



International Code Council IECC Commercial Consensus Committee Draft Meeting Minutes

Meeting Date: February 23, 2022

Committee Chair: Duane Jonlin
Committee Vice Chair: Emily Hoffman

1. Call to order. The meeting was called to order at approx. 2:31 pm Eastern Time.
2. Roll Call. Chair Duane Jonlin, Vice-Chair Emily Hoffman, Ali Alaswadi, Danielle Ashley, Jack Bailey, Matt Belcher, Scott Brooks, Zepherinus Church Norbert, Diana Burk, Richard Burton, Chris Clausing, Thomas Culp, John Dalzell, Greg Eades, Charles Eley, Drake Erbe, Anthony Floyd, David Goldstein, Greg Grew, Glenn Heinmiller (alt), Bryan Holland, Greg Johnson, Adrian Jones, Michael Jouaneh, Andrew Klein, Vladimir Kochkin, Emily Lorenz, Vincent Martinez (alt), Hope Medina, Don Mock, Shaunna Mozingo, Susan Musngi, Dan Nall, Christopher Perry (alt), Laura Petrillo-Groh, Darren Port, Kevin Rose, Michael Rosenberg (alt), Steve Rosenstock, Robert Ross, Blake Shelide, Thomas Schultz, Michael Tillou, Amin Tohmaz, Amber Wood

Committee members in attendance: (46 in attendance 5 absent)

Not in attendance: Gina Bocra (alt), Kim Cheslak (alt), Paula Cino (alt), Stephen Harris, Melissa Moseley, Lauren Urbanek (alt), Jeremy Williams, James Yeoman

ICC Staff in attendance:

Kris Stenger, Mike Pfeiffer, Ryan Colker, Dave Walls, Jason Toves, Shawn Martin

3. Approval of the Minutes from 2/9-Motion to approve by Greg Johnson. Second by Emily Lorenz. Approved unanimously.
4. Approval of Agenda-Motion to approve by Greg Johnson. Second by Anthony Floyd. Blake Shelide noted that CEPI-92-21 was disapproved by HVACR Subcommittee. Approved unanimously.
5. Update on ICC memorandum regarding discount rates and code content by Mike Pfeiffer, who confirmed that EV charging and other proposals that don't directly impact building energy efficiency can be incorporated into the body of the code, not solely as appendices.
6. 3 minutes of fame – Susan Musngi
7. Administrative issues. Standing motions on proposal will be taken from the subcommittee recommendation

8. Action Items

a) Code Change Proposals

- 1) CEPI-63-21 Part I (Air Barrier Testing) Proponent Lisa Rosenow. Introduced by Tom Culp Envelope Subcommittee Chair. Motion for disapproval. Reason statement: The language of the proposal is confusing and, as a result, can lead to unintended consequences by the users of the IECC. Motion for disapproval passes 35-0
- 2) CEPI-69-21 (Air Barrier Testing third party) Proponent Theresa Weston. Introduced by Tom Culp Envelope Subcommittee Chair. Motion to approve as modified. Reason statement: clarify that an approved third party shall provide air leakage testing and that they can also provide diagnostic evaluation when required. Motion to approve as modified passes 36-0
- 3) CEPI-88-21 (HVAC table update) Proponent Steven Rosenstock. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason statement: Disapprove because more time is needed to ensure alignment with ASHRAE 90.1 and federal standards processes, which are still ongoing as of subcommittee review but are expected to be completed by the IECC public comment period. The subcommittee supports updating HVAC efficiency tables. It is the full intention and expectation of the subcommittee that proponents will come back during the public comment process with updated tables that best align with ASHRAE 90.1 and federal standards. Motion to disapprove passes 34-1-2.
- 4) CEPI-90-21 (Heat Pump table update). Proponent Steven Rosenstock. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason statement: Disapprove because more time is needed to ensure alignment with ASHRAE 90.1 and federal standards processes, which are still ongoing as of subcommittee review but are expected to be completed by the IECC public comment period. The subcommittee supports updating HVAC efficiency tables. It is the full intention and expectation of the subcommittee that proponents will come back during the public comment process with updated tables that best align with ASHRAE 90.1 and federal standards. Motion to disapprove passes 34-0-2.
- 5) CEPI-91-21 (Furnace Table update). Proponent Steven Rosenstock. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason statement: Disapprove because more time is needed to ensure alignment with ASHRAE 90.1 and federal standards processes, which are still ongoing as of subcommittee review but are expected to be completed by the IECC public comment period. The subcommittee supports updating HVAC efficiency tables. It is the full intention and expectation of the subcommittee that proponents will come back during the public comment process with updated tables that best align with ASHRAE 90.1 and federal standards. Motion to disapprove passes 35-0-2.
- 6) CEPI-92-12 (Boiler Table update). Proponent Steven Rosenstock. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to

disapprove. Reason statement: Disapprove because more time is needed to ensure alignment with ASHRAE 90.1 and federal standards processes, which are still ongoing as of subcommittee review but are expected to be completed by the IECC public comment period. The subcommittee supports updating HVAC efficiency tables. It is the full intention and expectation of the subcommittee that proponents will come back during the public comment process with updated tables that best align with ASHRAE 90.1 and federal standards. Motion to disapprove passes 34-0-2.

