



International Energy Conservation Code Consensus Committee-Residential

Draft Meeting Agenda (2/28/23 posting)

[Webex Meeting Link](#)

March 2, 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-February 16, 2023
6. Administrative issues-staff
7. Action Items
Tabled items from 2/16

RED1-272-22(R503.1.1.3 modification)	Existing Bldg disapprove 4-1-1
RED1-271-22(Above grade wall alterations)	Existing Bldg approve 6-0
RED1-265-22(Addition modification)	Existing Bldg disapprove 7-0
RED1-274-22(R503 addition modification)	Existing Bldg disapprove 4-3
RED1-127-22(Replace fossil fuel with fuel gas/oil)	Electric disapprove 10-0
RED1-128-22(Cooking products modification)	Electric as modified 12-0
RED1-131-22(Clothes dryer)	Electric approve 9-0-1
RED1-132-22(Electric readiness comment)	Electric disapprove 10-0
RED1-129-22(Electric ready space heat and cool)	Electric disapprove 10-0

RED1-156-22(EV infrastructure exceptions)
RED1-157-22(Update EV infrastructure utility cost)

Electric split 5-5-1
Electric approve 10-1

New items for review

RED1-95-22(EV Ready)
RED1-96-22(EV-Ready space)
REPCD1-10-22(City of Minneapolis comments)
RED1-116-22(Electric Readiness)
REPCD1-23-22(Electrification)
RED1-18-22(Compliance documents)
RED1-8-22(Appendices)
RED1-9-22(Applicability)
RED1-10-22(Code compliance agency)
RED1-15-22(Elect. Rough-in solar ready zones)
RED1-17-22(Means of appeal)
RED1-7-22(RESnet 301 reference update)
RED1-1-22(Appendix RC revisions)
RED1-67-22(R406.5 editorial)
RED1-68-22 PI & PII(Remove ERI exception)
RED1-70-22(Remove input values section)
RED1-88-22(Envelope efficiency in Appendix RC)
RED1-35-22(Simulated performance edits)
RED1-36-22(Add. Efficiency for large homes)
RED1-40-22(Perf. Path large building threshold)
RED1-287-22(CSA reference)
RED1-291-22 PI & PII(Heat pump suppl. heat edit)
RED1-293-22(Heat pump suppl. heat edit)
RED1-294-22(Heat pump suppl. heat edit)
RED1-295-22(R403.1.2 editorial suggestion)
RED1-365-22(Testing and sampling)
RED1-204-22(Table R402.1.2 footnote d)
RED1-211-22(Crawlspace wall insulation)
RED1-235-22(Knee wall component)
RED1-192-22(Knee wall definition)
RED1-212-22(Attic knee wall)
RED1-213-22(Attic knee wall)
RED1-223-22 PI & PII(Prescriptive air leakage rate edit)
RED1-241-22(Prescriptive air leakage rate edit)
RED1-240-22(Remove prescriptive air leakage rate)
RED1-242-22(Revise air tightness requirements)

Electric disapprove 12-0-0
Electric disapprove 9-1-2

Electric as modified 11-0

Admin as modified 4-0
Admin approve 4-0
Admin approve 4-0
Admin approve 4-0
Admin disapprove 4-0
Admin approve 3-0-1
Admin approve 3-0-1
Modeling as modified 14-0-1
Modeling approve 14-0-1
Modeling disapprove 14-0-1
Modeling disapprove 15-0-0
Modeling disapprove 8-7
Modeling as modified 15-0-0
Modeling disapprove 7-5-3
Modeling disapprove 7-6-2
HVACR as modified 8-2
HVACR disapprove 9-0-1
HVACR disapprove 9-1-0
HVACR disapprove 9-1-0
HVACR disapprove 10-0
HVACR disapprove 5-4-1
Envelope as modified 19-0
Envelope approve 18-1-1
Envelope approve 15-4
Envelope disapprove 10-7-3
Envelope approve 19-0
Envelope disapprove 15-4-1
Envelope disapprove 19-0
Envelope disapprove 19-0
Envelope disapprove 14-3-2
Envelope approve 10-7-2

