

**INITIAL STATEMENT OF REASONS
FOR PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA DEPARTMENT OF WATER RESOURCES
REGARDING THE
2019 CALIFORNIA PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5
(DWR 01/18)**

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

STATEMENT OF SPECIFIC PURPOSE, PROBLEM, RATIONALE and BENEFITS

Problem Statement: Section 13557 of the Water Code directed the Department of Water Resources (DWR) to develop regulations to establish a state version of what was Chapter 16 of the Uniform Plumbing Code (UPC) to provide design standards to safely plumb buildings with both potable and recycled water systems. DWR promulgated regulations in 2009 that were incorporated in the 2010 California Plumbing Code (CPC). Water Code Section 13557(b) directs DWR to periodically update these regulations as necessary.

In 2014, AB 2282 was enacted instructing Department of Housing and Community Development (HCD) and California Building Standards Commission (BSC) to research and adopt mandatory building standards for installation of recycled water systems for newly constructed single- and multi-family residential, commercial, and public buildings. AB 2282 did not expressly repeal or remove DWR's authority for recycled water building standards. Therefore, the statutory authority for recycled water building standards now resides with California Building Standards Commission (CBSC) for commercial and public applications, with California Department of Housing and Community Development (HCD) for residential, and with California Department of Water Resources (DWR) for all of these categories, as well as for industrial or other applications.

DWR updated the regulations in the 2016 Intervening Code Adoption Cycle to accommodate reorganizational changes to the California Plumbing Code (CPC) and to harmonize its regulatory language with new overlapping regulations issued by BSC and HCD pursuant to AB 2282.

The proposed amendments to the regulations are necessary because, since the 2016 Intervening Code Adoption Cycle amendments:

- (i) The 2018 UPC has been reorganized moving recycled water subject matter to Section 1505.0 of Chapter 15 of the CPC from Section 1503.0 of Chapter 15 of the 2016 CPC;
- (ii) DWR's authority continues to overlap with HCD and BSC authorities (granted by AB 2282) and plumbing code amendments need to be coordinated between the agencies, and

- (iii) The applicability of DWR amendments needs clarification to be consistent with DWR's statutory authority.

DWR's proposed amendments are non-substantive and, for the most part, address the need for organizational restructuring of the CPC for consistency, clarity and ease of use, as well as the need to harmonize regulatory authority granted by AB 2282 with DWR's existing authority.

Benefits: This DWR proposed code adoption will result in clearer organization and greater ease of use of the CPC and clarify the respective responsibilities of administrative agencies working with recycled water, as well as facilitate the safe installation of dual plumbed systems using both recycled and potable water supplies, and other alternative water supplies. Recycled water is the result of the treatment of municipal wastewater and its use could present a public health concern if it is not adequately treated, or properly managed and properly used. The treatment and use standards for recycled water are adopted by the State Water Resources Control Board and codified in Title 22 of the California Code of Regulations. The management standards to safely plumb buildings and surrounding landscape for recycled water use is codified in the CPC. The CPC also establishes standards for testing and periodic inspection of systems to prevent cross-connections between recycled and potable water systems.

Specific Purpose and Necessity of the Proposed Regulatory Actions: DWR proposes to carry forward certain sections dealing with recycled water of the 2016 California Plumbing Code into the 2019 California Plumbing Code to provide clarity, specificity and direction to the code user and to implement existing state laws. The rationale for each amendment by chapter and section is listed below.

Item numbers used coordinate with the items listed in the Express Terms.

1. DWR PROPOSES TO CARRY FORWARD WITH AMENDMENTS THE FOLLOWING SECTIONS OF CHAPTER 1 OF THE CPC AS FOLLOWS:

**CHAPTER 1
ADMINISTRATION
DIVISION I
CALIFORNIA ADMINISTRATION**

DWR proposes to carry forward the following sections from the 2016 CPC into the 2019 CPC without amendments.

