



International Code Council IECC Commercial Consensus Committee Draft Meeting Minutes

Meeting Date: June 8, 2022

Committee Chair: Duane Jonlin

Committee Vice Chair: Emily Hoffman

1. Call to order. The meeting was called to order at approx. 2:01 pm Eastern Time.

2. Roll Call. Chair Duane Jonlin, Vice-Chair Emily Hoffman, Ali Alaswadi, Danielle Ashley, John Bade, Jack Bailey, Matt Belcher, Richard Burton, Payam Bozorgchami, Diana Burk, Kim Cheslak (alt), Zepherinus Church Norbert, Chris Clausing, Thomas Culp, John Dalzell, Greg Eades, Anthony Floyd, Stephen Harris, Bryan Holland, Greg Johnson, Michael Jouaneh, Andrew Klein, Vladimir Kochkin, Emily Lorenz, Vincent Martinez (alt), Hope Medina, Don Mock, Melissa Moseley, Susan Musngi, Dan Nall, Christopher Perry (alt), Darren Port, Kevin Rose, Michael Rosenberg (alt), Steve Rosenstock, Robert Ross, Thomas Schultz, Blake Shelide, Amin Tohmaz, Michael Tillou, Michael Waite, Jeremy Williams, James Yeoman

Committee members in attendance: (44 in attendance 1 absent)

Not in attendance: Adrian Jones, Gina Bocra (alt), Scott Brooks, Paula Cino (alt), Charles Eley, , Drake Erbe, David Goldstein, Laura Petrillo-Groh, Glenn Heinmiller (alt), Lauren Urbanek (alt), Amber Wood (alt)

ICC Staff in attendance:

Kris Stenger, Ed Wirtshoreck, Ryan Colker, Jerica Stacey

3. Approval of the Minutes from 5/25-Motion to approve by Anthony Floyd. Second by Matt Belcher. Approved unanimously.

4. Approval of Agenda-request from John Bade to move CEPI-65-21 in front of CEPI-64-21. Motion by John Bade to approve agenda. Approved unanimously.

5. Progress indicators-Emily Hoffman

6. Administrative items-none at this time

7. Three minutes of fame-Andrew Klein

8. Action Items

a) Code Change Proposals

- 1) CEPI-7-21 (Energy Storage Ready) proponent Kim Cheslak. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is as modified. Additional modification by Greg Johnson to improve wording of last sentence of C405.15.2.2 and to change 'area' to 'gross conditioned floor area'. Reason: This proposal will reduce the future cost of installing ESS by requiring ESS-ready criteria. Motion to approve as modified passes 23-13.
- 2) CEPI-133-21 (Lighting general scope) proponent Jack Bailey. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is as modified. Reason: Provides clarity to scope of C405. Motion to approve as modified passes 36-0.
- 3) CEPI-146-21 Part I (EV Infrastructure) proponent Sharon Bonesteel. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is to disapprove. Reason: Based on the actions already taken on the consensus proposal CECPI-1-21. Motion to disapprove 36-0.
- 4) CEPI-162-21 (Daylight responsive controls) proponent Emily Toto. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is to disapprove. Reason: proposed wattage limits are not demonstrated to be cost effective and concerns exist related to the current exceptions. Motion to disapprove passes 35-0-1.
- 5) CEPI-164-21 (Daylighting controls) proponent Megan Hayes/Bryan Holland. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is as modified. Reason: The revised proposal more closely matches the daylighting requirements in ANSI/ASHRAE/IES Standard 90.1 and leads to more energy savings in IECC. Motion to approve as modified passes 33-2.
- 6) CEPI-167-21 (Daylight zones and envelope sections) proponent Jack Bailey. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is as submitted. Reason: Makes necessary editorial corrections in this section. Motion to approve passes 36-0.
- 7) CEPI-192-21 (Transformers) proponent Emily Toto. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is to approve. Reason: This will update the language for transformers to align with ASHRAE 90.1 and includes a footnote to clarify efficiency requirements for other transformers. Motion to approve passes 34-0-2.
- 8) CEPI-230-21 (Lighting for alterations) proponent Glenn Heinmiller. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is to disapprove. Reason: Does not bring many spaces with lighting alterations up to base code efficiency requirements. Motion to disapprove passes 29-3-2.
- 9) CEPI-231-21 (Alterations lighting control upgrades) proponent Sean Denniston. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is

to disapprove. Reason: There are issues with the clarity of the provisions in terms of interpretation and enforcement. Motion to disapprove passes 33-1-2.

