Webex Meeting Link

March 17, 2022
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.

(3/11 posting)

REPI-122-21 (Performance Path) (Econ/Modeling disapprove 10-9)
REPI-123-21 (Perf. Mechanical tradeoff) (Econ/Modeling disapprove 11-7-1)
REPI-54-21 (Air Sealing Windows, Skylights)(Envelope disapprove 13-6)
REPI-37-21 (Crawlspace Walls) [illegible]

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-032-21 Low Slope Roof in R U Tables
CDP ID #	393
Code	IECC RE
Code Section(s)	R402.1.2 table, TABLE R402.1.3, R402.2.1, R402.2.2 New Section n
Location	base
Proponent	Darren Meyers dmeyers@ieccode.com
Proposal Status	SC rev
Subcommittee	RE Envelope
Subcommittee Notes	Unintended erratum in table to be corrected. Lessening insulation higher U factors/lower R-values for some roofs sourced from commercial code; point made that the typical configuration of residential buildings is different from large commercial buildings.
Recommendation	Motion to approve with intent to modify (modification adapted based on comments), Amy Schmitt; Charlie Allen seconded (1-14 motion fails) Motion to disapprove by Chris Mathis; Alison Lindberg seconded. Reason: residential and commercial roof provisions are different for a good reason; roofs have greater effect on overall envelope performance on residential buildings. no reason to relax residential to match commercial provision.
Vote	15 yes 1 no motion carries
Recommendation Date	2/16/22
Next Step	To Subcommittee______ To Advisory Group______ To Consensus Committee____XX____
Consensus Committee	
Committee Response	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-146-21 Roof replacement
CDP ID #	356
Code	IECC RE
Code Section(s)	R503.1 New Section n
Location	base
Proponent	Darren Meyers dmeyers@ieccode.com
Proposal Status	SC rev
Subcommittee	RE Existing Building
Subcommittee Notes	Reason; the accompany code change for commercial was disapproved and the proponent asked the sub-committee to disapproved
[redacted]	Paul Demers – Made the motion to disapprove Jim Zengal - Second

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-116-21 Performance Path Renewable tradeoffs
CDP ID #	127
Code	IECC RE
Code Section(s)	R405.1, R405.2, TABLE R405.4.2(1) New Section n
Location	base
Proponent	Rob V. Salcido jeremy.williams@ee.doe.gov
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	Proponent submitted a significant modification at prior meeting. Proposal modified to reduce trade-off for renewables.
Recommendation	Approve as Modified

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-133-21 Part I ERI renewable 5 percent
CDP ID #	559
Code	IECC RE
Code Section(s)	R406.4 New Section n
Location	base
Proponent	Craig Conner craig.conner@mac.com
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	Proposal to allow ERI path to be partially met with onsite renewable energy
Recommendation	Motion for Disapproval by Ben Edwards 2nd by Amy Boyce

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-133-21 Part II ERI renewable 5 percent
CDP ID #	582
Code	IRC
Code Section(s)	N1106.4 New Section n
Location	base
Proponent	Craig Conner craig.conner@mac.com
Proposal Status	SC rev
Subcommittee	RE Econ, Model, Metric
Subcommittee Notes	Motion for disapproval and Vote consistent with prior action on REPI 133 part 1
Recommendation	Disapproval Motion by Ben Edwards 2nd by Amy Boyce
Vote	Disapproval 10-8, 1 abstain

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-134-21 ERI renewable 5 percent
CDP ID #	472
Code	IECC RE
Code Section(s)	R406.4 New Section n
Location	base
Proponent	Joe Cain JoeCainPE@gmail.com
Proposal Status	

Proposed modification by Proponent 3.8.22

REPI-122-21

IECC®: TABLE R405.4.2(1)

Proponents: Vladimir Kochkin, NAHB, representing NAHB (vkochkin@nahb.org)

2021 International Energy Conservation Code

Revise as follows:

R401.2.5 Additional energy efficiency. This section establishes additional requirements applicable to all compliance approaches to achieve additional energy efficiency.

1. For buildings complying with Section R401.2.1, one of the additional efficiency package options shall be installed according to Section R408.2.

~~2. For buildings complying with Section R401.2.2, the building shall meet one of the following:~~

~~2.1. One of the additional efficiency package options in Section R408.2 shall be installed without including such measures in the proposed design under Section R405; or~~

~~2.2. The proposed design of the building under Section R405.3 shall have an annual energy cost that is less than or equal to 95 percent of the annual energy cost of the standard reference design.~~

~~3.~~ 2. For buildings complying with the Energy Rating Index alternative Section R401.2.3, the Energy Rating Index value shall be at least 5 percent less than the Energy Rating Index target specified in Table R406.5.

The option selected for compliance shall be identified in the certificate required by Section R401.3.

Revise as follows:

R405.2 Performance-based compliance. Compliance based on total building performance requires that a proposed design meets all of the following:

1. The requirements of the sections indicated within Table R405.2.

2. The building thermal envelope greater than or equal to levels of efficiency and solar heat gain coefficients in Table R402.1.1 or R402.1.3 of the 2009 International Energy Conservation Code.

~~3. The proposed total building thermal envelope UA, which is the sum of U-factor times the assembly area shall be less than or equal to the UA of the building thermal envelope using the prescriptive U-factors from Table R402.1.4 multiplied by 1.15 in accordance with Equation 4-1.~~

~~Equation 4-1: UAproposed design <=1.15 x UAprescriptive reference design.~~

3. An annual energy cost that is less than or equal to 90 percent of the annual energy cost of the standard reference design. Energy prices shall be taken from a source approved by the code official, such as the Department of Energ y, Energy Information Administration's State Energy Data System Prices and Expenditures reports. Code officials shall be permitted to require time-of-use pricing in energy cost calculations.

