

**INITIAL STATEMENT OF REASONS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT  
REGARDING THE 2016 CALIFORNIA PLUMBING CODE  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5  
  
(HCD XX/XX)**

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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:

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**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 2015 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 2015 Triennial Code Adoption Cycle.

The specific purpose of these regulations is to adopt by reference the 2015 Uniform Plumbing Code (UPC), with California amendments, into the 2016 California Plumbing Code (CPC) Title 24, Part 5, California Code Regulations (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 2015 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 2015 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 2016 California Plumbing Code is consistent with state law and unique California conditions.

**It is necessary to propose the adoption** of some sections of the 2015 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 2015 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 2013 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 2013 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 2015 edition of the Uniform Plumbing Code with amendments into the 2016 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.

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### **1. CHAPTER 1 ADMINISTRATION DIVISION I CALIFORNIA ADMINISTRATION**

HCD proposes to bring forward existing California amendments in Chapter 1, Division I, California Administration, from the 2013 California Plumbing Code for adoption into the 2016 California Plumbing Code with modifications as follows:

#### **1.1.0 General.**

##### **1.1.1 Title.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification of Section 1.1.1 updates the reference to the Uniform Plumbing Code from the 2012 Uniform Plumbing Code to the 2015 Uniform Plumbing Code.

##### **1.1.2 Purpose.**

##### **1.1.3 Scope.**

##### **1.1.3.1 Non-state-Regulated Buildings, Structures, and Applications.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

##### **1.1.3.2 State-Regulated Buildings, Structures, and Applications.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification changes the term “apartment houses” to “apartments” in item # 7. This modification is also being proposed in other parts of Title 24 during this rulemaking and is necessary for consistency. The proposed modification also changes the term “common-use spaces” to “new common-use areas” in item # 8. HCD is also proposing editorial modifications related to capitalization of defined terms and other changes for consistency with the language in Chapter 11A, modified during the 2013 Intervening Code Adoption Cycle. There is no intended change in regulatory effect.

- 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.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

#### 1.1.8.1 **Findings and Filings.**

**Rationale:** HCD proposes bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with nonsubstantive editorial modification. The modification provides the code user with the correct address where the HCD headquarters is now located.

#### 1.1.9 **Effective Date of this Code.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

#### 1.1.10 **Availability of Codes.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with nonsubstantive editorial modification. The modification provides the code user with the correct reference to the Health and Safety Code, Section 18942 (e) (1) and (2). The proposed modification is necessary due to the changes and renumbering in the Health and Safety Code. There is no intended change in regulatory effect.

#### 1.1.11 **Format.**

#### 1.1.12 **Validity.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

### 1.8.0 **Department of Housing and Community Development (HCD).**

#### 1.8.1 **Purpose.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

#### 1.8.2 **Authority and Abbreviations.**

##### 1.8.2.1 **General.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

##### 1.8.2.1.1 **Housing Construction.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the term “apartment houses” to “apartments” to be consistent with the use of the term in the California Building Code. The term “apartment house” is not used in the International Building Code or the California Building Code. The terms currently used are “apartment” or “apartments”. This proposed modification is consistent with modifications proposed in other parts of Title 24 during this rulemaking and are necessary for consistency. There is no intended change in regulatory effect.

##### 1.8.2.1.2 **Housing Accessibility.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modifications include; editorial modifications related to capitalization of defined terms; changes the California Building Code references from “Chapter 11A” to “Chapter 2”, as the defined terms in the CBC were relocated to Chapter 2 in prior rulemaking. HCD also proposes to change the term “apartment houses” to “apartments” and add the term “public housing” for consistency with the California Building Code. The term “apartment house” is not used in the International Building Code or the California Building Code. The terms currently used are “apartment”, “apartments” and/or “condominiums”. HCD also proposes to add additional language regarding “newly constructed covered multifamily dwellings” which are also “public housing” for consistency with the California Building Code. These modifications are also being proposed in other parts of Title 24 during this rulemaking and are necessary for consistency. There is no intended change in regulatory effect.

#### **1.8.2.1.3 Permanent Buildings in Mobilehome Parks and Special Occupancy Parks.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

### **1.8.3 Local Enforcing Agency.**

#### **1.8.3.1 Duties and Powers.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to replace the term “apartment houses” to “apartments” and add “condominiums” to the list to be consistent with the California Building Code. The term “apartment house” is not used in the International Building Code or the California Building Code. The terms currently used are “apartment”, “apartments” and/or “condominiums”. There is no intended change in regulatory effect.

#### **1.8.3.2 Laws, Rules, and Regulations.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

##### **1.8.3.2.1 State Housing Law.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to replace the term “apartment houses” to “apartments” and add “condominiums” to the list to be consistent with the California Building Code. The term “apartment house” is not used in the International Building Code or the California Building Code. The terms currently used are “apartment”, “apartments” and/or “condominiums”. There is no intended change in regulatory effect.

##### **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.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

### **1.8.4 Permits, Fees, Applications and Inspections.**

#### **1.8.4.1 Permits.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to provide the correct reference to the model code section referenced. There is no intended change in regulatory effect.

#### **1.8.4.2 Fees.**

#### **1.8.4.3 Plan Review and Time Limitations.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

##### **1.8.4.3.1 Retention of Plans.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification to provide the correct reference to the definition of “common interest development” in the Civil Code. The proposed modification is necessary due to the changes and renumbering in the Civil Code. There is no intended change in regulatory effect.

#### **1.8.4.4 Inspections.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

### **1.8.5 Right of Entry for Enforcement.**

#### **1.8.5.1 General.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

### **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.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

#### **1.8.7 Alternate Materials, Designs, Tests and Methods of Construction.**

##### **1.8.7.1 General.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

##### **1.8.7.2 Local Building Departments.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the term “apartment house” to “apartments”, add “condominiums”, and change other terms to plural for consistency with the California Building Code. The term “apartment house” is not used in the International Building Code or the California Building Code. The terms currently used are “apartment”, “apartments” and/or “condominiums”. There is no intended change in regulatory effect.

##### **1.8.7.2.1 Approval of Alternates.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to make editorial changes related to capitalization of defined terms; change references to the location of defined terms from “Chapter 11A” to “Chapter 2”, as the model code format has changed, relocating all defined terms to Chapter 2. These modifications are also being proposed in other parts of Title 24 during this rulemaking and are necessary for consistency. There is no intended change in regulatory effect.

##### **1.8.7.3 Department of Housing and Community Development.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to replace the term “apartment houses” to “apartments” and add “condominiums” to the list to be consistent with the California Building Code. The term “apartment house” is not used in the International Building Code or the California Building Code. The terms currently used are “apartment”, “apartments” and/or “condominiums”. HCD also proposes to change the types of dwellings listed from singular to plural for consistency with other sections of Chapter 1, Division 1 and other parts of Title 24. There is no intended change in regulatory effect.

