

Commercial Energy Code TAG

Meeting Notes

Date: Tuesday, March 30, 2021

Meeting Location: WebEx Event

Call to order:

Greg Metz called the meeting to order at 9:01 AM

Attendance:

TAG Members present: Greg Metz (DLI), Chris Rosival (DLI), Brit McAdamis (AMBO), Ben Rabe (Fresh Energy), John Smith (Michaud Cooley Erickson), Barry Greive (Target Corp.), and Gerhard Guth (MNAIA)

TAG Members absent: Julianne Laue (Mortenson)

Guests attending: Amanda Spuckler (DLI), Chad Payment (DLI), Rich Lockrem (DLI), Steve Shold (DLI), Diana Burk, Jim Edelson, Katherine Teiken, Isabel Ricker, Eric Lacey, Holly Lahd, Russ Landry, Scott Schiesser, Gary Thaden, Nicole Westfall, Barbara Conti, Karin Gredvig, and David Williams

Worksheet and Code Change Proposal Review:

Reviewed ASHRAE 90.1-2019 Addenda a through da and Tables 6.5.6.1.2-1 and 6.5.6.1.2-2.

ASHRAE 90.1-2019, Addendums q, s, w af, cd, db, cp, cr, and da

The TAG consensus was to accept Addendums q, s, w af, cd, db, cp, cr, and da without modifications.

ASHRAE 90.1-2019, Addenda bc

The TAG reviewed addenda bc which permits gas service water-heating equipment to have a minimum thermal efficiency of 90 percent when installed in new buildings. The TAG consensus was to accept Addenda bc without modification. This reversed a previous TAG decision to accept a code change proposal that would require gas service water-heating equipment to have a minimum thermal efficiency of 92 percent.

ASHRAE 90.1-2019, Tables 6.5.6.1.2-1 and 6.5.6.1.2-2 Exhaust energy recovery requirements for ventilation systems

The TAG reviewed Tables 6.5.6.1.2-1 and 6.5.6.1.2-2. The discussion focused on the cost effectiveness of exhaust energy recovery for ventilation systems and the amount of energy that can be recovered from smaller systems with little outside air. The TAG consensus was to eliminate Table 6.5.6.1.2-2 and modify Table 6.5.6.1.2-1 so it

applies to all systems regardless of the number of hours of operation. Table 6.5.6.1.2-1 was further modified so exhaust air energy recovery is not required for ventilation systems with less than 20 percent outdoor air at full design airflow rate.

ASHRAE 90.1-2019, Addenda by

The TAG reviewed Addenda by that requires the site of certain buildings to have equipment for on-site renewable energy. The TAG heard public comments regarding the necessity of on-site renewable energy in order to meet net zero energy goals as well as the difficulties with on-site renewable energy equipment. The difficulties include utility regulations that can delay interconnection and the additional costs associated with installing equipment in areas with utility cooperatives. The TAG consensus was to accept Addenda by with modifications. The modifications are allowing a certificate of occupancy for the building when documentation from the utility deems the interconnection application complete, adding an exception from on-site renewable energy equipment requirements when community renewable energy sources are used, and permitting equipment with 40 kW capacity in areas where the utility is not a public utility.

ASHRAE 90.1-2019, Addenda ck

The TAG consensus was to accept Addenda ck with a modification to allow the use of local weather conditions when modeling on-site renewable energy systems.

Meeting Adjourned: 12:19 PM

Prepared by: Greg Metz