



**BSR/ASHRAE/IES Addendum da
to ANSI/ASHRAE/IES Standard 90.1-2019**

Public Review Draft

Proposed Addendum da to Standard 90.1-2019, Energy Standard for Buildings Except Low-Rise Residential Buildings

**Second Public Review (February 2020)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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FOREWORD

The changes are made in response to the public comments that were received during the first public review. This proposed addendum has no impact on cost effectiveness.

[Note to Reviewers: This public review draft makes proposed independent substantive changes to the previous public review draft. 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 previous draft 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 substantive changes.]

Addendum da to 90.1-2019

Revise the Standard as follows (IP Units)

G2.2 Simulation Program

The *simulation program* shall be a computer-based program for the analysis of *energy consumption in buildings*. For components that cannot be modeled by the *simulation program*, the exceptional calculation methods requirements in Section G2.5 shall be used.

Informative Note

~~The simulation program should implement the rules of Appendix G that controls simulation inputs and outputs be adopted for the purposes of easier use and simpler compliance.~~

For the purpose of easier use and consistent application, the *simulation program* should automatically implement the requirements of this Appendix to generate the baseline design and *proposed design* models based on the user model of the proposed design.

G2.2.3

The *simulation program* shall be capable of performing design load calculations to determine required HVAC *equipment capacities* and air and water flow rates in accordance with Section 6.4.2.1 for both the *proposed design* and *baseline building design*.