International Energy Conservation Code
Consensus Committee-Residential

Draft Meeting Agenda (3/7/23 posting)

Webex Meeting Link

March 9, 2023
2:00 PM EST to 5 PM EST (3 hours)

Committee Chair: JC Hudgison, CBO, Assoc. AIA
Committee Vice Chair: Bridget Herring & Robin Yochum, LEED Green Associate

1. Call to order.

2. Meeting Conduct.
   a. Identification of Representation/Conflict of Interest
   b. ICC Council Policy 7 Committees: Section 5.1.10 Representation of Interests
   c. 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.
   d. ICC Antitrust Compliance Guideline

3. Roll Call.

4. Approve Agenda

5. Approve Minutes-March 2, 2023

6. Administrative issues-staff

7. Action Items
Tabled items from 3/2

RED1-287-22(CSA reference)	HVACR as modified 8-2
RED1-291-22 PI & PII(Heat pump suppl. heat edit)	HVACR disapprove 9-0-1
RED1-293-22(Heat pump suppl. heat edit)	HVACR disapprove 9-1-0
RED1-294-22(Heat pump suppl. heat edit)	HVACR disapprove 9-1-0
RED1-295-22(R403.1.2 editorial suggestion)	HVACR disapprove 10-0
RED1-365-22(Testing and sampling)	HVACR disapprove 5-4-1
RED1-204-22(Table R402.1.2 footnote d)	Envelope as modified 19-0
RED1-211-22(Crawlspace wall insulation)	Envelope approve 18-1-1
RED1-235-22(Knee wall component)	Envelope approve 15-4

RED1-192-22(Knee wall definition)	Envelope disapprove 10-7-3
RED1-212-22(Attic knee wall)	Envelope approve 19-0
RED1-213-22(Attic knee wall)	Envelope disapprove 15-4-1
RED1-223-22 PI & PII(Prescriptive air leakage rate edit)	Envelope disapprove 19-0
RED1-241-22(Prescriptive air leakage rate edit)	Envelope disapprove 19-0
RED1-240-22(Remove prescriptive air leakage rate)	Envelope disapprove 14-3-2
RED1-242-22(Revise air tightness requirements)	Envelope approve 10-7-2

New items for review

RED1-179-22(All-electric definition update)	Electric disapprove 7-2
RED1-101-22(Zero net energy performance definition)	Electric disapprove 9-0-2
RED1-102-22(Zero net energy performance definition)	Electric disapprove 9-0-2
IRCED1-3-22(Automobile parking space)	Electric disapprove 12-0
RED1-165-22 PI & II(REC documentation edit)	Electric disapprove 11-0
RED1-98-22(Renewable energy certificate)	Electric disapprove 9-0-1
IRCED1-4-22(Renewable energy certificate)	Electric disapprove 9-0-1
RED1-97-22 PI & PII(Renewable energy certificate)	Electric disapprove 11-0
RED1-99-22(Renewable energy certificate)	Electric disapprove 9-0-1
RED1-100-22(Renewable energy certificate)	Electric disapprove 9-0-1
RED1-114-22(RECs in a minimum code)	Electric approve 7-3
RED1-363-22(Solar zone update)	Electric disapprove 9-1-0
REPCD1-21-22(Solar ready public comment)	
RED1-92-22(Construction docs solar-ready system)	Electric disapprove 9-0
RED1-93-22(Solar ready systems)	Electric disapprove 10-0
RED1-94-22(Solar system ready)	Electric as modified 10-0
RED1-239-22(Reduced air leakage requirements)	Envelope disapprove 15-2-1
RED1-215-22(Framing factor steel)	Envelope disapprove 10-2-5
RED1-229-22(Common walls)	Envelope as modified 17-0-1
IRCED1-6-22(Common wall sealing)	Envelope disapprove 16-0-0
RED1-246-22(Roof solar reflectance)	Envelope disapprove 15-0-3
RED1-216-22(Basement walls)	Envelope disapprove 10-8-1
RED1-217-22(Basement walls)	Envelope approve 10-8-1
RED1-219-22(Component general requirements)	Envelope approve 10-6-2

