INITIAL STATEMENT OF REASONS

FOR
PROPOSED BUILDING STANDARDS
OF THE
CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC)

REGARDING THE ADOPTION OF THE 2015 UNIFORM PLUMBING CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 5

AMEND 2015 UNIFORM PLUMBING CODE (UPC)

[**Note to agencies:** Directions below which, like this note, are not intended to be shown in your submittal, have been updated to reflect requirements of AB 1711 (Chapter 779, Statutes of 2014) effective January 1, 2015. New directions are shown in underline.]

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:

This proposed action by the CBSC adopts the most current edition of the UPC of the International Association of Plumbing and Mechanical Officials, (IAPMO) with existing amendments to be moved forward without modification (not shown) and new amendments shown below. These proposed regulations will make effective the latest edition of the Uniform Plumbing Code (UPC) for state owned buildings, including buildings constructed by the Trustees of the California State University and buildings constructed by the Regents of the University of California that are permitted under the next triennial edition of the California Plumbing Code (CPC). Further, California law makes the UPC standards adopted by the Commission applicable to all occupancies. Each triennial edition of the California Code of Regulations (CCR) becomes effective 180 days after its publication and is effective at the time an application for a building permit is submitted. The adoption of the 2015 UPC will make applicable the most recent edition for use by individuals, businesses and state agencies as mandated by the Health & Safety Code (H&SC), Section 18928.

New amendments and existing amendments (shown for context): Item numbers used to coordinate with the items listed in the Express Terms.

ITEM 1 – Preface, Acknowledgements & Legends of Abbreviations of Adopting State Agencies.

Agency Statement: CBSC proposes to update the number of parts listed for the building standards code as identified in law as Title 24. Additionally update the model plumbing code edition being proposed for adoption in the 2015 Triennial Code Adoption Cycle. Lastly, update the list of Commissioners to reflect the current membership of the Commission and clarify the legend of abbreviations to include **BSC-CG** in response to AB 341.

Specific Purpose:
With the addition of Part 2.5 California Residential Code during the last Triennial cycle, the total number of codes included in the Title 24 standards increased from 12 parts to 13 parts. Therefore CBSC is proposing to change the preface to reflect the actual number of codes included in Title 24.

Additionally, CBSC is proposing to change the referenced edition of the model code from the 2012 edition of the UPC to the 2015 edition of the UPC as well as updating the names of the Commissioners currently serving on the Building Standards Commission.

Lastly, CBSC is proposing a new acronym, **BSC-CG** (California Building Standards Commission – CALGreen) to help the code user identify green building standards provisions that are contained in the California Green Building Standards Code (CALGreen) and may be related to the plumbing provisions contained in the plumbing code.

Rationale:
The California Building Standards Commission is the state agency with the responsibility for maintaining the format of the published codes. These changes will provide a more accurate accounting of the parts of code available through Title 24, California Code of Regulations (CCR), as well as updating the edition of the model code references required to meet Building Standards Law regarding the adoption of the most recent edition of model code within one year of the model code publication.

Benefit:
Changing these references will clarify the codes that are available for construction and maintain the most current building standards for the protection of public health and welfare in the built environment. Additionally, updating the current sitting members of the Commission allows the public to be aware of the person responsible for the adoption and publication of the building standards codes.

ITEM 2 – CHAPTER 1 – CALIFORNIA ADMINISTRATION, DIVISION I

Agency Statement:
Similar to Item #1 CBSC proposes to update the general title statement regarding the number of parts of the building standards code as identified in law as Title 24. Additionally BSC proposes to update the model plumbing code edition being considered for adoption in the 2015 Triennial Code Adoption Cycle.

Additionally, CBSC is proposing to change the following sections;

- References for various state agencies to reserved sections found later in Chapter 1.

- Updates to **Section *1.1.3.2 (2 – 5, 7 & 8, 15, 16, 17 & 18)*** to change reference to reserved sections to clarify that they are simply reserved and no new information may be obtained by visiting these reserved sections. Previous amendment gave the reader the impression that additional information could be obtained by going to the referenced section. Additional amendments were made to change *"apartment houses"* to *"apartments",* add the word *"new"* to *"Common-use",* change the word *"spaces"* to *"areas"* and add the word *"new"* after the word *"serving"* in respond to a request by The Housing and Community Development agency (HCD).

