



**IECC/DGC Energy Committee Hearing # 4 Meeting Minutes**

March 3, 2022

2 p.m. – 5 p.m.

City and County of Denver

1. Roll Call

<b>Name of Committee Member</b>		<b>In Attendance?</b>
Aaron Esselink		X
<b>Carol Pafford</b>		
<b>Chris Parr</b>		
<b>Chris Spelke</b>		
Christy Collins		X
Chuck Bartel		X
Allen Yanong		X
Courtney Anderson		X
Elizabeth Gillmor		X
Eric Browning		X
Jamy Bacchus		X
<b>John Burns</b>		
Ken Urbanek		X
Adam Lyons		X
Nate Huyler		X
<b>Curtis Underwood</b>		
<b>John Dutch</b>		
Jeff Crowe		X
<b>Linda Morrison</b>		
Mike Walton		X
<b>Nathan Kahre</b>		
Paul Kriescher		X
Paul Schaffer	<b>One vote</b>	
Robert Pruet		X
Antonio Navarra		X
<b>Shanti Pless</b>		
<b>Chuck Kutscher</b>		
Mark Rodriguez		X
Bill Rectanus		X
Bryan Kazin		X
Paul Kancir	<b>One vote</b>	
Curtis Werner		X
<b>Stephen Sanderson</b>	<b>NON-</b>	

	VOTING	
Alex Martin	One vote	X
Kevin Eronimous		
Laura London		X

## 22 Voting Committee Members Present

### 2. Introduction of key proposals of IECC/DBC-Residential and DGC Ch.4 (non-voting)

- a. [#67](#) R404.4 Minimum renewable energy system
  - Sets a minimum level of onsite renewable energy with the option to fulfill with offsets.
  - Since it is residential, we don't need a table. Instead, the single target is in the code.
  - Comment – It was not clear if this applies to new residential buildings.
  - Comment - An example of how this applies would be nice. Perhaps a project with a larger budget would be able to afford this.
- b. [#47](#) R408 Additional Efficiency Options
  - Replaces a package-based approach for a credit-based approach.
  - With a credit-based approach, all projects will be aiming for a same level of efficiency.
  - Savings were based on modeling for national prototypes.
  - There are 26 credit options.
  - Question – R408.10.3 – Does it say water heating is not allowed in conditioned space?
- c. [#31](#) R406 Energy Rating Index Compliance
  - Does two things. First, it cleans up R406. Second, it calibrates the EIR target to Denver's goals.
  - Protects the building from trading off too much of its efficiency for renewables.
  - The greenhouse gas impact is very similar to what we would see in R408.

- The language mirrors the language in the building performance pathway in the past.
- How is it possible to get a 10% energy efficiency increase without construction costs? – Its using a code based ERI score. Its much more restrictive than this approach. That’s where the no impact is coming from.
- The language that has been proposed (...the most recent publication of the ANSI/RESNET/ICC standard...) seems problematic from a legal perspective by adopting standards that haven’t been established.

### 3. Discussion and voting on **IECC/DBC-Residential and DGC Ch.4**

#### a. [#P45](#) C505/ R505 - Change in Occupancy

- Support:
- This kind of approach is important for the reuse of buildings. It’s a logical approach without losing opportunities for efficiency.
- Opposition:
- N/A
- Committee Questions/Comments:
- When would the opportunity present itself for a change of occupancy for new construction? (In regard to first section in R505.1) – What this sentence is saying is that in the event of a change of occupancy, it must comply with provisions of new construction.
- Rebuttal (Support):
- N/A
- Rebuttal (Opposition):
- N/A
- Discussion:
- If you reverse the two sentences under R505.1 General, it reads much better.
- **Motion to approve with the intent to modify.**
- **Vote Passed (16 for, 1 opposed, 5 abstained)**

b. [#23](#) R402.1 General Prescriptive path

- Support:
- N/A
- Opposition:
- N/A
- Committee Questions/Comments:
- Can you tell us a little about the value .27/.25? The .27/.25 values are based on our climate zone u values for windows that are available in our market.
- The .25 is incentivizing reducing the amount of windows in the house to help reduce energy loss.
- Can you explain the reasoning for the deletion of footnote f? – Window U values are readily available at these levels. That footnote specifically tries to address gas bill.
- Rebuttal (Support):
- N/A
- Rebuttal (Opposition):
- N/A
- Discussion:
- Revisions on footnote
- **Motion to amend**
- Vote (18 for, 0 opposed, 3 abstained)
- Motion to approve as amended with the intent to modify further grammatically
- **Vote Passed (18 for, 0 opposed, 3 abstained)**
- Subcommittee to further modify - Eric Browning, Allen Yanong

c. [#7](#) R403.3 Duct and Air Handler Location

- Support:
- I would suggest increasing to R-12 instead of R-8
- Opposition:
- N/A
- Committee Questions/Comments:

- N/A
- Rebuttal (Support):
- N/A
- Rebuttal (Opposition):
- N/A
- Discussion:
- N/A
- **Motion to approve both IECC and DGC proposals as written.**
- **Vote Passes (16 for, 1 opposed, 4 abstained)**

d. [#46](#) R403.3.5 Duct Testing

- Support:
- N/A
- Opposition:
- N/A
- Committee Questions/Comments:
- Does the standard not clarify that the test is not exclusive for the ducts? – Not explicitly.
- Rebuttal (Support):
- N/A
- Rebuttal (Opposition):
- N/A
- Discussion:
- Why not leave a in the body language and then leave one exemption (b). – The language in the current code is an exemption. To be consistent with the way the code is currently written.
- **Motion to approve IECC and DGC proposals as amended.**
- **Vote Passed (16 for, 0 opposed, 4 abstained)**

e. [11.2](#) R403.1.3 Continuously Burning Pilot Lights

- Support:
- N/A
- Opposition:

- N/A
- Committee Questions/Comments:
- How available are non-continuously burning pilot light water heaters? – They are readily available and are installed every day.
- When equipment is being replaced, what additional costs are brought up when vents need to be replaced? – Atmospheric water heating have increased safety concerns.
- Rebuttal (Support):
- N/A
- Rebuttal (Opposition):
- N/A
- Discussion:
- **Motion to approve as submitted.**
- **Vote Passed (11 for, 1 opposed, 8 abstained)**

f. [#45](#) R402.4.1.2 Testing air leakage

- Tabled due to quorum no longer reached. Dropped to 18 members.

**Meeting adjourned at 5:06 MT**

**Note: Subcommittee for proposal #83 Ken Urbanek, Chuck Bartel**