#### **1.8.8 Appeals Board.**

##### **1.8.8.1 General.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to add “construction” to the text addressing the authority of local jurisdictions to hear appeals. The proposed amendment provides clarity to the code user and consistency with the Health and Safety Code Section 17920.6 and Section 1.8.8.2 of this code. There is no intended change in regulatory effect.

##### **1.8.8.2 Definitions.**

##### **1.8.8.3 Appeals.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

#### **1.8.9 Unsafe Buildings or Structures.**

##### **1.8.9.1 Authority to Enforce.**

##### **1.8.9.2 Actions and Proceedings.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

#### **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 existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification recognizes and incorporates reference to the California Existing Building Code for existing structures and clarifies statutory references and provides consistency with other codes. There is no intended change in regulatory effect.

2. CHAPTER 1  
DIVISION II  
ADMINISTRATION

**104.2 (Formerly 103.1.1) Exempt Work.**

**Rationale:** HCD proposes to adopt Chapter 1 Administration, Section 104.2 (Items 1 and 2 only) from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code Chapter 1, Division II, Administration without amendment. There is no intended change in regulatory effect.

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3. CHAPTER 2  
DEFINITIONS

HCD proposes to adopt Chapter 2 from the 2015 Uniform Plumbing Code with new amendments and bring forward the following existing California amendments from the 2013 California Plumbing Code for adoption into the 2016 California Plumbing Code as follows:

**203.0 -A-**

**Alternate Water Source**

**Rationale:** HCD proposes to adopt the above referenced "Alternate Water Source". In the definition of alternate water resource the term "on-site treated nonpotable water" has been changed to "on-site treated nonpotable gray water" for clarity and consistency in Chapter 15.

**Approved  
Approved Testing Agency  
Authority Having Jurisdiction**

**204.0 -B-**

**Building. (Exceptions 1-5)**

**205.0 -C-**

***Clothes Washer System  
Complex System  
Covered Multifamily Dwellings***

**206.0 -D-**

***Department  
Department Having Jurisdiction  
Disposal Field***

**207.0 -E-**

***Enforcing Agency***

**209.0 -G-**

***Graywater  
Gray Water System***

**211.0 -I-**

***Irrigation Field***

**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**

215.0 -M-

**Mulch Basin**

216.0 -N-

**Nonwater Supplied Urinal**  
**Nuisance**

217.0 -O-

**On-Site Treated Nonpotable Water**

220.0 -R-

**Rainwater**  
**Rainwater Catchment System**

**Receiving Landscape**  
**Reclaimed (Recycled) Water**

221.0 -S-

**Simple System**

222.0 -T-

**Testing Agency**  
**Treated Gray Water**

223.0 -U-

**UPC**

225.0 -W-

**Water Closet**

**Rationale:** HCD proposes to adopt Chapter 2 from the 2015 Uniform Plumbing Code with new amendments and bring forward the above existing California amendments from the 2013 California Plumbing Code for adoption into the 2016 California Plumbing Code.

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#### 4. CHAPTER 2 DEFINITIONS

HCD proposes to delete and **not** adopt the following Chapter 2 definitions from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code.

##### **Gray Water**

**Rationale:** HCD proposes to **not** adopt the model code definition of “Gray Water” from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code. California Law defines graywater specifically in Section 17922.9 of the Health and Safety Code.

##### **Mulch Basin.**

**Rationale:** HCD proposes to **not** adopt the model code definition for “Mulch Basin” from the 2015 Uniform Plumbing Code, and continue adoption of the referenced California amendment from the 2013 California Plumbing Code.

**On-Site Treated Nonpotable Water.**

**Rationale:** HCD proposes to not adopt the model code definition of “On-Site Treated Nonpotable Water” from the 2015 Uniform Plumbing Code. HCD proposes to adopt the California amendment definition from the 2013 CPC into the 2016 California Plumbing Code. This definition is modified from code language found in the 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.

**Rainwater.**

**Rationale:** HCD proposes to continue to not adopt the model code definition of “Rainwater” from the 2015 Uniform Plumbing Code, and adopt the California amendment from the 2013 California Plumbing Code. This definition is contained in Assembly Bill 1750 (Chapter 537/2012), The Rainwater Capture Act of 2012 and identifies the collection surfaces which are suitable for collection of rainwater for use.

**Rainwater Catchment System.**

**Rationale:** HCD proposes to continue to not adopt the model code definition of “Rainwater Catchment System” from the 2015 Uniform Plumbing Code and adopt the California amendment from the 2013 California Plumbing Code. This definition is based on a definition contained in Assembly Bill 1750 (Chapter 537/2012), The Rainwater Capture Act of 2012 which also defines other commonly used terms.

**Reclaimed Water.**

**Rationale:** HCD proposes to continue to not adopt the model code definition of “Reclaimed Water” from the 2015 Uniform Plumbing Code and adopt the California amendment into the 2016 California Plumbing Code.

**Single-Family Dwelling.**

**Rationale:** HCD proposes to not adopt the above referenced definition from the 2015 Uniform Plumbing Code. This definition conflicts with HCD’s definition of “Detached Single-Family Dwelling” contained in the California Building Code.

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**5. CHAPTER 3  
GENERAL REGULATIONS**

HCD proposes to adopt Chapter 3 from the 2015 Uniform Plumbing Code, (except Sections 301.3.1, 301.3.1.1 and 301.3.1.2), from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**301.3 (Formerly 301.2) Alternate Materials and Methods of Construction Equivalency.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

**301.4.1 Coastal High Hazard Areas.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with modification. The proposed modification changes the reference from “the building code” to “the California Building Code” and add the term “California Residential Code” to provide consistency and clarity to the code user. There is no intended change in regulatory effect.

**301.6 (Formerly 301.5) One- and Two-Family Dwellings.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

**303.1 General.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**304.1 General.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

### **312.2 Installation.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code with amendment. The proposed amendment changes the term “building code” to the term “California Building Code” and adds the term “California Residential Code” to provide consistency and clarity to the code user. There is no intended change in regulatory effect.

### **312.7 Fire-Resistant Construction.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The existing California amendment in the 2013 CPC deletes reference to Chapter 15, “Firestop Protection”, however due to model code reformatting; the existing California amendment is modified to reflect the 2015 UPC location of “Firestop Protection” which is Chapter 14. The proposed modification changes the reference from the “building code” to “California Building Code” and adds the term “California Residential Code” to provide consistency and clarity to the code user. There is no intended change in regulatory effect from the 2013 CPC.

### **312.11 Structural Members.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with modification. The proposed modification changes the reference from the “building code” to “California Building Code” and adds the term “California Residential Code” to provide consistency and clarity to the code user. There is no intended change in regulatory effect.