- Added an Exception for detached one-and two-family dwellings to **Section *1.1.7.3*** in respond to a request by HCD.

- Updated the street address in **Section *1.1.8.1*** in respond to a request by HCD.

- Added a new **Section *1.1.8.2 Locally adopted energy standards – California Energy Code, Part 6*** to clarify the required steps for local jurisdictions when proposing amendments to the California Energy Code, Part 6, Title 24.

- Update to correct the reference to *Health and Safety Code Section 18942* within **Section *1.1.10 Availability of codes.***

- Addition of an acronym ***BSC*** In **Section *1.2.1*** was included for new scope and authority provisions for the Building Standards Commission regarding the development of green building standards in response to AB 341. Additionally, the acronym CSU and UC were added to item #1 to identify locations within the code standards that use these acronym references.

- Within subsections ***1.2.2.1 State building, 1.2.2.2 Enforcement, 1.2.2.3 Enforcement, Reserved for DGS, and 1.2.2.4 Adoption agency identification*** BSC added amendments to clarify the BSC banner application of building standards.

- A new Section ***1.2.3 BSC-CG*** acronym is being proposed for BSC that stands for **Building Standards Commission – CALGreen, *[BSC-CG]***. This acronym is intended to identify provisions in the other parts of Title 24 that have related green standards contained within the CALGreen code. Additionally the application, enforcing agency, authority cited and reference were added to clarify the application of BSC-CG.

- Due to previous legislation the Department of Water Resources (**Section *1.13.0***) authority for graywater systems under Section ***1.13.2 Application*** was removed by statute and given to the CBSC. Therefore, BSC proposes to remove the DWR application provision for graywater systems only and renumber the remaining sections accordingly.

1.1.0 General
1.1.1 Title.
1.1.3.2 State-Regulated Buildings, Structures, and Applications.
1.1.7.3 Conflicts. (Exception)
1.1.8.1 Findings and filings.
1.1.8.2 Locally adopted energy standards.
1.1.10 Availability of codes.
1.2.1 BSC.
1.2.2 Alternate Materials and Methods of Construction and Equipment.
1.2.2.1 State building.
1.2.2.2 Enforcement.
1.2.2.3 Enforcement, Reserved for DGS.
1.2.2.4 Adopting agency identification.
1.2.3 BSC-CG.
1.2.~~2.~~3.1 Research Reports.
1.2.~~2.~~3.2 Tests.
1.13.0 Department of Water Resources (DWR).

Section *1.1.0 General and 1.1.1 Title*:
Specific Purpose:
With the addition of Part 2.5 California Residential Code during the last Triennial cycle, the total number of codes included in the Title 24 standards increased from 12 parts to 13 parts, therefore CBSC is proposing to change the preface to reflect the actual number of codes included in Title 24.

Rationale:
The California Building Standards Commission is the state agency with the responsibility for maintaining the format of the published codes. This change will provide a more accurate accounting of the parts of code available through Title 24, California Code of Regulations (CCR). Also updating the edition of the model code referenced is required to meet Building Standards Law regarding the adoption of the most recent edition of model code within one year of the model code publication.

Benefit:
Changing these references will clarify the codes available for use for construction and maintain the most current building standards for the protection of public health and welfare in the built environment.

Section *1.1.7 Order of precedence and use*:
Specific Purpose:
Added Exception for Detached one-and two family dwellings.

Rationale:
To coordinate with HCD's clarification of residential applications.

Benefit:
More clearly identified the application of code standards.

Section 1.1.8.1 Findings and filings:
Specific Purpose:
Update the HCD street address.

Rationale:
Maintain accuracy for the code user.

Benefit:
This will assists with the ability to correspond with HCD by maintaining an accurate street address.

Section 1.1.8.2 Locally adopted energy standards:
Specific Purpose:
The CBSC is the state agency responsible for local ordinance filing to modify, in a more restrictive manner, building standards for local application. As required in law, and to provide the local jurisdiction the ability to further amend the building standards for use within their jurisdictional authority, the local jurisdiction can propose to modify the building standards as needed. Additionally, energy provisions promulgated by the California Energy Commission may be modified as well. Upon a local jurisdiction energy standard modification that jurisdiction is required to file any changes to the energy standards with the Energy Commission and to obtain a letter of approval for the modification to the energy code. The documentation received from the Energy Commission is also required to be forwarded to the CBSC to be included within their jurisdictions filed ordinance.

