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: Group14 Engineering

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Signature: Celeste Cizik

AMENDMENT PROPOSAL

Please use a separate form for each proposal.

1) Code(s) associated with this proposal. Please use acronym: 2021 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</td>
</tr>
<tr>
<td></td>
<td>(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**, **STRIKE** 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:
Section C405.12 Energy Monitoring

Note: If the proposal is for a new section, indicate (new).

Proposals:
C405.12.2 Exception 3 revise as follows:

3. End-use metering shall not be required for an individual tenant space having a floor area not greater than 2,500 5,000 square feet where a dedicated source meter complying with Section C405.12.2 is provided.

C405.12.5 Graphical energy report add new text as follows:

A permanent and readily accessible reporting mechanism shall be provided in the building that is accessible by building operation and management personnel. A web-based software platform accessible by building operation and management
personnel is also an acceptable reporting mechanism. The reporting mechanism shall have the capability to graphically provide the energy consumption for each end-use category required by Section C405.12.2 at least every hour, day, month and year for the previous 36 months.

**Supporting Information:**

**Purpose:**
C405.12.2 revise the exception

C405.12.5 clarify the language

**Reasons:**
C405.12.2 – The beginning of C405.12 starts with an exception for tenant spaces and R-2 occupancies less than 5,000 square feet. The exception in C405.12.2 going down to 2,500 square feet for end use metering seems inconsistent with the first exception. Additionally, having end use metering and monitoring for tenant spaces under 5,000 square feet will increase costs to the project and will not add significant value. It is unlikely that a building manager will be able to analyze and utilize end-use information down to this granular level so this additional monitoring is not expected to reduce energy use.

C405.12.5 – The language in the graphical energy report currently states that a permanent reporting mechanism must be provided in the building. Modern energy monitoring systems are frequently web-based and can be accessed from any computer with internet access. Web-based systems allow for robust information, analysis, and reporting with software that can be updated with additional features over time. Having a physical machine in the building for reporting purposes is not necessary. The sentence added clarifies that having a web-based meter monitoring system is acceptable.

**Referenced Standards:**
N/A

**Note:** List any new referenced standards that are proposed to be referenced in the code.

**Impact:**

**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