

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: City and County of Denver Dept. of Transportation and Infrastructure

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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: 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-xxxx	Denver Building Code–xxxx (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:

- DGC 2019 – Chapter 3 – Definitions
- DGC 2019 – Chapter 6 – Water Use Efficiency; Table 601.3.4.1A (6.3.4.1A)

Proposal:

1. Update Denver Green Code
2. Revise as Follows: Chapter 3 – Definitions (DGC)
3. Add definition for runoff harvesting:

- a. **“runoff harvesting: the use of site design practices to intentionally route stormwater to a landscape area or stormwater management system such that it reduces the irrigation demand of the area receiving the stormwater. Runoff harvesting is an alternative source of water.”**

4. Revise as Follows: Chapter 6 – Water Use Efficiency (DGC)

a. **Consumption Management**

- i. **DGC Current:** “Measurement devices with remote capability shall be provided to collect water use data for each water supply source (Informative Note: e.g., potable water, reclaimed water, rainwater) to the building project that exceeds the thresholds listed in Table 601.3.4.1A (6.3.4.1A). Utility company service entrance/interval meters are allowed to be used.”

TABLE 601.3.4.1A (TABLE 6.3.4.1A)
WATER SUPPLY SOURCE MEASUREMENT THRESHOLDS

WATER SOURCE	MAIN MEASUREMENT THRESHOLD
Potable water	1000 gal/day (3800 L/day)
Municipally reclaimed water	1000 gal/day (3800 L/day)
Alternate sources of water	500 gal/day (1900 L/day)

- ii. **DGC Update:** Add exception to Table 601.3.4.1A that excludes runoff harvesting as an alternative water source from measurement:

“Alternative sources of water, **excluding runoff harvesting**”

Supporting Information:

Purpose: The purpose of the proposed amendment is to encourage outdoor water efficiency in new development and redevelopment in Denver through using runoff harvesting. 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:

- EPA WaterSense Indoor Fixture Standards: <https://www.epa.gov/watersense/product-specifications>
- EPA WaterSense Irrigation Controller Standards: <https://www.epa.gov/watersense/watersense-labeled-controllers>
- 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 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