



International Energy Conservation Code

HVACR Subcommittee

Meeting Minutes for March 13, 2023

Subcommittee Chair: John Hensley

Subcommittee Vice-Chair: Ricardo Madrid

1. Call to order. The meeting was called to order at 11:02 AM EST.
2. Meeting Conduct. Chair John Hensley provided an overview of Council Policy 7 and Code of Ethics
3. Roll Call – Vice Chair Ricardo Madrid

Committee members in attendance: (11 in attendance, 3 absent)

In attendance; Chair John Hensley, Vice-chair Ricardo Madrid, Jennifer Amann, Gary Heikkinen, Mark Lyles, Chris Perry (Alt), David Bixby, Gary Klein, Dean Potter, Kevin Rose, Sonny Richardson.

Not in attendance; Mike Waite (Alt), Shannon Corcoran (Alt), Helen Walter Terrinoni (Alt), Kyle Bergeron, Ben Rabe (Alt), Jeremy Williams, Patricia Graef, Donald Thomas

ICC staff in attendance; Kris Stenger

Chair Hensley mentioned that the agenda has one modification from an email from Gayathri for 339 and wanted to briefly bring up 286 as these are moving to main committee and the Chair started an email from Rob Salcido and Michael Tillou will be speaking to 339 as well. The chair mentioned that Sonny Richardson has joined the meeting. The chair opened the floor to approve the agenda with this small edit. The chair opened the floor to vote. 10-0-0.

4. Chris Perry speaking on behalf of Proponent Jeremy Williams and Michael Tillou presenting RED1-339-22, and explained background that Gayathri mentioned a modification and we can look at that, last meeting we went over RED1-301 that was voted down for a prescriptive path for ducts in conditioned space, but that proposal is secondary to proposal RED1 339 which we

will talk about today. Perry explained the proposal in detail. Gayathri explained that they looked at other proposals that are coming up and discussed proposal in detail. Gary Hiekkenen made a motion to approve with modification. Mark Lyles seconded. Group discussion. The chair opened the floor to vote, 10-0-0.

5. Proponent Amy Boyce presented RED1-338-22, regarding duct locations. Boyce explained the proposal in detail. Gary Klein made a motion to disapprove, Sonny Richardson seconded, Group discussion. The chair opened the floor to vote. 8-0-2
6. Proponent Amy Boyce presented RED1-060-22, regarding incentivizing ducts in conditioned spaces. Group discussion. The chair opened the floor for motions. Gary Klein made a motion to disapprove, Mark Lyles seconded. A chat from Eric Lacey supporting Boyce testimony. Group discussion. The chair opened the floor to vote. 8-0-1
7. Proponent Gary Klein (WH working group Chair) presented RED1-313-22, The chair clarified that Klein would bring up the recommendations from the working group and open the floor after motions and the proponent will have a chance to speak. Klein explained there are 3 proposals related to this topic and recommends looking at 311 first but would like to vote on 313 first. The chair was ok with proposal and no other objections. Klein explained RED1-311 as a modification from AHRI to the water volume determination. Klein explained the proposal and modification in detail. Klein explained RED1-312 as making a change to a table. Klein discussed RED1-313 to clean up language to related to compact water distribution systems and would like to get it to a workgroup. Klein discussed proposal in detail. Klein makes a motion to approve 313 as amended. Mark Lyles seconded. The chair asked if the intention is to work with proponent AHRI and Shannon Corcoran to withdraw 311 and 312. Klein stated to withdraw or vote down after approval of this one. The chair asked Shannon Corcoran for her opinion on how to work with this one. Corcoran stated her proposal was purely editorial and it is in alignment with the IPC and verified with ICC staff member to insure it is in alignment. She stated however it is handled as long as its in alignment is fine and if needing to withdraw, she would be ok with that. The chair asked for any input from AHRI. No discussion. The chair opened the floor for discussion. No discussion. The chair opened the floor to vote. 10-0-0
8. The chair opened the floor for Shannon Corcoran for RED1-312-22 and asked how Corcoran want to move forward. Proponent stated with action taken on 313 to withdraw proposal 312.
9. The chair opened the floor to Gary Klein for proposal RED1-311-22, and asked what the recommendation from Water heating working was. Klein stated to move everything into 313 and disapprove this proposal. Klein motioned to disapprove RED1-311 based on action taken on 313, Mark Lyles seconded. The chair opened the floor for discussion. Klein explained the proposal in detail. The chair explained that the working group worked with AHRI and Klein stated yes. The chair opened the floor to vote. 9-0-0
10. Mark Lyles made a motion to table RED1-314-22 to the next meeting since the proponent wasn't online and AHRI wasn't online and proponents weren't able to attend. Sonny Richardson

seconded. Gary Klein explained that there are 3 proposal that are related here. 314 315 and 316 that was taken up by the water heater working group and they decided to accept the proponent's other proposal -316 which incorporates what needed from 315. Klein requested to hear all three at the same time. The chair agreed and asked for an adjustment in the motion to table 314, 315 and 316. Lyles agreed. Sonny Richardson agreed. No further discussion. The chair opened the floor to vote. 9-0-0

