

Residential Energy Code TAG

Meeting Notes

Date: Monday, December 18, 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 Robertson (Habitat for Humanity), Steve Ubl (building officials), Alison Lindburg (Midwest Energy Efficiency Alliance), Jim Kumon (Heirloom Properties)

TAG Members absent: Mike Allen (BAM)

Guests attending: Amanda Spuckler (DLI), Chad Payment (DLI), Tim Manz (DLI), Nick Erickson, Brandon Jaeger, Adam Schminski, Andrew Hasek, Brad Fevold, Craig Drumheller, David McDonald, Eric Lacey, Jared Johnson, Jason Vandever, Joshua Harmon, Mark Mikkelson, Matthew Friedlander, Michael Johnson, Mike Moore, Ron Nuttall, Tira Wilkins

1. Call to order
2. Worksheet review of 2021 IECC code sections R403.3.3.6 through R404.3 and code change proposals as described below

2021 IECC Section R403.6.1 Heat or energy recovery ventilation

TAG members reviewed code change proposal RE-17 that deletes section R403.6.1. Section R403.6.1 requires an energy recovery ventilation (ERV) or heat recovery ventilation (HRV) system be provided in dwelling units in climate zones 7 and 8. The TAG consensus is not to accept the code change proposal.

2021 IECC Section R403.6.1 Heat or energy recovery ventilation

TAG members reviewed code change proposal RE-7 that revises section R403.6.1 to require dwelling units be provided with an ERV/HRV in climate zones 6 through 8. The 2015 Minnesota Residential Energy Code requires

dwelling units be provided with a balanced mechanical ventilation system which is generally achieved by installing an ERV/HRV. However, the code does not require the installation of an ERV/HRV. TAG members discussed the impact of requiring ERV/HRVs in climate zone 6 on the performance path. The TAG consensus is to accept the code change proposal.

2021 IECC Section R403.6.1 Heat or energy recovery ventilation

TAG members reviewed code change proposal RE-19.1 that clarifies how the sensible recovery efficiency is determined and revises Table R403.6.2 to be equivalent to the requirements of the 2024 IECC and includes test procedures for fan types. The TAG consensus is to modify the code change proposal to require an ERV/HRV in climate zone 6 and accept the code change proposal.

2021 IECC Sections R403.3.6 through R403.5.2; R403.6.3 through R404.1

TAG members reviewed these code sections, and the consensus is to accept the model code language as written.

2021 IECC Section R404.1.1 Exterior lighting

This section requires exterior lighting for multifamily structures to comply with section C405.4 of the 2021 IECC. The reference may need to be revised because Minnesota no longer adopts the commercial provisions of the IECC.

Section R404.4 Electric readiness

TAG members reviewed code change proposal RE-7 that add several sections to the code to require dwellings be equipped with additional electric infrastructure to allow for the transition. This is one of several code change proposals that addresses electric readiness. Discussion was tabled for an upcoming meeting.

Next Meeting:

Date: Tuesday, January 2, 2024

Time: 9:00 AM

Location: Hybrid – Minnesota Room/WebEx Event

Meeting Adjourned: 12:00 PM

Prepared by: Steve Shold