TABLE R405.4.2(1) (TABLE N1105.4.2(1)) SPECIFICATIONS FOR THE STANDARD REFERENCE AND PROPOSED DESIGNS

Portions of table not shown remain unchanged.

Rated Storage Volume: 40 Gallons

Draw Pattern: Medium

International Energy Conservation Code
Code Chang

	Component	Air Barrier Criteria	Insulation Installation Criteria
As submitted	Windows, skylights and doors	The space between framing and skylights, and the jambs of windows and doors, shall be air sealed.	Insulation installed in framing around windows, skylights and doors shall be cut to fit the cavity

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-037-21 Crawl space walls
CDP ID #	117
Code	IECC RE
Code Section(s)	R402.2.10, R402.2.10.1 New Section n
Location	base
Proponent	Robby Schwarz robby@btankinc.com
Proposal Status	SC rev
Subcommittee	RE Envelope
	Suggestions for edit

Subcommittee Notes

Committee Response	
Vote	Affirmative__________ Negative___________ Table____________ To Subcommittee_________________________
Date	

Modification for REPI-37-21

R402.2.10 Crawl space walls. Crawl space walls shall be insulated in accordance with Table R402.1.3.

Exception:

Bibliography and Access to Materials (as needed when substantiating material is associated with the amendment proposal):

https://www.huduser.gov/publications/pdf/fpsfguide.pdf

Cost:
This proposal will not increase cost and should decrease cost as it is eliminating the requirement to install insulation 2' horizontally on the interior of the foundation wall over the vapor retarder on the dirt floor.

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-043-21 Air Leakage testing reference
CDP ID #	75
Code	IECC RE
Code Section(s)	R402.4, Chap 6 New Section n

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-059-21 Air leakage testing
CDP ID #	416
Code	

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-101-21 Lighting Antimicrobial
CDP ID #	389
Code	IECC RE
Code Section(s)	R404.1 New Section n
Location	base
Proponent	Mike Moore mmoore@statorllc.com
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	If a fixture can do both anti-microbial and lighting for a space, what does it cover? covers only the antimicrobial part. good modif2 551e (o)-3 (v)-1.6 (e)0.8 (r)-0.8 (?)-1.5 (c)

Committee
Response

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	REPI-105-21 Exterior lighting
CDP ID #	244
Code	IECC RE
Code Section(s)	R404.1.1, R404.1.2, R404.1.3, R404.1.4, R404.1.5 New Section n
Location	base
Proponent	Vladimir Kochkin vkochkin@nahb.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	Discussion on modifying the numbers through public comment or send back to proponents. we should consider other zones
Recommendation	Approve as submitted
Vote	Motion to approve 10-0-2
Recommendation Date	
Next Step	To Subcommittee________________________________ To Advisory Group________________________________ To Consensus Committee_________________

INTERNATIONAL CODE COUNCIL®

International Energy Conservation Code
Code Change Proposal Tracking Sheet

Proposal #	REPI-108-21 Lighting interior controls
CDP ID #	394
Code	IECC RE
Code Section(s)	R404.2 New Section n
Location	base
Proponent	Steven Rosenstock srosenstock@eei.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	first 4 edits are not required. Motion to modify MR, 2nd by MJ AM - clarification BH - this is linked to 106 and 107, they should go back SH - agree, send it back AM - this is editorial and independent. Not the same and

Consensus Committee	
Committee Response	
Vote	Affirmative__________ Negative___________ Table____________ To Subcommittee_________________________
Date	

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	REPI-109-21 Part I Lighting Exterior controls
CDP ID #	484
Code	IECC RE
Code Section(s)	R404.3 New Section n
Location	base
Proponent	Michael Jouaneh mjouaneh@lutron.com
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	Allows for solutions using astronomical clocks that know what daylight hours are everyday to control lighting. It seems like there is no change in requirements, during daylight hours and when daylight is present seems the same. Daylit areas, do we need to define daylight hours? We know it means different times during the year.
Recommendation	Disapprove
Vote	Motion to disapprove 8-1-3
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 #	REPI-109-21 Part II Lighting Exterior controls
CDP ID #	580
Code	IRC
Code Section(s)	N1104.3 New Section n
Location	base
Proponent	Michael Jouaneh mjouaneh@lutron.com
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	Allows for solutions using astronomical clocks that know what daylight hours are everyday to control lighting. It seems like there is no change in requirements, during daylight hours and when daylight is present seems the same. Daylit areas, do we need to define daylight hours? We know it means different times during the year.

Recommendation

International Energy Conservation Code

Code Change Proposal Tracking Sheet

Proposal #	REPI-110-21 Lighting Exterior controls
CDP ID #	396
Code	IECC RE
Code Section(s)	R404.3 New Section n
Location	base
Proponent	Steven Rosenstock srosenstock@eei.org
Proposal Status	SC rev
Subcommittee	RE Elec, Light
Subcommittee Notes	Adding the exception for solar-powered lighting fixtures. doesn't think its should be required here. agree with Shane, exterior solar lighting not permanent. What about battery powered fixtures? Why not promote solar-powered lighting fixtures? It may not be normal now but could be in the future. II would promote this, but not the purpose of this committee or the book to promote certain technologies. Not connected to any electrical service and low voltage, not permitted and could be used everywhere. No permit required. This is not needed. Opposed to the proposal, we don't want an AHJ controlling this but what if the solar powered lighting is connected to the service? Solution to a problem that doesn't exist. would mdmdud30.7 (h)002 Tc 0v7n

Next Step	To Subcommittee_________________________________ To Advisory Group_________________________________ To Consensus Committee__________________
Consensus Committee	

Committee Response