



International Energy Conservation Code Envelope & Embodied Energy Subcommittee

Meeting Minutes

February 3, 2022
11:00 AM to 1:00 PM EST (2 hours)

Committee Chair: Tom Culp, Birch Point Consulting

Committee Vice Chair: Emily Lorenz, IIBEC

1. The meeting began at 11:00 AM Eastern Time.

2. Meeting Conduct - Culp

- a. Antitrust Reminder
- b. Identification of Representation/Conflict of Interest
- c. ICC [Council Policy 7](#) Committees: Section 5.1.10 Representation of Interests
- d. ICC [Code of Ethics](#): ICC advocates commitment to a standard of professional behavior that exemplifies the highest ideals and principles of ethical conduct which include integrity, honesty, and fairness. As part of this commitment it is expected that participants shall act with courtesy, competence and respect for others.

3. Roll Call - Lorenz

Name	Organization		Name	Organization	
*Culp, Tom (chair)	Glazing Industry Code Cmte; Aluminum Extruders Council	X	Humble, Jonathan	Amer Iron & Steel Institute	X
*Lorenz, Emily (vice chair)	Intl Inst of Building Enclosure Consultants	X	*Johnson, Greg	Natl Multifamily Housing Council	X
Altenhofen, David	RWDI	X	Kochkin, Vladimir	National Association of Homebuilders	X
*Ashley, Danielle	Johns Manville	X	Melley, Michele	State of CT	
*Belcher, Matt	Enhanced Bldg Systems	X	*Ross, Bob	Austin Ind. School District	X
*Brooks, Scott	Disney		Ross, Loren	American Wood Council	X
*Burton, Richard	City of Lincoln, NE		Sanders, Helen	Façade Tectonics Inst.	X
Cinnamon, Tony	Wiss, Janney, Elstner	X	Spiriev, Bistra	GA Finance & Investment	X

*Churchill Norbert, Zepherinus	CARICOM	X	*Tillou, Mike	PNNL	X
*Clausing, Chris	Clausing Builders	X	VanGeem, Martha	Masonry Alliance for Codes and Standards	X
Crandell, Jay	American Code Council's Foam Sheathing Coalition	X	Weston, Teri	Air Barrier Assoc of Amer.	X
DeWein, Mike	North Branch Services	X	Zani, Andrea	Permasteelisa	
Guttman, Maureen	Energy Solutions	X			

*Member of main IECC Commercial Committee

4. **Approval of Agenda** – The agenda was approved with no modifications.

5. **Approval of Minutes** - January 20, 2022 meeting minutes were tabled until the February 17, 2022 meeting. Chair requested that the draft minutes be posted on both the “teams” and relevant ICC web page in advance of each meeting.

6. **Administrative issues.** (No report)

7. **Action Items.**

a. **Air leakage:**

CEPI-59-21 sealing between roof deck and roof membrane (This code change proposal was Tabled from the 1/6/22 meeting)
Motion by Greg Johnson, second by Theresa Weston, to table this code change proposal until the February 17, 2022 meeting.
Vote tally: 15-0-1 CNV

Discussion comments

- This is a moist air into assembly issue which has technical problems, in this case a moisture permeable material and a roof membrane which is not permeable competing in one assembly.
- Prefer simple language generic with exception for fasteners,
- Moisture vapor permeable materials will not work as worded.
- Subpart #5, the last sentence, it is unclear why we need additional language.
- Subpart #3 language “filled in manner” is a definition issue. We need to clarify the intent.
- Subparts #4 and #5 appear to be too similar, why not combine?

CEPI-69-21 Approved 3rd party, and adds ASTM E1186 (Note: the standard now available for subcommittee review on the secure IECC web page)
Motion by Greg Johnson, second by Mike Tilou, to approve as further modified from the original submission.
Modification: change “an” to “the” in the first line of the exception.
Vote tally 17-0-1 CNV

Reason: Move to approve as modified to clarify that an approved third party shall provide air leakage testing and that they can also provide diagnostic evaluation when required.

CEPI-63-21 Pt I - Changes dwelling unit testing carve-out to only dwelling unit with exterior access

Motion by Greg Johnson, second by Vladimir Kochkin, to disapprove this code change proposal.

Vote tally: 12-0-1 CNV

Reason: The language of the proposal is confusing and, as a result, can lead to unintended consequences by the users of the IECC.

b. Thermal Bridging update:

The thermal bridging task group reported on code change proposals CEPI-30,33,40,45. Ms. Sanders provided a presentation on TB task group discussions. The task group is to continue their work of combining proposals to a single proposal for consideration by the IECC Comm ENV.

Discussion about the definition choices:

- Both definitions are problematic, as they do not properly convey the intent. For example: does a wood stud have a higher conductivity value than a gypsum panel in a wall assembly? Issue is with the phrase “surrounding materials.”
- Definitions are too inclusive, and raise the question what would be required for documentation in construction documents? ASHRAE Addendum “av” has addressed this with specific provisions to control what is and is not included. CEPI-33-21 does not have those qualifiers to guide.

Discussion about the performance path options #1, #2 and #3:

- Option #1 appears to restrict innovation and design.
- Option #3 was the preferred, however it is incomplete as we have not discussed the prescriptive provisions first.
- Where is the cost-effective statement?

c. Roof related:

CEPI-11 Pt 1 “Attic” definition

Motion by Maureen Gutman, second by Greg Johnson, to table this item until after the IECC Residential Committee has completed their review of CEPI-11-Pt 2 plus REPI-32-21.

Vote tally: 15-0-2 CNV

Discussion:

- Language issues when and where we should use the term “space” or “spaces.” The question becomes what happens in an existing building when the owner installs a roof over an existing roof creating two spaces?
- How can we define the term and not impact draft stopping? Response – If it has not been a problem to date why would it be a problem now?

- What happens when attic space consists of a combination of roof slopes?
- Need to wait for IECC Residential in order to be consistent.

8. **Other business.** (None presented)

9. **Upcoming meetings**—Held on the first and third Thursdays of every month
a. February 17, 2022, 11:00 AM to 1:00 PM EST.
b. March 3, 2022, 11:00 AM to 1:00 PM EST

10. **Adjourn.** Meeting adjourned at 1:00 PM Eastern.

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

[ICC Energy webpage](#)
[Code Change Monograph 2nd printing](#)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Committee Chair: Tom Culp, Birch Point Consulting, culp@birchpointconsulting.com

Committee Vice Chair: Emily Lorenz, IIBEC, emilyblorenz@gmail.com