- 1.13.0 Department of Water Resources (DWR)
- 1.13.2 Adopting Agency Identification

- The purpose is to carry forward 2016 CPC as Amended.
- This is necessary to retain the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

1.13.1 Department of Water Resources (DWR)

DWR proposes to amend section 1.13.1 of the 2016 California Plumbing Code (CPC). The Code Advisory Committee recommended that this section receive short-term further study to address the issue of an apparent lack of definition of the verb “to plumb”. After consultation with BSC, DWR decided to retain the statutory language as presented in the Water Code. DWR does not perceive a potential misunderstanding of the verb “to plumb” within the context of the plumbing code.

- The purpose is to correctly describe the scope of applicability of sections of the Uniform Plumbing Code (UPC) as adopted or amended by DWR in the CPC.
- This is necessary because the current language does not accurately describe the scope of DWR’s regulatory authority under California Water Code Section 13557.
- There is no intended change in regulatory effect.

**2. DWR PROPOSES TO CARRY FORWARD THE FOLLOWING SECTIONS OF
CHAPTER 2 OF THE CPC AS FOLLOWS:**

**CHAPTER 2
DEFINITIONS**

DWR proposes to carry forward the following definitions from the 2016 CPC, as amended by the 2016 Intervening Code Adoption Cycle (2016 CPC as Amended) into the 2019 CPC.

- 206.0 Disinfected Tertiary Recycled Water
- 220.0 Reclaimed (Recycled) Water
- 220.0 Recycled Water Supply System

- The purpose is to define the terms.
- This is necessary to ensure accuracy and consistency with existing definitions that have been co-adopted by HCD and BSC.
- There is no intended change in regulatory effect.

3. DWR PROPOSES TO CARRY FORWARD THE FOLLOWING SECTIONS OF CHAPTER 6 OF THE CPC WITH A MINOR AMENDMENT AS FOLLOWS:

**CHAPTER 6
WATER SUPPLY AND DISTRIBUTION**

601.2 Hot and Cold Water Required

DWR proposes to carry forward the 2016 CPC as Amended into the 2019 CPC.

- The purpose is to carry forward 2016 CPC as Amended.
- This is necessary to retain the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

601.3.3 Alternate Water Sources

DWR proposes to carry forward the 2016 CPC as Amended into the 2019 CPC with a minor amendment. The Code Advisory Committee recommended that this section receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be addressed in the next intervening code cycle. DWR proposed in the Initial Express Terms to add language in item (2) of this section to clarify the applicability of this item. After consultation with HCD, DWR decided to withdraw the proposed amendment to item (2) because it is outside of DWR's authority.

- The purpose is to carry forward the 2016 CPC as Amended, with an additional amendment to update the reference to Section 1505.7 which applies to recycled water supply systems that are within or part of a building.
- This is necessary to retain and clarify the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

4. DWR PROPOSES TO CARRY FORWARD WITH AMENDMENTS SECTIONS 1501, 1502, AND 1503 OF CHAPTER 15 OF THE CPC AS FOLLOWS:

CHAPTER 15

Intent

ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS

Intent

DWR proposes to repeal the non-regulatory Intent section dealing with conservation and primarily the facilitation for the use of gray water. Currently, this chapter deals with multiple alternative water source supplies.

- The purpose is to remove language carried forward from previous CPC versions that no longer serves a purpose. Additionally, it is not appropriate to have non-regulatory language in the code.
- This is necessary to be consistent with HCD and BSC amendments.
- There is no intended change in regulatory effect.

CHAPTER 15

§1501,1502, and 1503

ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS

DWR adopted the following sections into the 2016 CPC during the 2016 Intervening Code Adoption Cycle exactly as they are presented in the 2018 UPC. DWR proposes to carry forward the following sections as presented in the 2018 UPC into the 2019 CPC without amendments.

- 1501.0 General
- 1501.2 System Design
- 1501.4 Component Identification
- 1501.8 Material Compatibility
- 1501.10 System Controls
- 1502.0 Inspection and Testing

- The purpose is to carry forward the 2016 CPC language into the 2019 CPC.
- This is necessary because these sections are applicable to DWR's responsibility under the CPC.
- There is no intended change in regulatory effect.

