.

705.2.5 ABS and PVC Pipe.

Rationale: HCD proposes to repeal the above referenced existing California amendment and not bring forward into the 2013 California Plumbing Code. The 2012 Uniform Plumbing Code contains Sections 605.13.2 and 705.1.2, which adequately address the provisions included in the California Amendment; therefore, it is not necessary to bring forward as an amendment to model code. There is no intended change in regulatory effect.

9. CHAPTER 8 INDIRECT WASTES

HCD proposes to adopt Chapter 8 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

10. CHAPTER 9 VENTS

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 9 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

11. CHAPTER 10 TRAPS AND INTERCEPTORS

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 10 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

12. CHAPTER 11 STORM DRAINAGE

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Chapter 11 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

**13. CHAPTER 12
FUEL GAS PIPING**

HCD proposes to adopt Chapter 12 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

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

HCD proposes to not adopt Chapter 13 from the 2012 Uniform Plumbing Code.

**15. CHAPTER 14
REFERENCED STANDARDS**

HCD proposes to adopt Chapter 14 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment as follows:

Table 1401.1 Referenced Standards

Rationale: HCD proposes to amend the referenced standards listed in Table 1401.1, by adding Standard NSF/ANSI 350-2011 Onsite Residential and Commercial Water Reuse Treatment Systems. This standard is adopted by reference and may be used to meet the minimum water quality requirements for onsite treated nonpotable gray water systems as outlined in Chapter 16.

**16. CHAPTER 15
FIRESTOP PROTECTION**

HCD proposes to not adopt Chapter 15 from the 2012 Uniform Plumbing Code.

**17. CHAPTER 16
ALTERNATE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

HCD proposes to adopt Chapter 16 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code with amendment as follows:

1601.1 Applicability.

Rationale: HCD proposes to adopt the above referenced section as amended. The provisions in Chapter 16 of the 2012 Uniform Plumbing Code apply to the construction, alteration, and repair of alternate water source systems for nonpotable applications. HCD proposes to amend this section by adding the words “discharge” and “use” to be consistent with the applicability of Section 1601A.0 (A) of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1601.1.1 Allowable Use of Alternate Water.

Rationale: HCD proposes to adopt the above referenced section as amended. The provisions in Chapter 16 of the 2012 Uniform Plumbing Code provide for reclaimed and recycled water in their list of alternate water sources. HCD does not have authority to adopt provisions for reclaimed/recycled water.

1601.2 System Design.

Rationale: HCD proposes to adopt the above referenced section as amended. Chapter 16 of the 2012 Uniform Plumbing Code requires a person registered or licensed to perform plumbing design work for all systems with four exceptions. HCD proposes to repeal model code language in this section as it is more restrictive than the requirements of Chapter 16A of the 2010 California Plumbing Code. Therefore, HCD proposes to bring forward

language from Section 501.2 of the 2012 Green Plumbing and Mechanical Code Supplement, which shares similar language with Section 1603A.1.3 of the 2010 California Plumbing Code. HCD's proposed adoption of Chapter 16 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code is not intended to be more restrictive than Chapter 16A of the 2010 California Plumbing Code.

1601.3 Permit.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code as amended. Chapter 16 of the 2012 Uniform Plumbing Code does not address a clothes washer system as adopted by HCD in Chapter 16A of the 2010 California Plumbing Code, so an exception was added for consistency. The provisions contained in Chapter 16A do not mandate a permit when the system does not require cutting of existing plumbing and meets (12) other specific requirements contained in Section 1603A.1.1. These requirements have been brought forward in separate action. Additionally, the model code language in this section contains (2) exceptions for rainwater catchment systems. HCD proposes to repeal these exceptions and relocate them into Chapter 17 of the 2013 California Plumbing Code with the balance of the requirements contained in the model code for nonpotable rainwater catchment systems. Further, HCD proposes to add an exception to Section 1601.3 to provide an exception from permit for a clothes washer system consistent with the provisions of Section 1603A.1.1 of Chapter 16A of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1601.5 Maintenance and Inspection.

Rationale: HCD proposes to adopt the above referenced section as amended. Maintenance and inspection shall be as required by the manufacturer's recommendations or as required by the local enforcement agency. This amendment which added the words "the manufacturer's recommendations and/or as required by the enforcing agency" at the end of the sentence, gives the local enforcing agency and/or the manufacturer or installer of the particular components or system the ability to determine the required maintenance and inspection requirements.

TABLE 1601.5 MINIMUM ALTERNATE WATER SOURCE TESTING, INSPECTION, AND MAINTENANCE FREQUENCY.

Rationale: HCD proposes to not adopt the above referenced Table from the 2012 Uniform Plumbing Code. As a result of the proposed actions concerning Sections 1601.5, 1601.5.1 and 1601.5.2, the Table is no longer necessary and may conflict with the manufacturer's recommendations or local requirements.

1601.5.1 Frequency.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code because it is more restrictive than Chapter 16A of the 2010 California Plumbing Code. **(See Section 1601.5.3 "Maintenance Responsibility", which is renumbered to Section 1601.5.1)**

1601.5.2 Maintenance Log.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code because it is more restrictive than Chapter 16A of the 2010 California Plumbing Code.

1601.5.3 Maintenance Responsibility.

Rationale: HCD proposes to renumber Section 1601.5.3 "Maintenance Responsibility" from the 2012 Uniform Plumbing Code for adoption as Section 1601.5.1 into the 2013 California Plumbing Code. The change is consistent with Chapter 16A of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1601.6 Operation and Maintenance Manual.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code as amended. HCD proposes to add the word "installer" in the first sentence to identify who else may be required to provide the manual in the absence of a system designer or when the installer is the building owner. HCD also proposes to amend the list of requirements for consistency with Section 1605A.0 (A) of the 2010 California Plumbing Code as follows:

Item (1) Repeal the requirements for a detailed diagram and only require a diagram of the system.