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## **6. CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS**

HCD proposes to adopt Chapter 4 (except Sections 411.2.2, 422.2, 422.4, and 422.5) from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

### ***401.3 Water-Conserving Fixtures and Fittings. (Formerly 403.0)***

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification removes the 2014 effective date as the proposed effective date. The 2016 California Plumbing Code takes effect after the 2014 effective date, therefore the date is no longer necessary. HCD also proposes to provide the correct reference for the definition of noncompliant plumbing fixture in the Civil Code – which is Section 1101.3. The proposed modification is necessary due to the changes and renumbering in the Civil Code. There is no intended change in regulatory effect.

### **403.1 General (Formerly 402.7 Accessible Plumbing Facilities).**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification is to repeal the reference to “California Code of Regulations” and replace this reference with the term “California Building Code” for clarity and consistency. There is no intended change in regulatory effect.

### **403.2 General (Formerly 421.1 Fixtures and Fixture Fittings for Persons with Disabilities).**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The existing amendment deletes the reference to ICC A117.1 and adds reference to California Code of Regulations, Title 24, Part 2. HCD’s proposed modification repeals this reference to the term “California Code of Regulations” and changes this reference to the term “California Building Code” for clarity and consistency. HCD also proposes to repeal California amendment referencing Table 1401.1 since this reference is no longer used in the model code. There is no intended change in regulatory effect.

### **407.2.1 Maximum Flow Rate.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code with amendment. HCD proposes to delete the language referring to flow rates for private lavatory faucets. HCD proposes (in separate subsections) to bring forward existing amendments from the 2013 CPC which addresses kitchen and lavatory faucets. There is no intended change in regulatory effect.

### ***407.2.1.1 (Formerly 403.6) Kitchen Faucets.***

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification deletes the text

“On or after January 1, 2016” which was adopted as an emergency for the 2013 California Plumbing Code to align with the Title 20 Appliance Efficiency Regulations adopted by the California Energy Commission. This amendment is no longer required as the effective date of this code is January 1, 2017. HCD proposes an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

#### **407.2.1.2 (Formerly 403.7) Residential Lavatory Faucets.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification deletes the text “On or after January 1, 2016” which was adopted as an emergency for the 2013 California Plumbing Code to align with the Title 20 Appliance Efficiency Regulations adopted by the California Energy Commission. This amendment is no longer required as the effective date of this code is January 1, 2017. HCD proposes an editorial renumbering of the section number due to model code reformatting. There is no change in regulatory effect.

#### **407.2.1.3 (Formerly 403.8) Lavatory Faucets in Common and Public Use Areas.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

#### **408.2 Water Consumption.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

#### **408.5 Finished Curb or Threshold.**

**Rationale:** HCD proposes to adopt the above referenced section with a new amendment and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes in the new amendments to: delete model code text referencing “building, residential, and electrical codes” and add “California Building, Residential, and Electrical Codes”; repeal the model code language referencing Table 1701.1, and add the term “Chapter 11A of the California Building Code,” to provide clarity and consistency to the code user. HCD also proposes to repeal the existing amendment text “California Code of Regulations, Title 24, Part 2” and simply reference “the California Building Code”; and also to repeal the reference to Table 1701.1. This reference does not contain the correct accessibility standards for use in California. California Building Code, Chapter 11A contains the correct accessibility requirements. These changes are necessary for consistency with other changes proposed during this rulemaking. There is no intended change in regulatory effect.

#### **408.6 Shower Compartments.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification is to repeal the language that references ICC A117.1. This reference does not contain the correct accessibility standards for use in California. California Building Code, Chapter 11A contains the correct accessibility requirements. HCD also proposes to change the reference from the term “California Code of Regulations, Title 24, Part 2” to “Chapter 11A of the California Building Code.” This change is necessary for consistency with other changes to similar references during this rulemaking. There is no intended change in regulatory effect.

#### **411.2 Water Consumption. (Formerly 403.2.1 Water Closets on or after July 1, 2011)**

**Rationale:** HCD proposes to adopt the above referenced section with new California amendments. The proposed amendments are brought forward from existing California amendments in the 2013 California Plumbing Code and the 2013 CALGreen Code, and are proposed to be incorporated into this section for clarity. The limitation for toilets to not exceed 1.28 gallons per flush was formerly located in Section 403.2.1 of the 2013 CPC. The limitation for toilets to not exceed 1.28 gallons per flush was also adopted as a Title 20 regulation on April 8, 2015 by the California Energy Commission based upon Executive Order B-29-15 issued on April 1, 2015. There is no intended change in regulatory effect.

#### **411.2.1.2 (Formerly 403.2.1.1) Performance.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification repeals the outdated date of 2011 regarding when water closets are installed. The proposed effective date of the 2016 California Plumbing Code takes affect after the adoption, therefore the date is no longer necessary. There is no intended change in regulatory effect.

#### **412.1 (Formerly 403.3 Urinals) Application.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification deletes the effective date of January 1, 2016 as the effective date of this code is January 1, 2017. HCD also proposes an editorial renumbering of the section number due to model code reformatting. There is no change in regulatory effect.

#### **412.1.1 (Formerly 403.3.1) Nonwater Urinals.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

#### **415.0 Drinking Fountains.**

##### **415.1 Application.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

#### **422.1 Fixture Count.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with amendment. The proposed amendment changes the reference from the term "building code" to "California Building Code" to provide consistency and clarity to the code user. There is no intended change in regulatory effect.

#### **TABLE 422.1 MINIMUM PLUMBING FACILITIES**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the references from the term "California Code of Regulations, Title 24, Part 2" to "Chapter 11A of the "California Building Code." HCD also proposes to renumber the existing amendment (footnote 4) to footnote 7 due to model code renumbering of the footnotes. HCD also proposes to modify the referenced section from "301.2" to "301.3" due to model code reformatting. HCD also proposes to make an editorial change and remove the "s" on designs. There is no intended change in regulatory effect.

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## **7. CHAPTER 4 PLUMBING FIXTURES AND FIXTURE FITTINGS**

HCD proposes to repeal existing California amendments from Chapter 4 of the 2013 California Plumbing Code and not bring forward these existing California amendments into the 2016 California Plumbing Code as follows:

#### **403.2.1 Water Closets on or after July 1, 2011 (HCD 1 & HCD 2)**

**Rationale:** HCD proposes to repeal the above referenced existing California amendment. The 2015 Uniform Plumbing Code adequately addresses water closets, flushometers and their performance, therefore, the California amendments are no longer necessary.

#### **403.3.1.1 Nonwater Urinal Drainage Connections.**

**Rationale:** HCD proposes to repeal the above referenced existing California amendment and not bring the amendment forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code Section 412.1.1 "Nonwater Urinals", adequately addresses the provisions included in this amendment, therefore, the amendment is no longer necessary.

