International Code Council

Economics, Modeling, and Whole-Building Subcommittee

Meeting Minutes

# Meeting Date: April 27, 2022

**Sub-Committee Chair:** Ian Finlayson

**Sub-Committee Vice Chair:** Brian Shanks

**Secretary:** Alamelu Brooks

1. Call to order. The meeting was called to order at ~11:00 AM EST
2. Meeting Conduct. IECC Secretariat Kris Stenger reiterated the following:
   1. Identification of Representation/Conflict of Interest
   2. ICC [Council Policy 7](https://www.iccsafe.org/wp-content/uploads/CP07-04.pdf) Committees: Section 5.1.10 Representation of Interests
   3. ICC [Code of Ethics](https://www.iccsafe.org/wp-content/uploads/CodeOfEthics.pdf): 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.

Sub-committee members in attendance: (19) Alamelu Brooks, Amy Boyce, Ben Edwards, Brian Shanks, Cherylyn Kelley (Alt), Gavin Mable, Gayathri Vijayakumar, Ian Finlayson, Jay Crandell, Jerry Phelan, Michael Noble, Michael Tillou, Robert Salcido, Ryan Meres, Shilpa Surana, Steve Stelzer, Ted Williams, Thomas Marston, Vladimir Kochkin

Sub-committee members not attending: (3) Aaron Gary, Kelly Thomas, Pamela Fasse,

1. Review of Agenda, Chair reviewed the agenda

5. Action Items.

a). Hear and vote on proposals on R406 from code proposal proponents, starting with REPI-126.

b). Vote on R408 proposals starting with REPI-18 based on straw poll feedback from full committee.

c) Hear and vote on Appendix RC proposals from proponents as shown in panel 3:

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| **No.** | **Proposal Number and Subcommittee Response** | **Proponent** | **Section** | | | **Description** |
| **Panel 1: Determining the maximum ERI in R406 (Discuss 2 proposals together then vote)** | | | | | | |
| 1 | REPI-126-21 | Robby Schwarz | R406 | | | Modified – Aligns ERI table with 5% below IECC2021, adds a Solar PV trade-off (splits the max ERI table similar to Appendix RC) |
| Voted for Approval As Modified | Yes-11, No-6, Abstain-0,Not Present-3, Not Applicable-2 | | | | |
| 2 | REPI-127-21 | Gayathri Vijayakumar | R406 | | | Update R406 max ERI values based on R405 Standard Reference Design |
| Vote for Disapproval As Submitted | Yes-16, No-1, Abstain-0, Not Present-3, Not Applicable-2 | | | | |
| **Panel 2: Modifications in approach to Section R408 (Vote REPI-18 1st based on committee straw poll)** | | | | | | |
| 3 | REPI-18-21 | Mark Lyles | | R408 | Move to a points-based system | |
| Vote for Table | Yes-15, No-0, Abstain-0, Not Present-5, Not Applicable-2 | | | | |
| 4 | REPI-19-21 | Amy Boyce / Cherylyn Kelley | | R408 | Maintain current structure but require 2 items not 1 item | |
| Will be discussed in the next meeting | | | | | |
| 5 | REPI-20-21 | Dan Wildenhaus | | R408 | Maintain current structure but require 2 items for homes over 5,000 sq ft | |
| Will be discussed in the next meeting | | | | | |
| 6 | REPI-33-21 | Amanda Hickman | | R408 & Envelope | Weaken envelope table\* and modify R408 to have climate zone specific options (ie. No cold-climate heat pump option) | |
| Will be discussed in the next meeting | | | | | |
| 7 | REPI-167-21 | Aaron Vandermeulen / Thomas Marston | | R408 & Envelope | Weaken envelope table\* and comprehensively modify R408 options. Only apply R408 to prescriptive path, not applied to R405 baseline or R406 ERI path | |
| Will be discussed in the next meeting | | | | | |
| **Panel 3: Modifications to optional Appendix RC (Net-zero appendix)** | | | | | | |
| 8 | REPI-161-21 | Diana Burk | | Appendix RC | clarifies renewable definitions in Appendix RC | |
| Will be discussed in the next meeting | | | | | |
| 9 | REPI-162-21 | SEHPCAC | | Appendix RC | adds CZ 0 to ERI values in Appendix RC (Same as CZ 1) | |
| Will be discussed in the next meeting | | | | | |
| 10 | REPI-163-21 | Kim Cheslak | | Appendix RC | ERI based on PHIUS (Reduces ERI pre-renewable values based on Passive house EE levels | |
| Will be discussed in the next meeting | | | | | |

1. Discussion/proposal for upcoming May 11th meeting Agenda and ordering of proposals.
2. Other business
3. The meeting was adjourned

FOR FURTHER INFORMATION BE SURE TO VISIT THE ICC WEBSITE:

[ICC Energy webpage](https://www.iccsafe.org/products-and-services/codes-standards/energy/)

[Code Change Monograph](https://www.iccsafe.org/wp-content/uploads/2021-Public-Input-Complete-Monograph.pdf)

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

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