



International Code Council IECC Commercial Consensus Committee Draft Meeting Minutes

Meeting Date: May 4, 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, Jack Bailey, Matt Belcher, Zepherinus Church Norbert, Payam Bozorgchami, Scott Brooks, Diana Burk, Kim Cheslak (alt), Chris Clausing, Thomas Culp, John Dalzell, Greg Eades, Charles Eley, Drake Erbe, Anthony Floyd, David Goldstein, Glenn Heinmiller (alt), Bryan Holland, Greg Johnson, Adrian Jones, Michael Jouaneh, Andrew Klein, Vladimir Kochkin, Emily Lorenz, Hope Medina, Don Mock, Melissa Moseley, Susan Musngi, Dan Nall, Christopher Perry (alt), Laura Petrillo-Groh, Darren Port, Kevin Rose, Michael Rosenberg (alt), Steve Rosenstock, Robert Ross, Thomas Schultz, Blake Shelide, Michael Tillou, Amin Tohmaz, Michael Waite, Jeremy Williams, James Yeoman

Committee members in attendance: (43 in attendance 2 absent)

Not in attendance: Gina Bocra (alt), Richard Burton, Paula Cino (alt), Stephen Harris, Vincent Martinez (alt), Lauren Urbanek (alt), Amber Wood (alt)

ICC Staff in attendance:

Kris Stenger, Mike Pfeiffer, Ed Wirtshoreck, Ryan Colker, Dave Walls, Joseph Sollod, Jerica Stacey

3. Approval of the Minutes from 4/20-Motion to approve by Emily Lorenz. Second by Anthony Floyd. Approved unanimously.
4. Approval of Agenda-motion by Dan Nall. Second by Steve Rosenstock. Approved unanimously
5. Progress indicators-Emily Hoffman
6. 3 minutes of fame – Dan Nall
7. Administrative items-none at this time
8. Action Items
 - a) Code Change Proposals

- 1) CEPI-117-21(ERV other spaces) proponent Glory O'Brien. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to disapprove. Reason: This proposal would create a total disconnect between ASHRAE 90.1 and the current provisions in the IECC. There is no cost effectiveness to support this proposal, no justification analysis. Motion to disapprove passes 29-0.
- 2) CEPI-103-21(Economizer exception) proponent John Bade. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to approve as modified. Reason: proposal provides an exception for small units being used with DOAS and expands exception to WSHPs. Motion to approve as modified passes 29-0.
- 3) CEPI-104-21(Economizer exception) proponent Glory O'Brien. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to disapprove. Reason: Proposal is no longer necessary due to subcommittee action on CEPI-103. Motion to disapprove passes 32-0.
- 4) CEPI-116-21(Exhaust air recovery) proponent Emily Toto. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to approve. Reason: This proposal revises two exceptions to the requirement to use energy recovery. One change limits the exception for solar heating to cooler climates. The second clarifies the exemption for the use of "energy recovery in series with the cooling coil" by creating a new definition for series energy recovery. This definition is required because some users of the standard have confused condenser heat recovery and site-recovered energy with series energy recovery. They are quite different. There is also a new definition that defines the performance of series energy recovery. The purpose is to ensure that the series energy recovery system performs well enough to justify allowing it to be used in lieu of conventional energy recovery. Motion to approve passes 31-0.
- 5) CEPI-115-21(Enthalpy recovery) proponent Glory O'Brien. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to disapprove. Reason: clarifications are unnecessary, proposal attempts to over-clarify and over-explain code requirements. Motion to disapprove passes 32-0.
- 6) CEPI-74-21(Roof curbs) proponent Justin Koscher. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to disapprove. Reason: This proposal is difficult for manufacturers to anticipate and problematic for the owner. Motion to disapprove passes 17-14-2.
- 7) CEPI-81-21(Equipment curbs) proponent Glory O'Brien. Introduced by John Bade, chair of HVACR and Water Heating subcommittee. The motion by the subcommittee was to disapprove. Reason: Curb leakage is important, but this is not the right way to address it. No way to apply SMACNA duct leakage test to a curb and actually get a useful test out of it. Intent of proposal may be reasonable, but application is problematic. Motion to disapprove passes 34-0-2.
- 8) CEPI-211-21(Performance mechanical ventilation) proponent Anurag Goel. Introduction by Greg Eades, chair of Economics, Modeling, Metrics