#### **403.4 Metered Faucets.**

**Rationale:** HCD proposes to repeal the above referenced existing California amendment and not bring the amendment forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code Section 407.2.2 "Metering Faucets" and 407.4 "Transient Public Lavatories" adequately addresses the provisions included in this amendment, therefore, the amendment is no longer necessary.

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**8. CHAPTER 5  
WATER HEATERS**

HCD proposes to adopt Chapter 5 from the 2015 Uniform Plumbing Code and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**507.2 Seismic Provisions.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification.

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

HCD proposes to adopt Chapter 6 (except Section 609.10) from the 2015 Uniform Plumbing Code with new amendments and bring forward existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**601.2 Hot and Cold Water Required. (Formerly 601.1 General)** (exceptions 1, 2, 3, and 4)

**Rationale:** HCD proposes to adopt the above referenced section and bring forward existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modifications. HCD proposes to delete exception 3 as it restates the model code general exception regarding safety and sanitation. HCD also proposes to renumber exception 4, and add text regarding on-site treated nonpotable gray water for consistency with California amendments in Chapter 15. There is no intended change in regulatory effect.

**601.3.2 (Formerly 601.2.2) Color and Information.**

**Rationale:** HCD proposes to adopt the above referenced sections and bring forward existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code. There is no intended change in regulatory effect.

**Figure 601 INTERNATIONAL SYMBOL**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**603.5.11 Nonpotable Water Piping.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**TABLE 604.1 MATERIALS FOR BUILDING SUPPLY AND WATER DISTRIBUTION WATER PIPING AND FITTINGS**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward existing California amendments (footnotes) from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to modify and update the year for the existing reference standard. 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 existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification changes the references to the IAPMO Installation Standards which are no longer published in the 2015 Uniform Plumbing Code. Pursuant to the EIR directive for the use of CPVC Solvent Cement Hot and Cold Water Distribution Systems, all installations of CPVC pipe within residential structures are required to meet an installation standard. HCD proposes to relocate the relevant provisions for flushing and worker safety from the existing California amendment of the Installation Standard (IAPMO IS-20-2010) into the body of the code in this section with nonsubstantive editorial modifications and renumbering for clarity. HCD proposes to remove the references to sections of Appendix I and the Installation standard (IAPMO IS-20-2010) and provide an additional reference to manufacturer's installation instructions. There is no intended change in regulatory effect.

**604.1.2 PEX.**

**Rationale:** HCD proposes to bring forward the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**604.13 Water Heater Connectors.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**605.2.2 (Formerly 605.4.2) Solvent Cement Joints.**

**605.10 (Formerly 605.11) PEX-AL-PEX Plastic Tubing and Joints.**

**605.12.2 (Formerly 605.13.2) Solvent Cement Joints.**

**605.15 (Formerly 605.16) Dielectric Unions.**

**Rationale:** HCD proposes to adopt the above referenced sections bring forward existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**607.1 General.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with modification. The proposed modification changes the reference term from “the building code” to “California Building Code” to provide consistency and clarity to the code user. 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 2015 Uniform Plumbing Code. 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 and bring forward an existing California amendment from Table 610.3 of the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

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

HCD proposes to repeal an existing California amendment from Chapter 6 from the 2013 California Plumbing Code and not bring forward the existing California amendment into the 2016 California Plumbing Code as follows:

**604.11 Lead Content.**

**Rationale:** HCD proposes to repeal the California amendment from the above referenced section and not bring forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code Section 604.2 “Lead Content”, adequately addresses the provisions included in this amendment and meets the HSC 116875, therefore, the amendment is no longer necessary.

**11. CHAPTER 7  
SANITARY DRAINAGE**

HCD proposes to adopt Chapter 7 from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**701.2 (Formerly 701.1) Drainage Piping.**

**Rationale:** HCD proposes to adopt the above referenced section with a new amendment and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The existing amendment from the 2013 CPC proposed for modification deleted the text “Chapter 15, Firestop Protection” which is not adopted in California. The 2015 model code has relocated the chapter for Firestop Protection to Chapter 14. Due to this model code reformatting HCD proposes to continue to delete the text referencing Firestop Protection. Additionally, HCD proposes a new amendment to this section to change the reference to “this code” (California Plumbing Code) and the “California Building Code” for the installation and protection of piping. There is no intended change in regulatory effect.

**TABLE 702.1 DRAINAGE FIXTURE UNIT VALUES (DFU)**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward an existing California amendment in the footnotes from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**705.1.2 Solvent Cement Joints.**

**705.5.2 Solvent Cement Joints.**

**Rationale:** HCD proposes to adopt the above referenced sections from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code with new amendments regarding the use of low VOC primer and cement. This new amendment is proposed for consistency and clarity of the code user. There is no intended change in regulatory effect.

**705.8.4 (Formerly 705.10.4) Transition Joint.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification deletes the word “solvent” from the defined term, as the defined term does not use the word “solvent”. There is no intended change in regulatory effect.

**710.3.1**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification corrects a decimal measurement for accuracy and consistency. There is no intended change in regulatory effect.

**713.4 Public Sewer Availability.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

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**12. CHAPTER 8  
INDIRECT WASTES**

HCD proposes to adopt Chapter 8 from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without amendment.

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**13. CHAPTER 9  
VENTS**

HCD proposes to adopt Chapter 9 from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**903.1 Applicable Standards.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to delete the text “Chapter 14, Firestop Protection” which is not adopted in California. Additionally, HCD proposes a new amendment to this section to change the reference to “this code” (California Plumbing Code) and the “California Building Code” for the installation and protection of piping. There is no intended change in regulatory effect.

**903.1.1.**

**903.1.2.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

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**14. CHAPTER 10  
TRAPS AND INTERCEPTORS**

HCD proposes to adopt Chapter 10 from the 2015 Uniform Plumbing Code with a new amendment and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**1003.1 General Requirements.** (Exception 2)

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the reference from Table 1401.1 to 1701.1 due to an editorial renumbering of the model code. There is no intended change in regulatory effect.

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**15. CHAPTER 11  
STORM DRAINAGE**

HCD proposes to adopt Chapter 11 from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**1101.4 (Formerly 1101.3) Material Uses.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The existing California amendment in the 2013 CPC deletes reference to Chapter 15, "Firestop Protection", which was not adopted by HCD. However, due to model code reformatting; the existing California amendment is modified to reflect the 2015 UPC location of "Firestop Protection" which is Chapter 14, and is also not being proposed for adoption. HCD also proposes to change the reference to Chapter 14 "Firestop Protection" to "this code" (California Plumbing Code) and the "California Building Code". Additionally, HCD proposes to bring forward an existing California amendment from the 2013 California Plumbing Code, Section 1101.3.1 into the this section without modification except for editorial change to delete the section number due to model code reformatting. There is no intended change in regulatory effect.

