

Commercial Energy Code TAG

Meeting Notes

Date: Tuesday, March 16, 2021

Meeting Location: WebEx Event

Call to order:

Greg Metz called the meeting to order at 9:03 AM

Attendance:

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

Guests attending: Amanda Spuckler (DLI), Chad Payment (DLI), Rich Lockrem (DLI), Eileen McNiff (DLI), Diana Burk, Chadwick Collins, Sean Denniston, Jim Edelson, Katherine Edwards, Brad Fevold, Eric Lacey, Holly Lahd, Russ Landry, Scott Schiesser, Gary Thaden, Elizabeth Tomlinson, Nicole Westfall, Angie Wiese, and David Williams

Worksheet and Code Change Proposal Review:

Reviewed ASHRAE 90.1-2019 addenda a through p and specific code changes as described below.

Proposed Section 3.1.1 Terms defined in other codes

The TAG reviewed a code change proposal to add a section to direct code users to other codes for terms not defined in ASHRAE 90.1-2019. The TAG consensus was to accept the code change proposal.

ASHRAE 90.1-2019, Section 5.4.3.1.1 Whole-building air leakage

The TAG reviewed a code change proposal that would require the measured air leakage rate of a building envelope not exceed .25 cfm/ft² with exceptions for high-rise buildings, buildings with greater than 100,000 ft² of gross conditioned floor area, and Group R and Group I occupancies. The TAG consensus was to reject the change to the air leakage rate, accept the proposed exceptions, and delete exception 1 from section 5.4.3.1.

ASHRAE 90.1-2019, Section 5.5.3.1 Roof insulation

The TAG reviewed a code change proposal to modify section 5.5.3.1 to require mechanical curbs and other roof curbs to be insulated. The TAG consensus was to accept the code change proposal.

ASHRAE 90.1-2019, Section 5.5.3.2 Above grade wall insulation

The TAG reviewed a code change proposal to eliminate the option of insulation on the interior wall when the wall consists of both above-grade and below-grade portions. The TAG consensus was to reject the code change proposal.

ASHRAE 90.1-2019, Section 5.5.3.3 Below grade wall insulation

The TAG reviewed a code change proposal to require below grade walls to be insulated on the exterior side of the wall or the insulation to be integral to the wall. The TAG consensus was to accept the code change proposal.

ASHRAE 90.1-2019, Section 5.5.3.5 Slab-on-grade floor insulation

The TAG reviewed a code change proposal that would require perimeters to be insulated on the exterior side of the slab foundation wall and all slab-on-grade floors in conditioned spaces shall have minimum R-5 continuous insulation under the slab in Climate Zone 6 and minimum R-10 insulation in Climate Zone 7. The TAG consensus was to reject the code change proposal.

ASHRAE 90.1-2019, Section 3.2 Definitions and Proposed Section 6.1.1.4 Prohibition of enclosed parking facilities

The TAG reviewed a code change proposal to add a definition of commercial parking facility and prohibit the heating of enclosed parking facilities in accordance with Minnesota Statutes, 216C.20, subdivision 3. The proposed change would not permit the heating of parking facilities that are open to the public. The TAG consensus was to accept the code change proposal.

ASHRAE 90.1-2019, Section 6.4.2.1.1 Climatic Data Design Conditions

The TAG reviewed a code change proposal to include extreme mean winter condition and summer temperature as climatic data design conditions for several cities in Minnesota. The code change proposal updates a table located in existing Minnesota Rules, part 1323.0403, subpart 1. The TAG consensus was to accept the code change proposal.

ASHRAE 90.1-2019, section 6.4.3.4.2 – Exceptions 1 and 2

The TAG reviewed a code change proposal to delete the first sentence of exception 1 and add “relief capacity” to exception 2. The TAG consensus was to accept the code change proposal.

Proposed section 6.4.8 Dedicated Outdoor Air Systems (DOAS)

The TAG reviewed a code change proposal to require certain occupancies to be equipped with dedicated outdoor air systems (DOAS). The TAG consensus was to reject the code change proposal.

ASHRAE 90.1-2019, Tables 6.5.6.1.2-1 and 6.5.6.1.2-2 Exhaust energy recovery

The TAG tabled this item for the next meeting.

ASHRAE 90.1-2019, Addendums

The TAG consensus was to accept Addendums a, c, d, g, h, k, and l. The TAG consensus was to reject Addendums f, i, m, and n. Discussion of Addendum P was tabled for the next meeting.

Next Meeting:

Date: March 30, 2021

Time: 9:00 AM

Location: WebEx Event

Meeting Adjourned: 11:59 AM

Prepared by: Greg Metz