DWR adopted the following sections as amended into the 2016 CPC during the 2016 Intervening Code Adoption Cycle. DWR proposes to carry forward sections from the 2016 CPC as Amended into the 2019 CPC.

- 1501.1 Applicability
- 1501.1.1 Allowable Use of Alternate Water
- 1501.3 Permit

- The purpose is to carry forward the 2016 CPC as Amended that includes the deletion of specified text.
- This is necessary to retain the provisions of the 2016 CPC as Amended.

- There is no intended change in regulatory effect.

DWR proposes to carry forward the 2016 CPC as Amended, renumbering sections, and editing section references in text, into the 2019 CPC.

- 1501.5 Maintenance and Inspection
- 1501.7 Minimum Water Quality Requirements
- 1502.1 General

- The purpose is to retain the 2016 CPC as Amended, and to renumber certain sections and to edit references in the text to conform to the current organization of the UPC.
- This is necessary to retain the provisions of the 2016 CPC as Amended, and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1501.5.1 Frequency

DWR proposes to continue not to adopt section 1501.5.1 of the 2018 UPC for inclusion in the 2019 CPC.

- The purpose of this amendment is to exclude a redundant section in the UPC because the frequency for recycled water supply systems that are within or a part of a building is addressed in section 1505.15, and to be consistent with HCD.
- This is necessary because the section is redundant with section 1505.15.
- There is no intended change in regulatory effect.

1501.5.2 Maintenance Log

DWR proposes to continue not to adopt section 1501.5.2 of the 2018 UPC for inclusion in the 2019 CPC.

- The purpose is to carry forward the exclusion of the section into the 2019 CPC.
- This is necessary to retain the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

1501.5.1 (formerly 1501.5.3) Maintenance Responsibility

DWR proposes to carry forward the 2016 CPC as Amended, renumbering sections, and editing section references in text, into the 2019 CPC.

- The purpose is to renumber Section 1501.5.1 because of the deletion of two preceding sections.
- This is necessary to locate this section under the appropriate number and to indicate that it is applicable to DWR's responsibility under the CPC.
- There is no intended change in regulatory effect.

1501.6 Operation and Maintenance Manual

DWR proposes to carry forward the 2016 CPC as Amended into the 2019 CPC with new non-substantive clarifying amendments and editing section references in text.

Furthermore, the Code Advisory Committee recommended short-term further study to coordinate amendments between DWR, BSC, and HCD. After consultation, DWR withdrew certain amendments outside DWR's authority DWR withdrew the insertion of the word "gray" and the edit to Section 1504.2 reference.

- The purpose is to retain the 2016 CPC as Amended and to edit section references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended, and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1501.9 Signage

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumber the section, and edit section references in the text. This section is not present in the 2018 UPC but is present in the 2016 CPC.

- The purpose is to retain the 2016 CPC as Amended, to renumber the section, and to edit references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1501.9.1 Commercial, Industrial, Institutional, and Residential Restroom Signs, and 1501.9.2 Equipment Room Signs

DWR proposes to carry forward the 2016 CPC as Amended, renumbering sections, and editing section references in text, into the 2019 CPC. The Code Advisory Committee recommended that this section receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be addressed in the next intervening code cycle.

- The purpose is to retain the 2016 CPC as Amended, and to renumber certain sections and to edit references in the text to conform to the current organization of the UPC.
- This is necessary to retain the provisions of the 2016 CPC as Amended, and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1501.14 Hose Bibbs for Single-Family Dwellings

DWR proposes to withdraw the sentence that DWR proposed in the Initial Express Terms for this Section 1501.14. The purpose of adding the sentence was to clarify that hose bibbs that are a part of a building other than single-family dwellings are addressed in section 1505.9. The Code Advisory Committee had recommended that this amendment receive short-term further study. After consultation, DWR decided to withdraw the sentence and to coordinate with HCD and BSC in the next intervening code cycle.

- The purpose of withdrawing the sentence is to alleviate potential confusion to the code user.
- This is necessary to provide clarity to the code user.
- There is no intended change in regulatory effect.