**1101.4.2.1 (Formerly 1102.1.2)**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

**1101.6 (Formerly 1101.5) Subsoil Drains.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

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**16. CHAPTER 12  
FUEL GAS PIPING**

HCD proposes to adopt Chapter 12 from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without amendment.

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

HCD proposes to not adopt Chapter 13 from the 2015 Uniform Plumbing Code.

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**18. CHAPTER 14  
FIRESTOP PROTECTION**

HCD proposes to not adopt Chapter 14 from the 2015 Uniform Plumbing Code.

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**19. CHAPTER 15 (Formerly Chapter 16)  
ALTERNATE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

HCD proposes to adopt Chapter 15 from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

**Intent**

HCD proposes to bring forward the existing statement of "Intent" from Chapter 16 of the 2013 CPC as an amendment at the beginning of this chapter immediately below the chapter heading. This statement of "Intent" informs the user of the goals and intention of the regulations. The purpose is to preserve health and safety of Californians while conserving water and providing guidance on how to safely achieve water reuse using a gray water system.

**1501.1 (Formerly 1601.1) Applicability. (HCD 1)**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1501.1.1 (Formerly 1601.1.1) Allowable Use of Alternate Water.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. The provisions in Chapter 15 of the 2015 Uniform Plumbing Code provide for reclaimed and recycled water in the list of alternate water sources.

**1501.2 (Formerly 1601.2) System Design.**

**Rationale:** HCD proposes to not adopt the Model Code section language from the above referenced section and proposes to bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification changes the section number due to model code reformatting. There is no intended change in regulatory effect.

**1501.3 (Formerly 1601.3) Permit.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification changes the section number in the exception due to model code reformatting. There is no intended change in regulatory effect.

**1501.5 (Formerly 1601.5) Maintenance and Inspection.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1501.5.1 Frequency.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code.

**1501.5.2 Maintenance Log.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code.

**1501.5.1 (Formerly 1601.5.1) Maintenance Responsibility.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without modification. HCD proposes to renumber Section 1501.5.3 to 1501.5.1. There is no intended change in regulatory effect.

**1501.6 (Formerly 1601.6) Operation and Maintenance Manual.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1501.7 (Formerly 1601.7) Minimum Water Quality Requirements.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to remove the restriction for NSF/ANSI 350 and not limit onsite treated nonpotable gray water to owner

occupied dwellings. This modification is consistent with the requirements adopted by the Building Standards Commission for nonresidential buildings during the 2012 Triennial Code Adoption Cycle. HCD also proposes to make minor editorial corrections removing semi-colon and add period.

**1501.10 (Formerly 1604.11.1) Commercial, Industrial, Institutional, and Residential Restroom Signs.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**TABLE 1501.5 (Formerly TABLE 1601.5) MINIMUM ALTERNATE WATER SOURCE TESTING, INSPECTION, AND MAINTENANCE FREQUENCY.**

**Rationale:** HCD proposes to continue to not adopt the above referenced Table from the 2015 Uniform Plumbing Code. As a result of the proposed actions concerning Sections 1501.5, 1501.5.1 and 1501.5.2, the Table is no longer necessary and may conflict with the manufacturer's recommendations or local requirements.

**1501.10.1 (Formerly 1604.11.2) Equipment Room Signs.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1501.11.2 (Formerly 1604.12.2) Cross-Connection Inspection and Testing.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification is to repeal the California amendment "gray" (model code adequately addresses "gray" with alternate water source systems) and continue to repeal the requirement for annual inspection and testing, and instead require initial cross connection testing and inspection only. There is no intended change in regulatory effect.

**1502.0 Gray Water Systems.**

**1502.1 (Formerly 1602.1) General.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.1.1 (Formerly 1602.1.1) Clothes Washer System.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.1.2 (Formerly 1602.1.2) Simple System.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced section number to 1502.8 an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.1.3 (Formerly 1602.1.3) Complex System.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced section number to 1502.8 an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.2 (Formerly 1602.2.1 Discharge) System Requirements.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.2.1 (Formerly 1602.2.2) Surge Capacity.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.2.2 (Formerly 1602.2.3) Diversion.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced section number to 1502.1.1 an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.2.3 (Formerly 1602.2.4) Backwater Valves.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.3 (Formerly 1602.3) Connections to Potable and Reclaimed (Recycled) Water Systems.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.4 (Formerly 1602.4) Location.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**TABLE 1502.4 (Formerly 1602.4) LOCATION OF GRAY WATER SYSTEM.**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.5 (Formerly 1602.5) Plot Plan Submission.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced section number to 1502.1.1 an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.6 (Formerly 1602.6) Prohibited Location.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.7 (Formerly 1602.7) Drawings and Specifications.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.8 (Formerly 1602.8) Procedure for Estimating Gray Water Discharge.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.8.1 (Formerly 1602.8.1) Residential Occupancies.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.8.3 (Formerly 1602.8.3) Daily Discharge.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.9 (Formerly 1602.9) Gray Water System Components.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.9.1 (Formerly 1602.9.1) Surge Tanks.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.9.2.1 (Formerly 1602.9.3). Animals and Insects.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.9.2.2 (Formerly 1602.9.4) Freeze Protection.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.9.3 Subsoil Irrigation Field and Disposal Field Materials.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code.

**1502.9.4 Subsurface Irrigation Field and Mulch Basin Supply Line Materials.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code. The requirements for materials used for irrigation fields and mulch basins are proposed to be adopted in Section 1502.11 of this code.

**1502.9.5 Valves.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code. The requirements for valves to be in an accessible location is proposed in Section 1502.2.3.

**1502.9.6 Trap.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform 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.

**1502.9.7 Backwater Valve.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code. The requirements for a backwater valve to be installed are located in 1502.2.3.

**TABLE 1502.10 (Formerly Table 1602.10) DESIGN OF SIX TYPICAL SOILS**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.10.2 (Formerly 1602.10.2) Determination of Maximum Absorption Capacity.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.10.3 (Formerly 1602.10.3) Groundwater Level.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.11 Subsurface and Subsoil Irrigation Field, and Mulch Basin Design and Construction.****1502.11.1 Subsurface Irrigation Field.****1502.11.1.1 Minimum Depth.****1502.11.1.2 Filter.****1502.11.1.3 Emitter Size.****1502.11.1.4 Number of Emitters.****1502.11.1.5 Controls.****1502.11.1.6 Maximum Pressure.****1502.11.2 Mulch Basin.****1502.11.2.1 Single Family and Multi-Family Dwellings.**

**1502.11.2.2 Size.**

**1502.11.2.3 Minimum Depth.**

**1502.11.2.4 Maintenance.**

**1502.11.3 Subsoil Irrigation Field.**

**1502.11.3.1 Minimum Pipe Size.**

**1502.11.3.2 Filter Material and Backfill.**

**1502.11.3.3 Subsoil Irrigation Field Construction.**

**Rationale:** HCD proposes to continue to not adopt the above referenced sections from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code.