Rationale:
To comply with applicable provisions of the Public Resources Code and applicable provisions of California Administrative Code, Chapter 10, Part 1 of Title 24, California Code of Regulations.

Benefit:
This action will create better instruction for the filing jurisdiction to use in their ordinance adoption and filing process to ensure compliance with state law.

Section 1.1.10 Availability of codes:
Specific Purpose:
Update the code section reference.

Rationale:
The California Building Standards Commission is the state agency with the responsibility for maintaining the format of the published codes. This change will provide a more accurate referencing format within Title 24.

Benefit:
Changing these references will clarify the codes available for use for construction and maintain the most current building standards for the protection of public health and welfare in the built environment.

Section 1.2.1 BSC:
Specific Purpose:
Addition of an acronym ***BSC*** In **Section *1.2.1*** was included for new scope and authority provisions for the Building Standards Commission regarding the development of green building standards in response to AB 341. Additionally, the acronym CSU and UC were added to item #1 to identify locations within the code standards that use these acronym references. Lastly, item #4 is proposed to be changed to reflect the adoption of the International Code Council's International Existing Building Code (IEBC) as the abse model code for the 2016 California Existing Building Code.

Rationale:
To comply with applicable provisions of the Health and Safety Code and applicable provisions of California Administrative Code, Chapter 10, Part 1 of Title 24, California Code of Regulations.

Benefit:
Creates better instruction for the filing jurisdiction use for local ordinance adoption and filing process to ensure compliance with state law.

Section 1.2.2.1 State building:
Specific Purpose:
Adding State building definition for this section.

Rationale:
The California Building Standards Commission is the state agency with the responsibility for maintaining the format of the published codes. This change will provide a more accurate referencing format within Title 24.

Benefit:
Provides clarity of application for the code user regarding state buildings.

Section 1.2.2.2 Enforcement:
Specific Purpose:
Adding clarification regarding enforcement for CBSC regulated occupancies by adding definitions to this section.

Rationale:
The California Building Standards Commission is the state agency with the responsibility for maintaining the format of the published codes. This change will provide a more accurate referencing format within Title 24.

Benefit:
Provides clarity of enforcement for the code user regarding state buildings.

Section 1.2.2.3 Enforcement, Reserved for DGS:
Specific Purpose:
This proposal is intended to reserve a section number for future DGS applications.

Rationale:
Maintain accuracy for the code user.

Benefit:
Avoids renumbering of sections during future rulemaking activities addressing DGS applications.

Section 1.2.2.4 Adopting agency identification:
Specific Purpose:
Update to clarify the application of the BSC banner.

Rationale:
Maintain accuracy for the code user.

Benefit:
Provides clarity of enforcement for the code user regarding CBSC's authority.

Section 1.2.3 BSC-CG:
Specific Purpose:
Adding BSC-CG for this section is in response to AB 341 which was legislation that requires the CBSC to add references to other parts of Title 24 that may be impacted by regulations contained in Title 24's Part 11, CALGreen code. This action is being taken to identify the expanded regulatory authority CBSC has over all occupancies that no other agency has authority to regulate and provide green building standards for. Additional to the new section being added for BSC-CG, two existing sections ***~~1.2.2.1~~ and ~~1.2.2.2~~*** have been renumber to ***1.2.3.1 and 1.2.3.2***. The remaining text of these sections was not changed.

Rationale:
The addition of the BSC-CG banner will help to clarify the authority the CBSC has for green building standards for occupancies that no other state agency has authority.

Benefit:
Helps the code user more clearly identify green building standards provisions that are required to included in construction projects throughout the state.

Section 1.13.0 Department of Water Resources (DWR):
Specific Purpose:
Due to previous legislation the Department of Water Resources (**Section *1.13.0***) authority for graywater systems under Section ***1.13.2 Application*** was removed by statute and given to the CBSC. Therefore, CBSC proposes to remove the DWR application provision for graywater systems only, and renumber the remaining sections accordingly.

Rationale:
To align with statutory mandates regarding the authority for graywater systems.

