

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

Name: Lindsay Rogers & John Berggren **Date:** 7/23/21 (reformatted proposal 11/5/21)
Phone: **E-mail:** lindsayrogers@westernresources.org
Organization or Representing Self: Western Resource Advocates

By signing below, I hereby grant and assign to City and County of Denver all rights in copyright I may have in any authorship contributions I make to City and County of Denver in connection with this proposal. I understand that I will have no rights in any City and County of Denver publications that use such contributions in the form submitted by me or another similar form and certify that such contributions are not protected by the copyright of any other person or entity.

Signature:

AMENDMENT PROPOSAL

Please use a separate form for each proposal.

- 1) Code(s) associated with this proposal. Please use acronym: DBC IPC, DGC
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
 - 1301.13 Landscape Water Budget

Proposal:

Chapter 202: Definitions:

hydrozone: an irrigated area of landscape in which the *plants* have similar water needs and are irrigated by the same type of emission devices.

landscape establishment period: a time period, beginning on the date of completion of permanent plantings and not exceeding 18 months, intended to allow the permanent landscape to become sufficiently established to remain viable.

Chapter 13 Landscape Water Budget is added as follows:

1301.13 Landscape Water Budget. All new or renovated landscaping must provide a landscape site plan that is 10 gallons per square foot or less water budget of potable water used per year. Alternative sources of water may be substituted to increase yearly water supply. Alternative sources shall be calculated in conjunction and approved by Denver Water and Denver Department of Transportation and Infrastructure. Site plans and water budgets require the following:

- a. Irrigation zones shall be based on *hydrozones* that are determined by high, medium or low water use.
- b. Irrigation type including spray heads, rotors or drip, and microspray.
- c. Nonpotable water source contribution by zone.
- d. Monthly irrigation run times by zone, post *landscape establishment period*. Irrigation run times by zones to be posted next to the irrigation controller.
- e. Monthly maintenance calendar based on plant type. Monthly maintenance calendar to be posted next to the irrigation controller.

Revise DGC:

601.1.1 (6.3.1) Site Water Use Reduction (Mandatory). The building *site* shall comply with Sections 601.3.1.1 and 601.3.1.2.

~~**Exception:** Provide a landscape site plan that is at ten gallons per square foot or less water budget of potable water used per year. Alternative sources of water may be substituted to increase yearly water supply. Alternative sources shall be calculated in conjunction and approved by Denver Water and Denver Public Works. Site plans and water budgets require the following:~~

- ~~a. Irrigation zones shall be based on *hydrozones* that are determined by high, medium or low water use.~~
- ~~b. Irrigation type including spray heads, rotors or drip, and micro spray.~~
- ~~c. Non potable water source contribution by zone.~~
- ~~d. Monthly irrigation run times by zone, post *landscape establishment period*. Irrigation run times by zones to be posted next to the irrigation controller.~~
- ~~e. Monthly maintenance calendar based on plant type. Monthly maintenance calendar to be posted next to the irrigation controller.~~

Other Regulations Proposed to be Affected

***For proposals to delete content from the 2019 Denver Green Code in conjunction with adding it to other mandatory Denver codes and/or regulations, only.**

Section above (revise DGC) shows content to be removed from the DGC. No other mandatory codes are suggested to be updated.

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. The water supply in Denver relies on transmountain diversions moving water from the West Slope of Colorado to the East side of the Continental Divide. With the dire state of the main reservoirs that serve the lower

