



**BSR/ASHRAE/IES Addendum aa
to ANSI/ASHRAE/IES Standard 90.1-2022**

Public Review Draft

Proposed Addendum aa to Standard 90.1-2022, Energy Standard for Sites and Buildings Except Low- Rise Residential Buildings

**First Public Review (October 2024)
(Draft Shows Proposed Changes to Current Standard)**

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FOREWORD

This addendum modifies the purpose and scope of the Standard to establish requirements and set criteria for considering building and site operational GHG emissions. In July 2022, ASHRAE issued a position document on building decarbonization and its role in mitigating the negative carbon impact of buildings on the environment. ASHRAE states that by 2030, the global built environment must at least halve its 2015 greenhouse gas (GHG) emissions, with all new buildings being net-zero GHG emissions in operation. Increasing stringency and enforcement of energy codes are critical for decarbonization. This addendum supports and furthers ASHRAE goals.

[Note to Reviewers: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and ~~striketrough~~ (for deletions) except where the reviewer instructions specifically describe some other means of showing the changes. Only these changes to the current standard are open for review and comment at this time. Additional material is provided for context only and is not open for comment except as it relates to the proposed changes.]

Addendum aa to 90.1-2022

1. PURPOSE

1.1 To establish the minimum *energy efficiency* requirements of *buildings* other than *low-rise residential buildings*, and *sites* for

- a. design, *construction*, and a plan for operation and maintenance; and
- b. utilization of ~~on-site renewable energy resources~~ resources.

1.2 To establish requirements that reduce greenhouse gas emissions associated with the operation and use of *buildings* and *sites*.

2. SCOPE

2.1 This standard provides

- a. minimum *energy-efficient* requirements for the design and *construction*, and a plan for operation and maintenance of,
 1. new *buildings* and their *systems*,
 2. new portions of *buildings* and their *systems*,
 3. new *systems* and *equipment* specifically identified in this standard that are part of a *site*,
 4. new *systems* and *equipment* in *existing buildings*, and
 5. new *equipment* or *building systems* specifically identified in this standard that are part of *process*

applications;

b. criteria for reducing greenhouse gas emissions associated with the operation and use of *buildings and sites*, and *systems* and *equipment* identified in Section 2.1a;

~~c.~~ ~~b.~~ criteria for controlling *systems* in the *building* or on the *site* that modify *energy* usage based on communication with *energy* suppliers to facilitate the use of lower greenhouse gas -emissions energy sources; and

d. ~~e.~~ criteria for determining compliance with these requirements.