11. Proponent Shane Hoepfer presented RED1-319-22 regarding ventilation in climate zone 5. Gary Heikinnen made the motion to approve. Mark Lyles seconded. The chair opened the floor for group discussion. Considerable discussion. The chair opened the floor to vote. 4-4-2. The chair voted as Nay. 4-5-2. Kevin Rose motioned to table this proposal to the next meeting. Jennifer Amann seconded. The chair opened the floor for discussion. No discussion. The chair opened the floor to vote to table to the next meeting. 4-5-1. Gary Klein motioned to disapprove. Mark Lyles seconded. The chair opens the floor for discussion. no discussion. the chair opens the floor to vote. 7-3-0
12. Proponent Shane Hoepfer presented RED1-335-22 and explained there is 3 similar proposals that deal with dryers, water heater and cooking appliances and want the proponent on them but was only making editorial clean up. Hoepfer explained the proposal in detail. Gary Klein motioned to approve; David Bixby seconded. The chair opened the floor for discussion. Group discussion. Gary Klein as amended with a friendly amendment. All agreed. The chair opened the floor to vote. 6-4-0
13. Proponent Shannon Corcoran presented RED1-340 -22 regarding to specifying different fuel sources. Corcoran explained the proposal in detail. David Bixby motioned to approve as a modification. Gary Klein seconded. The chair opened the floor for discussion. Group discussion. Gary Klein and David Bixby were agreed to make a modification that was shown on the screen. More group discussion. The chair opened the floor to vote for RED1-340 as modified. 8-0-1
14. Proponent Adam Berry presented RED1-292-22 regarding heat pump supplementary heat. Berry explained the proposal in detail. Mark Lyles made a motion to approve. Jennifer Amann seconded. Group discussion. The chair opened the floor to vote. 8-1-0
15. Proponent Fredric Zwerg presented RED1-280-22 PI and PII regarding zonal heating. Zwerg explained the proposal in detail. Sonny Richardson made a motion to approve. Gary Heikinen seconded. Considerable group discussion. The chair opened the floor to vote. 9-0-0
16. Proponent Greg Johnson was not present to present RED1-329-22 regarding R403.8. Sonny Richardson made a motion to table. Gary Klein seconded. The chair stated to table to the next meeting. Group discussion. The chair opened the floor to vote. 8-0-0. Gayathri explained that

the modification to this proposal is concerning to multiple family use and discussed this in detail. Gayathri is looking to working with this modification. Discussion from group.

17. Proponent Ben Rabe presented RED1-289-22 regarding integrated thermostats. Rabe explained the proposal in detail. Gary Klein made a motion to disapprove. David Bixby seconded. The chair opened the floor for discussion. Group discussion. The chair opened the floor to vote. 6-1-3
18. Proponent Gayathri Vijayakumar presented RED1-286-22 and explained this coming Thursday the main committee will hear proposals that came from HVAC subcommittee that related to gas fireplace efficiency as well as pilots. That agenda has about 10 proposals that Gayathri has asked John to hold on to so we can send them to main all together. Gayathri is doing a cleanup proposal and putting them all into 286. Gayathri discussed the proposal in detail and asked this committee to do a friendly amendment of two small modifications before we do a friendly modification at main. The first friendly amendment is regarding the term historic. The chair explained that we would like a motion to revisit the friendly amendment to mention it at main committee. The second friendly amendment is regarding gas lighting proposals. Gayathri explained the two modifications in detail. David Bixby made a motion to reconsider. Mark Lyles seconded. Group discussion. The chair opened the floor to vote to reconsider the changes. 9-0-0. Gary Klein made a motion to approve the change. Mark Lyles seconded. Group discussion. The chair opened the floor to vote for approving the change. 9-0-0 Gayathri explains changes regarding charging sentences. A straw poll was taken by Gayathri from the subcommittee to determine how to complete the proposal. Gary Klein made a motion to approve. Mark Lyles seconded. The chair opened the floor for discussion. The chair opened the floor to vote. 9-1-0
19. Gypsy shared an update with the HVAC measures with 408 and they conducted a straw poll at the last meeting for preferences. They met with AHRI and DOE agreed to calculate points for those measures. DOE was not clear on AHRI proposals and will further review for a complete analysis. The information will not be at consensus for the March 27th meeting and requests to move the measure for 408 to the following meeting. Gypsy will keep us updated. The chair stated that will be the April 10th meeting. Gary Klein updated from the water heating working group and stated there was a hot water forum last week and reached consensus on what to propose back to the proponent and should be available for the 27th meeting.
20. The chair stated we are set to start R408 hearings during March 27th call and we are still trying to wrap up in early April so main committee can wrap up late April.
21. Upcoming Meeting; March 27th, 2023, 11:00 EST - 2:00 EST.
22. Meeting adjourned at 2:00 EST.