

Guests please sign into chat with name and representation. If you can change your name in Webex to include representation that is also appreciated. Thank you



Residential Code Consensus Committee

April 27, 2023

Meeting Decorum

Guiding Principles

Be courteous and act in a professional manner at all times. This includes the chat box.

Respect the views and opinions of others.

In order to participate in the meetings of a committee, all participants are required to identify their name, representation, and business affiliation and adhere to the Code Council's *Code of Ethics*. (Section 7.2 of CP 7 *Committees and Members*)

At all times, act in an ethical manner, comply with the ethical rules and regulations related to his or her profession, and avoid conflicts of interest. Demonstrate integrity, honesty, and fairness while participating in ICC activities. (*ICC Code of Ethics*)

Anti-trust Compliance

Guiding Principles

- Avoid activities that harm competition
- Avoid improper sharing of information
- Avoid spill over collusion

With Respect to Pricing:

- Focus on publicly available pricing
- Speak in terms of generality
- Use averages
- Avoid naming specific manufacturers

Copyright

ASSIGNMENT OF COPYRIGHT

Any and all materials developed in drafting of code change proposals and public comments shall be copyrighted by the ICC. Copyright protection for the benefit of the ICC, including language developed from a code, standard or work product copyrighted by the individual's organization. Under no circumstances will text be copied from another standard or work product without permission and subsequent copyright being held by ICC.

**2021 Energy Consensus Committee-
Residential**

4/21/23

CHAIR
J.C. **Hudgins**, CBO, Chair
City of Tampa – Construction Services

VICE CHAIR
Bridget **Herring**, CEM
City of Asheville

Charles Allen - H
City of Ammon Building Department

Jennifer Amann - G
American Council for an Energy Efficient Economy
Michael Waite -Alternate- G
American Council for an Energy-Efficient Economy

Robert Austin - H
NJ Department of Community Affairs,
Division of Codes and Standards

Kyle Bergeron - Primary - A
Air-Conditioning, Heating and Refrigeration
Institute (AHRJ)

Laura Petrillo-Groh-Alternate-A
Air-Conditioning, Heating and Refrigeration Institute
(AHRJ)

Amy Boyce, PE, LEED AP BD+C, CEM - G
Rep: Energy Efficient Codes Coalition
Institute for Market Transformation

Cheryllyn Kelley-Alternate-G
Institute for Market Transformation
Washington, DC

Patricia Chawla, LEED AP, PMP - E
Rep: Auslin Energy Green Building/Austin
Energy/City of Austin

Garrett Jaynes, P.E. LEED AP -Alternate- E
Austin Energy Green Building

Clifford Davis, AIA - B
Toll Brothers, Inc.

Paul Demers - H
State of Maine

Stephen Dent, M.Arch, AIA, NCARB - D
Dent & Nordhaus, Architects

Ann Edminster - D
Design AVENUES LLC

Nehemiah Stone-Alternate - D
Stone Energy Associates

**Pamela Fasse, MS, IECC certified, LEED Green
Associate, NGBS Certifier, NCLGC - B**
Fasse Construction and Development Inc.

Ian Finlayson - H
MA Department of Energy Resources

Kevin Gobble, M.S. and CBO - H
Cobb County
Marietta, GA

Emma Gonzalez-Laders, RA, LEED AP, CEO - H
NYS DOS Division of Building Standards and
Codes

Daniel Carroll-Alternate - H
NYS DOS Division of Building Standards and Codes

Gary Heikkinen, P.E.-retired - E
Rep: American Gas Association
Energy Consultant

Shannon Corcoran-Alternate - E
American Gas Association

John Edwin Hensley -Primary - G
Habitat for Humanity International

Molly Berg- Alternate - G
Habitat for Humanity International

John Hensley - C
BPS Consulting

Shane Hoepfer - H
City of Dubuque

Craig Drumheller - A
Rep: Window & Door Manufacturers Association

Cesar Lujan - Alternate - A
Window & Door Manufacturers Association

R L Johnson, CAPS
Rep: National Association of Home Builders
President/CEO
CAPS Builder division of Right at Home

Vladimir Kochkin - B
National Association of Home Builders

Alex Smith - Alternate - B
National Association of Home Builders

Alison Lindburg - G
Rep: Midwest Energy Efficiency Alliance

Mark Lyles, Primary, CPHC - G
New Buildings Institute
Ben Rabe-Alternate-G
New Buildings Institute

Gavin Mabe, P.E. - B
Clayton Homes

Ricardo Madrid, CBO - H
City of Victoria, TX

Thomas Marston - D
Energy Rater, New Home Program Manager
Mid/Atlantic/Greengurus LLC

Amy Martino, RA, LEED AP - D
Building Site Synergy, LLC

Jim Meyers, CGP, CSC - G
Southwest Energy Efficiency Project (SWEET)

Michael Noble - G
Rep: Fresh Energy

Robert Parks - B
Healthy Homes of Louisiana, LLC

Richard Potts, CBO – Primary - H
Code Development Administrator
Virginia Department of Housing and Community
Development