- Item (3) Replace “Details on maintaining the required water quality as determined by the Authority Having Jurisdiction” with “Instructions on maintaining the required water quality for on-site treated nonpotable water systems”.
- Item (4) Add the words “startup” and “shutdown” to the list of details for deactivating the system for maintenance and repair.
- Item (5) Change the reference from “Table” 1601.5 to “Section” 1601.5.
- Item (6) Added the words “installer and/or”.
- Item (7) Add the words “Directions to the owner or occupant that the manual shall remain with the building throughout the lifecycle of the structure”.

1601.7 Minimum Water Quality Requirements.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. HCD proposes to adopt by reference NSF/ANSI 350 “Onsite Residential and Commercial Water Reuse Treatment Systems” (for gray water) to replace the previous EPA standard (EPA/625/R-04/108). Exception 1 and 3 are proposed to be repealed as rainwater provisions are located in Chapter 17. Exception 2 is amended to remove the number and to state that water treatment is not required for gray water used in a disposal field or for subsurface or subsoil irrigation.

1602.0 Gray Water Systems.

1602.1 General.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Chapter 16 of the 2012 Uniform Plumbing Code does not address all of the provisions of Section 1601A.0 “Graywater Systems – General” items (A) thru (I) of the 2010 California Plumbing Code. The amendment to this section brings forward items (A) through (I) from Chapter 16A of the 2010 California Plumbing Code for clarification and consistency. “Reduced-pressure principle backflow preventer” has been added for consistency with other sections with provisions for connections between systems and potential backflow.

1602.1.1 Clothes Washer System.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. The provisions in Chapter 16 of the 2012 Uniform Plumbing Code do not address a clothes washer system and the 12 design criteria provided in Section 1603A.1.1 of the 2010 California Plumbing Code. Adding this language will provide consistency with Chapter 16A, Section 1603A.1.1 of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.1.2 Simple System.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. The provisions in Chapter 16 of the 2012 Uniform Plumbing Code do not address a simple system and the 3 design criteria provided in Section 1603A.1.2 of the 2010 California Plumbing Code. Adding this language will provide consistency with Chapter 16A, Section 1603A.1.2 of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.1.3 Complex System.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. The provisions in Chapter 16 of the 2012 Uniform Plumbing Code do not address a complex system and the 3 design criteria provided in Section 1603A.1.3 of the 2010 California Plumbing Code. Adding this language will provide consistency with Chapter 16A, Section 1603A.1.3 of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.2.1 Discharge.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. For consistency with 2010 CPC Chapter 16A the section is amended to include disposal field as a location where gray water may be discharged. HCD further proposes to replace “single family and multi-family dwellings” with “residential occupancies” as HCD’s authority covers all residential occupancies. The amendment will make this section consistent with Chapter 16A of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.2.2 Surge Capacity.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. For consistency with 2010 CPC Chapter 16A the section is amended to include disposal field as a location where gray water may be discharged, as well as an exception to state that diversion of gray water by a diverter valve or overflow to the building sewer is allowed. There is no intended change in regulatory effect.

1602.2.3 Diversion.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. HCD recognized that there is no commercially available valve identified as an “approved gray water diverter valve” and proposes to amend the term to remove the words “gray water”. For consistency with this code, a diverter valve shall be in a readily accessible location, and must not require removal of any panel, door, or similar obstruction to access the valve to allow diversion of gray water to the subsurface irrigation field, subsoil irrigation field, disposal field, mulch basin, or the building sewer. There is no intended change in regulatory effect.

1602.2.4 Backwater Valves.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment identifies that when a gray water system drains into a building sewer system it shall be protected at the point of connection by a backwater valve.

1602.3 Connections to Potable and Recycled Water Systems.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Amendments include changing the term “direct” to “unprotected” to identify that direct connections may be allowed provided they are protected by either an airgap or other approved device which prevents backflow into the water system. HCD also proposes to include the word “rainwater” in the last sentence for use as makeup water for storage tanks when the connection to the tank is protected by a backflow method or device. Additionally “reduced-pressure principle backflow preventer, or other physical device which prevents backflow” is added to clarify that other means besides an airgap may be used to prevent backflow.

1602.4 Location.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. An exception is added, which may allow discharge of gray water from one lot onto an adjacent lot provided certain requirements are met. This change is consistent with the exception in Chapter 16A, Section 1601A.0 (C) of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

TABLE 1602.4 LOCATION OF GRAY WATER SYSTEM.

Rationale: HCD proposes to adopt the above referenced Table from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Table 1602.4 establishes the minimum horizontal distance required from various elements such as structures and property lines. The Table is amended to add a column for “Disposal Fields”, and the minimum horizontal distance from a stream or a lake is amended from 50 feet to 100 feet. The distance required between an onsite domestic water service line is amended from 5 feet to 0 feet.

Footnote (1) is amended to clarify what building structures are not included. “Roofed porte cocheres” is added to the list of structures not included as buildings.

Footnote (3) is amended bringing forward language from Table 16A-1 which provides more information than the model language contains.

Footnote (10) is deleted as this language is more restrictive than Table 16A-1 of the 2010 California Plumbing Code.

A new Footnote (10) is added to allow that the minimum horizontal distance to be reduced to 50 feet (15,240 mm) for irrigation or disposal fields utilizing graywater, which has been filtered prior to entering the distribution piping.

The amendments summarized above provide consistency between Table 1602.4 (and footnotes) and Table 16A-1 of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.5 Plot Plan Submission.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The provisions of Chapter 16 of the 2012 Uniform Plumbing Code require that a plot plan shall be submitted prior to issuing a permit. This requirement is more restrictive than the provisions in Section 1603A.0 of the 2010 California Plumbing Code, which allow a clothes washer system in compliance with Section 1602.1.1 to be installed without submitting a plot plan. The amendment will make it consistent with Chapter 16A of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.6 Prohibited Location.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment eliminates items that are already covered in Section 1602.2. The term “geologically sensitive area” as determined by the Authority Having Jurisdiction, is proposed to be deleted because it is not a defined term that can be universally applied statewide. Site conditions vary statewide and it is more appropriate for the local enforcing agencies to determine where gray water systems shall not be installed.