1502.4 (formerly 1501.12) Separation Requirements

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC with new non-substantive clarifying amendments. DWR added an Exception to point the code user to the section that applies to plumbing in buildings. In the Initial Express Terms, DWR proposed to renumber this section because the 2018 UPC had mistakenly moved this section (Separation Requirements) into Section 1502 addressing Inspection and Testing; however, Separation Requirements do not pertain to this heading. After consultation with BSC, DWR issued an addendum to withdraw the section renumbering to avoid any potential section reference conflicts. This organizational issue should be brought to the attention of the International Association of Plumbing and Mechanical Officials (IAPMO) which is the agency responsible the UPC and any future revisions to the code.

- The purpose is to retain the 2016 CPC as Amended, and to add an exception to point the code user to the section that applies to plumbing in buildings.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code.
- There is no intended change in regulatory effect.

1502.5 Abandonment,

1502.5.1 General,

1502.5.2 Underground Tank, and

1502.6 Sizing

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC. In the Initial Express Terms, DWR proposed to renumber these sections because the 2018 UPC had mistakenly moved these sections into Section 1502 addressing Inspection and Testing, and these sections do not pertain to this heading. After consultation with BSC, DWR issued an addendum to withdraw the renumbering of these sections to avoid any potential section reference conflicts. This organizational issue should be brought to the attention of IAPMO for future revisions of the UPC.

- The purpose is to carry forward the language from the 2016 CPC and to maintain the organizational structure of the 2018 UPC.
- This is necessary to avoid confusing the code user.
- There is no intended change in regulatory effect.

1503.0 (formerly 1502.0) Gray Water Systems

This section heading is shown for context only.

1503.3 (formerly 1502.3) Connections to Potable or Reclaimed (Recycled) Water Systems

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC with non-substantive clarifying amendments.

- The purpose is to carry forward the 2016 CPC as Amended, including the deletion of specified text of the 2018 UPC and the renumbering of certain sections to conform to the current 2018 UPC organization.
- This is necessary to retain the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

5. DWR PROPOSES TO CARRY FORWARD WITH AMENDMENTS SECTIONS 1505 AND 1506 OF CHAPTER 15 OF THE CPC AS FOLLOWS:

**CHAPTER 15
§1505 and 1506
ALTERNATIVE WATER SOURCES FOR NONPOTABLE APPLICATIONS**

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumbering the sections, and editing section references in text.

1505.0	Recycled Water Supply Systems in Buildings
1505.1	General
1505.1.1	Allowed Uses
1505.2	Permit
1505.2.1	Plumbing Plan Submission
1505.3	System Changes
1505.4	Connections to Potable or Reclaimed (Recycled) Water Systems
1505.5	Initial Cross-Connection Test
1505.6	Recycled Water Supply System Materials
Figure 1505.9	[No title]
1505.10	Required Appurtenances
1505.11	Pipe Separation in Trenches
1505.13	Inspection and Testing

- The purpose is to retain the 2016 CPC as Amended, to renumber certain sections and to edit references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

DWR proposes to carry forward sections from the 2016 CPC as Amended for adoption into the 2019 CPC, renumbering the sections, and editing section references in text. These sections are not present in the 2018 UPC but are present in the 2016 CPC.

1505.1.2	Structures Allowed for Toilet and Urinal Flushing
1505.8.2	Valve and Appurtenance Access Door Signs
1505.13.1	Supply System Inspection and Test
1505.13.2.1	Visual System Inspection
1505.13.2.3	Discovery of Cross-Connection
1505.13.2.4	Periodic Inspection
1505.14	Minimum Water Quality Requirements for Reclaimed (Recycled) Water
1505.15	Maintenance and Inspection
Table 1505.15	Minimum Reclaimed (Recycled) Water Source Testing, Inspection, and Maintenance Frequency

- The purpose is to retain the 2016 CPC as Amended, to renumber certain sections, and to edit references in the text.

- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1505.0 (formerly 1503.0) Recycled Water Supply Systems in Buildings

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC.

