

# Residential Energy Code TAG

## Meeting Notes

**Date:** Tuesday, September 18, 2023

**Meeting Location:** Hybrid – Minnesota Room/WebEx

### Call to order:

Steve Shold

### Attendance:

TAG Members present: Steve Shold (DLI), Greg Metz (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), Jim Kumon (Heirloom Properties)

TAG members absent: Mike Allen (BAM), Steve Ubl (building officials), Alison Lindburg (Midwest Energy Efficiency Alliance)

Guests attending: Amanda Spuckler (DLI), Brittany Wysokinski (DLI), Don Sivigny (DLI), Rich Lockrem (DLI), Josiah Moore (DLI), Nick Erickson, John Mettler, Gary Thaden, Lucas Rutherford, David Alseth, Curtis Johnson, Adam Brouwer, Austin Paul, Craig Drumheller, Eric Lacey, Erin Sherman, Heidi Erm, Mike Moore, Patrick Murray, Patrick Nielsen, Rick Cobbs

1. Call to order

2. Worksheet review of 2021 IECC section R402.2.5 and code change proposals as described below. All sections referred to are from the residential provisions of the 2021 IECC unless otherwise noted.

#### Section R301 Climate Zones

TAG members reviewed a code change proposal to delete section R301.1, figure 301.1 and table 301.1 and replace with a list of counties located in climate zone 7 and assign all other Minnesota counties to climate zone 6A. The TAG consensus is to accept the code change proposal.

#### Section R302.2 Climatic data design conditions

TAG members reviewed a code change proposal to add ASHRAE Standard 169-2020 data for climatic data design conditions. The proposal requires heating loads to be calculated using extreme mean winter temperature and cooling loads to be calculated using 1 percent annual cooling design conditions. The TAG consensus was to

accept the proposal for the calculation of cooling loads, but to review the 99 percent climatic data design conditions for calculating heating loads.

Section R401.2.5 and R409 Passive house building certification option

TAG members reviewed a code change proposal to permit passive house building certification by the Passive House Institute U.S. (Phius) as an alternative compliance path. The TAG consensus was not to accept the code change proposal because the code is the minimum standard for construction.

Table R402.1.2 Maximum assembly U-factors and fenestration requirements

TAG members reviewed a code change proposal that deletes climate zones not applicable to Minnesota from Table R402.1.2 and modifies the fenestration U-factor from 0.30 to 0.28 in climate zone 6 and 0.27 in climate zone 7. The TAG members discussed cost concerns for wood framing, the availability of windows that are not triple-pane but can comply with the reduced U-factor, and the impact of the reduced fenestration U-factor on the building's total UA. The discussion was tabled for the next meeting.

## **Next Meeting:**

Date: Monday, October 2, 2023

Time: 1:00 PM

Location: Hybrid – Minnesota Room/WebEx Event

**Meeting Adjourned:** 3:00 PM

**Prepared by:** Steve Shold