



International Code Council IECC Commercial Consensus Committee Draft Meeting Minutes

Meeting Date: March 23, 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, Scott Brooks, Kim Cheslak (alt), Zepherinus Church Norbert, Diana Burk, Richard Burton, Chris Clausing, Thomas Culp, John Dalzell, Charles Eley, Drake Erbe, Anthony Floyd, David Goldstein, 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), Laura Petrillo-Groh, Darren Port, Kevin Rose, Michael Rosenberg (alt), Steve Rosenstock, Robert Ross, Blake Shelide, Michael Tillou, Michael Waite, James Yeoman

Committee members in attendance: (42 in attendance 11 absent)

Not in attendance: Gina Bocra (alt), Paula Cino (alt), Greg Eades, Glenn Heinmiller (alt), Thomas Schultz, Amin Tohmaz, Lauren Urbanek (alt), Jeremy Williams, Amber Wood (alt)

ICC Staff in attendance:

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

3. Approval of the Minutes from 3/16-Motion to approve by Greg Johnson. Second by Steve Rosenstock. Approved unanimously.
4. Approval of Agenda-Motion to approve by Steven Rosenstock second by Matt Belcher. Request by John Bade to move CEPI-101 after CEPI-108. Approved unanimously.
5. Introduction of John Bade onto the Consensus Committee. Mr. Bade appointed chair of the HVACR and Water Heating Subcommittee.
6. Discussion on formation of Environmental Justice Advisory Group. Chair directed Ali Alaswadi to lead the group.
7. 3 minutes of fame – Darren Port
8. Action Items

a) Code Change Proposals

- 1) CEPI-50-21(Cool Roof) proponent Kim Cheslak. Introduced by Tom Culp chair of Envelope subcommittee. As recommended by subcommittee motion to disapprove. Reason: There is concern about negative impact to energy savings in CZ 4&5, as well as concerns about cost effectiveness. There is also a concern about durability and maintenance in colder climates. Motion to disapprove passes 20-17-1.
- 2) CEPI-73-21 (Flexible Facilities) proponent Bryan Holland. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to disapprove. Reason: This proposal should be presented to the IMC with enforceable requirements. Motion to disapprove passes 31-2.
- 3) CEPI-86-21 (Fault Detection and Diagnostic) proponent Amy Boyce. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve. Motion to approve passes 30-0.
- 4) CEPI-98-21 (Dedicated Outdoor Air Systems) proponent Mark Lyles represented by Diana Burk. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to disapprove. Reason: the proposal is too encompassing for too many climate zones and is limiting of system types. Motion to disapprove passes 29-1-2.
- 5) CEPI-109-21 (Demand Control Ventilation) proponent Chris Perry. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to disapprove. Reason: CEPI-109 has been incorporated into CEPI-110. Motion to disapprove passes 34-0.
- 6) CEPI-110-21 (HVAC Demand Control Ventilation) proponent Mike Kennedy. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve as modified. Reason: This proposal clarifies where demand-controlled ventilation (DCV) is required. It also improves the exceptions related to energy recovery. Motion to approve as modified passes 34-0.
- 7) CEPI-9-21 (Kitchen Exhaust) proponent Nicolas O'Neil. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve as modified. Reason: based on reason statement in the proposal. Motion to approve as modified passes 31-2.
- 8) CEPI-14-21 (Dedicated Outdoor Air System) proponent Nicolas O'Neil. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve as modified. Reason: Both DOAS and DX-DOAS terms are used in the IECC (in C403 and C406) but do not have definitions explaining what they are. These definitions are added to provide clarity when talking about DOAS and are copied from common definitions used in ASHRAE 90.1, the WA State Energy Code, and Title 24. Motion to approve as modified passes 32-0.
- 9) CEPI-76-21 (HVAC Total System Performance) proponent Chris Perry. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve as modified. Updated modification shown on screen motioned to approved by John Bade. Second by Michael Tillou. Motion to approve new modification as shown on screen passes 20-10. Motion to approve as modified passes 23-6-1.

