

Code Amendment Proposal Form

For public amendments proposed to the 2021 editions of the International Codes



Instructions: Upload this form and all accompanying documentation. If you are submitting your proposal on a separate sheet, make sure it includes all information requested below.

All proposals must be received by **July 23, 2021**.

CONTACT INFORMATION

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Organization or Representing Self: Western Resource Advocates

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Signature:

AMENDMENT PROPOSAL

Please use a separate form for each proposal.

- 1) Code(s) associated with this proposal. Please use acronym: DBC - IPC
If you submitted a separate coordination change to another code, please indicate which code: _____

<u>Acronym</u>	<u>Code Name</u>	<u>Acronym</u>	<u>Code Name</u>
DBC-AP	Denver Building Code—Administrative Provisions	IFC	International Fire Code
DBC-xxx	Denver Building Code—xxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)	IFGC	International Fuel Gas Code
IBC	International Building Code	IRC	International Residential Code
IEBC	International Existing Building Code	IMC	International Mechanical Code
IECC	International Energy Conservation Code	IPC	International Plumbing Code
		DGC	Denver Green Code

- 2) Please check here if a separate graphic file is provided:
Graphics may also be embedded within your proposal below.
- 3) Use this template to submit your proposal or attach a separate file, but please include all items requested below in your proposal. The only formatting needed is **BOLDING**, **STRIKEOUT** AND **UNDERLINING**. Please do not provide additional formatting such as tabs, columns, etc., as this will be done by CPD.

Code Sections/Tables/Figures Proposed for Revision:

- NEW:
 - Section 406.3 Water Consumption
 - Section 409.5 Water Consumption

Proposal:

Section 406: Automatic Clothes Washers

Section 406.3 Water Consumption is added as follows

Definitions:

water factor (WF):

- a. **clothes washer (residential and commercial):** the quantity of water in gallons (litres) used to wash each cubic foot (cubic metre) of machine capacity.
- b. **residential dishwasher:** the quantity of water use in gallons (litres) per full machine wash and rinse cycle.

406.3 Water Consumption. Clothes washers installed within dwelling units shall comply with the ENERGY STAR® Program Requirements for Clothes Washers or equivalent. =.

Clothes washers installed in publicly accessible spaces such as (multifamily and hotel common areas, and coin- and card-operated clothes washers of any size used in laundromats, shall have a maximum WF of 4.0 gal/ft³ of drum capacity normal cycle (0.53 L/L of drum capacity normal cycle).

Section 409 Dishwashing Machines

Section 409.5 Water consumption is added as follows

409.5 Water consumption. Dishwashers installed within dwelling units shall comply with the ENERGY STAR® Program Requirements for Dishwashers.

Dishwashers installed within commercial units shall comply with the ENERGY STAR® Program Requirements for Dishwashers or equivalent, or use auto-chlorination.

Supporting Information:

Purpose: The purpose of the proposed amendment is to encourage water efficiency in new development and redevelopment in Denver by instituting best management practices for indoor, outdoor, and onsite reuse practices. By reducing per capita water consumption, Denver can build water system resilience in the face of population growth and climate change.

Reasons: The Colorado River Basin is in the midst of an unprecedented drought and these conditions will only be exacerbated in the future by climate change and population growth. In the Front Range, water conservation is our most affordable and most reliable water supply option. Smart, integrated water and land use planning efforts today will help build water resource resiliency in Denver in the future.

Substantiation & Works Cited:

Encourage products that save water and energy. Many of these products offer lots of savings for the owners at little to no upfront price increase. This has been a part of the Denver Water System Development Pilot Program for several years and they have found that nearly all washer manufactures make washers that are compliant with theses standards.

Referenced Standards:

[Clothes Washers Key Product Criteria | Products | ENERGY STAR](#)

Note: List any new referenced standards that are proposed to be referenced in the code.

Impact:

Some of the proposed amendments listed above may result in modest increases in price for construction and design such as increased fixture/appliance costs, and increased costs of native, drought tolerant landscape design and installation. However, as noted above, these modest increases are far outweighed by the environmental and social benefits of water efficient new development.

Note: Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of construction: Increase Reduce No Effect
- The effect of the proposal on the cost of design: Increase Reduce No Effect

- Is the proposal more or less restrictive than the I-codes: More Less Same

Departmental Impact: (To be filled out by CPD staff)

Note: CITY STAFF ONLY. Discuss the impact of this proposal in this section AND indicate the impact of this amendment proposal for each of the following:

- The effect of the proposal on the cost of review: Increase Reduce No Effect
- The effect of the proposal on the cost of enforcement/inspection: Increase Reduce No Effect