- Subcommittee. Motion by subcommittee was approved as modified. Motion to table by Greg Eades until the next meeting in order to provide updated language. Second by John Bade. Motion to table passes 29-7.
- 9) CEPI-213-21 (Performance ventilation) proponent Mike Moore. Introduction by Greg Eades, chair of Economics, Modeling, Metrics Subcommittee. Motion by subcommittee was to disapprove. Reason: proposal has been integrated into CEPI-211-21. Motion to disapprove passes 31-0.
 - 10) CEPI-11-21 Part I (Attic definition) proponent Darren Meyers. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to disapprove. Reason: Proposed definition of attic is inconsistent with both IBC and IRC definitions. Suggest definition from IBC be used and technical limitations on the 'dropped ceiling' circumstance be addressed in the body of the code. Motion to disapprove passes 31-0.
 - 11) CEPI-39-21 (R Value Table Wall naming) proponent Jay Crandell. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to disapprove. Reason: Need to coordinate this with U-factor table. Also, for some, this table is used for the other category. Motion to disapprove passes 21-17.
 - 12) CEPI-48-21 (Airsapces) proponent Amanda Hickman. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to approve as modified. Reason: Clarifies what systems can use standard R-values. Motion to approve as modified passes 35-0.
 - 13) CEPI-49-21 (Airsapces) proponent Martha Vangeem. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to disapprove. Reason: based upon recommendation for CEPI-48-21. Motion to disapprove passes 37-0.
 - 14) CEPI-44-21 (Thermal Resistance of Spandrel Panels) proponent Duncan Brown. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to approve as modified. Reason: It provides reasonable guidance on how to assess the thermal performance of spandrel assemblies that is not previously available and can cause problems with consistency. Motion to approve as modified passes 35-0-1.
 - 15) CECPI-4-21 (Thermal Bridging) proponent Envelope Subcommittee. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to approve as modified. Reason: In addition to the detailed reason statement in the proposal, CECPI-4 addresses a significant thermal performance degradation which is currently ignored and impacts the energy performance of buildings. Motion to approve as modified passes 24-10-4.
 - 16) CEPI-33-21 (Thermal Bridging) proponent Jay Crandell, CEPI-40-21 (Thermal Bridging Continuous Insulation) proponent Paula Zimin, CEPI-45-21 (Thermal Bridging) Helen Sanders. Introduction by Tom Culp, chair of the Envelope and Embodied Energy subcommittee. Motion is to disapprove. Reason: based upon recommendation on CECPI-4-21. Motion to disapprove CEPI-33/CEPI-40/CEPI-45 passes 34-2-1.

9. 3 Minutes of Fame-Blake Shelide

10. Action Items

a) Code Change Proposals

- 17) CEPI-169-21(Lighting guestroom controls) proponent Michael Jouaneh. Introduced by Michael Jouaneh, chair of Electrical Power, Lighting, Renewables subcommittee. The motion by the subcommittee was to approve as modified. Additional modification to replace bullets with numbers (editorial) Reason: Proposal will increase the energy savings from guest rooms. Motion to approve as modified passes 35-3-1.
- 18) CEPI-177-21(Total connected lighting power) proponent Glenn Heinmiller. Introduced by Michael Jouaneh, chair of Electrical Power, Lighting, Renewables subcommittee. The motion by the subcommittee was to approve as modified. Reason: Aligns language with 90.1 and adds new language consistent with the International Building Code. Motion to approve as modified passes 36-0.
- 19) CEPI-138-21(Energy monitoring) proponent Kim Cheslak. Introduced by Michael Jouaneh, chair of Electrical Power, Lighting, Renewables subcommittee. The motion by the subcommittee was to approve as modified. Reason: Based on the reason statement provided by the proponent, it improves the use of energy for buildings with a smaller overall size. Motion to approve as modified passes 22-17.
- 20) CEPI-139-21(Energy monitoring) proponent Steven Rosenstock. Introduced by Michael Jouaneh, chair of Electrical Power, Lighting, Renewables subcommittee. The motion by the subcommittee was to disapprove. Reason: Based on the recommendation for CEPI-138 and the proposed values are a rollback of stringency of current values. Motion to disapprove passes 31-7.
- 21) CEPI-141-21(Energy monitoring plug loads) proponent Steven Rosenstock. Introduced by Michael Jouaneh, chair of Electrical Power, Lighting, Renewables subcommittee. The motion by the subcommittee was to disapprove. Reason: This proposal would create a rollback in terms of stringency and ignores significant energy use of plug loads. Motion to disapprove passes 29-8-1.
- 22) CEPI-140-21, CEPI-10-21, CEPI-168-21 moved to the May 11th agenda.

11. Subcommittee Reports

- a) Envelope and Embodied Energy-Tom Culp chair of subcommittee-on pace to complete their reviews.
- b) Electrical Power, Lighting and Renewables-Michael Jouaneh chair of subcommittee-have 17 proposals left. Have added two additional meetings in ensure completion by the end of the month
- c) HVACR & Water Heating-John Bade chair of subcommittee-20 proposals remaining with two meetings left. Will need to add an extra meeting most likely
- d) Economics, Modeling, Whole Building Metrics-Charles Eley vice chair of the subcommittee-working groups are moving combined proposals through. Hoping to keep pace with an early June timeline.
- e) Construction Cost & LCC Advisory Group-Michael Tillou chair of advisory committee-look to bring forward to an upcoming meeting of the consensus committee for consideration optional criteria to document social cost of carbon.

12. Other Business-none at this time

13. Upcoming meetings. The next meeting will be Wednesday, May 11 from 2:30 to 4:00 pm Eastern Time

14. Adjourn. The meeting was adjourned at approx. 5:00 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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