

Residential Energy Code TAG

Meeting Notes

Date: Monday, October 2, 2023

Meeting Location: Hybrid – Isanti 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), Mike Allen (BAM), Steve Ubl (building officials), Alison Lindburg (Midwest Energy Efficiency Alliance), Mike Robertson (Habitat for Humanity)

Guests attending: Amanda Spuckler (DLI), Brittany Wysokinski (DLI), Don Sivigny (DLI), Tim Manz (DLI), Brad Fevold, Craig Drumheller, David McDonald, Eric Lacey, Erin Sherman, Grace Callahan, Heidi Erm, Jared Johnson, Kyle Dimler, Matthew Friedlander, Michael Allen, Patrick Murray, Patrick Nielsen, Rick Cobbs, Ron Nuttall, Sam Friesen, Stacy Miller, Mike Wilson, Scott Anderson, Andrew Hartman, Lucas Rutherford, Mark Mikkelson, Michael Johnson

1. Call to order
2. Review of code change proposals for the residential provisions of the 2021 IECC as described below. All sections referred to are from the residential provisions of the 2021 IECC unless otherwise noted.

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 the cost and availability of options that comply with the reduced U-factor which includes triple-pane windows or those with low-e coatings. The disadvantages of low-e coatings include increased condensation and coolness to the touch. The TAG members reviewed a graph that showed little correlation between window price and performance. However, many base or budget model window options do not comply with the reduced fenestration requirements. Additionally, compliance with the reduced U-factor

requirement generally limits framing options to vinyl and PVC and excludes wood due to its higher U-factor. TAG members reviewed data showing little overall improvement in a building's overall UA and the fenestration area having a great impact on UA. TAG members also considered the impact of reducing the window U-factor on the ability to use code compliance software. TAG members also discussed revising the maximum fenestration U-factor for the performance compliance option. The TAG consensus is not to accept the code change proposal and to adopt the model code requirements for Table R402.1.2.

Section R402.2.4 Access hatches and doors

TAG members reviewed a code change proposal to delete the second exception. The TAG consensus is to modify the code change proposal to clarify that doors in exception are considered fenestration.

Next Meeting:

Date: Monday, October 16, 2023

Time: 1:00 PM

Location: Hybrid – Minnesota Room/WebEx Event

Meeting Adjourned: 3:00 PM

Prepared by: Steve Shold