**1502.11 (Formerly 1602.11) Irrigation, Disposal Field and Mulch Basin Construction.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.11.1 (Formerly 1602.11.1) Mulch Basin.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced Table number to 1502.10 due to model code reformatting. There is no intended change in regulatory effect.

**1502.11.2 (Formerly 1602.11.2) Irrigation Field.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced Table number to 1502.11 due to model code reformatting. There is no intended change in regulatory effect.

**TABLE 1502.11 (Formerly TABLE 1602.11) SUBSURFACE IRRIGATION DESIGN CRITERIA FOR SIX TYPICAL SOILS. Rationale:** HCD proposes to adopt the above referenced Table from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.11.3 (Formerly 1602.11.3) Disposal Field.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced Table number to 1502.11.3 due to model code reformatting. There is no intended change in regulatory effect.

**TABLE 1502.11.3 (Formerly TABLE 1602.11.3) SUBSOIL IRRIGATION FIELD CONSTRUCTION**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.12 (Formerly 1602.12) Gray Water System Color and Marking Information.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.13. (Formerly 1602.13.1) Other Collection and Distribution Systems.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1502.13.1. Higher Requirements.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform 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.

**1502.13.1 (Formerly 1602.13.2) Future Connections.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1502.15 (Formerly 1602.14) Maintenance.**

**Rationale:** HCD proposes adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1503.0 Reserved.**

**Rationale:** HCD proposes to continue to not adopt Section 1503.0 from the 2015 Uniform Plumbing Code, and to reserve this section for possible future use.

**1503.1 General.**

**1503.2 Permit.**

**1503.2.1 Plumbing Plan Submission.**

**1503.3 System Changes.**

**1503.4 Connections to Potable or Reclaimed (Recycled) Water Systems.**

**1503.5 Initial Cross-Connection Test.**

**1503.6 Reclaimed (Recycled) Water System Materials.**

**1503.7 Reclaimed (Recycled) Water System Color and Marking Information.**

**1503.8 Valves.**

**1503.9 Hose Bibbs.**

**Figure 1503.9**

**1503.10 Required Appurtenances**

**1503.11 Same Trench as Potable Water Pipes**

**1503.12 Signs.**

**1503.13 Inspection and Testing**

**Rationale:** HCD proposes to continue to not adopt the above referenced sections from the 2015 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.

**1504.0 (Formerly 1604.0) On-Site Treated Nonpotable Gray Water Systems.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment in the section heading from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.1 (Formerly 1604.1) General.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.2 (Formerly 1604.2) Plumbing Plan Submission.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.3 (Formerly 1604.3) System Changes.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.4 (Formerly 1604.4) Connections to Potable or Reclaimed (Recycled) Water Systems.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.6 (Formerly 1604.6) On-Site Treated Nonpotable Gray Water System Materials.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.7 (Formerly 1604.7) On-Site Treated Nonpotable Gray Water Devices and Systems.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification adds the term “gray”. The term “on-site treated nonpotable water” has been changed to

“on-site treated nonpotable gray water” for consistency with the 2013 California Plumbing Code as this is the correct terminology. There is no intended change in regulatory effect.

**1504.8 (Formerly 1604.8) On-Site Treated Nonpotable Gray Water System Color and Marking Information.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.10 (Formerly 1604.10) Design and Installation.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code with a new California amendment. The amendment changes the model code section number referenced in the body of the text from “1504.10.5” to “1504.10.6.” Section 1604.10.6 is an existing California amendment proposed to be relocated to 1504.10.6 which needs to be referenced in this section. There is no intended change in regulatory effect.

**1504.10.1 (Formerly 1604.10.1) Listing Terms and Installation Instructions.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.10.2 (Formerly 1604.10.2) Minimum Water Quality.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification changes the section number referenced due to model code reformatting. There is no intended change in regulatory effect.

**1504.10.3 (Formerly 1604.10.3) Deactivation and Drainage.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.10.4 (Formerly 1604.10.4) Near Underground Potable Water Pipe.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.10.5 (Formerly 1604.10.5) Required Filters.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.10.6 (Formerly 1604.10.6) Disinfection.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering due to model code reformatting. There is no intended change in regulatory effect.

**1504.11 (Formerly 1604.11) Signs.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1504.12 (Formerly 1604.12) Inspection and Testing.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

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**20. CHAPTER 16 (Formerly Chapter 17)  
NONPOTABLE RAINWATER CATCHMENT SYSTEMS**

HCD proposes to adopt Chapter 16 from the 2015 Uniform Plumbing Code with new amendments and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code as follows:

### **1601.1 Applicability.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code and bring forward existing amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modifications. The modifications are necessary to change referenced sections due to model code reformatting, and to clarify the water quality requirements for rainwater catchment systems as an alternate water source intended to supply uses such as water closet, urinals, trap primers for floor drains and floor sinks. During the 2012 triennial code adoption cycle HCD referenced requirements in chapter 16 which were also applicable to rainwater catchment systems. HCD intended that any alternate water source used back into dwellings for nonpotable applications would meet the water quality requirements of NSF/ANSI 350 as applicable. There is no intended change in regulatory effect from the 2013 California Plumbing Code provisions for nonpotable rainwater catchment systems.

### **1601.2 System Design.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with amendment. HCD proposes to repeal model code language in this section and bring forward text from an existing California amendment in Section 1601.2 of the 2013 California Plumbing Code. This is similar to the proposal in Section 1501.2. The modification has no intended change in regulatory effect.

### **1601.3 (Formerly 1702.2.1) Permit.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

### **1601.5 Maintenance and Inspection.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with amendment. HCD proposes to repeal model code language in this section and adopt language from an existing California amendment in Section 1601.5 of the 2013 California Plumbing Code. The modification has no intended change in regulatory effect.

#### **1601.5.1 Frequency.**

**Rationale:** HCD proposes to not adopt the above referenced section from the 2015 Uniform 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 not adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code. This is consistent with the same actions from 2013 California Plumbing Code Sections 1601.5.2 which was not adopted.

#### **~~1601.5.3~~ 1601.5.1 Maintenance Responsibility.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with modification. HCD proposes to renumber Section 1601.5.3 “Maintenance Responsibility” from the 2015 Uniform Plumbing Code for adoption as Section 1601.5.1 into the 2016 California Plumbing Code. This is consistent with Section 1501.5.1. There is no intended change in regulatory effect.