8. Other business.

9. Upcoming meetings. March 9 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 #	RED1-272-22 R503.1.1.3 modification
CDP ID #	1358
Code	IECC RE
Code Section(s)	R503.1.1.3
Location	base
Proponent	Shane Hoeper shoeper@cityofdubuque.org
Proposal Status	SC rev
Subcommittee	RE Existing Bldg
Subcommittee Notes	
Recommendation	<i>Reason: Proposal deals with a small section of work area and that it does not appear to be cost ineffective nor detrimental to the project nor building.</i>
Vote	Disapprove 4-1-1
Recommendation Date	2/7/23
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 #	RED1-271-22 Above grade wall alterations
CDP ID #	1201
Code	IECC RE
Code Section(s)	R503.1.1.3
Location	base
Proponent	Daniel Carroll daniel.carroll@dos.ny.gov
Proposal Status	SC rev
Subcommittee	RE Existing Bldg
Subcommittee Notes	
Recommendation	<i>Reason: these edits should have been in the Code already and so supports proposed language.</i>
Vote	Approve 6-0
Recommendation Date	2/7/23
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 #	RED1-265-22 Addition modification
CDP ID #	1356
Code	IECC RE
Code Section(s)	R501.7
Location	base
Proponent	Shane Hoeper shoeper@cityofdubuque.org
Proposal Status	SC rev
Subcommittee	RE Existing Bldg
Subcommittee Notes	
Recommendation	<i>Reason:Code language is overarching and pertinent to many projects and so should not be struck by Proposal.</i>
Vote	Disapprove 7-0
Recommendation Date	2/7/23
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 #	RED1-274-22 R503 addition modification
CDP ID #	1357
Code	IECC RE
Code Section(s)	R503.1.1.5
Location	base
Proponent	Shane Hoeper shoeper@cityofdubuque.org
Proposal Status	SC rev
Subcommittee	RE Existing Bldg
Subcommittee Notes	
Recommendation	<i>Reason: eliminating language would make Code intent less clear and possibly weaken Code and that the current passage is not overly long nor complex so should stay.</i>
Vote	disapprove 4-3
Recommendation Date	2/7/23
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 #	RED1-127-22 Replace fossil fuel with fuel gas/oil
CDP ID #	1027
Code	IECC RE
Code Section(s)	R404.5
Location	base
Proponent	Renee Lani rlani@apga.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	The committee felt that the changes were not necessary and the language did not clarify the existing term.
Recommendation	Motion to Disapprove PC, 2 nd AM (10-0-0)
Vote	10-0-0
Recommendation Date	2/6/23
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 #	RED1-128-22 Cooking products modification
CDP ID #	1141
Code	IECC RE
Code Section(s)	R404.5.1
Location	base
Proponent	Shane Hoeper shoeper@cityofdubuque.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	The committee felt that the changes accurately described the type of appliances used for cooking and the technical changes better reflected the electrical requirements.
Recommendation	Motion to approve as amended BR, 2 nd AM
Vote	12-0-0
Recommendation Date	2/6/23
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 #	RED1-131-22 Clothes dryer
CDP ID #	1186
Code	IECC RE
Code Section(s)	R404.5.2
Location	base
Proponent	Shane Hoeper shoeper@cityofdubuque.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	The committee felt that the changes accurately described the type of appliances used for cooking and the technical changes better reflected the electrical requirements.
Recommendation	Motion to approve as submitted BR, 2 nd SH
Vote	9-0-1
Recommendation Date	2/6/23
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 #	RED1-132-22 Electric readiness comment
CDP ID #	1058
Code	IECC RE
Code Section(s)	R404.5.4
Location	base
Proponent	Douglas Presley dpresley@dandelionenergy.com
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	The committee felt there were concerns in some parts of the country based on climate zones. The pointer reference to chapter 37 of the IRC was not deemed appropriate.
Recommendation	Motion to disapprove BR, 2 nd AM
Vote	10-0-0
Recommendation Date	2/6/23
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 #	RED1-129-22 Electric ready space heat and cool
CDP ID #	1327
Code	IECC RE
Code Section(s)	R404.5.1
Location	base
Proponent	Adam Berry adam.berry@state.co.us
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	The committee felt there were concerns in some parts of the country based on climate zones.
Recommendation	Motion to disapprove BR, 2 nd AM
Vote	10-0-0
Recommendation Date	2/6/23
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 #	RED1-156-22 EV infrastructure exceptions
CDP ID #	1333
Code	IECC RE
Code Section(s)	R404.7.4
Location	base
Proponent	Adam Berry adam.berry@state.co.us
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	
Recommendation	Motion to send this to the consensus committee without a recommendation, BR, 2 nd AM (11-0-1)
Vote	Disapprove (5-5-2), Approve as Mod (5-5-2)
Recommendation Date	2/6/23
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 #	RED1-157-22 Update EV infrastructure utility cost for inflation
CDP ID #	1373
Code	IECC RE
Code Section(s)	R404.7.4
Location	base
Proponent	Steven Rosenstock srosenstock@eei.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	The committee felt that the change is in line with inflation measures and provides a fair value for the future.
Recommendation	Motion to approve BR, 2 nd AM (10-1-0)
Vote	approve 10-1-0
Recommendation Date	2/6/23
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 #	RED1-95-22 Electric Vehicle (EV)
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 proposal language is consistent with the definitions in other codes for Electric Vehicle.
Recommendation	Disapprove
Vote	12-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee _____ To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	RED1-96-22 EV-Ready Space
CDP ID #	
Code	IECC RE
Code Section(s)	R404.7.1; Definitions
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	<p>This proposal would modify the definition of EV-Ready, eliminate the use of EV-Capable spaces, and increase the percentage of EV spaces in multi-family dwellings from 40% to 100%. The Subcommittee voted for disapproval for these reasons:</p> <ul style="list-style-type: none"> • To move from 0% to 100% in one code cycle would be burdensome. • Proponents should consider separate proposals instead of modifying the existing. • Separate branch circuits from each dwelling unit to the parking space is often impractical and cost-prohibitive. Automatic Load Management (ALMS) may be a better solution. • Adding signage could conflict with local sign requirements and may be confusing.
Recommendation	Disapprove
Vote	9-1-2
Recommendation Date	2/17/2023
Next Step	To Subcommittee _____ To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
Consensus Committee	