- 10) CEPI-233-21 (Solar Ready-storage ready removed) proponent Joe Cain. Introduction by Michael Jouaneh, chair of Electrical Power, Lighting, and Renewables subcommittee. Motion by the subcommittee is to disapprove. Reason: Based on prior action on CEPI-7-21. Motion to disapprove passes 35-1.
- 11) CEPI-16-21 Part I (Fenestration definition) proponent SEHPCAC introduced by Greg Johnson. Introduction by Tom Culp, chair of Envelope and Embodied Energy Subcommittee. Motion by the subcommittee is to approve as modified. Reason: To provide consistency between the definitions of fenestration used in the IECC and ASHRAE 90.1. Modification makes sure the air leakage requirement still applies to opaque doors. Motion to approve as modified 35-0.
- 12) CEPI-20-21 (Project size U factors) proponent Helen Sanders. Introduction by Tom Culp, chair of Envelope and Embodied Energy Subcommittee. Motion by the subcommittee is to disapprove. Reason: The language lacks clarity in application and will potentially confuse users. It needs better correlation with C407. Motion to disapprove passes 28-6.
- 13) CEPI-53-21 (Fenestration U-factors in Group R) proponent Kim Cheslak. Introduction by Tom Culp, chair of Envelope and Embodied Energy Subcommittee. Motion by the subcommittee is to disapprove. Reason: The proposal does not align with the IECC-R values and provides no cost justification for changes in requirements. Motion to table for one hour to work on modification by Emily Hoffman. Second by Diana Burk. Motion to table passes 18-14.
- 14) CEPI-221-21 (Alterations building envelope) proponent Jay Crandell. Introduction by Tom Culp, chair of Envelope and Embodied Energy Subcommittee. Motion by the subcommittee is to approve as modified. Reason: Provides improved clarity and application of existing building envelope alteration requirements with flexibility. Motion to approve as modified passes 31-1-1.
- 15) CEPI-65-21 (Operable opening interlocking) proponent Lisa Rosenow. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Reason: proposal supports increased energy efficiency around the building envelope through operable openings. Motion to approve as modified passes 33-0.
- 16) CEPI-64-21 (HVAC operable opening exception) proponent Glory O'Brien. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to disapprove. Reason: this proposal is no longer needed since intent has been covered already in previous committee action of CEPI-65 approval as modified. Motion to disapprove passes 33-0.
- 17) CEPI-123-21 (Bathroom intermittent exhaust control) proponent Glory O'Brien. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified.

Reason: this proposal will reduce energy consumption and unnecessary infiltration in buildings. Motion to approve as modified passes 31-0.

Three minutes of fame-Thomas Schultz

- 18) CEPI-120-21 (Central fan integrated efficacy) proponent Mike Moore. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Reason: per the proponent's reason statement submitted. Motion to approve as modified passes 33-1.
- 19) CEPI-128-21 (Water heater efficiency high capacity) proponent Emily Toto. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Additional modification by Greg Johnson to replace "minimum" with "not less than." Additional modification to edit "Where multiple pieces are..." Reason: per the proponent's reason statement submitted. Motion to approve as modified passes 32-0-1.
- 20) CEPI-80-21 (Pipe insulation protection) proponent Howard Ahern. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Reason: This proposal will clarify the intent of Section C403.12.3. The intent of these sections is not only protection of pipe insulation from weather but to insure the insulations thermal conductivity energy savings integrity lasts the life of the mechanical system as per the intent of the code. Motion to approve as modified passes 31-0-1.
- 21) CEPI-79-21 (Minimum pipe insulation thickness) proponent Howard Ahern. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Reason: per the proponent's reason statement submitted. Motion to approve as modified passes 30-0.
- 22) CEPI-125-21 (Grid integrated water heating) proponent Kim Cheslak. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Additional modification to add "Manufactured" Before and "Manufactured On or After" in the table. Reason: Grid-interactive end uses present an opportunity to help homes manage their bills, participate in programs, and support efficient grid operations. Water heaters can provide many services to the grid, including generation, transmission, and distribution capacity, energy arbitrage, and ancillary services. Motion to approve as modified passes 28-3-1.
- 23) CEPI-131-21 (Service water heating pump) proponent Lisa Rosenow. Introduction by John Bade, chair of HVACR & Water Heating Subcommittee. Motion by the subcommittee is to approve as modified. Reason: The use of thermostatic balancing valves optimizes hot water flow to each zone in multiple zone or multiple riser systems and reduces waste of heated water. Motion to approve as modified passes 27-0-2.
- 24) CEPI-53-21 (Fenestration U-factors in Group R) proponent Kim Cheslak. Introduction by Tom Culp, chair of Envelope and Embodied Energy Subcommittee. Updated modification presented by proponent. does not

align with the IECC-R values and provides no cost justification for changes in requirements. Motion to disapprove passes 25-8-2.

9. Subcommittee Reports

- a) Envelope and Embodied Energy-Emily Lorenz, vice chair of subcommittee-completed their work at last meeting.
- b) Electrical Power, Lighting and Renewables-Michael Jouaneh chair of subcommittee- finished up the recommendations on public input. Will continue to meet to work on committee proposals.
- c) HVACR & Water Heating-John Bade chair of subcommittee-3 proposals remaining with a meeting on 6/9
- d) Modeling, Whole Building Metrics-Greg Eades chair of subcommittee- completed their work at last meeting.
- e) Construction Cost & LCC Advisory Group-Michael Tillou chair of advisory committee-have completed their current assignments with no future meetings scheduled at this time.

11. Other Business-staff noted that June 22 meeting balloting process of Public Comment Draft #1 will be covered. Staff also noted that comments/proposal to Public Comment Draft #1 will require 2/3 approval of the consensus committee to be included in Public Comment Draft #2.

12. Upcoming meetings. The next meeting will be Wednesday, June 15 at 2 pm Eastern Time

13. Adjourn. The meeting was adjourned at approx. 4:33 pm Eastern time.

FOR FURTHER IECC Commercial INFORMATION BE SURE TO VISIT THE ICC WEBSITE:
[IECC Commercial Website](#)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:
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