- 10) CEPI-97-21 (Boiler Controls) proponent Nicolas O’Neil. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve as modified. Reason: Boiler oxygen controls, combustion air controls, and variable fan motors have been commonplace in state codes on larger boilers for quite some time. This proposal would align existing requirements in state codes with IECC. The effect will be an improvement in the part-load operation of larger boilers. Motion to approve as modified passes 27-2-1.
- 11) CEPI-101-21 (Occupied Standby Controls) proponent Emily Toto. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to disapprove. Reason: Duplicative of actions taken on CEPI-108, not needed. Motion to disapprove passes 29-0.
- 12) CEPI-105-21 (DX Condenser Fan Control) proponent Glory O’Brien. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to disapprove. Reason: Proposal violates preemption and is not well crafted for enforcement. Motion to disapprove passes 29-0-2.
- 13) CEPI-107-21 (Direct Digital Control Airflow) proponent Emily Toto. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve. Reason: Subcommittee referred to the reason statement in the original proposal. To summarize, this proposal modifies language for options to determine minimum air for each zone in a VAV system. The revised language is supported by studies and research showing the current language and practice often leads to oversizing systems. This proposal is expected to both reduce energy costs and improve comfort. Motion to approve passes 29-2.
- 14) CEPI-108-21 (Ventilated Occupied Standby Control) proponent Jon McHugh. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve. Motion to by Greg Johnson to strike the words “with ASHRAE Guideline 36 or” and strike the new reference standard to ASHRAE Guideline 36. This is due to concern that ASHRAE Guideline 36 is not written in enforceable language per Council Policy 28. Second by James Yeoman. Modification passes 17-8. Motion to approve as modified passes 25-3-1.
- 15) CEPI-222-21 (Roof Replacement) proponent Bill McHugh. Introduced by Emily Lorenz vice chair of Envelope subcommittee. As recommended by subcommittee motion to disapprove. Reason: to be consistent with action taken on CEPI-225. Motion to disapprove passes 29-0-1.
- 16) CEPI-223-21 (Roof Replacement) proponent Darren Meyers. Introduced by Emily Lorenz vice chair of Envelope subcommittee. As recommended by subcommittee motion to disapprove. Reason : to be consistent with action taken on CEPI-225. Motion to disapprove passes 31-0.
- 17) CEPI-112-21 (Energy Recovery, Series) proponent Emily Toto. Introduced by John Bade, chair of HVACR subcommittee. As recommended by subcommittee motion to approve. Motion to approve passes 29-0-1.
- 18) CEPI-113-21 (ERV Nontransient Dwelling units) proponent Mike Moore. Introduced by John Bade, chair of HVACR subcommittee. As

recommended by subcommittee motion to approve as modified. Reason: This proposal expands the requirement for energy recovery ventilators for high-rise dwelling units In Group R-2 buildings based on a cost effectiveness analysis. This modification is meant to coordinate with the Residential Consensus Committee's approve of REPI-69, which will result in some low-rise R2 dwelling units referencing C403.7.4.1 to determine if an ERV is required. This revised draft of CEPI-113 will ensure that its proposed climate zone expansion would only apply to dwelling units less than 500 ft2 on an enclosed corridor, which is the intention on this proposal and a cornerstone of the cost effectiveness analysis supporting CEPI-113. Motion to approve as modified passes 25-1-1.

19) CEPI-205-21 (Performance Renewable Energy) proponent Joe Cain. Introduced by Emily Lorenz vice chair of Envelope subcommittee. As recommended by subcommittee motion to disapprove. Reason: The SC was concerned that this CCP could allow energy efficiency to be "traded off" for solar. Motion to disapprove passes 27-4.

20) CEPI-209-21 (Mandatory Performance Table) proponent Jay Crandell. Introduced by Emily Lorenz vice chair of Envelope subcommittee. As recommended by subcommittee motion to disapprove. Motion by Greg Johnson to strike Section C402.2.4.1 from the table. Second by Lorenz. Motion fails 9-18. Motion to remove Section C402.2.7 from the table by Hope Medina. Second by Anthony Floyd. Motion carries 14-11. Motion by Greg Johnson to table and remand proposal to Envelope Subcommittee to provide recommendation prior to 4/13 meeting. Second by Emily Lorenz. Motion passes 19-6.

21) Remaining items tabled to 4/13/22 meeting

8. Subcommittee Reports

- a) Tabled to next meeting

9. Other Business-Tabled to next meeting

10. Upcoming meetings. The next meeting will be Wednesday, April 13 from 2:00 to 5:00 pm Eastern Time

11. Adjourn. The meeting was adjourned at approx. 5:01 pm Eastern time.

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

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:
Kristopher Stenger, AIA, CBO
Director of Energy Programs
International Code Council
kstenger@iccsafe.org