



International Energy Conservation Code Envelope & Embodied Energy Subcommittee

Meeting Notes

May 5, 2022
11:00 AM to 2:00 PM EST (3 hours)
[WebEx Link](#)

Committee Chair: Tom Culp, Birch Point Consulting
Committee Vice Chair: Emily Lorenz, IIBEC

1. Call to order.

Call to Order by Culp – 11:02am EST

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.

Conduct reviewed by Culp.

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	X
*Belcher, Matt	Enhanced Bldg Systems	X	*Ross, Bob	Austin Ind. School District	X

*Brooks, Scott	Disney	X	Ross, Loren	American Wood Council	X
*Burton, Richard	City of Lincoln, NE	X	Sanders, Helen	Façade Tectonics Inst.	X
Cinnamon, Tony	Wiss, Janney, Elstner	X	Spiriev, Bistra	GA Finance & Investment	
*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 Chemistry Council's Foam Sheathing Coalition	X	Weston, Teri	Air Barrier Assoc of Amer.	X
DeWein, Mike	North Branch Services	X	Zani, Andrea	Permasteelisa	X
Guttman, Maureen	Energy Solutions	X			

*Member of main IECC Commercial Committee

4. Approval of Agenda

No objections. Agenda approved.

5. Approval of Minutes – Apr 21, 2022 meeting

Motion / Second: Belcher / Weston.

Motion for approval as modified.

Voice vote unanimous to approve minutes as modified.

6. Administrative issues.

None discussed.

7. Action Items.

- a. Remaining items from 4/21 (Thermal Bridging, Component perf alternative)
CEPI-30 ACI thermal bridging standard (see mod for CEPCI-4)

Motion / Second: VanGeem / Lorenz

Motion for approval as modified

Motion fails 9-12-2 (CNV)

Motion / Second: Crandell / Guttman

Motion for disapproval

Motion passes 12-9-2 (CNV)

Reason Statement: The ACI standard is not consistent with prior action on CECPI-4 and contains requirements and exemptions that are not consistent with CECPI-4.

CEPI-46 C402.1.5 Component performance alternative ← *see modification*

Motion / Second: Sanders / Crandell

Motion for approval as modified

Motion passes 14-3-4 (CNV)

Reason Statement: this proposal clarifies the equation for component trade off eliminating some confusion that existed.

b. Backstops

Culp hands meeting over to Lorenz as Active Chair due to client interests on some proposals in Backstops section.

CEPI-4 Above code program envelope backstop

Motion / Second: Culp / VanGeem

Motion for disapproval

Motion passes 16-6-1 (CNV)

Reason Statement: Above code programs already need to meet C407.2 for energy efficiency. This proposal takes away flexibility in how those codes are developed. Perhaps the proposal could be clarified as to how this would apply to above code trade off programs.

CEPI-204 Performance path envelope backstop

Motion / Second: VanGeem / Johnson

Motion for disapproval

Motion passes 17-2-2 (CNV)

Reason Statement: The proposal does not save energy. It takes away flexibility of designers to optimize buildings.

CEPI-210 Performance path fenestration backstop

Motion / Second: Culp / VanGeem

Motion for disapproval

Motion passes 13-6-2 (CNV)

Reason Statement: The proposal does not save energy. It takes away flexibility of designers to optimize buildings. There are potential unintended consequences missed in exceptions.

CEPI-241 Zero energy appendix envelope backstop

Motion / Second: Culp / Johnson

Motion for disapproval

Motion passes 11-6-4 (CNV)

Reason Statement: The proposal does not save energy. It takes away flexibility of designers to optimize buildings, and is not necessary in a net-zero energy appendix. Consistent with previous action on CEPI-4, 204, and 210.

c. Other

Culp regains Chair duties.

CEPI-27 Opaque sections reorganization

Motion / Second: Weston / Crandell

Motion for approval as modified

Motion / Second: Lorenz / Crandell

Motion to call to question

No objections to calling to question – unanimous voice vote to approve

Motion passes 17-0-1 (CNV)

Reason Statement: Proposal reorganizes the section for better clarity.

CEPI-214 Thermal envelope commissioning

Motion / Second: Weston / Sanders

Motion for approval

Motion fails 2-13-4 (CNV)

New motion:

Motion / Second: VanGeem / Lorenz

Motion for disapproval

Motion for disapproval passes 11-2-4 (CNV)

Reason Statement: The ASTM standard scope is much broader than energy provisions and it is unclear which tests are mandatory versus optional

No action on items below:

CEPI-221 Existing building envelope alterations

Note: the following items will most likely be pushed to May 19, but we will start on them on May 5 if we get through the above items and have time.

d. Fenestration

CEPI-16 Pt 1	Door definition
CEPI-20	Fenestration ratings
CEPI-52	Fenestration U-factors
CEPI-53	Fenestration U-factors in Group R
CEPI-54	Orientation requirements (both building form and fenestration)
CEPI-195	Energy credit for automated shading devices (unless Modeling SC takes this one along with CEPI-196)

As per Culp, proponent pulled

8. Other business.

9. Upcoming meetings—first and third Thursdays of every month
a. May 19, 2022, 11:00 AM to 2:00 PM EST

10. Adjourn.

Meeting adjourned by Culp.

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

We have started an interested-party email list for various subcommittee communications. Please contact Tom Culp to be placed on that email list.

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