1602.7 Drawings and Specifications.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Due to the fact that each Enforcing Agency or Authority Having Jurisdiction has its own requirements for permit issuance “shall require” has been changed to “may require” with regard to the information required on the plans. The requirement for a percolation test in # 4 of the model code is more restrictive than the requirement of Section 1604A.0 of the 2010 California Plumbing Code, therefore an exception is added to allow a waiver. Item #4 is also amended to include disposal area as a location of a gray water system which may include a disposal field.

Exception (1) is amended to make an editorial correction, as IAPMO’s reference to Table 1602.4 is incorrect. The correct reference is to Table 1602.10.

Exception (2) is added stating that the enforcing agency may waive the requirement for identification of groundwater level and/or soil absorption qualities based on knowledge of local conditions, which is consistent with Chapter 16A of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

Exception (3) is added to bring forward language contained in a note in Section 1604A.1 of the 2010 California Plumbing Code which was not found in the model code language of Section 1602.7 of the 2012 Uniform Plumbing Code. There is no intended change in regulatory effect.

1602.8 Procedure for Estimating Gray Water Discharge.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Chapter 16 of the 2012 Uniform Plumbing Code states that gray water systems shall be designed to distribute the total amount of gray water on a daily basis. An exception is added to explain that it is not the intent to require that all gray water is handled by an irrigation field or disposal field, and it is acceptable for excess gray water to be diverted to the building sewer. This is consistent with the note located in Chapter 16A, Section 1601A.0 (B) of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.8.1 Residential Occupancies.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Section 1602.8.1 “Single Family Dwellings and Multi-Family Dwellings” of the 2012 Uniform Plumbing Code is more restrictive than Chapter 16A of the 2010 California Plumbing Code. HCD’s authority includes all residential occupancies, and this amendment will make it consistent with Chapter 16A of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.8.3 Daily Discharge.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. Adding “gray water systems using tanks shall be designed to minimize the amount of time gray water is held in the tank and shall be sized to distribute the total amount of estimated gray water on a daily basis” provides consistency between Section 1602.8 of the 2013 California Plumbing Code and Section 1606A.0 (B) of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.9 Gray Water System Components.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Based on other amendments to this section and chapter, it is more appropriate to indicate that gray water systems must comply with the chapter.

1602.9.1 Surge Tanks.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment removes the requirement for the tank to be protected from direct sunlight and constructed of UV resistant materials which is more restrictive than Chapter 16A of the 2010 California Plumbing Code.

Item (1) is amended to include language from the 2012 International Green Construction Code (IGCC) Section 708.12.6.2 with modification to replace the “and” with an “or” to clarify that the tank does not need to be protected from direct sunlight and be constructed of UV resistant materials.
Item (4) is amended to state “GRAY WATER SYSTEM, CAUTION UNSAFE WATER”.
Item (9) is amended to clarify that other approved methods may be permitted.
Item (11) is added stating “An overflow drain and backwater valve is not required on a clothes washer system.”

The amendments summarized above make this section consistent with Section 1609A.0 of the 2010 California Plumbing Code. There is no intended change in regulatory effect.

1602.9.2 Gray Water Pipe and Fitting Materials.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt into the 2013 California Plumbing Code. Materials requirements for gray water piping systems are prescribed in other sections of the California Plumbing Code.

1602.9.2. Animals and Insects.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. This amendment is a blend of language contained in the 2012 International Green Construction Code and the 2012 Green Plumbing and Mechanical Code Supplement. This amendment is intended to prevent the entry of Mosquitoes, other insects, and vermin into surge tanks.

1602.9.3 Subsoil Irrigation Field and Disposal Field Materials.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code. The language from Chapter 16A of the 2010 California Plumbing Code regarding materials is proposed for adoption in Section 1602.11.

1602.9.3 Freeze Protection.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. Freeze protection is proposed to be carried into this section from Section 1702.9.9 of this code to provide protection to gray water systems installed in areas subject to freezing.

1602.9.4 Subsurface Irrigation Field and Mulch Basin Supply Line Materials.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt it into the 2013 California Plumbing Code. The requirements for materials used for irrigation fields and mulch basins are proposed to be adopted in Section 1602.11 of this code.

1602.9.5 Valves.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt it into the 2013 California Plumbing Code. The requirements for valves to be in an accessible location is proposed in Section 1602.2.3.

1602.9.6 Trap.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt it into the 2013 California Plumbing Code. The requirements for traps to be installed for every fixture which may be a source of sewer gas into the building is already required by Chapter 10 of the California Plumbing Code

1602.9.7 Backwater Valve.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt it into the 2013 California Plumbing Code. The requirements for a backwater valve to be installed are located in 1602.2.4.

1602.10.2 Determination of Maximum Absorption Capacity.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. An exception is added at the end of the section stating "The Enforcing Agency may waive the requirement for percolation tests based on knowledge of local conditions or accept other testing methods." The amendments provide consistency with Section 1608A.0 of the 2010 California Plumbing Code.

1602.10.3 Groundwater Level.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. A note is added for consistency with Section 1607A.0 of the 2010 California Plumbing Code.

1602.11 Subsurface and Subsoil Irrigation Field, and Mulch Basin Design and Construction.

1602.11.1 Subsurface Irrigation Field.

1602.11.1.1 Minimum Depth.

1602.11.1.2 Filter.

1602.11.1.3 Emitter Size.

1602.11.1.4 Number of Emitters.

1602.11.1.5 Controls.

1602.11.1.6 Maximum Pressure.

1602.11.2 Mulch Basin.

1602.11.2.1 Single Family and Multi-Family Dwellings.

1602.11.2.2 Size.

1602.11.2.3 Minimum Depth.

1602.11.2.4 Maintenance.

1602.11.3 Subsoil Irrigation Field.

1602.11.3.1 Minimum Pipe Size.

1602.11.3.2 Filter Material and Backfill.

1602.11.3.3 Subsoil Irrigation Field Construction.

Rationale: HCD proposes to repeal the above referenced sections from the 2012 Uniform Plumbing Code and not adopt these sections into the 2013 California Plumbing Code. HCD proposes in a separate action to bring forward sections from Chapter 16A of the 2010 California Plumbing Code which address measures contained in the above referenced sections.