Committee Response	
Vote	Affirmative_____ Negative_____ Table_____ To Subcommittee_____
Date	



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	RED1-116-22 Electric Readiness
CDP ID #	
Code	IECC RE
Code Section(s)	R404.5
Location	
Proponent	Residential Electrical, Power, Lighting and Renewables Subcommittee
Proposal Status	
Subcommittee	RE EPLR
Subcommittee Notes	Edited for clarity. The word "of" was deleted before "...Sections R404.5.1...".
Recommendation	Approve as modified
Vote	11-0-0
Recommendation Date	2/17/2023
Next Step	To Subcommittee _____ To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	RED1-018-22 Compliance documents
CDP ID #	1326
Code	IECC RE
Code Section(s)	R202
Location	base
Proponent	Robby Schwarz robby@btankinc.com
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	<p>Modified to read: "Documents created to demonstrate compliance that are developed and reviewed prior to the issuance of the building permit or before certificate of occupancy is released."</p> <p>This proposal was further modified from its original state to include other sections of the code. Supplemental material provided</p>
Recommendation	Approve as modified
Vote	4-0-0
Recommendation Date	2-15-2023
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 #	RED1-008-22 Appendices
CDP ID #	1048
Code	IECC RE
Code Section(s)	R101.2.1
Location	base
Proponent	Mike Nugent bcac@iccsafe.org
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	Proposal provide consistency with the other International Codes regarding appendices
Recommendation	Approve as submitted
Vote	4-0-0
Recommendation Date	2-15-2023
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 #	RED1-009-22 Applicability
CDP ID #	1049
Code	IECC RE
Code Section(s)	R102
Location	base
Proponent	Mike Nugent bcac@iccsafe.org
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	Proposal aligns with the other I-codes
Recommendation	Approve as submitted
Vote	4-0-0
Recommendation Date	2-15-2023
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 #	RED1-010-22 Code compliance agency
CDP ID #	1051
Code	IECC RE
Code Section(s)	R103
Location	base
Proponent	Mike Nugent bcac@iccsafe.org
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	Proposal aligns the IECC with the other I-codes
Recommendation	Approve as submitted
Vote	4-0-0
Recommendation Date	2-15-2023
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 #	RED1-015-22 Electrical rough-in solar ready zones
CDP ID #	1279
Code	IECC RE
Code Section(s)	R105.2.6
Location	base
Proponent	Adam Berry adam.berry@state.co.us
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	Language is redundant and already covered by existing language in Section R105.2.6
Recommendation	Disapproval
Vote	4-0-0
Recommendation Date	2-15-2023
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 #	RED1-017-22 Means of appeal
CDP ID #	1052
Code	IECC RE
Code Section(s)	R110
Location	base
Proponent	Mike Nugent bcac@iccsafe.org
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	Proposal coordinates the language in this section with the family of codes
Recommendation	Approve as submitted
Vote	3-0-1
Recommendation Date	2-15-2023
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 #	RED1-007-22 RESnet 301 update
CDP ID #	979
Code	IECC RE
Code Section(s)	Chapter 6
Location	base
Proponent	Ryan Meres ryan.meres@gmail.com
Proposal Status	SC rev
Subcommittee	RE Admin
Subcommittee Notes	SC feels this proposal provides the most up-to-date RESNET language in the IECC
Recommendation	Approve as submitted
Vote	3-0-1
Recommendation Date	2-15-2023
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 #	RED1-001-22 Revisions
CDP ID #	1380
Code	IECC RE
Code Section(s)	Appendix RC
Location	Appendix
Proponent	Gayathri Vijayakumar gayathri@swinter.com
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	SC voted to approve to align with prior Main Committee action on RECPI-11
Recommendation	Motion to Approve as Modified: Gayathri Vijayakumar 2 nd Kelly Thomas
Vote	Approve As Modified 14 YES; 0 NO; 1 Abstain
Recommendation Date	February 14, 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 #	RED1-067-22 R406.5 editorial
