



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://www.ashrae.org/technical-resources/standards-and-guidelines/public-review-drafts>. All activity for reviewing and commenting on public review drafts can be accomplished completely online. 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.

Note: Paper copies are available for \$35.00/copy if 100 pages or less and \$45.00 if over 100 pages

**30-day Public Review from
July 26, 2024 to August 25, 2024**

♦ **1st Publication Public Review of BSR/ASHRAE Addendum *w* to ANSI/ASHRAE Standard 15-2022, Safety Standard for Refrigeration Systems**

This proposed addendum permits use of the ventilation airflow rate according to Section 8.9.6 (i.e. the \sqrt{G} equation of Section 8.9.8.1) where explosion proof electrical equipment is chosen as the compliance path. The other compliance path of using ventilation airflow rate according to Section 8.11.11 to mitigate the flammability hazard remains unchanged.

♦ **1st Publication Public Review of BSR/ASHRAE Addendum *h* to ANSI/ASHRAE Standard 15.2-2022, Safety Standard for Refrigeration Systems in Residential Applications**

This proposed addendum is intended to align with the approved response to the ASHRAE 15 CMP 0012-001, which modified the definition of pressure vessel in ASHRAE Standard 15.

♦ **1st Publication Public Review of BSR/ASHRAE Addendum *g* to ANSI/ASHRAE Standard 15.2-2022, Safety Standard for Refrigeration Systems in Residential Applications**

This proposed addendum updates both the normative and informative references to ASHRAE Standard 15.2.

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♦ **1st Public Review of BSR/ASHRAE/IES Addendum *ag* to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings**

This draft addendum, initiated by a continuous maintenance proposal, improves the definition of series energy recovery ratio (SERR) by removing the specific dry bulb condition at which it is rated to allow the term to be used for different conditions.

♦ **1st Public Review of BSR/ASHRAE/IES Addendum *an* to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings**

This addendum revises Section 9.5.1 Building Area Method lighting power density (LPD) values. These values are developed via a space-weighted average using the 9.5.2 Space-by-Space Method. This update was necessary because the 9.5.2 values were adjusted in Addendum *s*, which was recently approved for publication.

♦ **1st Public Review of BSR/ASHRAE/IES Addendum *au* to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings**

This addendum addresses the modeling of shading and glazing elements in the performance pathways, Section 12 and Appendix G. It enables automatically controlled shading devices as well as glazing to be credited in the proposed building.

♦ **1st Public Review of BSR/ASHRAE/IES Addendum *bb* to ANSI/ASHRAE/IES Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings**

This proposal increases the performance requirements for propeller or axial fan open-circuit cooling towers in accordance with ASHRAE TC 8.6 recommendations. The new efficiency level was found to be cost effective and compatible with the majority of products currently on the market.



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**30-day Public Review from
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♦ **BSR/ASHRAE Standard 244P, *Sustainability Assessment for Mechanical, Electrical, and Plumbing Products***

1. Purpose: This standard specifies the process for developing a lifecycle assessment-based product claim for Mechanical, Electrical, and Plumbing assemblies.

2. Scope;

2.1 This standard applies to product assemblies in which multiple raw materials are combined or processed into a single unit.

2.2 This standard is intended for use by manufacturers and by ANSI-accredited program operators and independent verifiers participating in the preparation of a lifecycle assessment-based product claim.

2.3 The process includes:

- a. creating or adopting the necessary product category rules (PCRs)
- b. performing a life-cycle assessment (LCA) in accordance with the PCRs
- c. reporting the LCA results in the product claim document
- d. registering the product claim document for public access
- e. updating PCRs and re-assessing products as needed

2.4 This document is intended to supplement ISO 14025 and related standards where an existing product claim is 1) unavailable for individual components or 2) incompatible with the documentation requirements of the final assembly.

♦ **BSR/ASHRAE Standard 245P, *Acceptable Performance Standard for District Cooling Systems***

Purpose:

1. To establish the minimum acceptable performance requirements of district cooling system, for siting, design, construction, and operation and maintenance of components including, plant systems, distribution systems and energy transfer stations.

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2. To minimize emissions from district cooling plants and plant systems, conserve water resources, materials, and resources, and construction and plans for operation.

Scope:

This standard provides:

2.1 minimum energy-efficient requirements for the design and construction, and a plan for operation and maintenance of

- a. new district cooling plants, equipment and their component systems,
- b. new portions of district cooling plants and their component systems,
- c. new equipment or component systems specifically identified in this standard that are part of a site, and
- d. new components, systems and equipment for existing district cooling plants.

2.2 criteria for determining compliance with these requirements.

2.3 establish minimum criteria for the design of critical components.

2.4 The provisions of this standard do not apply to:

- a. low rise residential, single-family houses
- b. district cooling plants that do not serve more than one building or are not defined as district cooling.
- c. Industrial focused process cooling plants that are do not supply space cooling for human comfort applications.

2.5 Where specifically noted in this standard, certain other plants or elements of plants or sites shall be exempt.

2.6 This standard shall not be used to circumvent any safety, health, or environmental requirements of the final assembly.



