

ADDENDA

**ANSI/ASHRAE/IES Addendum cg to
ANSI/ASHRAE/IES Standard 90.1-2022**

Energy Standard for Sites and Buildings Except Low-Rise Residential Buildings

Approved by ASHRAE and the American National Standards Institute on May 30, 2025; and by the Illuminating Engineering Society on May 16, 2025.

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FOREWORD

Normative Appendix G may be used to quantify performance that exceeds the requirements of this standard. Previous versions of the standard (2013 and earlier) provided guidance for calculating the percentage improvement against this standard, but this guidance was removed when the stable baseline approach was introduced in 2016. Several third-party requirements still call for minimum percentage improvements above minimum performance. Feedback from users indicates that the guidance would be helpful and reduce confusion.

Informative Note: In this addendum, changes to the current standard are indicated in the text by underlining (for additions) and ~~striking through~~ (for deletions) unless the instructions specifically mention some other means of indicating the changes.

Addendum cg to Standard 90.1-2022

Revise Normative Appendix G, Section G1.2 “Performance Rating Calculation,” as shown (I-P and SI).

G1.2.3 Calculation of Percentage Improvement. Where quantifying performance that exceeds the requirements of Standard 90.1, the percentage improvement of the *proposed design* compared to the current requirements of the standard shall be calculated as follows:

$$\text{Percentage Improvement} = 100 \times (\text{PCI}_t - \text{PCI}) / \text{PCI}_t$$

POLICY STATEMENT DEFINING ASHRAE'S CONCERN FOR THE ENVIRONMENTAL IMPACT OF ITS ACTIVITIES

ASHRAE is concerned with the impact of its members' activities on both the indoor and outdoor environment. ASHRAE's members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE's short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

As an ongoing goal, ASHRAE will, through its Standards Committee and extensive Technical Committee structure, continue to generate up-to-date Standards and Guidelines where appropriate and adopt, recommend, and promote those new and revised Standards developed by other responsible organizations.

Through its *Handbook*, appropriate chapters will contain up-to-date Standards and design considerations as the material is systematically revised.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system's intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE's primary concern for environmental impact will be at the site where equipment within ASHRAE's scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.

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