1602.11 Irrigation, Disposal Field and Mulch Basin Construction.

Rationale: HCD proposes to adopt the above referenced section from Chapter 16A Part I of the 2010 California Plumbing Code into the 2013 California Plumbing Code. Chapter 16A Part I of the 2010 CPC contains separate and specific sections for each of the different types of fields which more clearly identify the design and construction requirements for each unique application. There is no intended change in regulatory effect.

1602.11.1 Mulch Basin.

Rationale: HCD proposes to adopt the above referenced section from Chapter 16A Part I of the 2010 California Plumbing Code into the 2013 California Plumbing Code. Chapter 16A Part I of the 2010 CPC contains separate and specific sections for each of the different types of fields which more clearly identify the design and construction requirements for each unique application. There is no intended change in regulatory effect.

1602.11.2 Irrigation Field.

Rationale: HCD proposes to adopt the above referenced section from Chapter 16A Part I of the 2010 California Plumbing Code into the 2013 California Plumbing Code. Chapter 16A Part I of the 2010 CPC contains separate and specific sections for each of the different types of fields which more clearly identify the design and construction requirements for each unique application. There is no intended change in regulatory effect.

TABLE 1602.11 SUBSURFACE IRRIGATION DESIGN CRITERIA FOR SIX TYPICAL SOILS

Rationale: HCD proposes to adopt the above referenced section from Chapter 16A Part I of the 2010 California Plumbing Code into the 2013 California Plumbing Code. Chapter 16A Part I of the 2010 CPC contains separate and specific sections for each of the different types of fields which more clearly identify the design and construction requirements for each unique application. This Table takes the place of Table 16A-3 from the 2010 California Plumbing Code and provides the irrigation design criteria for six typical soils. There is no intended change in regulatory effect.

1602.11.3 Disposal Field.

Rationale: HCD proposes to adopt the above referenced section from Chapter 16A Part I of the 2010 California Plumbing Code into the 2013 California Plumbing Code. Chapter 16A Part I of the 2010 CPC contains separate and specific sections for each of the different types of fields which more clearly identify the design and construction requirements for each unique application. There is no intended change in regulatory effect.

TABLE 1602.11.3 SUBSOIL IRRIGATION FIELD CONSTRUCTION

Rationale: HCD proposes to adopt the above referenced Table from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The "Bottom width of trench" is amended to read 24 inches maximum in lieu of 18 inches. The row "depth of earth cover of lines" reflects a minimum of 10 inches rather than 2 inches minimum as required in Table 1611A.3 (C). Additionally, a footnote has been added regarding leaching chambers for consistency with Chapter 16 of the 2010 California Plumbing Code. This Table takes the place of the chart in Section 1611A.3 of the 2010 California Plumbing Code and provides the construction requirements for disposal fields and subsurface irrigation fields.

1602.12 Gray Water System Color and Marking Information.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The marking interval and identification requirements for gray water piping have been brought forward from Chapter 16A of the 2010 California Plumbing Code.

1602.13.1 Other Collection and Distribution Systems.

Rationale: HCD proposes to re-number and adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Section 301.2 as referenced already contains language regarding the authority of the Authority Having Jurisdiction. There is no intended change in regulatory effect.

1602.13.1. Higher Requirements.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt into the 2013 California Plumbing Code. The powers and authority of the Authority Having Jurisdiction is adequately addressed elsewhere in this code. There is no intended change in regulatory effect.

1602.13.2 Future Connections.

Rationale: HCD proposes to adopt the above referenced section into the 2013 California Plumbing Code. This section originates from Section 1612A.0 (C) in the 2010 California Plumbing Code and is brought forward with a new title into the 2013 California Plumbing Code. The identification requirement has been modified for consistency with other sections. There is no intended change in regulatory effect.

1602.15 Maintenance.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The model code references Table 1601.5, however HCD proposes to not adopt this table and has proposed other means for maintenance including recommendations from the manufacturer and/or as specified by the local enforcing agency.

1603.0 Reserved.

Rationale: HCD proposes in other action to repeal Section 1603 from the 2012 Uniform Plumbing Code, and in this action to reserve this section for possible future use.

1603.1 General.

1603.2 Permit.

1603.2.1 Plumbing Plan Submission.

1603.3 System Changes.

1603.4 Connections to Potable or Reclaimed (Recycled) Water Systems.

1603.5 Initial Cross-Connection Test.

1603.6 Reclaimed (Recycled) Water System Materials.

1603.7 Reclaimed (Recycled) Water System Color and Marking Information.

1603.8 Valves.

1603.9 Installation.

1603.9.1 Hose Bibbs.

Figure 1603.9

1603.9.2 Required Appurtenances.

1603.9.3 Same Trench as Potable Water Pipes.

1603.10 Signs

1603.10.1 Commercial, Industrial, and Institutional Restroom Signs.

1603.10.2 Equipment Room Signs.

1603.11 Inspection and Testing.

1603.11.1 Supply System Inspection and Test.

1603.11.2 Annual Cross-Connection Inspection and Testing.

1603.11.2.1 Visual System Inspection.

1603.11.2.2 Cross-Connection Test.

1603.11.2.3 Discovery of Cross-Connection.

1603.11.2.4 Annual Inspection.

1603.12 Sizing.

Rationale: HCD proposes to not adopt the above referenced sections from the 2012 Uniform Plumbing Code. HCD does not have authority for recycled water. Recycled water is under the authority of the Department of Water Resources and the requirements are located in Chapter 16A, Part II.

1604.0 On-Site Treated Nonpotable Gray Water Systems.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. Modification of the section title to limit the on-site treated water systems to on-site treated nonpotable gray water is consistent with the scope of Section 1604.

1604.1 General.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term "on-site treated nonpotable water" has been changed to "on-site treated nonpotable gray water", and another paragraph has been added identifying other potential sources of water for reuse.

1604.2 Plumbing Plan Submission.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.3 System Changes.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.4 Connections to Potable, Recycled, or Rainwater Water Systems.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”. The addition of the word “unprotected” and reference to reduced-pressure principle backflow preventer or other physical devices which prevent backflow, allows other approved devices or methods to be used to protect water systems from contamination.