8. Other business.

9. Upcoming meetings. March 16 at 2 PM EST

10. Adjourn.

FOR FURTHER IECC Residential INFORMATION BE SURE TO VISIT THE ICC WEBSITE:
IECC Residential Website

Join by phone

1-844-740-1264 USA Toll Free

+1-415-655-0003 US Toll

FOR ADDITIONAL INFORMATION, PLEASE CONTACT:

Kristopher Stenger, AIA, CBO
Director of Energy Programs
International Code Council
kstenger@iccsafe.org

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-287-22 CSA reference
CDP ID #	1285
Code	IECC RE
Code Section(s)	R402.5.2.1
Location	base
Proponent	Shannon Corcoran SCorcoran@aga.org
Proposal Status	SC rev
Subcommittee	RE HVACR & WH
Subcommittee Notes	Motion to approve as modified meeting CSA p 4.1 much discussion – Proponent agreed to add information supporting to the approval before being heard by Consensus.
Recommendation	**R402.5.2.1 Gas fireplace efficiency**. All gas fireplace heaters rated to CSA/ANSI Z21.88 • CSA 2.33 shall be listed and labeled with a fireplace efficiency (FE) rating of 50 percent or greater in accordance with CSA P.4.1. Vented gas fireplaces (decorative appliances) certified to CSA/ANSI Z21.50 • CSA 2.22 shall be listed and labeled~~, including their FE ratings,~~ in accordance with CSA P.4.1. **R403.14.1 Gas fireplace efficiency.** Vented gas fireplace heaters shall have a fireplace efficiency (FE) rating determined in accordance with CSA P.4.1 of no less than 50 percent, and shall be certified, listed, and labeled in accordance with CSA/ANSI Z21.88 ◦ CSA 2.33. Vented gas fireplaces (decorative appliances) shall be certified, listed, and labeled in accordance with CSA/ANSI Z21.50 ◦ CSA 2.22. Motion to approve as modified
Vote	8/2/0
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee___x_____
Consensus Committee	

Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-291-22 PI & II Heat pump supplementary heat edit
CDP ID #	1117
Code	IECC RE
Code Section(s)	R403.1.2
Location	base
Proponent	Fredric Zwerg fredric.zwerg@swgas.com
Proposal Status	SC rev
Subcommittee	RE HVACR & WH
Subcommittee Notes	Motion and a second to disapprove with many members and interested parties speaking.
Recommendation	Motion is to disapprove
Vote	9/0/1
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee___x_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-293-22 Heat pump supplementary heat edit
CDP ID #	1440
Code	IECC RE
Code Section(s)	R403.1.2
Location	base
Proponent	Eric Tate eric.tate@atmosenergy.com
Proposal Status	SC rev
Subcommittee	RE HVACR & WH
Subcommittee Notes	Motion to approve but then the discussion changed with a motion to disapprove. Motion to disapprove carried
Recommendation	Recommendation is to disapprove
Vote	9/1/0
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee___x_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-294-22 Heat pump supplementary heat edit
CDP ID #	1390
Code	IECC RE
Code Section(s)	R403.1.2
Location	base
Proponent	Ted Williams ngdllc@outlook.com
Proposal Status	SC rev
Subcommittee	RE HVACR & WH
Subcommittee Notes	Motion to disapprove with a second
Recommendation	Motion to disapprove
Vote	9/1/0
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee__x_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-295-22 R403.1.2 editorial suggestion
CDP ID #	1018
Code	IECC RE
Code Section(s)	R403.1.2
Location	base
Proponent	Steven Rosenstock srosenstock@eei.org
Proposal Status	SC rev
Subcommittee	RE HVACR & WH
Subcommittee Notes	Motion and a second to disapprove.
Recommendation	Recommendation is to disapprove
Vote	10/0
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee__x_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-365-22 Dwelling unit sampling
CDP ID #	1509
Code	IECC RE only
Code Section(s)	R403.6.3
Location	base
Proponent	Aaron Gary aaron.gary@tempopartners.com
Proposal Status	SC rev
Subcommittee	RE HVACR
Subcommittee Notes	Motion to approve with a second failed with a vote of 4/5/1- Motion received to disapprove with a second motion carried 5/4/1
Recommendation	Recommendation is to disapprove
Vote	5/4/1
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee___x _____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-204-22 Table R402.1.2 footnote d
CDP ID #	1083
Code	IECC RE
Code Section(s)	R402.1.2 table
Location	base
Proponent	Greg Johnson gjohnsonconsulting@gmail.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	Original version - unintended application of editorial modification.
Recommendation	Approved as modified: Editorial clarification of the requirements.
Vote	19-0
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

