## STANDARD

ANSI/ASHRAE/IES Addendum i to ANSI/ASHRAE/IES Standard 100-2018

# **Energy Efficiency in Existing Buildings**

Approved by the ASHRAE Standards Committee on June 24, 2023; by the Illuminating Engineering Society on January 28, 2023; and by the American National Standards Institute on July 25, 2023.

This addendum was approved by a Standing Standard Project Committee (SSPC) for which the Standards Committee has established a documented program for regular publication of addenda or revisions, including procedures for timely, documented, consensus action on requests for change to any part of the standard. Instructions for how to submit a change can be found on the ASHRAE® website (www.ashrae.org/continuous-maintenance).

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#### **FOREWORD**

Addendum i revises the Title, Purpose, and Scope to include carbon emission performance requirements in Standard 100.

**Note:** In this addendum, changes to the current standard are indicated in the text by <u>underlining</u> (for additions) and <u>strikethrough</u> (for deletions) unless the instructions specifically mention some other means of indicating the changes.

#### Addendum i to Standard 100-2018

Modify Title, Purpose, and Scope as shown.

#### Energy and Emissions Building Performance Standard Efficiency in for Existing Buildings

#### 1. PURPOSE

1.1 This standard establishes building greenhouse gas (GHG) emissions and energy consumption performance levels for existing buildings. This standard provides compliance requirements eriteria that will result in reduced energy consumption through improved energy efficiency and reduced GHG emissions of and performance in existing buildings.

#### 1.2 This standard is directed toward

- a. setting performance targets based on operational GHG emissions and energy consumption,
- b. accommodating progressively more stringent performance targets,
- c. providing a technical basis for setting building performance standards, and
- d. providing procedures and programs essential to energy efficient operation, maintenance, management, and monitoring, increasing the energy efficiency of the energy using systems and components, and upgrading the thermal performance of the building envelope.

#### 2. SCOPE

This standard applies to existing *buildings*, portions of *buildings*, and *building* complexes, including the envelope and all systems in the *building*. This standard excludes industrial and agricultural processes in *buildings* for which the energy consumption and emissions targets do not include those processes.

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### 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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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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