1604.6 On-Site Treated Nonpotable Gray Water System Materials.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.7 On-Site Treated Nonpotable Gray Water Devices and Systems.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.8 On-Site Treated Nonpotable Gray Water System Color and Marking Information.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.10 Design and Installation.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.10.1 Listing Terms and Installation Instructions.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.10.2 Minimum Water Quality.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”. Additionally HCD proposes to add language as a pointer to water quality requirements for on-site treated nonpotable gray water when there are no requirements specified by the local public health authority.

1604.10.3 Deactivation and Drainage.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.10.4 Near Underground Potable Water Pipe.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.10.5 Required Filters.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.10.6 Disinfection.

Rationale: HCD proposes to adopt the above listed section into the 2013 California Plumbing Code. This language is taken from the 2012 International Green Construction Code and provides additional guidance when disinfection and/or treatment of on-site treated nonpotable water is required.

1604.11 Signs.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment informs the code user that signs shall also comply with the applicable requirements of the California Building Code.

1604.11.1 Commercial, Industrial, Institutional, and Residential Restroom Signs.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”. Residential common use area restrooms have been included in this section, and the lettering requirements have been removed as they are already covered in the California Building Code.

1604.11.2 Equipment Room Signs.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.12 Inspection and Testing.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. This section states that “on-site treated nonpotable water systems shall be inspected and tested in accordance with Sections 1604.12.1 and 1604.12.2.” HCD proposes to add the phrase “or as required by the Authority Having Jurisdiction” to clarify that the local enforcing agency may require different inspection requirements than those specified in this section or may require additional inspections to those specified.

1604.12.1 Supply System Inspection and Test.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.12.2 Cross-Connection Inspection and Testing.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. HCD proposes to repeal the requirement for annual inspection and

testing, and instead require initial cross connection testing and inspection only. Additionally, the term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.12.2.2 Cross-Connection Test.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.12.2.3 Discovery of Cross-Connection.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

1604.12.2.4 Annual Inspection.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt into the 2013 California Plumbing Code.

1604.13 Sizing.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The term “on-site treated nonpotable water” has been changed to “on-site treated nonpotable gray water”.

18. CHAPTER 16A NON-POTABLE WATER REUSE SYSTEMS – PART I

Rationale: HCD proposes to repeal the above referenced Chapter 16A, Part I (Sections 1601A.0 through 1612A.1 and Tables 16A-1 through 16A-3). In a separate action, HCD proposes to adopt Chapter 16 of the 2012 Uniform Plumbing Code, which contains provisions for alternate water sources for nonpotable applications including rainwater, gray water and onsite treated nonpotable water, into the 2013 California Plumbing Code as amended. With the adoption of Chapter 16 of the 2012 Uniform Plumbing Code, including amendments, it is not necessary to continue the adoption of Chapter 16A, Part I.

19. CHAPTER 17 NONPOTABLE RAINWATER CATCHMENT SYSTEMS

HCD proposes to adopt Chapter 17 from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended.

1701.1 Applicability.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment clarifies to the code user that there are additional requirements in Chapter 16 which may apply to nonpotable rainwater catchment systems, as they are also Alternate Water Source Systems.

1702.2.1 Permit.

Rationale: HCD proposes to add the above referenced section to identify the requirements for permits and clarify when exceptions may apply which allow some rainwater catchment systems to be installed without a permit.

1702.4 Connections to Potable or Reclaimed (Recycled) Water Systems.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment replaces the word “direct” to “unprotected” to clarify that connections are permitted provided they are protected with an approved backflow device.

1702.7.4 Collections Surfaces.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt into the 2013 California Plumbing Code. The requirements for collection surfaces are identified in Section 1702.9.3 as a California amendment.

1702.9.3 Collection Surfaces.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. HCD proposes to repeal the model code language from the 2012 UPC and adopt provisions from the 2012 Green Plumbing and Mechanical Code Supplement and the 2012 IGCC, expanding rainwater collection surfaces to include parking and pedestrian surfaces and other manmade impervious surfaces and to clarify that water collected from parking surfaces or below grade surfaces shall meet water quality requirements for on-site treated nonpotable gray water.

1702.9.4 Minimum Water Quality.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. In the absence of local water quality requirements for harvested rainwater, Table 1702.9.4 is added to provide minimum treatment and water quality requirements for rainwater. An exception is added to clarify when treatment is not required. The exception for systems less than 5000 gallons which use non sprinkled surface irrigation has been relocated from the body of the text to the exception, and additional information has been added to allow systems with storage tanks less than 5000 gallons to be installed when the tank is supported on grade and the height to diameter ratio does not exceed 2 to 1.

1702.9.4.1 Disinfection.

Rationale: HCD proposes to adopt the above listed section into the 2013 California Plumbing Code. This language is taken from the 2012 International Green Construction Code and provides additional guidance when disinfection and/or treatment of on-site treated nonpotable water is required.

TABLE 1702.9.4 Minimum Treatment and Water Quality For Rainwater.

Rationale: HCD proposes to adopt the above referenced Table from the 2012 IAPMO Green Plumbing and Mechanical Code Supplement into the 2013 California Plumbing Code as amended. The word "Surface" has been added to the second row of the Application Column indicating that surface irrigation may be permitted. The word "Disinfection" was removed from the third row of the Minimum Treatment Column, to clarify that no treatment is required for irrigation from systems where the storage volume is less than 360 gallons.

1702.9.5 Rainwater Storage Tanks.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The reference to Section 1702.9.5.7 has been amended to Section 1702.9.5.8 to include the requirements for marking added in a separate action.

1702.9.5.4 Below Grade.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment provides a minimum size requirement for manholes and service ports for all below grade tanks.

1702.9.5.5 Drainage and Overflow.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment clarifies that the tank drain must also be protected from backflow of the storm drainage system by a backflow preventer and that the backflow device shall be accessible for service and repair.

1702.9.5.6(A) Animals and Insects.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment specifies that screens installed to prevent entrance of insects, birds, and rodents shall have an aperture of no more than 1/16 of an inch.

