

MINUTES

2015 International Energy Conservation Code Task Force

Second Meeting
January 10, 2017, 10:05 A.M.

Task Force Members Present: Joel Rodriguez, Ryan Taylor, Stephen Adams, Ron Anderson, Mike Barcik, Kelly Cutts, Neal Davis, Mark Gallman, David A. Hirsch, James Martin, Jim Moody, Elaine Powers, John Pruitt, Scott Walters and Lauren Westmoreland.

Task Force Members Absent: Darrell Howell and Max Rietschier.

Staff Members Present: Ted Miltiades, Bill Towson, Seti Ordoobadi, Matt McConnell, Kadedra Caldwell and Austin Dyer.

Guests: Kevin Chenoweth, D&L Heating and Air Inc.; Brian Griffin, Pat Griffin, Quality Air Inc.; Nick Wortel, APA; Michael Waldbillig, Southern A&E; Joe Medosch, Energy and Environmental Consulting; Glen Clapper, BIA; Will Wiggins, Gwinnett County; Jeff Worly, AMEC FW; Jeffery Sauls, Energy Vanguard; Phil Brown, ICYNENE Insulation; Jimmy Reynolds, Green South Energy Solutions; Paul Coats, American Wood Council; Bourke Reeve, Southface; Steve Ferguson, ASHRAE; Bettie Sleeth, (HBAG); Joseph Clements, Fulton County Schools; Abe Kruger, SK Collaborative; David Goulding, Ensign Building Solutions; Randy Nicklas, ICYNENE Insulation; Glen Haller, GSFIC; Jimmy Cotty, GRMCA; David Gipson, GEFA.

HIGHLIGHTS

WELCOME

Chairman, Joel Rodriguez called the meeting to order at 10:05 A.M. by welcoming and introducing Task Force members, Department of Community Affairs (DCA) staff and all guests.

OLD BUSINESS

The minutes from the 12/1/2016 meeting were reviewed; Elaine Powers made a motion to accept the minutes as written, Lauren Westmoreland seconded the motion. Motion carried.

NEW BUSINESS

Chairman, Joel Rodriguez reminded interested parties that the deadline for submitting any proposed amendments from outside proponents was February 1, 2017. Seti Ordoobadi explained the process for the review and adoption of the 2015 IECC. Chairman Rodriguez encouraged interested parties to participate in this dialogue.

The next item on the agenda was comments from the residential chapter review assignments. The comments and concerns raised were as follows:

- **Chapter 1 [RE] Scope and Administration;** James Martin (Lead) recommended carrying forward the amendments from the previous cycle. No other changes were discussed. No motion.
- **Chapter 2 [RE] Definitions;** Ron Anderson (Lead) Recommended to bring forward the previous definitions from the amendments for Section 202 Definitions: Attic Kneewall, Certified Duct and Envelope Tightness (DET) Verifier, Conditioned Space and Cooling Tower.
 - R 202 Definitions: Correct the wording in Coefficient of Performance (COP) Cooling: The ratio of the rate of heat removal to the rate of energy input, in consistent units, for a complete refrigerating system or some specific portion of the system under designated operating conditions
- **Chapter 3; [RE] General Requirements** Joel Rodriguez read the Max Rietschier comments on chapter 3. Chapter 3 of the Residential Provisions of the IECC have the exact same changes between the 2009 IECC with GA Amendments and the 2015 IECC. Below is a summary of the changes:
 - There were no changes to the climate zones for the state of Georgia.
 - Section 303.1.4.1 Insulated siding is a new code section added to the 2015 IECC. The code already requires all insulation products to have a thermal resistance rating according to Section 303.1.4. This new section was added in addition the section 303.1.4 for the following reason: Insulated siding is a unique product that requires a special test method for determination of R-value. This test method is ASTM C 1363, Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus.
- **Chapter 4: [RE] Residential Energy Efficiency;** Joel Rodriguez (Lead) discussed the following sections:
 - 401.3 Certificate. The accuracy of the information provided on the certificate by the DET verifier was questioned and how to verify code compliance. (see GA 2011 Amendment, Appendix D)
 - R402.2.1 Ceiling with attic spaces: There was a discussion to bring forward the amendment on this section however, Chairman suggested to review and discuss all the amendments all at one time together.
 - R402.3.2 Glazed Fenestration. There was a suggestion to change the Solar Heat Gain Efficient (SHGC) from 0.30 to .25 statewide (Climate Zones 2,3,4)
 - ASHRAE recommended combining climate zone 3 and 4 to harmonize with ASHRAE 90.1 standard. (See table 402.1.1 in GA Amendment 2011)
 - R402.4.1.2 Testing: The issue on blower door testing protocols for R-2 multifamily housing was discussed.
 - A suggestion was made to form a subcommittee to provide more information on this section. Chairman agreed to form a subcommittee on DET to investigate this subject in more details.
 - R402.4.4 Rooms containing fuel-burning appliances; concerned with current code requirement for combustion closets. (Isolated Room)
 - Recommendation on considering bringing forward the Appendix A for air sealing details.
 - Table R402.4.1.1 Air barrier and insulation installation was discussed e.g. ceiling of top plates, insulated corners/ headers (advanced framing technics) and common or party walls.
 - R402.4 Air leakage. It was highly recommended to carry forward the previous 2011 GA amendment R403.2.4 Duct sealing without exception all closure systems shall have mastic applied that is at least 0.08 inches thick.

- R403.3.4 Duct Leakage (Prescriptive). There was a discussion about performance testing for duct leakage. The committee wanted to add the leakage to the outside testing options back in to the 2015 IECC code as an option.
- R403.5.2 Demand recirculating system: Clarification on when the hot water recirculation system is required for demand recirculation systems.
- 403.6 Mechanical ventilation (whole house ventilation): there was a discussion about when makeup air is required for extremely tight houses. See Section R303.4 and M1507.3.3 (1) in 2012 IRC. Mechanical Ventilation is required by IRC code when the duct blaster test is less than 5 ACH. The Residential Field Study average was 4.9 ACH. The chairman stated more information is needed. Southface will present more information at the meeting.

LUNCH BREAK. Taskforce broke for lunch (11:45- 12:30)

- R404.1 Lighting Equipment. The requirement for lighting has been increased from 50% to 75% for high efficacy lamps. The result of residential field study showed non-compliance with the 50% requirement (63% of the homes surveyed failed to meet this requirement).
 - R406 Energy Rating Index (ERI): the concern was the established numbers in table R406.4 were too stringent. HBAG offered to work with the ERI subcommittee to reach a consensus on the assigned values.
 - The committee will revisit all the issues discussed regarding chapter 4 at the next appropriate meetings.
- **Chapter 5: [RE] Existing Buildings.** Elaine Powers (Lead) made the following comments on chapter 5:
- 502.1.1.2 Exception. The 40 foot rule when the duct system is not required to be tested is ambiguous and too restrictive.
 - 503.1.1.1 replacement fenestration was discussed
- **Chapter 6: [RE] Referenced Standards.** John Pruitt (Lead). Chapter 6 was reviewed and no changes were recommended at this time.
- **Appendix RA.** Recommended Procedure for Atmospheric Venting System. Mike Barcik (Lead). Appendix RA was reviewed and no changes were recommended.
- **Appendix RB.** Solar-Ready provisions. Mike Barcik (Lead). Appendix RB was reviewed and no changes were recommended.

CONCLUSION OF MEETING

- Chairman Rodriguez announced the next scheduled meeting is February 23, 2017.
- No further business or discussion. The meeting was adjourned at 1:42 P.M.

End of Minutes.