- The purpose is to carry forward the 2016 CPC as Amended.
- This is necessary to retain the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

1505.7 Recycled Water Supply System Color and Marking Information

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumbering the sections, and editing section references in text. The Code Advisory Committee recommended that this section receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be addressed in the next intervening code cycle.

- The purpose is to retain the 2016 CPC as Amended, to renumber certain sections and to edit references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1505.8 Valves

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC without amendment to the language presented in the 2018 UPC.

- The purpose is to carry forward the 2016 CPC without amendment into the 2019 CPC.
- This is necessary because this section is applicable to DWR's responsibility under the CPC.
- There is no intended change in regulatory effect.

1505.8.1 Valve Seals

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumbering the sections, and editing section references in text. These sections are not present in the 2018 UPC but are present in the 2016 CPC. Although the Code Advisory Committee did not recommend that this section receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements, it is an issue for this section. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be addressed in the next intervening code cycle.

- The purpose is to retain the 2016 CPC as Amended, to renumber certain sections, and to edit references in the text.

- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1505.9 Hose Bibbs

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumbering the section, editing section references in text, and adding “Section” preceding each section number in accordance with UPC convention. The Code Advisory Committee recommended that this section receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be addressed in the next intervening code cycle.

- The purpose is to retain the 2016 CPC as Amended, to renumber this section and to edit references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1505.12 (formerly 1503.12) Signage.

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumbering the section, editing section references in text, and adding “Section” preceding each section number in accordance with UPC convention. The Code Advisory Committee recommended that this section receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be addressed in the next intervening code cycle.

- The purpose is to retain the 2016 CPC as Amended, to renumber this section and to edit references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1505.12.1 Commercial, Industrial, Institutional, and Residential Restroom Signs, 1505.12.2 Tank-Type Toilet Signs, and 1505.12.3 Equipment Room Signs.

DWR proposes to carry forward these sections from the 2016 CPC as Amended into the 2019 CPC. renumbering the sections, and editing section references in text. These sections are not present in the 2018 UPC but are present in the 2016 CPC. The Code Advisory Committee recommended that these sections receive short-term further study to address the issue of italics in signage language which may lead to conflicts with accessibility code requirements. After consultation with HCD and BSC, DWR decided to retain the code convention of utilizing the italics to signify California amendments to the UPC text, even though the intent is not to require italics in the signage. The italics will be

addressed in the next intervening code cycle.

- The purpose is to retain the 2016 CPC as Amended, to renumber certain sections, and to edit references in the text.
- This is necessary to retain the provisions of the 2016 CPC as Amended and to facilitate the use of the code with appropriate section numbering.
- There is no intended change in regulatory effect.

1505.13.2 (formerly 1503.13.2) Cross-Connection Inspection and Testing

DWR proposes to carry forward the 2016 CPC as Amended from Section 1503.13.2 into the 2019 CPC, renumber the section, edit section references in text, and correct terminology.

- The purpose is to use consistent and defined terminology as provided in Chapter 2 of this code and to renumber referenced sections to conform to the current 2018 UPC organization.
- This is necessary to retain the provisions of the 2016 CPC as Amended and provide understanding to the code user.
- There is no intended change in regulatory effect.

1505.13.2.2 (formerly 1503.13.2.2) Cross-Connection Test

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC, renumber the section, edit section references in text, and correct terminology.

Paragraph (3)

- The purpose of amending paragraph three (3) is to use consistent and defined terminology as provided in Chapter 2 of this code.
- This is necessary to retain the provisions of the 2016 CPC as Amended, and provide clarity to the code user.
- There is no intended change in regulatory effect.

Paragraph (9)

- The purpose of amending paragraph nine (9) is to provide clarity.
- This is necessary to avoid confusion and promote compliance by the code user.
- There is no intended change in regulatory effect.

1506.0 (formerly 1504.0) On-Site Treated Nonpotable Gray Water Systems

This section heading is shown for context only.

1506.4 (formerly 1504.4) Connections to Potable or Reclaimed (Recycled) Water Systems

DWR proposes to carry forward this section from the 2016 CPC as Amended into the 2019 CPC.

