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
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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:

Acronym Code Name
DBC-AP Denver Building Code–Administrative
Provisions
DBC-xxxx Denver Building Code–xxxx (code) amendments (e.g., DBC-IBC, DBC-IEBC)
IBC International Building Code
IEBC International Existing Building Code
IECC International Energy Conservation Code

Acronym Code Name
IFC International Fire Code
IFGC International Fuel Gas Code
IGCC International Green Construction Code
IMC International Mechanical Code
IPC International Plumbing Code
IRC International Residential 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:
IECC C406.10 (new)

Proposal:
Add new text as follows:

**C406.10 Controlled Receptacles.** At least 50 percent of all 125 volt 15- and 20-ampere receptacles installed in private offices, open offices, conference rooms, breakrooms, individual workstations, and classrooms, including those installed in modular partitions and modular office workstation systems, shall be controlled as required by this section. Either split receptacles shall be provided, with the top receptacle(s) controlled, or a controlled receptacle shall be located within 12 inches (0.3 M) of each uncontrolled receptacle. Alternatively, non-controlled receptacles in a single modular workstation located not more than 72 inches from a controlled receptacle serving that workstation. Controlled receptacles shall be visibly differentiated from standard receptacles and shall be controlled by one of the following automatic control devices:

1. An occupant sensor that turns receptacle power off when no occupants have been detected for a maximum of 20 minutes, or
2. A time-of-day operated control device that turns receptacle power off at specific programmed times and can be programmed separately for each day of the week. The control device shall be capable of providing an independent schedule for each portion of the building not to exceed 5,000 square feet (2,300 m²) and not to exceed one full floor. The device shall be capable of being overridden for periods of up to two hours by an override switch accessible to occupants. Any individual override switch shall control the controlled receptacles for a maximum area of 5,000 square feet (460 m²).

**Exception:** Receptacles designated for specific equipment requiring 24-hour operation, for building maintenance functions, or for specific safety or security equipment.

**Supporting Information:**

**Purpose:**

The purpose of this proposal is to add an additional option to Section C406 to provide greater flexibility.

**Reason:**

The code change proposal would provide a credit if occupancy sensor or a time-of-day control devices are placed on 50% of receptacles installed in private offices, open offices, conference rooms, breakrooms, individual workstations, and classrooms, including those installed in modular partitions and modular office workstation systems. This proposed option is designed to be consistent with the C406 Points Option submitted in another proposal and is based on the PNNL Technical Brief “Relative Credits for Extra Efficiency Code Measures” which can be accessed at http://www.pnnl.gov/main/publications/external/technical_reports/PNNL-28370.pdf.

This measure provides more flexibility to building designers when it is added to the energy efficiency credit choices. The recommended language requires location of controlled receptacles adjacent to non-controlled receptacles. That requirement would avoid “daisy chained” power strips and extension cords from the noncontrolled receptacles to their office equipment to avoid their equipment from being automatically turned off. The recommended language was adopted by the Seattle Nonresidential Energy Code and would require that either a split receptacle be installed that would contain both a controlled and uncontrolled receptacle, or the uncontrolled receptacle be located no more than 12” from the controlled receptacle.

**Referenced Standards:**

NA

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

**Impact:**

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

- Since this proposal adds another option, it does not increase the cost of construction and may actually decrease it in some circumstances.

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