RED1-204-22 proposed modifications:

Alternate approach: Add row to Table R402.1.2 and Table R402.1.3 and delete footnotes d and b, respectively.

TABLE R402.1.2 MAXIMUM ASSEMBLY U-FACTORS[a] AND FENESTRATION REQUIREMENTS

CLIMATE ZONE	0	1	2	3	4 except Marine	5 and Marine 4	6	7 and 8
VERTICAL FENESTRATION U-FACTOR[a]	0.50	0.50	0.40	0.30	0.30	0.28[e]	0.28[e]	0.27[e]
SKYLIGHT[d] *U*-FACTOR	0.60	0.60	0.60	0.53	0.53	0.50	0.50	0.50
GLAZED VERTICAL FENESTRATION SHGC[d,e]	0.25	0.25	0.25	0.25	0.40	NR	NR	NR
SKYLIGHT SHGC	0.28	0.28	0.28	0.28	0.40	NR	NR	NR

d. ~~The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.~~

~~**Exception:** In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.28.~~

TABLE R402.1.3 INSULATION MINIMUM R-VALUES AND FENESTRATION REQUIREMENTS BY COMPONENT[a]

CLIMATE ZONE	0	1	2	3	4 except Marine	5 and Marine 4	6	7 and 8
VERTICAL FENESTRATION U-FACTOR	0.50	0.50	0.40	0.30	0.30	0.28[e]	0.28[e]	0.27[e]
SKYLIGHT[b] *U*-FACTOR	0.60	0.60	0.60	0.53	0.53	0.50	0.50	0.50
GLAZED VERTICAL FENESTRATION SHGC[b]	0.25	0.25	0.25	0.25	0.40	NR	NR	NR
SKYLIGHT SHGC	0.28	0.28	0.28	0.28	0.40	NR	NR	NR

~~b The fenestration U-factor column excludes skylights. The SHGC column applies to all glazed fenestration.~~

~~**Exception:** In Climate Zones 0 through 3, skylights shall be permitted to be excluded from glazed fenestration SHGC requirements provided that the SHGC for such skylights does not exceed 0.28.~~