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45-day Public Review from July 26, 2024 to September 9, 2024

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *ab* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This addendum adjusts the exterior lighting zone descriptions in Section 9.5.3 to match industry guidance found in IES Recommended Practice RP-43. It also updates Lighting Power Density requirements for exterior applications.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *af* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

The addendum modifies Section 10.4.1, covering electric motor efficiency, to align with DOE 10 CFR 431. On June 1, 2023, DOE issued a direct final adopting new and amended efficiency standards for electric motors. The changes, which go into effect on June 1, 2027 are reflected in this addendum.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *aj* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This addendum updates the pool dehumidifier requirements in Section 6.5.6.4 in response to a continuous maintenance proposal. Dehumidification systems for pools greater than 400 square feet will be required to utilize all of the available condenser heat to meet pool water heating and/or space heating loads before other means of heating are to be employed. This addendum also provides requirements for exhaust air energy recovery systems if the minimum ventilation rates specified in new Table 6.5.6.4 are exceeded at a particular design temperature and Climate Zone.

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This addendum revises the fenestration criteria in Tables 5.5-0 through 5.5-8. The committee has determined that the new values are cost effective. Additionally, a new U-factor allowance is provided for prescriptive compliance where products are installed at higher elevations in Climate Zones 5-7.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *as* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This addendum replaces “performance curves” with a new defined term, *expanded performance data*, a more suitable descriptor for what is expected to be available from manufacturers for modeling HVAC&R equipment.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *aw* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This proposal revises the steel-frame wall U-factors in Table A3.3.3.1 based on updated linear thermal bridge psi-factors for steel framing members derived from hot-box test data. The alternative method for determining U-factors of steel-framed walls in Section A9.2 has also been rewritten to more clearly communicate that either the psi-factor or the modified AISI S250 calculation method can be used.

- ♦ **1st Public Review of BSR/ASHRAE/IES Addendum *ay* to ANSI/ASHRAE/IES Standard 90.1-2022, *Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings***

This proposal updates Section 5 and Appendix A to provide a means for determining the effective U-factor of wall assemblies where insulation is interrupted by cladding supports.



STANDARDS ACTIONS

NEW PROJECTS-CALL FOR MEMBERS

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A *Call for Members* is announced for the following new project committee. Persons who are interested in serving on this ASHRAE committee are asked to indicate their interest by completing the online membership application forms listed under Instructions for New Applicants at <https://www.ashrae.org/pcmmemberapp> or by contacting Ryan Shanley at: ASHRAE, 180 Technology Parkway, Peachtree Corners, GA 30092; phone: 678-539-1138; fax: 678-539-2138; email Standards.Section@ashrae.org.

♦ **BSR/ASHRAE Standard 245P, *Acceptable Performance Standard for District Cooling Systems***

Purpose:

1. To establish the minimum acceptable performance requirements of district cooling system, for siting, design, construction, and operation and maintenance of components including, plant systems, distribution systems and energy transfer stations.
2. To minimize emissions from district cooling plants and plant systems, conserve water resources, materials, and resources, and construction and plans for operation.

Scope:

This standard provides:

- 2.1 minimum energy-efficient requirements for the design and construction, and a plan for operation and maintenance of
 - a. new district cooling plants, equipment and their component systems,
 - b. new portions of district cooling plants and their component systems,
 - c. new equipment or component systems specifically identified in this standard that are part of a site, and
 - d. new components, systems and equipment for existing district cooling plants.
- 2.2 criteria for determining compliance with these requirements.
- 2.3 establish minimum criteria for the design of critical components

2.4 The provisions of this standard do not apply to:

- a. low rise residential, single-family houses
- b. district cooling plants that do not serve more than one building or are not defined as district cooling.
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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/ICC/USGBC/IES Standard 189.1-2023**, dated July 22, 2024. This errata replaces the current one dated March 19, 2023.

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 130-2016R, Laboratory Methods of Test for Air Terminal Units** will hold a virtual meeting on August 27, 2024 from 9:00 am to 11:00 m (Eastern).

For additional information contact Randy Zimmerman, Chair of SPC 130 (rzimmerman@titus-hvac.com).

- ♦ **SPC 33-2016R, Methods of Testing Forced-Circulation Air-Cooling and Air-Heating Coils** will hold a conference call on August 14, 2024 from 10:00 am to 11:30 am (Eastern).

For additional information contact Raymond Rite, Chair of SPC 33 (ray.rite@trane.com).

TPS CHANGES APPROVED

Title, Purpose and Scope (TPS) changes for the projects listed below were approved during the ASHRAE Fall meetings. These TPSs can be viewed on the ASHRAE website at www.ashrae.org/tps; however, they are not available for public review comment at this time. If you would like to submit a comment, please email Ryan Shanley at Standards.Section@ashrae.org.

- ♦ **ANSI/ASHRAE Standard 41.6-2021, Standard Methods for Humidity Measurement**
- ♦ **ANSI/ASHRAE/ACCA Standard 211-2018 (RA 2023), Standard for Commercial Building Energy Audits and Decarbonization Assessments**
- ♦ **ASHRAE Guideline 1.2-2019, Technical Requirements for the Commissioning Process for Existing HVAC&R Systems *and Assemblies***
- ♦ **ASHRAE Guideline 1.3-2018, Building Operation and Maintenance Training for the HVAC&R Commissioning Process**
- ♦ **ASHRAE Guideline 1.6P, Commissioning of Data Centers**



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JOIN A LISTSERVE

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

- ♦ GPC 36 — High Performance Sequences of Operation for HVAC Systems
- ♦ 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 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
- ♦ SPC 201 — Facility Smart Grid Information Model
- ♦ ASHRAE Standards Action list serve
- ♦ Code Interaction Subcommittee (CIS)