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, DGC
   If you submitted a separate coordination change to another code, please indicate which code: __________________________

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Code Name</th>
</tr>
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<tbody>
<tr>
<td>DBC-xxxx</td>
<td>Denver Building Code–xxxx (code) amendments</td>
</tr>
<tr>
<td>IBC</td>
<td>International Building Code</td>
</tr>
<tr>
<td>IEB</td>
<td>International Existing Building Code</td>
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<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
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</tbody>
</table>

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.

<table>
<thead>
<tr>
<th>Code Sections/Tables/Figures Proposed for Revision:</th>
</tr>
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<tbody>
<tr>
<td>• NEW</td>
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<tr>
<td>○ 1301.13 Landscape Water Budget</td>
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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 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.

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...
basin states we might be limited in the water that we can divert if there is a Colorado River Compact Call. We need codes that help encourage new methods of water conservation.

**Substantiation & Works Cited:**
This proposal was in the first version of the Denver Green Codes and has been a requirement of the Denver Water System Development Rebate Pilot for several years. It has been shown that all development types can meet the 10 gpf benchmark with relative ease, when helped by a certified landscape architect, so it should be a standard requirement of the DBC.

**Referenced Standards:**
Similar Standards used locally
- South Metro Model Regional Landscape & Irrigation Ordinance: [http://southmetrowater.org/education/resources/model-landscape-irrigation-ordinance](http://southmetrowater.org/education/resources/model-landscape-irrigation-ordinance)
- City of Aspen Water Efficient Landscape Standards: [https://www.cityofaspen.com/199/Landscape-Ordinance](https://www.cityofaspen.com/199/Landscape-Ordinance)

**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