Benefit:
Provides accurate reference to the authority to promulgate regulations related to installations and operation of graywater systems within the California Plumbing Code.

ITEM 3 – CHAPTER 2 – DEFINITIONS

Section 209.0 *Gray Water:*
CAC comment:
The PEME Code Advisory Committee (CAC) meeting held on September 9, 2015 recommended Short Term Further Study (STFS) to the proposed amendment to the definitions. The CAC questioned whether "certified" Gray Water Diverter Valves exist in the marketplace and that by repealing the definition of graywater diverter valve from the model code made it difficult for local jurisdictions to enforce that code provision.

CBSC response:
The CBSC has accepted the recommendation and has researched for "certified" gray water diverter valves with some of the largest valve manufacturers in the US. According to Asaki/America, Spears Mfgr, Hayward Valves, and Charlotte Pipe and Foundry; they do not manufacture a "certified" valve specific for gray water applications but would normally specify, were required, a valve that meets NSF 61 standards which is the standard required for valves used for potable water applications.
While there may be one "certified" gray water valve in the market place as mentioned in the CAC meeting, CBSC recognized that there is not enough commercially available valves identified as an "gray water diverter valve" and proposes to maintain the proposed amendment to repeal "gray water diverter valve" from the model code. This proposed change will maintain consistency with the existing 2013 California Plumbing Code and HCD's similar amendment. As for local enforcement; CBSC wanted to allow the local jurisdictions the flexibility to accept readily available valves as per the current California Plumbing Code. The local jurisdictions can always impose more restrictive standards via the ordinance filing process.

Specific Purpose:
Deleting model code definition for **Gray Water** and **Gray Water Diverter Valve** and maintaining existing California amended language for "***Gray Water System***" from the 2013 edition of the California Plumbing Code.

Rationale:
Maintain accuracy and consistence with HCD for the code user.

Benefit:
This action provides consistent definitions between residential and non-residential gray water systems.

Section 215.0 *Mulch Basin:*
Specific Purpose:
Deleting model code definition for **Mulch Basin** and maintaining existing California amended language for "***Mulch Basin***" from the 2013 edition of the California Plumbing Code.

Rationale:
Maintain accuracy and consistence with HCD for the code user.

Benefit:
This action provides consistent definitions for Mulch Basins between residential and non-residential occupancies.

Section 217.0 *On-Site Treated Nonpotable Water:*
Specific Purpose:

Deleting model code definition for **On-Site Treated Nonpotable Water** and maintaining existing California amended language for "***On-Site Treated Nonpotable Water***" from the 2013 edition of the California Plumbing Code.

Rationale:
Maintain accuracy and consistence with HCD and for the code user.

Benefit:
This action provides consistent definitions for On-Site Treated Nonpotable Water between residential and non-residential occupancies.

Section 220.0 *Rainwater, Rainwater Catchment System and Reclaimed Water:*
Specific Purpose:
Deleting model code definition for **Rainwater, Rainwater Catchment System and Reclaimed Water** and maintaining existing California amended language for ***Rainwater, Rainwater Catchment System and Reclaimed Water*** from the 2013 edition of the California Plumbing Code.

Rationale:
Maintain accuracy and consistence with HCD and for the code user.

Benefit:
This action provides consistent definitions between residential and non-residential occupancies.

ITEM 4 – CHAPTER 3 – GENERAL REGULATIONS

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Adopt per statute the model code provisions for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 5 – CHAPTER 4 – PLUMBING FIXTURES AND FIXTURE FITTINGS

Specific Purpose:
Correcting a section number reference in the "Note" that is located immediately following the chapter title. CBSC is proposing to change the section reference from 109 to 1.9.0 to more clearly delineate the Division of the State Architect – Access Compliance (DSA-AC) administrative standards located within Chapter 1, Division I of this code.

Rationale:
Maintain accuracy for the code user.

Benefit:
Assists the code user in identifying additional accessibility standards required in new construction.

402.0 Installation*:*
Specific Purpose:
Carry forward existing **note** and relocate from section 403 in 2013 code to section 402 in the 2016 code.

Rationale:
Maintain accuracy for the code user.

Benefit:
Maintain reference to Civil Code regarding plumbing fixture replacement.

407.2.1 Minimum Flow Rate:
Specific Purpose:
Amend new model code flow rates for public lavatory faucets, carry forward existing flow rate amendments.

