

IECC/DGC Energy Committee Offline Hearing #1

1. Attendees:

Name of CCD Committee Member		In Attendance?
Carol Pafford		
Christy Collins		X
Chuck Bartel		X
Allen Yanong		X
Courtney Anderson		X
Eric Browning		
Adam Lyons		
Mike Walton		
Paul Schaffer		
Robert Pruet		
Antonio Navarra		X
Tom Gleason		X

2. Meeting purpose: Not going to be able to discuss all proposals in hearing agendas – having internal city agendas/discussions – doing this with less contentious items. Vetting less-controversial proposals in these meetings to advance. Want to be transparent, so members of the public can know what we’re talking about.

- a. Eric Browning will move vetted proposals forward (proposals discussed in these internal meetings) to the IECC/DGC committee we’ll have other proposals advanced by the committee through the traditional process

3. Discussion and voting on **IECC/DGC Energy**

Commercial

- a. [#100](#) DGC NZE Path; Denver

Action items:

- Table this conversation and Request Jonny Rogers from CASR to attend next meeting

Discussion:

- Net zero energy path for Denver green code. Would allow for offsite renewable electricity path if you meet exceptions – must meet exceptions for offsite to promote more-beneficial onsite generation. Commercial only.
- Christy – how is Xcel reacting when someone is building offsite solar – wants to

understand how this process works to spur additional renewable capacity. Also how is Xcel calculating 80% - Xcel meeting 80% of Denver's electricity needs – how is Xcel calculating this and planning for future electricity demand. How is 80% energy goal adjusted each year as electricity demand rises? @Jonny

- Pilot teams should be trying their best to meet goals/pilot outcomes
- If a developer sells a property, developer has to disclose DGC involvement related to that property

b. [#62](#) C402.5.1.2 Air Barrier Compliance; Noresco/Denver

Action items:

- Provide Noresco with notes to update proposal
- If a project exceeds 0.6 threshold and they've done corrective measures and it didn't work, what do they need to do? @Courtney utilize exception Allen saw in other portion of the code. No penalty for over 0.4 but penalty for over 0.6. Adjust for R&I occupancies
- Residential exception from 0.3 to 0.5 and then nonresidential from 0.4 or 4.6 CFM – match C402.5.3 @Courtney – what happens when they exceed these limits?
- @Courtney Keep deletion within the code – exceptions have been removed and testing is required

Discussion:

- Proposal was written by Noresco – air barrier testing
- Makes air sealing testing required rather than give options
- Chuck: a lot of references in code were deleted on how to construct an air barrier that meets code/performance test. What happens if they don't pass air barrier test? Information on how to construct an air barrier is useful

c. [#74.2](#) C405.13 - Congregate roof penetrations for solar; Noresco/Denver

Action items:

- Provide Noresco with notes to update proposal

Discussion:

- Proposal was written by Noresco
- Adequate roof area for future onsite solar
- Difference in exception requirements is unclear – 4+ stories above grade for non-residential buildings, but 7+ stories above grade for high-rise residential and hotels
- Should this match the existing Appendix?

d. [#88](#) DGC 401.7 Equipment Sizing HVAC Filtration; Noresco/Denver

Action items:

- @Courtney to send this proposal to Noresco today and tell them to finalize proposal based on notes.

Discussion:

- Proposal was written by Noresco
- Manual D Calculation Requirement for MERV 13 Filter
- Section R 403.7 of the energy code already requires the use of for the sizing to be based on ACCA Manual J&S. Simply section and require MERV 13 to be required and other 3 things would be required already elsewhere in code. Chapter 16 in IRC requires manual D. Already required in IECC base code.
- Chuck: All 401.7 could be simplified by saying a minimum of MERV 13 filtration shall be installed
- Courtney: changed title to Filtration Equipment
- DGC appears to require MERV 13 already – only thing that may need to be added is the system cleaning aspect. This section on cleaning can be added to section 8 – it excludes all commercial buildings, so just residential since it's IRC.