CDP ID #	1431
Code	IECC RE
Code Section(s)	R406.5
Location	Base
Proponent	Greg Johnson gjohnsonconsulting@gmail.com
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	Editorial improvements
Recommendation	Motion to Approve: Aaron Gary; 2 nd Thomas Marston
Vote	Approve 14 YES; 0 NO; 1 Abstain
Recommendation Date	February 14, 2023
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	RED1-068-22 PI Remove ERI exception
CDP ID #	1255
Code	IECC RE
Code Section(s)	R406.5
Location	Base
Proponent	Tom Ortiz tortiz@npga.org
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	RED1-068-22 Parts I & II heard and voted on together. The SC voted to Disapprove because the Exception is needed to allow a choice to use the more stringent ERI max value, where on-site renewables are installed but not used to calculate the ERI
Recommendation	Motion to Disapprove: Gayathri Vijayakumar; 2 nd Vladimir Kochkin
Vote	Disapprove 14 YES; 0 NO; 1 Abstain
Recommendation Date	February 14, 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 #	RED1-068-22 PII Remove ERI exception
CDP ID #	1292
Code	IRC
Code Section(s)	N1106.5
Location	Base
Proponent	Tom Ortiz tortiz@npga.org
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	RED1-068-22 Parts I & II heard and voted on together. The SC voted to Disapprove because the Exception is needed to allow a choice to use the more stringent ERI max value, where on-site renewables are installed but not used to calculate the ERI
Recommendation	Motion to Disapprove: Gayathri Vijayakumar; 2nd Vladimir Kochkin
Vote	Disapprove 14 YES; 0 NO; 1 Abstain
Recommendation Date	February 14, 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 #	RED1-070-22 Remove input values section
CDP ID #	1353
Code	IECC RE
Code Section(s)	R406.7.6
Location	Base
Proponent	Craig Conner craig.conner@mac.com
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	The guidance on input values is helpful to the code user and should be retained.
Recommendation	Motion to Disapprove: Ian Finlayson; 2 nd Ben Edwards
Vote	Disapprove 15 YES; 0 NO; 0 Abstain
Recommendation Date	February 14, 2023
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	RED1-088-22 Envelope efficiency in Appendix RC
CDP ID #	1362
Code	IECC RE
Code Section(s)	RC103.3
Location	Appendix
Proponent	Amy Boyce amy.boyce@imt.org
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	SC first heard Motion to Approve: Amy Boyce; 2nd Jerry Phelan. After discussion the Motion to Approve failed. Proposal places an undue burden on a building to meet code even though it is demonstrated to reach Zero Energy Home
Recommendation	Motion to Disapprove: Thomas Marston; 2 nd Ryan Meres
Vote	Disapprove 8 YES; 7 NO; 0 Abstain
Recommendation Date	February 14, 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 #	RED1-035-22 Simulated performance edits
CDP ID #	1391
Code	IECC RE
Code Section(s)	R405.1
Location	Base
Proponent	Greg Johnson gjohnsonconsulting@gmail.com
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	Modified proposal removed technical changes and resolved editorial concerns to clarify "simulated building performance" and "approved" source.
Recommendation	<p>Motion to Approve as Modified: Jay Crandell; 2nd Gayathri Vijayakumar</p> <p>Modification by proponent to strike proposed change to Table R405.2, R405.3.2.1, and R405.3.2.2.</p> <p>R405.2 Simulated <u>building</u> performance compliance.</p> <p>Compliance based on <u>simulated</u> building performance requires that a <i>proposed design</i> meets all of the following:</p>
Vote	Approve as Modified: 15 YES; 0 NO; 0 Abstain
Recommendation Date	February 14, 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 #	RED1-036-22 Additional efficiency for large homes
CDP ID #	1306
Code	IECC RE
Code Section(s)	R405.2
Location	Base
Proponent	Kevin Rose krose@neea.org
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	Motion to disapprove based on prior action of Main Committee
Recommendation	Motion to Disapprove: Vladimir Kochkin; 2 nd Gayathri Vijayakumar
Vote	Disapprove 7 YES; 5 NO; 3 Abstain
Recommendation Date	February 14, 2023
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	