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

**Rationale:** HCD proposes to not adopt the above referenced Table from the 2015 Uniform Plumbing Code. As a result of the proposed actions concerning Sections 1601.5 and 1601.5.1, the Table is no longer necessary and may conflict with the manufacturer's recommendations or local requirements.

### **1601.6 Operation and Maintenance Manual.**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with modification. 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. This is consistent with the scope in Section 1501.6. HCD also proposes to bring forward existing amendments from Section 1601.6 of the 2013 California Plumbing Code with modification of the existing amendment to Item 3 to specify the application of instructions applies to rainwater catchment systems. There is no intended change in regulatory effect.

### **1601.7 (Formerly 1702.9.4) Minimum Water Quality Requirements.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to change the referenced table number due to model code reformatting, and add the term “surface” in Item (2) to match Table 1602.9.4 as amended by HCD. There is no intended change in regulatory effect.

#### **1602.4 (Formerly 1702.4) Connections to Potable or Reclaimed (Recycled) Water Systems.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for editorial renumbering of the section numbers due to model code reformatting. There is no intended change in regulatory effect.

**1602.9.3.1 Other Surfaces.** HCD proposes to adopt the above referenced section from 2015 Uniform Plumbing Code and bring forward an existing California amendment (Exception) from section 1702.9.3 from the 2013 California Plumbing Code into the 2016 California Plumbing Code. HCD also proposes to add in the term “gray” for on-site treated nonpotable water systems to match section 1504.0. Additionally HCD proposes amendments consistent with section 1702.9.3 in the 2013 California Plumbing Code related to water quality for surface water runoff vehicular parking surfaces or manmade surfaces. There is no intended change in regulatory effect.

#### **1602.9.4.1 (Formerly 1702.9.4.1) Disinfection.**

**Rationale:** HCD proposes to bring forward the above referenced existing California amendment from the 2013 California Plumbing Code for adoption into the 2016 California Plumbing Code without modification except for an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

#### **TABLE 1602.9.4 (Formerly Table 1702.9.4) MINIMUM WATER QUALITY.**

**Rationale:** HCD proposes to adopt the above referenced Table and bring forward an existing California amendments from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. The amendments bring forward the word “Surface” to the second row of the Application Column indicating that surface irrigation may be permitted. Also in the 3<sup>rd</sup> and 4<sup>th</sup> row of the application column added liter values to the gallons. There is no intended change in regulatory effect.

#### **1602.9.5.3 (Formerly 1702.9.5.3) Above Grade.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The proposed modification changes the reference from “the building code” to “the California Building Code” to provide consistency and clarity to the code user. There is no intended change in regulatory effect.

#### **1602.9.5.4 (Formerly 1702.9.5.4) Below Grade.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

#### **1602.9.5.5 (Formerly 1702.9.5.5) Drainage and Overflow.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

#### **1602.9.5.6 Opening and Access Protection. (Formerly 1702.9.5.6 (A) Animals and Insects & 1702.9.5.6 (B) Human Access)**

**Rationale:** HCD proposes to adopt the above referenced section from the 2015 Uniform Plumbing Code with amendment, and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The new amendment deletes the second sentence of the section as this language is covered by the existing California amendment in Section (B) which provides more specificity as to the requirement for access openings. HCD proposes to bring forward the existing amendment regarding the requirement for screens, and modify an existing California amendment in Section (B) adding necessary language to the section for clarity. The language proposed to be added as a California amendment was model code language in the 2012 Uniform Plumbing Code, and is now incorporated into the existing California amendment. There is no intended change in regulatory effect.

#### **1602.9.5.8 Storage Tank Venting. (Formerly 1702.9.5.7 Venting)**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. The modification specifies that tanks shall be adequately vented in accordance with this code. HCD also proposes to change the size of mesh screen to 1/16 to be consistent with Animals and Insects section above. There is no intended change in regulatory effect.

**1602.9.11 (Formerly 1702.9.11) Required Filters.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. Except for editorial deletion of the words “rainwater tanks”; as it is implied. There is no intended change in regulatory effect.

**1602.10 (Formerly 1702.10) Signs.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1602.10.1 (Formerly 1702.10.1) Commercial, Industrial, and Institutional, and Residential Restroom Signs.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1602.10.2 (Formerly 1702.10.2) Equipment Room Signs.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1602.11.2. (Formerly 1702.11.2) Cross-Connection Inspection and Testing.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification. There is no intended change in regulatory effect.

**1602.11.2.3 (Formerly 1702.11.2.3) Discovery of Cross-Connection.**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code without modification except for an editorial renumbering of the section number due to model code reformatting. There is no intended change in regulatory effect.

**1602.11.2.4 Annual Inspection.**

**Rationale:** HCD proposes to continue to not adopt the above referenced section from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code. This section was formerly located in Chapter 17 of the 2012 UPC and has been relocated to Chapter 16 due to model code reformatting. This removes the requirement for annual inspection of the rainwater catchment system.

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

HCD proposes to repeal existing California amendments from Chapter 16 of the 2013 California Plumbing Code as follows:

**1604.12.1 Supply System Inspection and Test.**

**Rationale:** HCD proposes to repeal the above referenced section from the 2013 California Plumbing Code and not bring the amendment forward into the 2016 California Plumbing Code. The term “on-site treated nonpotable gray water” has been adequately addressed by the 2015 Uniform Plumbing Code Section 1501.11.1 as “alternate water source”.

**1604.12.2 Cross-Connection Inspection and Testing.**

**1604.12.2.2 Cross-Connection Test.**

**1604.12.2.3 Discovery of Cross-Connection.**

**Rationale:** HCD proposes to repeal the above referenced sections with existing California amendments and not bring the amendments forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code adequately addresses the provisions included in these amendments, therefore, the amendments are no longer necessary.

### **1604.13 Sizing.**

**Rationale:** HCD proposes to repeal the above referenced section with existing California amendment and not bring the amendment forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code adequately addresses the gray water provisions with alternate water source systems included in this amendment, therefore, the amendment is no longer necessary.

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## **22. CHAPTER 17 RAINWATER CATCHMENT SYSTEMS**

HCD proposes to repeal existing California amendments from Chapter 17 of the 2013 California Plumbing Code as follows:

### **1702.2.1 Permit**

**Rationale:** HCD proposes to repeal the above referenced section with California amendment from the 2013 California Plumbing Code and not bring forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code adequately addresses the provisions for permits, except that we carried forward the existing exceptions as a California amendment in section 1601.3.

### **1702.9.3 Collection Surfaces.**

**Rationale:** HCD proposes to repeal the above referenced California amendment from the 2013 California Plumbing Code and not bring forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code adequately addresses the provisions in sections 1602.9.3 and 1602.9.3.1 included in this amendment, therefore, the amendment is no longer necessary.