1702.9.5.6(B) Human Access.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment specifies that there shall be at least one access opening in rainwater storage tanks for inspection and cleaning, and that the access must be lockable to prevent unauthorized access into the tank.

1702.9.5.7 Venting.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. This amendment is based on Section 707.11.7.6 of the 2012 International Green Construction Code and specifies that rainwater tanks shall be adequately vented in accordance with the California Plumbing Code.

1702.9.11 Required Filters.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment makes a grammatical correction and adds an “s” to the end of the word “system” to clarify that filters shall be provided on any installed rainwater supplied drip irrigation system(s).

1702.10 Signs.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment informs the code user that signs shall also comply with the applicable requirements of the California Building Code.

1702.10.1 Commercial, Industrial, and Institutional, and Residential Restroom Signs.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment adds “residential common use area restrooms” to the areas required to be provided with signage to inform the occupants of the use of nonpotable rainwater for flushing of water closets and urinals.

1702.10.2 Equipment Room Signs.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. This amendment modifies the marking requirements of the model code and only requires the marking to indicate that the water is nonpotable water which is consistent with other sections of this chapter.

1702.11.2. Cross-Connection Inspection and Testing.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. The amendment removes the requirement for annual cross connection testing.

1702.11.2.3 Discovery of Cross-Connection.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code as amended. This amendment clarifies step 1 to indicate that the water shall be shut off at the source regardless if there is a meter or not.

1702.11.2.4 Annual Inspection.

Rationale: HCD proposes to repeal the above referenced section from the 2012 Uniform Plumbing Code and not adopt into the 2013 California Plumbing Code. The proposed repeal of this section removes the requirement for annual inspection of the rainwater catchment system.

20. APPENDIX A “RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM”

HCD proposes to adopt Appendix A from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

21. APPENDIX B “EXPLANATORY NOTES ON COMBINATION WASTE AND VENT SYSTEMS”

HCD proposes to not adopt Appendix B from the 2012 Uniform Plumbing Code.

22. APPENDIX C “ALTERNATE PLUMBING SYSTEMS”

HCD proposes to not adopt Appendix C from the 2012 Uniform Plumbing Code.

23. APPENDIX D “SIZING STORMWATER DRAINAGE SYSTEMS”

HCD proposes to adopt Appendix D from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

24. APPENDIX E “MANUFACTURED/MOBILE HOME PARKS AND RECREATIONAL VEHICLE PARKS”

HCD proposes to not adopt Appendix E from the 2012 Uniform Plumbing Code.

25. APPENDIX F “FIREFIGHTER BREATHING AIR REPLENISHMENT SYSTEMS”

HCD proposes to not adopt Appendix F from the 2012 Uniform Plumbing Code.

26. APPENDIX G “SIZING OF VENTING SYSTEMS SERVING APPLIANCES EQUIPPED WITH DRAFT HOODS, CATEGORY I APPLIANCES, AND APPLIANCES LISTED FOR USE WITH TYPE B VENTS”

HCD proposes to not adopt Appendix G from the 2012 Uniform Plumbing Code.

27. APPENDIX H “PRIVATE SEWAGE DISPOSAL SYSTEMS” [FORMERLY APPENDIX K]

HCD proposes to adopt Appendix H from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

28. APPENDIX I “INSTALLATION STANDARDS”

(See Part 2 of this document for existing California amendments proposed to be brought forward from the 2010 CPC for adoption into the 2013 CPC.)

HCD proposes to adopt Appendix I from the 2012 Uniform Plumbing Code into the 2013 California Plumbing Code without amendment.

29. APPENDIX J “COMBINATION OF INDOOR AND OUTDOOR COMBUSTION AND VENTILATION OPENING DESIGN”

HCD proposes to not adopt Appendix J from the 2012 Uniform Plumbing Code.

30. APPENDIX K “POTABLE RAINWATER CATCHMENT SYSTEMS”

HCD proposes to not adopt Appendix K from the 2012 Uniform Plumbing Code.

31. APPENDIX L “GREEN PLUMBING CODE SUPPLEMENT”

HCD proposes to not adopt Appendix L from the 2012 Uniform Plumbing Code.

PART 2

NOTE: The language in Part 2 is brought forward from the previous code adoption cycle *without change*, except for nonsubstantive editorial corrections, and is displayed for context and the convenience of the code user.

32. CHAPTER 1 ADMINISTRATION DIVISION I CALIFORNIA ADMINISTRATION

HCD proposes to bring forward the following existing California amendments contained in Chapter 1, Administration, Division I, California Administration from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code as follows:

- 1.1.0 General
- 1.1.1 Title (See Part 1)
- 1.1.2 Purpose.
- 1.1.3 Scope.
- 1.1.3.1 Nonstate-Regulated Buildings, Structures, and Applications.
- 1.1.3.2 State-Regulated Buildings, Structures, and Applications.
- 1.1.4 Appendices.
- 1.1.5 Referenced Codes.
- 1.1.6 Non-Building Standards, Orders and Regulations.
- 1.1.7 Order of Precedence and Use.
- 1.1.7.1 Differences.
- 1.1.7.2 Specific Provisions.
- 1.1.7.3 Conflicts.
- 1.1.8 City, County, or City and County Amendments, Additions or Deletions.
- 1.1.8.1 Findings and Filings.
- 1.1.9 Effective Date of this Code.
- 1.1.10 Availability of Codes.
- 1.1.11 Format.
- 1.1.12 Validity.