International Energy Conservation Code Code Change Proposal Tracking Sheet

Proposal #	RED1-040-22 Performance path large building threshold
CDP ID #	1348
Code	IECC RE
Code Section(s)	R405.2
Location	Base
Proponent	Amy Boyce amy.boyce@imt.org
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	SC first discussed a Motion to Approve: Jay Crandell; 2 nd Amy Boyce. After discussion the Motion to Approve failed to gain majority. Motion to disapprove based on prior action of Main Committee
Recommendation	
	Motion to Disapprove: Vladimir Kochkin; 2 nd Gayathri Vijayakumar
Vote	Disapprove 7 YES; 6 NO; 2 Abstain
Recommendation Date	February 14, 2023
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee <u> X </u>
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	



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	Motion to approve as modified
Vote	8/2/0
Recommendation Date	2/13/2023
Next Step	To Subcommittee To Advisory Group _____ To Consensus Committee <input checked="" type="checkbox"/> _____
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 <input checked="" type="checkbox"/> _____
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 <input checked="" type="checkbox"/> _____
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 <input checked="" type="checkbox"/> _____
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 <input checked="" type="checkbox"/> _____
Consensus Committee	
Committee Response	
Vote	Affirmative _____ Negative _____ Table _____ To Subcommittee _____
Date	