Rationale:
Maintain accuracy for the code user.

Benefit:
Aligns with allowed flow rates for these fixtures for the state.

***407.2.2.1 [BSC-CG]* "*Metering Faucets*":**
Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for metering faucets.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

***408.2.1 [BSC-CG]* and *408.2.2* "*Single showerhead" and "Multiple showerheads serving one shower*":**
Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for showerheads.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

411.2 Water Consumption and sub-sections:
Specific Purpose:

Amend new model code flow rates for water closets, carry forward existing flow rate amendments.

Rationale:
Maintain accuracy for the code user.

Benefit:
Aligns with allowed flow rates for these fixtures for the state.

***411.2.2.1 [BSC-CG]* "*Flushometer Valve Activated Water Closets*":**
Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for water closets.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

***411.2.3 [BSC-CG]* "*Water Closets*":**
Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for water closets.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

412.1 Application "Urinals":
Specific Purpose:
Amend new model code flow rates for urinals, carry forward existing flow rate amendments.

Rationale:
Maintain accuracy for the code user.

Benefit:
Aligns with allowed flow rates for these fixtures for the state.

***412.1.2 [BSC-CG]* "*Wall mounted urinals*" and *412.1.3* "*Floor mounted urinals*":**
Specific Purpose:
Carry forward existing amendment from the 2013 Plumbing code to the 2016 Plumbing code.

Rationale:

To clarify that the flow rate of .125 gallons per flush is for wall-mounted urinals only. Floor mounted urinals remain as specified in model code.

Benefit:
Accuracy in references.

***417.1.1 [BSC-CG]* "*Wash fountains*":**
Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for wash fountains.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

***417.1.2 [BSC-CG]* "*Metering faucets for wash fountains*":**

CAC comment:
The PEME Code Advisory Committee (CAC) meeting on September 9, 2015 noted a mistake had been made in erroneously identifying a maximum rate of flow (0.20 gallons per minute) in the proposed, new code Section 417.1.2 for metering faucets for wash fountains. The CAC recommended STFS.

CBSC response:
The CBSC has accepted the recommendation and has reviewed the code section for accuracy. As a result, Section 417.1.2. is amended to identifying a maximum rate of flow rate of 0.20 gallons per cycle versus gallons per minute.

Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for metering faucets for wash fountains.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

420.2 Water Consumption:
Specific Purpose:

Amend new model code flow rates for Kitchen faucets, carry forward existing flow rate amendments.

Rationale:
Maintain accuracy for the code user.

Benefit:
Accuracy in references.

***420.2.1 [BSC-CG]* "*Kitchen faucets*":**
Specific Purpose:
As a result of AB 341 being signed into law BSC is proposing to add references from the plumbing code to CALGreen for provisions directly related to fixtures water consumption for kitchen faucets.

Rationale:
To comply with law and to aid the code user in identifying additional provisions located in another part of code within Title 24.

Benefit:
Accuracy in references and connects the codes together for topics that have requirements on more than one part of Title 24.

Table 422.1:
Specific Purpose:
Due to the model code publisher adding additional foornotes to the plumbing fixture Table 422.1 CBSC is proposing to renumber the existing state amendment footnote from #4 to #7

Rationale:
Maintain accuracy for the code user.

Benefit:
Accuracy in footnote references.

ITEM 6 – CHAPTER 5 – WATER HEATERS

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Adopt per statute the model code provisions for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 7 – CHAPTER 6 – WATER SUPPLY AND DISTRIBUTION

TABLE 604.1, Sections 604.13, 605.10, 605.10.1, and 605.10.1.1
Specific Purpose:
Carry forward existing amendments without change.

Rationale:
Maintain accuracy for the code user.

Benefit:
Maintain restrictions on specific plastic plumbing products for BSC applications.

ITEM 8 – CHAPTER 7 – SANITARY DRAINAGE, CHAPTER 8 - INDIRECT WASTES, CHAPTER 9 – VENTS AND CHAPTER 10 – TRAPS AND INTERCEPTORS.