- 1.8.0 Department of Housing and Community Development (HCD).
- 1.8.1 Purpose.
- 1.8.2 Authority and Abbreviations.
- 1.8.2.1 General.
- 1.8.2.1.1 Housing Construction.
- 1.8.2.1.2 Housing Accessibility.
- 1.8.2.1.3 Permanent Buildings in Mobilehome Parks and Special Occupancy Parks.
- 1.8.3 Local Enforcing Agency.
- 1.8.3.1 Duties and Powers.
- 1.8.3.2 Laws, Rules, and Regulations.
- 1.8.3.2.1 State Housing Law.
- 1.8.3.2.2 Mobilehome Parks Act.
- 1.8.3.2.3 Special Occupancy Parks Act.
- 1.8.3.2.4 Employee Housing Act.
- 1.8.3.2.5 Factory-Built Housing Law.
- 1.8.4 Permits, Fees, Applications and Inspections.
- 1.8.4.1 Permits.
- 1.8.4.2 Fees.
- 1.8.4.3 Plan Review and Time Limitations.
- 1.8.4.3.1 Retention of Plans.
- 1.8.4.4 Inspections.
- 1.8.5 Right of Entry for Enforcement.
- 1.8.5.1 General.
- 1.8.6 Local Modification by Ordinance or Regulation.
- 1.8.6.1 General.
- 1.8.6.2 Findings, Filings, and Rejections of Local Modifications.
- 1.8.7 Alternate Materials, Designs, Tests and Methods of Construction.
- 1.8.7.1 General.
- 1.8.7.2 Local Building Departments.

- 1.8.7.2.1 Approval of Alternates.
- 1.8.7.3 Department of Housing and Community Development.
- 1.8.8 Appeals Board.
 - 1.8.8.1 General.
 - 1.8.8.2 Definitions.
 - 1.8.8.3 Appeals.
- 1.8.9 Unsafe Buildings or Structures.
 - 1.8.9.1 Authority to Enforce.
 - 1.8.9.2 Actions and Proceedings.
- 1.8.10 Other Building Regulations.
 - 1.8.10.1 Existing Structures.
 - 1.8.10.2 Moved Structures.

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial corrections. There is no intended change in regulatory effect.

33. CHAPTER 2 DEFINITIONS

HCD proposes to bring forward the following existing California amendments contained in Chapter 2 from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code as follows:

- | | |
|---|-----|
| 203.0 | -A- |
| Approved Testing Agency. Authority Having Jurisdiction. | |
| 204.0 | -B- |
| Building. (Exceptions 1-5) | |
| 205.0 | -C- |
| Covered Multifamily Dwelling | |
| 206.0 | -D- |
| Department. Department Having Jurisdiction | |
| 207.0 | -E- |
| Enforcing Agency. | |
| 214.0 | -L- |
| Labeled. Lavatory. Limited-Density Owner-Built Rural Dwelling. Listed. Listing Agency. Low VOC Cement Low VOC One-Step Cement Low VOC Primer | |
| 216.0 | -N- |
| Nonwater Supplied Urinal. Nuisance. | |

222.0 -T-

Testing Agency.

223.0 -U-
UPC.

225.0 -W-

Water Closet.

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial corrections, including deleting inappropriate references to HCD 2. There is no intended change in regulatory effect.

**34. CHAPTER 3
GENERAL REGULATIONS**

301.2 Alternate Materials and Methods of Construction Equivalency.

301.5 One- and Two-Family Dwellings.

303.1 General. (Exception only)

304.0 Connections to Plumbing System Required. (Exception only)

304.1 General.

312.7 Fire-Resistant Construction.

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial corrections. There is no intended change in regulatory effect.

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

403.2.1 Water Closets on or after July 1, 2011.

403.2.1.1 Performance.

415.0 Drinking Fountains.

415.1 Application.

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial corrections.

**36. CHAPTER 5
WATER HEATERS**

507.2 Seismic Provisions.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with an editorial renumbering. There is no intended change in regulatory effect. The seismic zones were removed in an earlier rulemaking due to conflict with State Law which requires all water heaters in all parts of the state to be equipped with bracing or strapping. There is no intended change in regulatory effect.

**37. CHAPTER 6
WATER SUPPLY AND DISTRIBUTION**

601.1 General.

601.2.2 Color and Information.

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code. There is no intended change in regulatory effect.

603.5.11 Nonpotable Water Piping.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with an editorial renumbering. There is no intended change in regulatory effect.

604.1.1 Local Authority to Approve CPVC Pipe Within Residential Buildings Under Specified Conditions.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with an editorial renumbering reflecting a newer version of the standard. There is no intended change in regulatory effect.

604.1.2 PEX.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with an editorial renumbering reflecting a newer version of the standard. There is no intended change in regulatory effect.

604.13 Water Heater Connectors.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code with amendment. The amendment is brought forward from Section 604.13.2 of the 2010 California Plumbing Code as a result of the 2012 Uniform Plumbing Code reformatting which moved the requirements for water heater connectors into Section 604.13. There is no intended change in regulatory effect.

605.11 PEX-AL-PEX Plastic Tubing and Joints.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code with amendment. The amendment is brought forward from Section 604.13 of the 2010 California Plumbing Code as a result of the 2012 Uniform Plumbing Code reformatting which moved the requirements for PEX into Sections 605.10 and 605.11. There is no intended change in regulatory effect.

605.13.2 Solvent Cement Joints.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code with amendment. The amendment, which addresses low VOC cement for PVC, is brought forward from Section 316.1.6 of the 2010 California Plumbing Code and relocated to Section 605.13.2. There is no intended change in regulatory effect.

605.16 Dielectric Unions.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code with amendment. The amendment, which addresses the need for dielectric unions when connecting piping of dissimilar metals, is brought forward from Section 316.2.4 of the 2010 California Plumbing Code and relocated to Section 605.16. There is no intended change in regulatory effect.

609.10 Water Hammer.

Rationale: HCD proposes to continue to not adopt the above referenced section from the Uniform Plumbing Code. There is no intended change in regulatory effect.

TABLE 604.1 MATERIALS FOR BUILDING SUPPLY AND WATER DISTRIBUTION WATER PIPING.

Rationale: HCD proposes to adopt the above referenced Table from the 2012 Uniform Plumbing Code and carry forward an existing amendment from Table 6-4 of the 2010 California Plumbing Code. Table 6-4 of the 2010 CPC contained footnote 4 regarding PEX-AL-PEX. HCD proposes to bring forward this amendment to Table 604.1 and re-designate the amendment as footnote 2. There is no intended change in regulatory effect.

TABLE 610.3 WATER SUPPLY FIXTURE UNITS (WSFU) AND MINIMUM FIXTURE BRANCH PIPE SIZES.

