

**INITIAL EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
DEPARTMENT OF HOUSING AND COMMUNITY DEVELOPMENT  
REGARDING THE AMENDMENT OF THE  
2016 CALIFORNIA GREEN BUILDING STANDARDS CODE (CALGreen)  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 11  
  
(HCD XXX)**

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The Department of Housing and Community Development (HCD) proposes to make necessary changes to be included into the 2016 edition of the California Green Building Standards Code (CALGreen) as presented on the following pages, including any necessary amendments.

**LEGEND FOR EXPRESS TERMS:**

1. **Existing California text or language being modified:** All language is shown in normal Arial 9 point; modified language is underlined or shown in ~~strikeout~~.
  4. **Text not being modified:** All language not displayed in full is shown as “...” (i.e., ellipsis).
  5. **Repealed text:** All language shown in ~~strikeout~~.
  6. **Notation:** Authority and Reference citations are provided at the end of each action.
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## 1. HCD proposes to amend Chapter 2 as follows:

### CHAPTER 2 DEFINITIONS

**DISINFECTED TERTIARY RECYCLED WATER.** Filtered and subsequently disinfected wastewater that meets the approved method of treatment and minimum level of water quality specified in California Code of Regulations, Title 22, Division 4, Chapter 3 for the purpose of direct beneficial use.

**DUAL PLUMBED SYSTEM.** A system that utilizes separate piping systems for reclaimed (recycled) water and potable water where the recycled water is used for either of the following purposes:  
(a) To serve plumbing outlets (excluding fire suppression systems) within a building or  
(b) Outdoor landscape irrigation.

#### **OPTION 1:**

**RECLAIMED (RECYCLED) WATER. (HCD)** Nonpotable water that meets California Department of Public Health State Water Resources Control Board statewide uniform criteria for disinfected tertiary recycled water. Reclaimed (recycled) water is also known as “recycled water” or “reclaimed water”.

#### **OPTION 2:**

**RECLAIMED (RECYCLED) WATER.** Nonpotable water that meets the California State Water Resources Control Board statewide uniform criteria for disinfected tertiary recycled water, disinfected secondary-2.2 recycled water, or disinfected secondary-23 recycled water, as applicable for their use allowed in the California Code of Regulations, Title 22, Division 4, Chapter 3.

**RECYCLED WATER SYSTEM.** Premises piping, fittings, valves and appurtenances isolated from any potable water distribution system, and intended or used for conveying reclaimed (recycled) water from a recycled water service connection to supply indoor fixtures, landscape irrigation systems and other permitted uses in accordance with Chapter 15 of this code.

#### **NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17921, 17921.5, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1, and Water Code Section 14877.3, 13552.2, 13552.4, 13553.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.

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## 2. HCD proposes to amend Section A4.305 as follows:

### SECTION A4.305 WATER REUSE SYSTEMS

**A4.305.1 Recycled water piping. (Tier 1)** All newly constructed residential buildings shall comply with Sections A4.305.1.1, A4.305.1.2 and A4.305.1.3, where recycled water is within a planned service area and a specific implementation timeline for the provision of recycled water has been identified by the public water system in its most recent recycled water management plan.

#### **Exceptions:**

- (1) Where access to disinfected tertiary recycled water is not feasible and/or cost-efficient, as determined by the Authority Having Jurisdiction.

- (2) Service areas in which only recycled water will be used for potable purposes, or in which net nonpotable deliveries are anticipated to remain level or decrease as a result of a potable reuse project.

**A4.305.1.1** All landscape irrigation shall have an alternate water distribution line (dual plumbing) to allow for the future use of recycled water when available.

**A4.305.1.2** All water closets and urinals shall have an alternate water distribution line (dual plumbing) to allow for the future use of recycled water when available.

**A4.305.1.3** Alternate water distribution lines shall be designed and installed in accordance with the California Plumbing Code, and shall be capped and identified by a sign containing the following text: "NON POTABLE ALTERNATE WATER SOURCE - DO NOT DRINK".

**A4.305.2 Recycled water. (Tier 2)** Recycled water is used for landscape irrigation and/or for all water closets and urinals.

**A4.305.1** **A4.305.3 Graywater.** Alternative plumbing piping is installed to permit the discharge from the clothes washer or other fixtures to be used for an irrigation system in compliance with the *California Plumbing Code*.

**A4.305.2 Recycled water piping.** Based on projected availability, dual water piping is installed for future use of recycled water at the following locations:

1. Interior piping for the use of recycled water is installed to serve all water closets, urinals and floor drains.
2. Exterior piping is installed to transport recycled water from the point of connection to the structure. Recycled water systems shall be designed and installed in accordance with the *California Plumbing Code*.

**NOTE:**

Authority Cited: Health and Safety Code Sections 17040, 17050, 17921, 17921.5, 17921.10, 17922, 17922.6, 17922.12, 17927, 17928, 17959.6, 18300, 18552, 18554, 18620, 18630, 18640, 18670, 18690, 18691, 18865, 18871.3, 18871.4, 18873, 18873.1, 18873.2, 18873.3, 18873.4, 18873.5, 18938.3, 18944.11, and 19990; and Government Code Section 12955.1, and Water Code Section 14877.3, 13552.2, 13552.4, 13553.

Reference: Health and Safety Code Sections 17000 through 17062.5, 17910 through 17995.5, 18200 through 18700, 18860 through 18874, and 19960 through 19997; and Government Code Sections 12955.1 and 12955.1.1.