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-211-22 Crawlspace wall insulation
CDP ID #	1335
Code	IECC RE
Code Section(s)	R402.2.11.1
Location	base
Proponent	Jay Crandell jcrandell@aresconsulting.biz
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Approve 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
Vote	18-1-1
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-235-22 Knee wall component
CDP ID #	1009
Code	IECC RE
Code Section(s)	R402.5.1.1 table
Location	base
Proponent	Robby Schwarz robby@btankinc.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Approved Conditioned spaces need air barriers on both sides of the wall.
Vote	15-4-0
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-192-22 Knee wall definition
CDP ID #	996
Code	IECC RE
Code Section(s)	R202
Location	base
Proponent	Greg Johnson gjohnsonconsulting@gmail.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Disapproval Current code definition for knee walls is sufficient. Proposal could have unintended consequences.
Vote	10-7-3
Recommendation Date	
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-212-22 Attic knee-wall
CDP ID #	1090
Code	IECC RE
Code Section(s)	R402.2.3
Location	base
Proponent	Greg Johnson gjohnsonconsulting@gmail.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	Approved unanimously
Recommendation	Approval 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 insulation may need to be removed for inspection
Vote	19-0-0
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-213-22 Attic knee-wall
CDP ID #	1128
Code	IECC RE
Code Section(s)	R402.2.3
Location	base
Proponent	Alex Smith asmith@nahb.org
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Disapproved Enough flexibility is already provided. It is not appropriate to mix trade-offs and additional efficiency measures with the prescriptive path.
Vote	15-4-1
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	RED1-223-22 PI Prescriptive air leakage rate edit
CDP ID #	1481
Code	IECC RE
Code Section(s)	R402.5
Location	base
Proponent	Paul Demers paul.a.demers@maine.gov
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Disapproval 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.
Vote	19-0-0
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-223-22 PII Prescriptive air leakage rate edit
CDP ID #	1482
Code	IRC
Code Section(s)	N1102.5.1.3
Location	Base
Proponent	Paul Demers paul.a.demers@maine.gov
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Disapproval Consistency with previous action: 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.
Vote	19-0-0
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-241-22 Prescriptive air leakage rate edit
CDP ID #	1447
Code	IECC RE
Code Section(s)	R402.5.1.3
Location	base
Proponent	Michele DeFrance mdefrance@portlandmaine.gov
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Disapproval This language is contrary to the preferred practice. HRV/ERV has been proven to be cost effective in Climate Zone 6.
Vote	19-0-0
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-240-22 Remove prescriptive air leakage rate
CDP ID #	1034
Code	IECC RE
Code Section(s)	R402.5.1.2
Location	base
Proponent	Robby Schwarz robby@btankinc.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Disapproval Consistency with consensus reached on air changes per hour. Opposition to deleting the entirety of the Section on prescriptive air leakage.
Vote	14-3-2
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	RED1-242-22 Revise air tightness requirements
CDP ID #	1236
Code	IECC RE
Code Section(s)	R402.5.1.3
Location	base
Proponent	Amy Boyce amy.boyce@imt.org
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Approval Improves efficiency with reasonable improvements in envelope air tightness restoring the original Committee action. These values are easy to achieve.
Vote	10-7-2
Recommendation Date	2/8/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-179-22 All Electric Definitions
CDP ID #	
Code	IECC RE
Code Section(s)	RE102.1
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	The proposed language was not necessary for clarity. The existing proposal language was clear.
Recommendation	Disapprove
Vote	7-2-2
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	RED1-101-22 ZNE Performance
CDP ID #	
Code	IECC RE
Code Section(s)	New definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	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.
Recommendation	Disapprove
Vote	9-0-2
Recommendation Date	
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-102-22 ZNE Performance
CDP ID #	
Code	IECC RE
Code Section(s)	New definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	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.
Recommendation	Disapprove
Vote	9-0-2
Recommendation Date	
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	IRCED1-3-22 Automobile Parking Space
CDP ID #	
Code	IECC RE
Code Section(s)	Deleted definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Deletion of this definition would make the code more difficult to understand the intent.
Recommendation	Disapprove
Vote	12-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	IRCED1-3-22 Automobile Parking Space
CDP ID #	
Code	IECC RE
Code Section(s)	Deleted definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Deletion of this definition would make the code more difficult to understand the intent.
Recommendation	Disapprove
Vote	12-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-165 Parts 1&2 REC Documentation
CDP ID #	
Code	IECC RE
Code Section(s)	R406.7.3
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Proposed new language would treat different forms of renewable energy differently.
Recommendation	Disapprove
Vote	11-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-98-22 Renewable Energy Certificate (REC)
