

# 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
  - Chapter 1301.14 : Sub-Metered Irrigated Landscape Thresholds

### Proposal:

Sub-Metered Irrigated Landscape Thresholds is added as follows:

**1301.14 Sub-Metered Irrigated Landscape Thresholds:** Irrigated landscape area greater than 25,000 square feet shall have a master valve with flow sensors and/or landscape areas shall be sub-metered with equipment that can remotely measure and transmit water use data. If a flow meter is used, then the controller shall be able to use inputs from the flow meter/sensor to control irrigation if flows are abnormal.

**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:**

Dedicated meters for irrigation or submetering irrigation is required for long term management of efficient irrigation use. Dedicated irrigation meters or submeters are designed to support the Landscape Water Budget code proposal. By having a meter/sub-meter/flow sensor dedicated to irrigation use a customer can better understand if they are being efficient with their water use. Both codes linked below recommend that any nonresidential landscape area or any landscape >5000 square feet have a dedicated meter/submeter.

- South Metro Model Regional 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>

**Referenced Standards:**

**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