- 7) CEPI-93-21 (Boiler Min Efficiency). Proponent Nicolas O'Neill. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason statement: Disapprove because more time is needed to ensure alignment with ASHRAE 90.1 and federal standards processes, which are still ongoing as of subcommittee review but are expected to be completed by the IECC public comment period. The subcommittee supports updating HVAC efficiency tables. It is the full intention and expectation of the subcommittee that proponents will come back during the public comment process with updated tables that best align with ASHRAE 90.1 and federal standards. Motion to disapprove passes 33-0-3
- 8) CEPI-94-21 (Variable refrigerant AC table). Proponent Steven Rosenstock. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason statement: Disapprove because more time is needed to ensure alignment with ASHRAE 90.1 and federal standards processes, which are still ongoing as of subcommittee review but are expected to be completed by the IECC public comment period. The subcommittee supports updating HVAC efficiency tables. It is the full intention and expectation of the subcommittee that proponents will come back during the public comment process with updated tables that best align with ASHRAE 90.1 and federal standards. Motion to disapprove passes 34-0-2
- 9) CEPI-95-21 (Package Elect Heat/Cool). Proponent Mike Kennedy. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason Statement: Scope and application extends past what equipment is available but committee asked proponent to bring back in Public Comment. It requires further study and additional work is needed. Motion to disapprove passes 19-14-6.
- 10) CEPI-96-21 (HVAC reversing valve). Proponent Glory O'Brien. Introduced by Shaunna Mazingo HVACR Subcommittee Chair. Motion to disapprove. Reason Statement: Committee understood the intent but viewed it as inappropriate to just create a general requirement for reversing valves, especially since associated controls and operational specifications should also be considered. This needs further study and refinement and the concept could be brought back during Public Comment. Motion to disapprove passes 34-1-2.
- 11) CEPI-24-21 Part I (Performance Path). Proponent Amy Boyce. Motion to approve as modified. Introduced by Greg Eades Modeling Subcommittee Chair. Reason: clarifies that the whole building modeling approach is based on simulation and not actual utility bills. Motion to approve as modified passes 36-0

- 12) CEPI-215-21 (Commissioning). Proponent Kim Cheslak. Introduced by Greg Eades Modeling Subcommittee Chair. Reason: amend the capacity thresholds and add an area threshold so that more buildings are required to follow the commissioning requirements of C408. Motion to approve as modified. Motion to approve as modified passes 34-4
- 13) CEPI-148-21 (Lighting Emergency 24 Hour). Proponent Jack Bailey. Introduced by Michael Jouaneh Electrical Power and Lighting Subcommittee Chair. Motion to approve as modified. Reason: Clarifies energy efficiency requirements for egress and emergency lighting. Motion to approve as modified passes 38-1.
- 14) CEPI-152-21 (Lighting Safety Exception). Proponent Glen Heinmiller. Introduced by Michael Jouaneh Electrical Power and Lighting Subcommittee Chair. Motion to approve as modified. Reason: This clarifies the exceptions to automatic control requirements related to safety and security. Motion to approve as modified passes 37-0.
- 15) CEPI-175-21 (Lighting Parking Garage Control). Proponent Mike Kennedy. Introduced by Michael Jouaneh Electrical Power and Lighting Subcommittee Chair. Motion to disapprove. Reason: To avoid conflicts with life safety provisions in the IBC/IFC. Motion to disapprove passes 27-7-3

9. 3 minutes of fame – Jack Bailey

10. Subcommittee Reports

- a) Envelope and Embodied Energy-SC Chair Tom Culp. Extended meeting time to third hour. Next meeting related to roofing and then air leakage section.
- b) Electrical Power, Lighting, and Renewables-SC Chair Michael Jouaneh-Meeting Feb 28th. Meeting time increased to three hours. Multi-level lighting, daylight control, and mandatory renewables proposal. Information session on renewable proposal following E4C meeting. Several proposals tied up in consensus proposals
- c) HVACR and Water Heating-SC Vice Chair Blake Shelide- next meeting 2/24. Meetings now are 3 hours starting at 11 am Eastern.
- d) Modeling, Whole-Building Metrics, Zero Energy- Chair Greg Eades-look at section 407 and 406 proposals. Appendix CC task group led by Charles Eley meets on 3/8 and has had one meeting. Had consensus on 10 proposals. Diana Burk looking at Section C406 proposals. Meeting biweekly

11. Construction Cost & Life Cycle Cost Temporary Advisory Group report.

Michael Tillou, chair of the advisory group, provided an update on the work of the advisory group to this point. Talked about new guidance from ICC staff on discount rates. Motion to approve ASHRAE 90.1 2022 methodology is tabled until next meeting. Adopt using a constant dollar method and not real dollar as per ASHRAE. Allows members to use tool provided by Charles Eley. Next meeting Friday, Feb 25. For PNNL requests, SC chairs to email Tillou and Victor Salcedo and Committee Officers. Provide confirmation that the analysis will support an approval of a proposal. Number of analyses that PNNL can provide is limited.

12. Other Business-PNNL for DOE cost effectiveness analysis uses discount rates of 3% for residential ~~and~~ , 3% for publicly owned commercial buildings and 3.34% for privately owned commercial buildings.

For electronic voting purposes committee members in general are agreeable with receiving one email notification or one per SC that includes the list of proposals, rather than a separate email for each proposal.

13. Upcoming meetings. The next meeting will be Wednesday, March 16 from 2:00 to 5:00 pm Eastern Time

14. Adjourn. The meeting was adjourned at approx. 4:23 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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