CDP ID #	
Code	IECC RE
Code Section(s)	Definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	The existing definition language for REC is consistent with ASHRAE & EPA definitions.
Recommendation	Disapprove
Vote	9-0-1
Recommendation Date	
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	IRCED1-4-22 Renewable Energy Certificate (REC)
CDP ID #	
Code	IECC RE
Code Section(s)	Definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	The existing definition language for REC is consistent with ASHRAE & EPA definitions.
Recommendation	Disapprove
Vote	9-0-1
Recommendation Date	
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-98-22 Renewable Energy Certificate (REC)
CDP ID #	
Code	IECC RE
Code Section(s)	Definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	The existing definition language for REC is consistent with ASHRAE & EPA definitions.
Recommendation	Disapprove
Vote	9-0-1
Recommendation Date	
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	IRCED1-4-22 Renewable energy certificate
CDP ID #	1265
Code	IRC
Code Section(s)	N1101.6
Location	base
Proponent	Tom Ortiz tortiz@npga.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	
Recommendation	
Vote	
Recommendation Date	
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-97-22 Parts 1&2 RENEWABLE ENERGY CERTIFICATE (REC).
CDP ID #	
Code	IECC RE
Code Section(s)	Definitions
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	The existing language is same as EPA language and has been thoroughly discussed. There could be issues with property rights language with the proposed.
Recommendation	Disapprove
Vote	11-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-99-22 RENEWABLE ENERGY CERTIFICATE (REC).
CDP ID #	
Code	IECC RE
Code Section(s)	Definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Different states have varying requirements for RECs. This language might not be compatible in some states and jurisdictions.
Recommendation	Disapprove
Vote	9-0-1
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-100-22 Renewable Energy Certification (REC)
CDP ID #	
Code	IECC RE
Code Section(s)	Definitions
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Different states have varying requirements for RECs. This language might not be compatible in some states and jurisdictions.
Recommendation	Disapprove
Vote	9-0-1
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-114-22 Renewable Energy Certificate
CDP ID #	
Code	IECC RE
Code Section(s)	Definition
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	
Recommendation	Approve as submitted
Vote	7-3-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-363-22 On-site renewable energy
CDP ID #	
Code	IECC RE
Code Section(s)	R404.4; Definitions
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Requiring solar PV-ready is better as a first step that requiring that a solar PV system be installed. This proposal would likely have little chance of passing the full Consensus Committee.
Recommendation	Disapprove
Vote	9-1-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-92-22 Solar Ready System
CDP ID #	
Code	IECC RE
Code Section(s)	R103.2.2
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	This proposal would eliminate the requirement for a solar-ready zone in new construction.
Recommendation	Disapprove
Vote	9-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee_____ To Advisory Group_____ To Consensus Committee___X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-093-22 Solar-ready systems
CDP ID #	1237
Code	IECC RE
Code Section(s)	R103.2.2
Location	base
Proponent	Tom Ortiz tortiz@npga.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	
Recommendation	Based on previous action on RED1-11-22
Vote	Disapprove 12-0
Recommendation Date	2/17/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	RED1-094-22 Solar-system ready
CDP ID #	972
Code	IECC RE
Code Section(s)	R103.2.2
Location	base
Proponent	Alex Smith asmith@nahb.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	
Recommendation	Primarily editorial. Coordinates structural language with IRC. Modification **R103.2.2 Solar-ready system.** The construction documents shall ~~provide details for~~ indicate dedicated roof area for a solar-ready zone, ~~structural design for~~ roof dead load, ~~and~~ roof live load, ~~wind loads~~ ground snow load, and routing of conduit or pre-wiring from solar-ready zone to electrical service panel or plumbing from solar-ready zone to service water heating system.
Vote	Approve as modified 12-0
Recommendation Date	2/17/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-239-22 Reduced air leakage requirements
CDP ID #	1379
Code	IECC RE
Code Section(s)	R402.5.1.2
Location	base
Proponent	Anjana Agarwal anjana@theadhocgroup.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	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).
Vote	15-2-1 to disapprove
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-215-22 Framing factor with steel frame u-factor
CDP ID #	1238
Code	IECC RE
Code Section(s)	R402.2.7
Location	base
Proponent	Jay Crandell jcrandell@aresconsulting.biz
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Proponent states intent is to clarify but provided not substantiation and does not clarify as intended. It also does not provide a cost or energy efficiency substantiation.
Vote	10-2-5 disapproval
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-229-22 Common walls
CDP ID #	1041
Code	IECC RE
Code Section(s)	R402.5.1.1 table
Location	base
Proponent	Jeremy Wright jeremy@jwrighthomedesign.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Resolves potential conflict in draft 1 language for fire-resistance rated wall assemblies and provides more clarity.
Vote	17-0-1 approve as modified
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