- The purpose is to carry forward the 2016 CPC as Amended, including the deletion of specified text of the 2018 UPC and renumbering sections to conform to the current 2018 UPC organization.
- This is necessary to retain the provisions of the 2016 CPC as Amended.
- There is no intended change in regulatory effect.

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

DWR proposes to update the CPC as part of its responsibility under Water Code Section 13557. Primarily, the proposed amendments of the Plumbing Code migrate existing standards on how to design, construct, maintain, and test a building plumbed with both potable and recycled water from Section 1503.0, Chapter 15, to Section 1505.0 Chapter 15, to accommodate a reorganization of the UPC model code and the CPC. Pursuant to AB 2282 (2014) BSC and HCD are also proposing amendments to the CPC regarding recycled water. DWR, BSC, and HCD have been coordinating efforts to draft Express Terms for this code cycle.

DWR relied upon the following documents in development of the proposed regulations:

- Water Code Section 13557
- 2018 Uniform Plumbing Code
- 2016 CPC, as amended by the 2016 Intervening Code Adoption Cycle

STATEMENT OF JUSTIFICATION FOR PRESCRIPTIVE STANDARDS

Prescriptive standards provide explicit guidance for certain mandated requirements; consistent application and enforcement of building standards while also establishing clear design parameters and ensuring compliance with minimum health, safety, and welfare standards for owners, occupants, and guests.

Additionally, BSC is statutorily required to adopt by reference model building codes, which are the basis of California building codes, and contain prescriptive standards. Such is the case with the California Plumbing Code which provides prescriptive standards for the installation of recycled water supply systems. Some of the prescriptive standards in the CPC are from the recycled water use criteria in Title 22 of the California Code of Regulations.

CONSIDERATION OF REASONABLE ALTERNATIVES

Two alternatives were evaluated in addition to the proposed amendments: (1) Keep existing regulations in Plumbing Code Section 1503.0 Chapter 15 without update. (2) Move Plumbing Code Section 1503.0 Chapter 15 content to Section 1505.0 Chapter 15 to conform to current Plumbing Code organization without update or effective integration for ease of use.

DWR has determined that no reasonable alternative considered by DWR or that has otherwise been identified and brought to the attention of DWR would be more effective in carrying out the purpose for which the action is proposed or would be as effective and less burdensome to affected private persons than the proposed action, or would be more cost-effective to affected private persons and equally effective in implementing the statutory policy or other provisions of law.

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

No alternatives were identified to lessen the adverse impact on small business. With minor exceptions, the proposed amendments constitute a migration of existing regulations from Section 1503.0 Chapter 15 of the CPC to Section 1505.0 Chapter 15, with edits to improve clarity and harmonize with the current organization of the CPC. Proposed amendments are justified to implement the statutory mandate contained in Water Code Section 13557, which is to provide design standards to safely plumb buildings with both potable and recycled water systems.

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

DWR 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

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

- A.** The creation or elimination of jobs within the State of California.

The proposed amendments will not create or eliminate jobs.

- B.** The creation of new businesses or the elimination of existing businesses within the State of California.

The proposed amendments will not create or eliminate businesses.

- C.** The expansion of businesses currently doing business within the State of California.

The proposed amendments will not affect the expansion of businesses currently doing business with the State of California. The CPC as currently in effect and as changed by the proposed amendments facilitates the use of recycled water, and thereby could allow business to expand in areas that are constrained by water availability.

- D.** The benefits of the regulation to the health and welfare of California residents, worker safety, and the state's environment.

The proposed amendments will update and improve California Plumbing Code standards for the safe use of recycled water when buildings are plumbed with both potable and recycled water.

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

These regulations will likely result in the following:

- No increased cost of compliance for those regulations that make technical, non-substantive or clarifying changes.
- Benefits to the State of California from potable water savings. Use of recycled water will increase local water supply and reliability during shortages. Building owners may save operating costs because of reduced water costs. Local water districts may save costs of increasing water supply from other sources. Public is health protected by safe use of recycled water.
- The protection of public health and safety, worker safety and the environment.
- The promotion of the general welfare of California residents.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

There are no comparable federal regulations.