Paul Messplay, MCP, CBO, CFM -Alternate- H
Code and Regulation Specialist
Virginia Department of Housing/
State Building Codes Office

William Pousson, Jr., MCP - H
South Central Planning and Development
Commission
Gray, LA

Robert Raymer, P.E. (Mechanical), Primary - B
Rep: Leading Builders of America

Thomas Paine, Alternate - B
Rep: Leading Builders of America

Mark Rodriguez - A
Sunrun

Gil Rossmiller - H
Victor, Colorado
Denver, CO

Robert Salcido, P.E., Primary - G
Pacific Northwest National Laboratory (PNNL)

Michael Tillou, P.E., ASHRAE BEMP-Alternate-G
Pacific Northwest National Laboratory

Amy Schmidt, LEED Green Associate - A
American Chemistry Council

Brian Shanks - B
Beazer Homes USA, Inc.

Michael Stone, CBO - C
National Electrical Manufacturers Assoc. (NEMA)

Richard Truitt - H
Harford County MD

Lauren Urbaneck, Primary - G
Natural Resources Defense Council

David Goldstein, Ph.D. - Alternate-G
Natural Resources Defense Council

Gayathri Vijayakumar - D
Principal Mechanical Engineer
Steven Winter Associates, Inc.

**Seth Wiley, RA, AIA, NCARB, CPHC, CDT, SAP
- D**
NY & NJ/ Pretty Things Architecture P.C.

Jeremiah Williams, LEED AP, PMP - H
U.S. Department of Energy

*Christopher Perry, P.E., C.E.M., LEED AP-
Alternate - F*
American Council for an Energy Efficient Economy/

Jeremy Wright, CPBD - B
J. Wright Home Designs, LLC

Interest Category

- [A] Manufacturer
- [B] Builder
- [C] Stds Promulgator/Testing Lab
- [D] User
- [E] Utility
- [F] Consumer
- [G] Public Segment
- [H] Government Regulator
- [I] Insurance



Consensus Committee Roster

Tabled items from 4/13

RED1-27-22(Glide path to zero net energy)

Modeling as modified 9-3-2

RED1-28-22(Operational carbon rating and energy)

Modeling as modified 7-4-2

Tabled from 4/20

REPCD1-18-22(Floor insulation comment)

Envelope

RED1-194-22(Air space R-value requirements)

Envelope as modified 14-0

RED1-218-22(Radiant barriers)

Envelope approve 14-0

RED1-260-22(Editorial revision)

Envelope approve 14-0

REPCD1-4-22(R408.2 table TBD)

HVACR

REPCD1-5-22(Heat pump and TBD)

HVACR

REPCD-20-22(Efficient HVAC equipment comment)

HVACR

RED1-310-22(Demand recirc water system edit)

HVACR as modified 9-0

RED1-285-22(Duct system)

HVACR as modified 7-2

RED1-308-22(Max. total duct system leakage)

HVACR disapprove 9-0

RED1-306-22(Ducts buried within ceiling insulation)

HVACR disapprove 8-0

RED1-359-22(More efficient duct system)

HVACR approve 10-0

RED1-307-22(Duct leakage table)

HVACR disapprove 7-0-2

RED1-305-22(Clarify duct location in ceiling)

HVACR disapprove 8-0

RED1-302-22(Duct insulation exception)

HVACR approve 7-1-1

RED1-304-22(Remove 3 in ducts located in cond. Space)

HVACR disapprove 11-0

RED1-342-22(Electric readiness space heating option)

HVACR disapprove 5-4-0

RED1-343-22(H/ERV option)

HVACR as modified 7-0-2

~~RED1-352-22(Water heater efficiencies)~~

~~HVACR disapprove 8-0-1 withdrawn~~

RED1-77-22(R408 mech equipment edit)

HVACR disapprove 7-1-1

RED1-337-22(Air leakage and mech ventilation reorg)