RED1-229 - Modification

TABLE R402.5.1.1 AIR BARRIER, AIR SEALING AND INSULATION INSTALLATION[a]

Portions of table not shown remain unchanged.

COMPONENT	AIR BARRIER CRITERIA	INSULATION INSTALLATION CRITERIA
Common walls or double walls separating attached single-family dwellings or townhouses	~~Air sealing materials recognized in a listed fire-resistance rated common wall or double wall design and installed in accordance with the listing, or air sealing materials recognized in an approved design, shall be used.~~ ~~Common walls or double walls shall be considered an exterior wall for the purposes of air barrier and air sealing application of this Table.~~ An interior air barrier shall be provided. Air sealing at the intersections with building thermal envelope shall be provided. Where installed in a fire-resistance rated wall assembly, air sealing materials shall comply with one of the following: 1. be in accordance with an *approved* design for the fire-resistance rated assembly. 2. be supported by *approved* data that shows the assembly as installed complies with the required fire-resistance rating.	Insulation materials recognized in the *approved* ~~listed~~ common wall or double-wall design and installed in accordance with the ~~listing, or insulation materials recognized in the approved~~ *approved* design~~,~~ shall be permitted to be used.

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	IRCED1-6-22 common wall sealing
CDP ID #	1473
Code	IRC
Code Section(s)	N1102.5.1.1 table
Location	base
Proponent	Rob Brooks rob@rtbrooks.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Request to disapprove by proponent based on approval (AM) of RED1-239.
Vote	16-0
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-246-22 Roof solar reflectance
CDP ID #	1207
Code	IECC RE
Code Section(s)	R402.7
Location	base
Proponent	Jacob Miller jmiller@smartsurfacescoalition.org
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Technical justification provided does not address energy savings. Not cost justified as proposed.
Vote	15-0-3 disapprove
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee__X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-216-22 Basement walls
CDP ID #	1006
Code	IECC RE
Code Section(s)	R402.2.9
Location	base
Proponent	Robby Schwarz robby@btankinc.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	
Recommendation	Fails to add clarity and could potentially cause confusion. Fails to add value.
Vote	10-8-1 disapproval
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee_X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____

Date	

RED1-216-22 – Modification not heard by subcommittee

Proponents: Robert Schwarz, representing BUILDTank, Inc. (robby@btankinc.com)

2024 International Energy Conservation Code [RE Project]

Revise as follows and as modified in Blue:

R402.2.9 Basement walls. Basement walls shall be insulated in accordance with Table R402.1.3

Exception: Basement walls associated with unconditioned basements where all of the following requirements are met:

1. The floor overhead, including the underside stairway stringer leading to the basement, is insulated in accordance with ~~Section~~ Table R402.1.3 and ~~applicable provisions of~~ Sections ~~R402.2~~ ~~and~~ R402.2.8.

2. There are no uninsulated duct, domestic hot water, or hydronic heating surfaces exposed to the basement.

3. There are no HVAC supply or return diffusers serving the basement.

4. The walls surrounding the stairway and adjacent to conditioned space are insulated in accordance with Section R402.1.3 and applicable provisions of Section R402.2.