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Maintain accuracy for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 9 – CHAPTER 11 – STORM DRAINAGE

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Maintain accuracy for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 10 – CHAPTER 12 – FUEL PIPING

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Maintain accuracy for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 11 – CHAPTER 13 – HEALTH CARE FACILITIES AND MEDICAL GAS VACUUM SYSTEMS

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Maintain accuracy for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 12 – CHAPTER 14 – FIRESTOP PROTECTION

Specific Purpose:
To adopt the model code chapter for use in California for all occupancies.

Rationale:
Maintain accuracy for the code user.

Benefit:
This action provides general construction provisions for the plumbing systems used throughout the state.

ITEM 13 – CHAPTER 15 (Formally Chapter 16) – ALTERNATE WATER SOURCES FOR NONPOTABLE APPLICATIONS

Note: Chapter 15 in the 2015 UPC was formally Chapter 16 in the 2012 UPC. BSC has added notations to assist the reader in identifying where the sections was located previously.

Section 1501.2 (Formally 1601.2) System Design:
Specific Purpose:
Repeal state amendment and adopt existing model code section without modification.

Rationale:
Model code publisher incorporated language into 2015 UPC.

Benefit:
Deletion of state amendment.

Section 1501.5 (Formally 1601.5) Maintenance and Inspection:
Specific Purpose:
Revise reference section and delete model code sub-sections that refer to 1501.5.1 “Frequency” and 1501.5.2 “Maintenance Log” and maintain BSC amendment in 1501.5. Lastly, renumber section ~~1501.5.3~~ to 1501.5.1

Rationale:
Eliminates conflicting provisions related to frequency and maintenance log and state amended language.

Benefit:
Clarify enforcement requirements for alternate water source systems.

Section 1501.6 (Formally 1601.6) Operation and Maintenance Manual:

Specific Purpose:
Delete the word “rainwater” in section 1501.6 and maintain consistency in code language within the itemized provisions #1 through #5 and move forward existing amendment item #7 without change.

Rationale:
Maintain consistency for the code user.

Benefit:
Remove conflicting provisions and avoids ambiguity.

Section 1501.7 (Formally 1601.7) Minimum Water Quality Requirements:
Specific Purpose:
Strike reference to EPA/625/R 04/108 and maintain BSC amendment at end of section.

Rationale:
Language proposed for removal references an incorrect standard. Existing BSC amendment being moved forward without modification maintains an accurate reference to NSF/ANSI 350 standard.

Benefit:
Accuracy in reference.

TABLE 1501.5 (Formally 1601.5) [BSC]:
Specific Purpose:
Editorial corrections.

Rationale:
Maintain accuracy for the code user.

Benefit:
Provide correct use of sentence structure.

Section 1501.10 (Formally 1604.11.1) Commercial, Industrial, and Institutional Restroom Signs:
Specific Purpose:
To removal model code language referencing requirements for signs that are in conflict with the restroom signage requirements for accessibility as required by Chapter 11B within Part 2 California Building Code.

Rationale:
Maintain accurate reference to the appropriate location within the codes.

Benefit:
Avoids confusion and provides clarity to the code user.

Section 1501.11.2 (Formally 1604.12.2) Cross-Connection Inspection and Test:
Specific Purpose:
Strike “Annual” from the title to avoid conflict with the inspection frequency requirements that are established both by the referenced standards and local jurisdictional authority.

Rationale:

Maintain accuracy for the code user.

Benefit:
Avoids conflict with inspections and testing protocols.

Section 1502.0 (Formally 1602.0) Gray Water Systems:
Specific Purpose:
In response to AB 341 BSC is proposing to add this amendment and reference to BSC-CG to refer the code user to the CALGreen code for use of gray water systems.

Rationale:
Provides consistence for the code user and meets the requirements of AB 341 for referencing to CALGreen from other Parts of Title 24.

Benefit:
Connects the codes to together for better code application.

Section *1502.1.2* (Formally *1602.1.2*) *Simple System*:
Specific Purpose:
Editorial change to correct the reference in item #1.

Rationale:
Maintain accuracy in code standard references.

Benefit:
Correct code reference.

Section 1502.3 (Formally 1602.3) Connections to Potable and Reclaimed (Recycled) Water Systems:
Specific Purpose:
Clarify the intent of the section to avoid an “unprotected” connection instead of a “direct” connection.

Rationale:
The word “direct” is not clear and could create some confusion in application of this provision.

Benefit:
To provide a more understandable term for this important portion if a recycled water system connection path.

