Code Amendment Proposal Form
For public amendments proposed to the 2018 editions of the International Codes

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

All proposals must be received by **April 26, 2019.**

---

**CONTACT INFORMATION**

Name: Sean Denniston   Date: 4/25/2019
Phone: 503-761-7339 x108   E-mail: sean@newbuildings.org
Organization: New Buildings Institute

I, Sean Denniston, 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: [Signature]

Co-proposed by: Amber Wood, Denver Department of Public Health and Environment
Jim Meyers, Southwest Energy Efficiency Project

---

**AMENDMENT PROPOSAL**

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym:

IECC

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>
</thead>
<tbody>
<tr>
<td>DBC-xxxx</td>
<td>Denver Building Code–xxxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)</td>
</tr>
<tr>
<td>IBC</td>
<td>International Building Code</td>
</tr>
<tr>
<td>IEBC</td>
<td>International Existing Building Code</td>
</tr>
<tr>
<td>IECC</td>
<td>International Energy Conservation Code</td>
</tr>
</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.

**Code Sections/Tables/Figures Proposed for Revision:**
IECC CA103.6

**Proposal:**
Add new text as follows:

**CA103.6 Interconnection pathway.** The building shall be provided with conduit or piping from the solar-ready zone to the electrical service panel and electrical energy storage system area, or service hot water system.

**CA103.7 Electrical service reserved space.** The main electrical service panel shall have a reserved space to allow for installation of a dual-pole circuit breaker for future solar electric and a dual-pole circuit breaker for future electrical energy storage system installation. These spaces shall be labeled “For Future Solar Electric and Storage.” The reserved spaces shall be positioned at the end of the panel that is opposite from the panel supply conductor connection.

**Supporting Information:**

**Purpose:**

The purpose of this proposal is to modify Appendix CA to create requirements that will make it easier to add onsite storage to buildings in the future.

**Reason:**

Appendix CA in IECC-commercial and Appendix RB in IECC-residential have proven useful for jurisdictions seeking to add solar ready provisions to state or local codes. As many jurisdictions in which the appendices are being considered are also facing current or future constraints on electric grid capacity to accommodate existing and new distributed solar generation resources, policy objectives are emerging to support the storage of energy produced by solar panels and shift its temporal impact on the grid.

This proposal modifies Appendix CA provisions to require conduit from a future battery location to the solar ready zone to the building electrical panel and that the panel has enough physical space to connect the battery in the future. As with the rationale for solar ready, it is generally much more cost-effective at the time of new construction to design for future installation of this equipment than it is to retrofit later in the building's life.

**Referenced Standards:**

NA

**Impact:**

The effect of the proposal on the cost of construction: ☒ Increase ☐ Reduce ☐ No Effect

- The proposal will increase the cost of construction, but the additional materials required are minor.

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