RED1-365-22

IECC: R403.6.3, R403.6.4 (New)

Proponents: Aaron Gary, representing Tempo, Inc. (aaron.gary@tempopartners.com)

2024 International Energy Conservation Code [RE Project]

Revise as follows:

R403.6.3 Testing. ~~Mechanical~~ Each mechanical ventilation systems shall be tested and verified to provide the minimum ventilation flow rates required by Section R403.6, in accordance with ANSI/RESNET/ICC 380. Where required by the code official, testing shall be conducted by an *approved* third party. A written report of the results of the test shall be signed by the party conducting the test and provided to the code official.

Exceptions:

1. Kitchen range hoods that are ducted to the outside with 6-inch (152 mm) or larger , a length of 10ft (3048 mm) or less, and not more than two 90° elbows or equivalent shall not require testing.
2. A third-party test shall not be required where the ventilation system has an integrated diagnostic tool used for airflow measurement, programmable airflow settings, and a user interface that communicates the installed airflow rate.
3. Where tested in accordance with Section R403.6.4, testing of each mechanical ventilation system is not required.

Add new text as follows:

R403.6.4 Dwelling unit sampling. For buildings with eight or more dwelling units the mechanical ventilation systems in the greater of seven, or 20 percent of the dwelling units in the building shall be tested, including a top floor unit, a ground floor unit, a middle floor unit, and the unit with the largest conditioned floor area. Where buildings have fewer than eight dwelling units, the mechanical ventilation systems in each unit shall be tested. Where the ventilation flow rate of a mechanical ventilation system is less than the minimum permitted mechanical ventilation rate, corrective actions shall be made to the system and the system retested until it passes. For each tested dwelling unit that has a lesser ventilation flow rate than the minimum permitted ventilation flow rate, an additional three dwelling units, including the corrected unit, shall be tested.

Reason: The committee approved a sampling methodology for demonstrating compliance in the envelope leakage and duct leakage sections. Not approving the same methodology and as a result requiring every bath fans, kitchen hoods, and supply fans to be tested in every dwelling unit does not make sense. The ventilation testing can be more time-consuming than the duct leakage and envelope testing while the resulting negative impact of non-compliance of ventilation systems is less than that of the envelope and duct leakage testing.

Updated Simulated Path table to give direction on how to input results when testing is performed with or without a sampling methodology.

Cost Impact: The code change proposal will decrease the cost of construction.

Reducing the number of tests required to demonstrate compliance will reduce the burden and cost of compliance verification.



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	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4 except Marine</u>	<u>5 and Marine 4</u>	<u>6</u>	<u>7 and 8</u>
<u>VERTICAL</u> FENESTRATION U-FACTOR ^d	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 <u>VERTICAL</u> FENESTRATION SHGC ^{d,e}	0.25	0.25	0.25	0.25	0.40	NR	NR	NR
<u>SKYLIGHT</u> SHGC	<u>0.28</u>	<u>0.28</u>	<u>0.28</u>	<u>0.28</u>	<u>0.40</u>	<u>NR</u>	<u>NR</u>	<u>NR</u>

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	<u>0</u>	<u>1</u>	<u>2</u>	<u>3</u>	<u>4 except Marine</u>	<u>5 and Marine 4</u>	<u>6</u>	<u>7 and 8</u>
<u>VERTICAL</u> FENESTRATION U-FACTOR	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 <u>VERTICAL</u> FENESTRATION SHGC ^d	0.25	0.25	0.25	0.25	0.40	NR	NR	NR
<u>SKYLIGHT</u> SHGC	<u>0.28</u>	<u>0.28</u>	<u>0.28</u>	<u>0.28</u>	<u>0.40</u>	<u>NR</u>	<u>NR</u>	<u>NR</u>

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 Crawl space 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 <u>X</u> _____
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 <u>X</u> _____
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 <u>X</u> _____
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	