TABLE 1502.4 (Formally 1602.4) Location of Gray Water System:
Specific Purpose:
Delete the word “BED” and replace with “*BASIN”*.

Rationale:
Carry forward existing state amendment.

Benefit:
Consistency with state definition of Mulch Basin in Chapter 2.

Section 1502.8.2 (Formally 1602.8.2) Commercial, Industrial, and Institutional Occupancies:
Specific Purpose:
Move existing amendment forward and delete model code language referring to specific occupancies.

Rationale:
Maintain accuracy for the code user.

Benefit:
Maintain consistency with existing amendment being carried forward.

Section 1502.9.3 ~~Subsoil Irrigation Field Materials:~~
Specific Purpose:
Delete model code language and carry forward existing amendment for ***Animals and Insects.***

Rationale:
Maintain accuracy for the code user.

Benefit:
Maintain consistency with existing amendment being carried forward.

Section 1502.9.4 ~~Subsurface Irrigation Field and Mulch Basin Supply Line Materials~~:
Specific Purpose:
Delete model code language and carry forward existing amendment for ***Freeze Protection.***

Rationale:
Maintain accuracy for the code user.

Benefit:
Maintain consistency with existing amendment being carried forward.

Section 1502.9.5 Valves, 1502.9.6 Trap, 1502.9.7 Backwater Valve:
Specific Purpose:
Delete model code sections.

Rationale:
Maintain accuracy for the code user.

Benefit:
Eliminates conflicts between model code and state amendments.

Section 1502.10.2 (Formally 1602.10.2) Determination of Maximum Absorption Capacity:
Specific Purpose:
Section number update for *Exception #2*

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section 1502.11 (Formally 1602.11) ~~Subsurface and Subsoil Irrigation Field, and Mulch Basin Design and Construction~~, *Irrigation, Disposal Field and Mulch Basin Construction. [BSC-CG]*
Specific Purpose:
Delete model code sections 1502.11, 1502.11.1, 1502.11.1.1, 1502.11.1.2, 1502.11.1.3, 1502.11.1.4, 1502.11.1.5, 1502.11.1.6, 1502.11.2, 1502.11.2.1, 1502.11.2.2, 1502.11.2.3, 1502.11.2.4, 1502.11.3, 1502.11.3.1, 1502.11.3.2 and 1502.11.3.3 and carry forward existing state amendments.

Rationale:
Maintain accuracy for the code user and add reference to CALGreen for additional provisions per AB 341.

Benefit:
Consistency with state amendments being moved forward.

TABLE 1502.11.3 (Formally 1602.11.3) Subsoil Irrigation Field Construction:
Specific Purpose:
Update maximum inches in “Bottom width of trench” from ~~18”~~ to 24”

Rationale:
Maintain accuracy for the code user.

Benefit:
Correct bottom of trench depth required.

***TABLE 1502.11.3 (Formally 1602.11.3) Disposal Field*:**
Specific Purpose:
Update Exception ‘C’ to reference the correct section number due to model code renumbering.

Rationale:
Maintain accuracy for the code user.

Benefit:
Accuracy in reference to other provisions within the code.

Section 1502.13.1 (Formally 1602.3.1) Other Collection and Distribution Systems and 1502.13.2 Higher Requirements, and add new section number *1502.13.3* to existing amendment for *“Future Connections”*:
Specific Purpose:
Section number update. Move existing amendment forward.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency for code user.

Section 1504.10 (Formally 1604.10) Design and Installation and add new section number *1504.10.6 for Disinfection*:
Specific Purpose:
Delete reference to section ~~*1604.10.6*~~, and move existing amendment for Disinfection forward.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

ITEM 14 – CHAPTER 16 (Formally Chapter 17) –NONPOTABLE RAINWATER CATCHMENT SYSTEMS