HVACR approve 8-0

New proposals

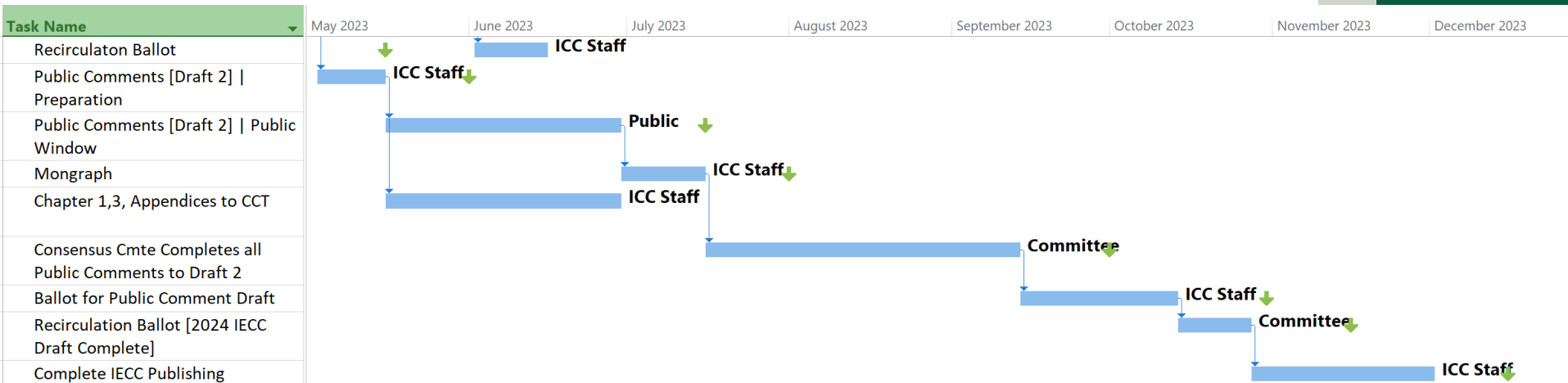
RECD1-9-22(Thermal energy storage heating system)	HVACR as modified 7-4-0
RED1-346-22(EER to ground source heat pump req)	HVACR as modified 10-0-1 withdrawn
RED1-350-22(R408.2.2 updates)	HVACR disapprove 9-0-2 withdrawn
RED1-348-22(Efficient HVAC equipment comment)	HVACR disapprove 4-2-5 withdrawn
RED1-349-22(PI & II(Include LPG in HVAC equip. perf)	HVACR as modified 11-0 withdrawn
RED1-329-22(R403.8 stricken ref com provisions)	HVACR disapprove 8-2-1
RED1-315-22(AHRI Standard 1430-2022)	HVACR as modified 7-0-1
RED1-316-22(Demand response water heaters)	HVACR disapprove 6-4-0
RECD1-1-22(Exhaust control)	HVACR approve 5-3-1
RED1-78-22(R408 remove credit for appliances)	Modeling disapprove 7-6-3
RED1-73-22(R408 additional measure)	Modeling as modified 10-0-5
RED1-26-22(Additional energy efficiency)	Modeling disapprove 15-0
RED1-360-22(R408 Efficient appliance option)	Modeling as modified 8-3-5
RED1-80-22(Remove appliances from table)	Modeling disapprove 7-6-3
RED1-74-22(Cool roof in Table R408)	Modeling approve 15-0 withdrawn
RED1-81-22(Update Table R408.2 remove TBD)	Modeling disapprove 10-1-4 withdrawn
RED1-79-22(R408 total UA improvement options)	Modeling as modified 14-0-1
RED1-83-22(Additional envelope UA eff. Credits)	Modeling disapprove 14-0-1
RED1-71-22(Air leakage additional efficiency req)	Modeling as modified 13-0-2
RED1-82-22(R408 enhanced envelope clarification)	Modeling disapprove 15-0
RED1-257-22(Minimum roof reflectance)	Modeling approve 13-0-2
RED1-258-22(Minimum roof reflectance)	Modeling disapprove 11-0-4
RECD1-12-22(Fuel proposal)	Not heard by a subcommittee

Schedule moving ahead

- 1) Committee Action Report/Consensus Ballot #1 issued first week of May (intend May 1st)
- 2) Consensus Ballot #1 due 30 days from issue date
 - a) electronic ballot to provide overall vote
 - 1) affirmative
 - 2) affirmative with comment
 - 3) negative with reason
 - 4) abstain
 - b) comments emailed to staff in a word file by 11:59 pm pacific on due date (May 30th)
- 3) Recirculation Ballot #2 issued (June 1). Due 14 days following issue date (June 15)
 - a) Only new comments needed
 - b) If no modifications to Ballot #1 then Ballot #2 not necessary
- 4) Items that receive more than 1/3 negative ballots will be placed on an agenda of a special meeting of the consensus committee. If a meeting is held an absentee ballot will be provided to those not in attendance. Meeting date **Thursday, June 29 time TBD**
- 5) Results of meeting that modify Public Comment Draft #2 will be incorporated into an update and posted for comment (separate from initial PCD#2 comment period).

Schedule moving ahead

- 5) Public Comment Draft #2 will be posted mid-May
- 6) Public Comment Draft #2 will be open for comment in energy.cdpassess for 45 days (due end of June).
 - a) Only substantive technical changes to Public Comment Draft #1 will be open for comment
 - b) IECC-C, IECC-R, IRC Chapter 11 will be open during this period
- 7) Monograph of public comments to PDC#2 will be posted on the committee websites (mid-July). Public comments assigned to appropriate subcommittees.
- 8) Subcommittees/Consensus committees to resolve all public comments (timeframe based on number of comments)
- 9) All approved/approved as modified proposals will be issued through a Committee Action Report and balloted under similar process as PCD#2
- 10) Final results of balloting will result in the 2024 IECC



Progress Report

Subcommittees (Recommended/Assigned)

Consistency and Administration	32/32	100%
Econ, Modeling, Metrics	86/86	100%
Electrical Power, Lighting, Renewables, Storage	117/117	100%
Envelope and Embodied Energy	89/89	100%
Existing Buildings	18/18	100%
HVACR & Water Heating	96/96	100%
Total	430/433	100%
Consensus Committee	365/433	85%
68 proposals remaining/2 meetings=34 proposals/meeting		