### **TABLE 1702.9.4 MINIMUM TREATMENT AND WATER QUALITY FOR RAINWATER**

**Rationale:** HCD proposes to repeal the above referenced Table from the 2013 California Plumbing Code and not bring forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code contains Table 1602.9.4 which contains the same requirements as the 2013 Table 1702.9.4 for the minimum treatment and water quality for rainwater. Therefore, the California amendment is no longer necessary.

### **1702.9.4 Minimum Water Quality.**

**Rationale:** HCD proposes to repeal the above referenced section with California amendment from the 2013 California Plumbing Code and not bring forward into the 2016 California Plumbing Code. The 2015 Uniform Plumbing Code adequately addresses the provisions included in this amendment, therefore, the amendment is no longer necessary.

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## **23. CHAPTER 17 (Formerly Chapter 14) REFERENCED STANDARDS**

HCD proposes to adopt Chapter 17 from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code and bring forward existing California amendment from the 2013 California Plumbing Code as follows:

### **Table 1701.1 (Formerly 1401.1) Referenced Standards**

**Rationale:** HCD proposes to adopt the above referenced section and bring forward an existing California amendment from the 2013 California Plumbing Code into the 2016 California Plumbing Code with modification. HCD proposes to update the year from 2011 to 2012 and references sections from 1601.7 & 1604.10.2 to the current 1501.7 & 1504.10.2. 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 15. HCD also proposes to add as new California amendment ASTM D 1253-14 that references sections 1504.10.6 and 1602.9.4.1 a standard test method to test for Residual Chlorine in water for alternate water sources.

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## **24. APPENDIX A RECOMMENDED RULES FOR SIZING THE WATER SUPPLY SYSTEM**

HCD proposes to adopt Appendix A from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without amendment.

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**25. APPENDIX B  
EXPLANATORY NOTES ON COMBINATION WASTE AND VENT SYSTEMS**

HCD proposes to not adopt Appendix B from the 2015 Uniform Plumbing Code.

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**26. APPENDIX C  
ALTERNATE PLUMBING SYSTEMS**

HCD proposes to not adopt Appendix C from the 2015 Uniform Plumbing Code.

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**27. APPENDIX D  
SIZING STORMWATER DRAINAGE SYSTEMS**

HCD proposes to adopt Appendix D from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without amendment.

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**28. APPENDIX E  
MANUFACTURED/MOBILE HOME PARKS AND RECREATIONAL VEHICLE PARKS**

HCD proposes to not adopt Appendix E from the 2015 Uniform Plumbing Code.

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**29. APPENDIX F  
FIREFIGHTER BREATHING AIR REPLENISHMENT SYSTEMS**

HCD proposes to not adopt Appendix F from the 2015 Uniform Plumbing Code.

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**30. APPENDIX G  
SIZING OF VENTING SYSTEMS**

HCD proposes to not adopt Appendix G from the 2015 Uniform Plumbing Code.

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**31. APPENDIX H  
PRIVATE SEWAGE DISPOSAL SYSTEMS**

HCD proposes to adopt Appendix H from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without amendment.

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**32. APPENDIX I  
INSTALLATION STANDARD FOR PEX TUBING SYSTEMS FOR HOT AND COLD WATER  
DISTRIBUTION**

**Rationale:** HCD proposes to adopt Appendix I from the 2015 Uniform Plumbing Code into the 2016 California Plumbing Code without amendment.

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**33. APPENDIX I (2013 CPC)  
INSTALLATION STANDARD**

HCD proposes to repeal existing California amendments from Appendix I from the 2013 California Plumbing Code and not bring forward into the 2016 California Plumbing Code.

**IAPMO IS 5-2006.**

**2.2.6 Piping Installed in Fire Resistive Construction.**

**Rationale:** HCD proposes to repeal the above referenced section with existing California amendment. The existing amendment does not need to be carried forward due to 2015 Uniform Plumbing Code has taken out all but one of the installation standards out of the model code.

**IAPMO IS 20-2010.**

**1.2 Special Requirements for CPVC Installation within Residential Structures**

**1.2.1 Flush Procedures**

**1.2.2 Worker Safety Measures**

**Rationale:** HCD proposes to repeal the above referenced section with existing California amendment. The existing amendments have been relocated to Chapter 6 Section 604.1.1 due to model code reformatting.

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

HCD proposes to not adopt Appendix J from the 2015 Uniform Plumbing Code.

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**35. APPENDIX K  
POTABLE RAINWATER CATCHMENT SYSTEMS**

HCD proposes to not adopt Appendix K from the 2015 Uniform Plumbing Code.

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**36. APPENDIX L  
SUSTAINABLE PRACTICES**

HCD proposes to not adopt Appendix L from the 2015 Uniform Plumbing Code.

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**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)(1) 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)(4)(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. The proposed amendments are the only reasonable alternative for clarifying the 2016 CPC.

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

(Government Code Section 11346.2(b)(4)(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. The proposed amendments have no negative impact on small business.

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

(Government Code Section 11346.2(b)(5)(A) 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.

### **ASSESSMENT OF EFFECT OF REGULATIONS UPON JOBS AND BUSINESS EXPANSION, ELIMINATION OR CREATION**

(Government Code Sections 11346.3(b)(1) and 11346.5(a)(10))

The HCD has assessed whether or not and to what extent this proposal will affect the following:

- The creation or elimination of jobs within the State of California.  
**These regulations will not affect the creation, or cause the elimination, of jobs within the State of California.**
- The creation of new businesses or the elimination of existing businesses within the State of California.  
**These regulations will not affect the creation or the elimination of existing business within the State of California.**
- The expansion of businesses currently doing business with the State of California.  
**These regulations will not affect the expansion of businesses currently doing business within the State of California.**
- The benefits of the regulation to the health and welfare of California residents, worker safety, and the state's environment.  
**These regulations will update and improve minimum existing building standards, which will provide increased protection of public health and safety, worker safety and the environment.**

### **ESTIMATED COST OF COMPLIANCE, ESTIMATED POTENTIAL BENEFITS, AND RELATED ASSUMPTIONS USED FOR BUILDING STANDARDS**

(Government Code Section 11346.2(b)(5)(B)(i) states if a proposed regulation is a building standard, the initial statement of reasons shall include the estimated cost of compliance, the estimated potential benefits, and the related assumptions used to determine the estimates.)

- No increased cost of compliance for those regulations that make only technical and nonsubstantive changes.
- The potential benefits provide recognition and appropriate use of new technologies and materials, clarity for the code users and local enforcement agencies, and may increase business due to the adoption of new building standards.

Protection of public health and safety, worker safety and the environment.

**DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS**

(Government Code Section 11346.2(b)(6) 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.

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