



## International Code Council IECC Residential Consensus Committee Draft Meeting Minutes

**Meeting Date: March 9, 2023**

**Committee Chair:** JC Hudgison

**Committee Vice Chair:** Bridget Herring, Robin Yochum

1. Call to order. The meeting was called to order by Chair Hudgison at approx. 1:02 pm CT.
2. Meeting Conduct. IECC Secretariat Kris Stenger introduced this item and made attendees aware of ICC [Council Policy 7](#) Committees: Section 5.1.10 Representation of Interests, [Council Policy 50](#) antitrust, and ICC [Code of Ethics](#).
3. Roll Call.

Committee members in attendance: (39 in attendance 9 absent)

Chair JC Hudgison, Vice-Chair Robin Yochum, Vice-Chair Bridget Herring, Charles Allen, Jennifer Amann, Molly Berg (alt), Daniel Carroll (alt), Patricia Chawla, Shannon Corcoran (alt), Clifford Davis, Paul Demers, Stephen Dent, Craig Drumheller, Ann Edminster, Ian Finlayson, Gary Heikkinen, John A. Hensley, John E. Hensley, Shane Hoepfer, R L Johnson, Cherlyn Kelley, Vladimir Kochkin, Mark Lyles, Gavin Mabe, Ricardo Madrid, Thomas Marston, Amy Martino, Paul Messplay (alt), Jim Meyers, Michael Noble, Thomas Paine (alt), Robert Parks, Chris Perry (alt), Richard Potts, William Pousson Jr., Ben Rabe (alt), Robert Raymer, Mark Rodriguez, Gil Rossmiller, Robert Salcido, Amy Schmidt, Brian Shanks, Michael Tillou (alt), Lauren Urbanek, Gayathri Vijayakumar, Seth Wiley, Jeremy Williams, Jeremy Wright

Not in attendance: Pamela Fasse, Garret Jaynes (alt), Cesar Lujan (alt), Nehemiah Stone (alt), Rob Austin, Kyle Bergeron, Michael Stone, David Goldstein (alt), Emma Gonzalez-Laders, Amy Boyce, Kevin Gobble, Alison Lindburg, Richard Truitt,

ICC Staff in attendance:

Kris Stenger, Mike Pfeiffer, Russ Manning,

4. Approval of the Agenda-Request by Robert Parks to move tabled Envelope proposals to front of the agenda. Request by Vladimir Kochkin to motion RED1-239-22 to follow RED1-242. Motion by Jim Meyers to approve the agenda a modified with a second from Gayathri Vijayakumar. Motion passes unanimously.
5. Approval of the Minutes-Motion by Robert Raymer to approve the March 2, 2023 minutes. Second by Mark Rodriguez. Motion passes unanimously.

6. Administrative issues. Staff update on committee progress

7. Action Items

a) RED1-204-22(Table R402.1.2 footnote d) Proponent Greg Johnson. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to approve as modified with a second from Craig Drumheller. Motion to disapprove passes 31-0. Reason: Editorial clarification of the requirements.

b) RED1-211-22(Crawlspace wall insulation) Proponent Jay Crandell. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to approve with a second from Robert Raymer. Motion to approve passes 35-0. Reason: Since crawl space insulation can be traded, "where required" is a good addition and the language proposed is helpful for code officials. Also agreement that in some jurisdictions it may need to be removed for inspection.

c) RED1-235-22(Knee wall component) Proponent Robby Schwarz. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to approve as modified with a second from Craig Drumheller. Motion by Vladimir Kochkin to modify with a second from Robert Raymer. Motion to approve as modified passes 34-1. Reason: Conditioned spaces need air barriers on both sides of the wall.

d) RED1-192-22(Knee wall definition) Proponent Greg Johnson. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to disapprove with a second from Craig Drumheller. Motion to disapprove passes 22-12-1. Reason: Current code definition for knee walls is sufficient. Proposal could have unintended consequences.