5. The door(s) leading to the basement from conditioned spaces are insulated in accordance with Sections R402.1.3 and applicable provisions of Section R402.2,and weather-stripped in accordance with Section R402.5.

6. The building thermal envelope separating the basement from adjacent conditioned spaces complies with Section R402.5.

R402.2.9.1 Basement wall insulation installation

Where *basement walls* enclosing conditioned basements are insulated, the insulation shall ~~be installed from the top of the *basement wall* down to 10 feet (3048 mm) below grade or to the basement floor,~~

~~whichever is less.~~ comply with the following, or shall be installed in accordance with the proposed design, as applicable.

1. Where exterior basement wall insulation is installed, it shall be permanently attached to the wall and extend downward from the sill plate to not less than the base of the foundation wall ~~footing~~ or 10 feet, whichever is less.

2. Where interior basement wall insulation is installed, it shall be permanently attached to the foundation wall and extend downward from the sill plate at the top of the foundation wall to the finished floor below.

Reason Statement:

This proposal was disapproved by a very close vote off 10/8 after significant discussion that provided guidance for the modifications made above in blue. The modification is made addresses three points that were made.

1. Some of the language was modified to mirror language in R402.2.11.1 Crawl space wall insulation installation which also breaks out the installation of insulation on the interior and exterior of the foundation wall.
2. It was pointed out that using the word footing was unclear since one might not know where on the footing to stop the installation of the exterior insulation. To create better alignment with the new crawl space foundation wall insulation section footing has been removed and replaced with "base of the foundation wall" since foundation walls may or may not be poured on a footing.
3. The charging language if R402.2.9.1 was modified in recognition that performance approaches for code compliance may allow only partial coverage of the foundation wall with insulation,

Section R402.2.9.1 Basement wall insulation installation is specific to *basement walls* enclosing conditioned basements because the proceeding section exception is specific to Basement walls associated with unconditioned basements. The language needs to be clear that R402.2.9.1 is defining the building thermal envelope to include the basement as part of the conditioned space.

Modifications have been made to section R402.2.9.1 per guidance from the envelope subcommittee to align the basement insulation installation requirements with the crawl space wall insulation installation that was approved by the subcommittee unanimously.

In section R402.2.9 Basement Walls the exception defines an unconditioned basement and refers to a section of code that is actually a table and then should point directly to floor insulation installation to separate the unconditioned basement from the conditioned living space above. The proposal fixes this confusion.

Foundation walls that define a conditioned basement can and often are insulated from the exterior. The language has been changed in this proposal to provide requirements for installation for not only interior application but also exterior insulation installation. Both installs require full coverage from the sill plate downward as was done with the stricken language to ensure full coverage.

Cost

This proposal does not impact the cost of construction. Instead, it provides greater flexibility in how basement assemblies can be insulated. It also better defines unconditioned basements and how to insulate from the interior or exterior.

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-217-22 Basement walls
CDP ID #	1016
Code	IECC RE
Code Section(s)	R402.2.9.1
Location	base
Proponent	Alex Smith asmith@nahb.org
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	Motion to disapprove failed
Recommendation	Clarifies the relationship between the prescriptive path and both performance paths regarding basement walls.
Vote	10-8-1 approval
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee__X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	RED1-219-22 Component general requirements
CDP ID #	1011
Code	IECC RE
Code Section(s)	R402.4.1.1 table
Location	base
Proponent	Robby Schwarz robby@btankinc.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	Motion to disapprove failed
Recommendation	Provides needed clarity to commonly misunderstood building envelope insulation and air barrier installation requirements.
Vote	10-6-2 for approval
Recommendation Date	2/22/23
Next Step	To Subcommittee To Advisory Group_____ To Consensus Committee__X_____
Consensus Committee	
Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	