Section 1601.3 (Formally *1702.2.1*) Permit:
Specific Purpose:
Repeal state amendment and exception for Permit because model picked up section.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section ~~1601.4~~:
Specific Purpose:
Repeal model code section to avoid conflict with state requirements.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section 1601.5 Maintenance and Inspection:
Specific Purpose:
Amend section to correct section reference and to include new language to refer to manufacturers or AHJ for inspection requirements.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section ~~1601.5.1 and 1601.5.2~~:
Specific Purpose:
Repeal model code sections to avoid conflict with state requirements.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section ~~1601.5.3~~ *1601.5.1* Maintenance Responsibility:
Specific Purpose:
Renumber model code section.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section 1601.6 Operation and Maintenance Manual:
Specific Purpose:
Amend model code sections to clarify requirements for installation of rainwater systems.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section 1601.7 (Formally 1702.9.4) Minimum Water Quality Requirements.:
Specific Purpose:
Amend model code section reference and add the word ‘surface’ to exception #2.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section ~~1601.8 through 1601.12~~:
Specific Purpose:
Repeal model code sections to avoid conflict with state requirements.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section ~~1602.7.4 Collection Surfaces~~:
Specific Purpose:

Delete section 1602.7.4. Picked by California in section 1602.9.3 (Formally 1709.9.3). Move existing amendment forward.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section 1602.9.3 (*Formally 1709.9.3 Collection Surfaces*):
Specific Purpose:
Move existing amendment forward. And delete model code language as shown.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

Section ~~1602.9.3.1 Other Surfaces~~:
Specific Purpose:
New model code section to be removed, also renumber 'Prohibited Discharges' to section *1602.9.3.1*

Rationale:
Maintain accuracy for the code user and avoid conflicts with water rights provisions regarding stormwater collection.

Benefit:
Consistency in reference.

Section 1602.9.4 Minimum Water Quality:
Specific Purpose:
Strike last sentence of section reference to TABLE 1702.9.4 and repeal ~~TABLE 1702.9.4~~.

Rationale:
Table is being proposed to be repealed in place of the new model code TABLE 1602.9.4.

Benefit:
Remove state amendment when possible and utilize model code provisions.

Section *1602.9.5.6* (Formally 1702.9.5.6(B)) *Human Access*:
Specific Purpose:
Modify existing amendment and renumber to align with new model code numbering. Include "Rainwater tank" and reference to *either lockable device or other approved method* for access.

Rationale:
Incorporate state amended language with model code.

Benefit:
Consistency for code user.

Section ~~1602.11.2.4 Annual Inspection~~:
Specific Purpose:
Strike model code section for 'Annual Inspection'.

Rationale:
To maintain the appropriate inspection process incorporated at the local level without creating a conflict for local level enforcement.

Benefit:
Avoids creating a statewide mandate for annual inspection. Currently this is determined at the local level.

ITEM 15 – BSC proposes to adopt Chapter 17 (Formally Chapter 14) of the 2015 UPC with the following amendments.

TABLE 1701.1, REFERENCED STANDARDS (Formally 1401.1) Permit:
Specific Purpose:
Adopt Table and amend reference year of the NSF 169 and NSF/ANSI 350 standards.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

ITEM 16. BSC proposes to adopt Appendix A, B, D, H, and J of the 2015 UPC without amendments.

Specific Purpose:
BSC proposes to adopt the Appendix A, B, D, H and J unamended for use in the 2016 edition of the California Plumbing Code.

Rationale:
Maintain accuracy for the code user.

Benefit:
Consistency in reference.

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

There were no formal studies or reports used as the bases for the proposed adoption of the Uniform Plumbing Code. The Health & Safety Code, Section 18928, mandates this proposed action.

STATEMENT OF JUSTIFICATION FOR PRESCRIPTIVE STANDARDS

There are no mandates for specific technologies or equipment or prescriptive standards that are required.

CONSIDERATION OF REASONABLE ALTERNATIVES

There are no reasonable alternatives identified by the agency. The Health & Safety Code, Section 18928, mandates this proposed action.

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 businesses. The Health & Safety Code, Section 18928, mandates this proposed action.

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

No facts, evidence, documents, testimony, or other evidence of any significant adverse economic impact on business have been identified. The Health & Safety Code, Section 18928, mandates this proposed action.

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

The CBSC 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 of or 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 of 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 not affect the expansion of businesses currently doing business within the State of California

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

CBSC did not identify any costs to comply with the proposed amendments. The amendments provide clarity and regulatory consistency for the code user.

DUPLICATION OR CONFLICTS WITH FEDERAL REGULATIONS

There are no federal regulations related to this proposed action. The Health & Safety Code, Section 18928, mandates this proposed action.

State estimated cost of compliance, potential benefits, and related assumptions