Rationale: HCD proposes to adopt the above referenced Table from the 2012 Uniform Plumbing Code and carry forward an existing amendment from Table 6-5 of the 2010 California Plumbing Code. Table 6-5 of the 2010 CPC contained footnote 9, which is proposed to be carried forward with no change in regulatory effect.

**38. CHAPTER 7
SANITARY DRAINAGE**

**701.1 (2)(A) Drainage Piping.
TABLE 702.1 DRAINAGE FIXTURE UNIT VALUES (DFU)**

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial renumbering. There is no intended change in regulatory effect.

705.10.4 Transition Joint.

Rationale: HCD proposes to adopt the above referenced section from the 2012 Uniform Plumbing Code for adoption into the 2013 California Plumbing Code with amendment. The amendment, which addresses low VOC cement for transition joints between ABS and PVC, is brought forward from Section 316.1.6 exception (2) of the 2010 California Plumbing Code and relocated to Sections 705.10.4 and 605.13.2. There is no intended change in regulatory effect.

713.4 Public Sewer Availability.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code. There is no intended change in regulatory effect.

**39. CHAPTER 9
VENTS**

**903.1.1.
903.1.2.**

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial renumbering. There is no intended change in regulatory effect.

**40. CHAPTER 10
TRAPS AND INTERCEPTORS**

1003.1 General Requirements. (Exception 2)

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with an editorial renumbering. There is no intended change in regulatory effect.

**41. CHAPTER 11
STORM DRAINAGE**

1101.3 Material Uses.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code. There is no intended change in regulatory effect.

1101.5. Subsoil Drains.

1102.1.1 Inside of Conductors.

Rationale: HCD proposes to bring forward the above referenced California amendments from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial corrections. There is no intended change in regulatory effect.

**42. APPENDIX I
INSTALLATION STANDARDS**

IAPMO IS 5-2006.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code. There is no intended change in regulatory effect.

IAPMO IS 20-2010.

Rationale: HCD proposes to bring forward the above referenced California amendment from the 2010 California Plumbing Code for adoption into the 2013 California Plumbing Code with editorial corrections to update to the current version of the standard. There is no intended change in regulatory effect.

BENEFITS ANTICIPATED FROM THE PROPOSED REGULATORY ACTION

(Government Code Section 11346.2(b)(1) requires an enumeration of the benefits anticipated from the proposed regulatory action, including the benefits or goals provided in the authorizing statute.)

- Updated and improved minimum standards for plumbing systems
- Protection of public health and safety, worker safety and the environment
- General welfare of California residents

ECONOMIC IMPACT ASSESSMENT REPORT RELIED UPON

(Government Code Section 11346.3(b) requires preparation of an Economic Impact Assessment upon which the agency relies in proposing the regulation (s).)

- Economic Impact Assessment for the Adoption by Reference of the 2012 edition of the Uniform Plumbing Code with Proposed Amendments into the 2013 California Plumbing Code.

TECHNICAL, THEORETICAL, AND EMPIRICAL STUDY, REPORT, OR SIMILAR DOCUMENTS

(Government Code Section 11346.2(b)(3) requires an identification of each technical, theoretical, and empirical study, report, or similar document, if any, upon which the agency relies in proposing the regulation(s).)

None.

STATEMENT OF JUSTIFICATION FOR PRESCRIPTIVE STANDARDS

(Government Code Section 11346.2(b)(4) requires a statement of the reasons why an agency believes any mandates for specific technologies or equipment or prescriptive standards are required.)

HCD is statutorily required to adopt by reference model building codes, which contain prescriptive standards. Prescriptive standards provide the following: explicit guidance for certain mandated requirements; consistent application and enforcement of building standards while also establishing clear design parameters; and ensure compliance with minimum health, safety and welfare standards for owners, occupants and guests.

Performance standards are permitted by state law; however, they must be demonstrated to the satisfaction of the proper enforcing agency.

CONSIDERATION OF REASONABLE ALTERNATIVES

(Government Code Section 11346.2(b)(5)(A) requires a description of reasonable alternatives to the regulation and the agency's reason for rejecting those alternatives. In the case of a regulation that would mandate the use of specific technologies or equipment or prescribe specific action or procedures, the imposition of performance standards shall be considered an alternative. It is not the intent of this paragraph to require the agency to artificially construct alternatives or describe unreasonable alternatives.)

None. There were no alternatives available to HCD. HCD is required by statute to adopt this model code by reference.

REASONABLE ALTERNATIVES THE AGENCY HAS IDENTIFIED THAT WOULD LESSEN ANY ADVERSE IMPACT ON SMALL BUSINESS

(Government Code Section 11346.2(b)(5)(B) requires a description of any reasonable alternatives that have been identified or that have otherwise been identified and brought to the attention of the agency that would lessen any adverse impact on small business.)

None. There were no alternatives available to HCD. HCD is required by statute to adopt this model code by reference.

FACTS, EVIDENCE, DOCUMENTS, TESTIMONY, OR OTHER EVIDENCE OF NO SIGNIFICANT ADVERSE ECONOMIC IMPACT ON BUSINESS

(Government Code Section 11346.2(b)(6) requires the facts, evidence, documents, testimony, or other evidence on which the agency relies to support an initial determination that the action will not have a significant adverse economic impact on business.)

HCD has determined that this regulatory action would have no significant adverse economic impact on California business enterprises and individuals, including the ability of California businesses to compete with businesses in other states.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

(Government Code Section 11346.2(b)(7) requires a department, board, or commission within the Environmental Protection Agency, the Resources Agency, or the Office of the State Fire Marshal to describe its efforts, in connection with a proposed rulemaking action, to avoid unnecessary duplication or conflicts with federal regulations contained in the Code of Federal Regulations addressing the same issues. These agencies may adopt regulations different from these federal regulations upon a finding of one or more of the following justifications: (A) The differing state regulations are authorized by law and/or (B) The cost of differing state regulations is justified by the benefit to human health, public safety, public welfare, or the environment.)

These regulations do not duplicate nor conflict with federal regulations.