

Residential Energy Code TAG

Meeting Notes

Date: Monday, November 27, 2023

Meeting Location: Hybrid – Minnesota Room/WebEx

Call to order:

Steve Shold

Attendance:

TAG Members present: Steve Shold (DLI), Don Sivigny (DLI), Chris Rosival (DLI), John Smith (practical engineering applications), Rebecca Olson (MN Center for Energy & Environment), Eric Fowler (Fresh Energy), Eric Boyd (Housing First Minnesota), Alyssa Jagdfeld (MN AIA), Mike Allen (BAM). Steve Ubl (building officials), Alison Lindburg (Midwest Energy Efficiency Alliance), Mike Robertson (Habitat for Humanity), Jim Kumon (Heirloom Properties)

TAG Members absent: Alison Lindburg (Midwest Energy Efficiency Alliance)

Guests attending: Amanda Spuckler (DLI), Jeff Lebowski (DLI), Chad Payment (DLI), Tim Manz (DLI), Rich Lockrem (DLI), Greg Metz (DLI), Paul Swett (DLI), Nick Erickson, Lucas Rutherford, Gary Thaden, Mark Mikkelson, Michael Johnson, Adam Schminski, Brad Fevold, Craig Drumheller, David McDonald, Eric Lacey, Grace Keliher, Isaac Elnecape, Isabella Gross, Jared Johnson, Jason Vandever, Jim Kumon, Kyle Dimler, Michael Robertson, Matthew Friedlander, Mike Moore, Patrick Murray, Patrick Nielsen, Paul Duffy, Randy Nicklas, Ron Nuttall, Stephen Wieroniey, Mike Wilson

1. Call to order
2. Review of the code change proposals and 2021 IECC sections R402.4.2 through R402.4.4

Section R302.2 Climatic Data Design Conditions

TAG members reviewed a code change proposal to add climatic data design conditions for the calculation of heating and cooling loads. The winter design conditions are 99.6 percent heating dry bulb value and the summer conditions are the 1 percent annual cooling dry bulb design conditions. The climatic data provided for cities in Minnesota in from ASHRAE Standard 169. The TAG consensus is to accept the code change proposal.

2021 IECC Section R402.2.3 Eave baffle

TAG members reviewed a code change proposal to add section to address wind wash prevention. The TAG consensus is to accept the code change proposal.

2021 IECC Section R402.2.1 Ceilings with attic spaces

TAG members reviewed a code change proposal to add a subsection to permit R-30 roof insulation as an alternative to R-60 insulation in unvented attic and unvented enclosed rafter assemblies where the dwelling complies with several requirements including HVAC equipment and ductwork are located in the building envelope and the dwelling has less than 2.5 air changes per hour. The TAG consensus is not to accept the code change proposal.

2015 Minnesota Residential Energy Code Section R403.5.2 Total ventilation rate

The TAG members reviewed a code change proposal to remove ventilation requirements by deleting 2015 Minnesota Residential Energy Code Sections R403.5.2 through R403.5.4, which are Minnesota modifications to the 2012 IECC. Residential ventilation rates will be discussed by the Residential Energy Code TAG, which will be appointed in 2024.

TAG Worksheet - 2021 IECC Sections R402.4.2 through 402.4.3

TAG members reviewed sections R402.4.2 through 402.4.3 and the consensus is to adopt the language as written.

TAG Worksheet - 2021 IECC Section R402.4.4 Rooms containing fuel-burning appliances

TAG members discussed section R402.4.4 which requires open combustion fuel-burning appliances and the combustion air opening to be located outside the building thermal envelope or located in a room that is isolated from inside the building envelope. TAG members discussed the difficulties with complying with this provision in Minnesota where mechanical appliances are generally located in the basement and whether it would improve energy loss. A code change proposal will be submitted to delete this requirement.

Next Meeting:

Date: Monday, December 11, 2023

Time: 1:00 PM

Location: Hybrid – Washington Room/WebEx Event

Meeting Adjourned: 3:00 PM

Prepared by: Steve Shold