Shaping Tomorrow's Built Environment Today

Volume XI, Issue 21

May 21, 2021

STANDARDS ACTIONS

PUBLIC REVIEW—CALL FOR COMMENTS

Constructive comments are invited for the following Public Review Drafts, which can be accessed on ASHRAE's website at https://osr.ashrae.org. To obtain a paper copy of any Public Review Draft contact ASHRAE, Inc. Attn: Standards Public Review, 180 Technology Parkway, Peachtree Corners, GA 30092, or via email at: standards.section@ashrae.org. Paper copies are $35.00/copy if 100 pages or less and $45.00 if over 100 pages.

30-day Public Review from May 21, 2021 to June 20, 2021

- **1st Public Review of BSR/ASHRAE/IES Addendum *ae* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This addendum revises Section 8.4.4 transformer requirements based on 2016 updates to 10 CFR Part 431.196. Table 8.4.4 (Minimum Nominal *Efficiency* Levels for Low-Voltage Dry-Type Distribution *Transformers)* values have already been updated; now, a new footnote is being introduced to explain the interpolation process for values not shown in the table.

- **1st Public Review of BSR/ASHRAE/IES Addendum *ah* ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This addendum proposes changes to Section 7.5.3. The minimum E_t for a single high-capacity water heater (gas fired) has been raised from 90% to 92%. The requirements for service water heating systems supplied by multiple units have also been increased so that at least 30% of the input has an E_t of 92% or higher. Additionally, the exception for buildings that use site-solar or on-site recovered energy has been deleted since there are now general provisions covering renewables in other parts of the standard.

PUBLIC REVIEW—CALL FOR COMMENTS

45-day Public Review from May 21, 2021 to July 5, 2021

- **1st Public Review of BSR/ASHRAE/IES Addendum *ad* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This addendum outlines a proposed new structure for Section 9, Lighting. Under the new structure, all Chapter 9 prescriptive requirements would be contained in the same section (9.5). This provides better alignment with how other sections are arranged within the standard and keeps section 9.6 in reserve should a new alternative compliance path be developed in the future.

- **1st Public Review of BSR/ASHRAE/IES Addendum *ai* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This addendum modifies Appendix A to provide greater detail and clarity to the insulation requirements for a variety of metal building assemblies. Section A9.4.6, which outlines the calculation procedures for metal building assembly U-factors, now stipulates the thermal conductivity and density required for insulation when a U-factor from Table A2.3.3. (metal roofs) or Table A3.2.3 (metal walls) is used.

- **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *x* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

This first public review draft updated Section 6 chiller requirements, specifically the cooling efficiency adjustment for centrifugal chillers (6.4.1.2.1) and requirements for chillers with a freeze protection fluid (6.4.1.2.2). Throughout the first public review draft, "fluid" was used to replace "water." In this ISC, "fluid" has now been changed to "liquid" to avoid confusion with substances that are not applicable to these provisions. The ISC also removes some content (Kadj calculation examples) that is more appropriate for the user's manual and because 90.1 users will already receive access to a Kadj spreadsheet tool.

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- **2nd Public Review ISC of BSR/ASHRAE/IES Addendum *y* to ANSI/ASHRAE/IES Standard 90.1-2019, *Energy Standard for Buildings Except Low-Rise Residential Buildings***

The first public review draft proposes revisions to *Table 6.8.1-16: Heat Pump and Heat Recovery Chiller Packages Minimum Efficiency Requirements* to reflect the latest (2020) publications of AHRI 550/590 (IP) and AHRI 551/591 (SI). In this ISC, the draft has been further modified for clarity and alignment with the AHRI standards; changes include two new definitions, additional footnotes to Table 6.8.1-16, and – as in Addendum x – conversion of "fluid" to "liquid" throughout.

- **1st Public Review of BSR/ASHRAE Standard 103-2017R, *Method of Testing for Annual Fuel Utilization Efficiency of Residential Central Furnaces and Boilers***

The purpose of this standard is to provide procedures for determining the annual fuel utilization efficiency of residential central furnaces and boilers.

ERRATA

A new errata sheet for the following standard is now available on the ASHRAE website at http://www.ashrae.org/standards-errata.

- **ANSI/ASHRAE/IES Standard 90.1-2019 (I-P and SI Editions), *Energy Standard for Buildings Except Low-Rise Residential Buildings***, dated May 20, 2021. These replace the versions dated April 8, 2021.

INTERIM MEETINGS

A complete listing of project committee interim meetings is provided on ASHRAE's website at: https://www.ashrae.org/technical-resources/standards-and-guidelines/project-committee-interim-meetings.

- **SPC 37-2009R, *Methods of Testing for Rating Electrically Driven Unitary Air-Conditioning and Heat Pump Equipment,*** will hold a conference call on June 1, 2021 from 10:00 am to 12:00 pm (Eastern). For additional information contact Christopher Stone, Chair of SPC 37 (cstone@ahrinet.org).

JOIN A LISTSERVE

Click on the following link to learn more about ASHRAE Standards Activities https://www.ashrae.org/listserves.

- ⇨ SSPC 41 — Standard Methods for Measurement
- ⇨ SSPC 62.1 — Ventilation for Acceptable Indoor Air Quality
- ⇨ SSPC 62.2 — Ventilation and Acceptable Indoor Air Quality in Low-Rise Residential Buildings
- ⇨ SSPC 90.1 — Energy Standard for Buildings Except Low-Rise Residential Buildings
- ⇨ SSPC 90.2 — Energy Efficient Design of Low-Rise Residential Buildings
- ⇨ SPC 90.4 — Energy Standard for Data Centers and Telecommunications Buildings
- ⇨ SSPC 161 — Air Quality within Commercial AirCraft
- ⇨ SSPC 188 — Legionellosis: Risk Management for Building Water Systems
- ⇨ SSPC 189.1 — Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings
- ⇨ Code Interaction Subcommittee (CIS) Listserve