e) RED1-212-22(Attic knee-wall) Proponent Greg Johnson. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to approve with a second from Craig Drumheller. Motion to approve passes 35-0. Reason: Appropriate and will add clarity.

f) RED1-213-22(Knee wall component) Proponent Alex Smith. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to disapprove with a second from Craig Drumheller. Motion to disapprove fails. Motion to approve as modified by Vladimir Kochkin with a second Thomas Marston. Motion to approve as modified fails 19-15-3 Reason: Enough flexibility is already provided. It is not appropriate to mix trade-offs and additional efficiency measures with the prescriptive path.

g) RED1-223-22 PI & PII(Prescriptive air leakage edit) Proponent Paul Demers. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to table by Vladimir Kochkin until Mr. Demers could be in attendance. Second by Thomas Marston. Approved unanimously.

h) RED1-241-22(Prescriptive air leakage rate edit) Proponent Michele DeFrance. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to disapprove with a second from Craig Drumheller. Motion to disapprove passes 31-2-1. Reason: This language is contrary to the preferred practice. HRV/ERV has been proven to be cost effective in Climate Zone 6.

i) RED1-240-22(Remove prescriptive air leakage rate) Proponent Robby Schwarz. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to disapprove with a second from Craig Drumheller. Motion to disapprove passes 32-1. Reason: Consistency with consensus

reached on air changes per hour. Opposition to deleting the entirety of the Section on prescriptive air leakage.

j) RED1-242-22(Revise air tightness requirements) Proponent Amy Boyce represented by Cherylyn Kelley. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to approve with a second from Craig Drumheller. Motion to call the question by Robert Parks with a second from Gayathri Vijayakumar. Motion to call the question passes 32-1. Motion to approve fails 18-16-6. Motion by Vladimir Kochkin with a second from Robert Raymer to disapprove. Motion to disapprove passes 19-10-5. Reason: Committee supports the air leakage rates provided in the public comment draft. Questions regarding cost effectiveness in small homes.

k) RED1-239-22(Reduced air leakage requirements) Proponent Anjana Agarwal. Introduction by Robert Parks, vice chair of Envelope subcommittee. Motion to disapprove with a second from Craig Drumheller. Motion to disapprove passes 33-1. Reason: Proposal language was unclear pertaining to whether whole-building testing is required. The intention to use this type of test is already allowed in current code language where a code official can determine what is "approved". Proposal also seemed specific only to a certain product (AeroBarrier).

l) RED1-223-22 PI & PII(Prescriptive air leakage edit) Proponent Paul Demers. Motion by Gayathri Vijayakumar to pull this item off the table. Second by Robert Raymer. Passes unanimously. Motion to call the question by Ann Edminster with a second from Gayathri Vijayakumar. Motion passes 25-6. Motion to disapprove passes 26-6-3. Reason: These values represent consensus reached over a well litigated process. No new documentation was provided to justify a reduction in efficiency. 2.5 ACH is not difficult to reach.

Motion by Gary Heikkinen to move RED1-287-22 until 4 pm Eastern so proponent can attend. No objection.

m) RED1-291-22 PI & II(Heat Pump supplementary heat edit) Proponent Fredric Zwerg. Introduction by John Hensley, chair of HVACR and water heating subcommittee. Motion to disapprove with a second from Rick Madrid. Motion to disapprove passes 30-2-2. Reason: Proposal not necessary.

n) RED1-293-22(Heat Pump supplementary heat edit) Proponent Eric Tate. Introduction by John Hensley, chair of HVACR and water heating subcommittee. Motion to disapprove with a second from Rick Madrid. Motion to disapprove passes 30-2-2. Reason: consistent with IECC-C language. Malfunction is a commonly used term in the code.

o) RED1-294-22(Heat Pump supplementary heat edit) Proponent Ted Williams. Introduction by John Hensley, chair of HVACR and water heating subcommittee. Motion to disapprove with a second from Rick Madrid. Motion to disapprove passes 30-1. Reason: consistent with IECC-C language. Malfunction is a commonly used term in the code.

p) RED1-295-22(R403.1.2) Proponent Steven Rosenstock. Introduction by John Hensley, chair of HVACR and water heating subcommittee. Motion to disapprove with a second from Rick Madrid. Motion to disapprove passes 33-0. Reason: modification picked up in another proposal.

q) RED1-365-22(Dwelling unit sampling) Proponent Aaron Gary. Introduction by John Hensley, chair of HVACR and water heating subcommittee. Motion to disapprove with a second from Rick Madrid. Motion to disapprove fails 15-18-2. Motion to approve as modified by Gayathri Vijayakumar with a second from Thomas Marston. Motion to call the question by Robert Parks with a second from Thomas Marston passes 25-0. Motion to approve as modified passes 24-9-2. Reason: The Committee agreed that since sampling in Group R-2 buildings had already been approved for air leakage and duct leakage testing, that same sampling approach could be permitted for ventilation air flow testing, without adverse effects on energy consumption, while also decreasing costs for multifamily buildings to comply with the energy code.

r) RED1-287-22(CSA reference) Proponent Shannon Corcoran. Item pulled from the table. Introduction by John Hensley, chair of HVACR and water heating subcommittee. Motion to approve as modified with a second from Rick Madrid. Motion to approve as modified passes 31-1-2 Reason: updates standards for appliances.

s) RED1-179-22(All electric definitions) Proponent Steven Rosenstock. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 26-3-1 Reason: The proposed language was not necessary for clarity. The existing proposal language was clear.

t) RED1-101-22(ZNE performance) Proponent Ted Williams. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 29-3-1. Reason: This definition is not used in the body of the IECC and is unnecessary. It also constrains other compliance paths and limits utility grid renewables.

u) RED1-102-22(ZNE performance) Proponent Eric Tate. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 30-3-1. Reason: This definition is not used in the body of the IECC and is unnecessary. It also constrains other compliance paths and limits utility grid renewables.

v) IRCED1-3-22(Automobile parking space) Proponent Fredric Zwerg. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 28-1-1. Reason: Deletion of this definition would make the code more difficult to understand the intent.

w) RED1-165-22 PI & II(REC documentation) Proponent Tom Ortiz. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 31-2-2. Reason: Proposed new language would treat different forms of renewable energy differently.

x) RED1-98-22(Renewable energy certificate (REC)) Proponent Tom Ortiz. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 26-8-1. Reason: The existing definition language for REC is consistent with ASHRAE & EPA definitions.

y) IRCED1-4-22(Renewable energy certificate (REC)) Proponent Tom Ortiz. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee.

Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 27-3-1. Reason: The existing definition language for REC is consistent with ASHRAE & EPA definitions.

z) RED1-97-22 PI & II(Renewable energy certificate (REC)) Proponent Fredric Zwerg. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 31-0-1. Reason: The existing language is same as EPA language and has been thoroughly discussed. There could be issues with property rights language with the proposed.

aa) RED1-99-22(Renewable energy certificate (REC)) Proponent Ted Williams. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 32-1-1. Reason: Different states have varying requirements for RECs. This language might not be compatible in some states and jurisdictions.

ab) RED1-100-22(Renewable energy certificate (REC)) Proponent Eric Tate. Introduction by Mark Rodriguez, vice chair of Electric power, lighting, renewables, and storage subcommittee. Motion to disapprove with a second from Robert Raymer. Motion to disapprove passes 31-2-1. Reason: Different states have varying requirements for RECs. This language might not be compatible in some states and jurisdictions.

ac)Table remaining agenda items to March 16 agenda. Motion by Ric Johnson with a second from Mark Rodriguez. Motion passes unanimously.

8. Subcommittee reports

None at this time

9. Other Business-none at this time

10. Upcoming meetings. The next meeting will be Thursday, March 16, 2023 at 1 pm Central time

11. Adjourn. at 4:07 pm.

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

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

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