BSR/ASHRAE/IES Addendum f to ANSI/ASHRAE/IES Standard 100-2018

First Public Review Draft

Proposed Addendum f to Standard 100-2018, Energy Efficiency in Existing Buildings

First Public Review (September 2022)
(Draft shows Proposed Changes to Current Standard)

This draft has been recommended for public review by the responsible project committee. To submit a comment on this proposed draft, go to the ASHRAE website at www.ashrae.org/standards-research--technology/public-review-drafts and access the online comment database. The draft is subject to modification until it is approved for publication by the Board of Directors and ANSI. Until this time, the current edition of the standard (as modified by any published addenda on the ASHRAE website) remains in effect. The current edition of any standard or guideline may be purchased from the ASHRAE Online Store at www.ashrae.org/bookstore or by calling 404-636-8400 or 1-800-727-4723 (for orders in the U.S. or Canada).

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Standard 209 recognizes the value of modeling in making informed decisions throughout the design, build, and commissioning stages of a building. It does so through identification of eleven modeling cycles and providing guidelines and establishing requirements specific to each of these cycles. “Major renovations of or additions to existing buildings” are explicitly included in the scope of Standard 209. The SSPC 209 project committee is in the process of revising the standard and has recognized that it could be improved by identifying specific modeling cycles relevant to alterations or additions to advancing energy efficiency of existing buildings. In doing so, guidelines and requirements specific to these projects are being considered. SSPC 209 has recognized that a connection with the provisions of Standard 100 would be valuable to these efforts. This proposed addendum serves as a step to making that connection from Standard 209 to Standard 100.

Note: This addendum makes proposed changes to the current standard. These changes are indicated in the text by underlining (for additions) and strikethrough (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.

INFORMATIVE ANNEX I—BUILDING ENERGY MODELING

II. BUILDING ENERGY MODELING

II.1 General. For larger, more complex buildings, computerized Building energy modeling simulation can play a valuable role in simulating the annual energy use of a building informing the design and operation of existing buildings undergoing energy performance renovations and in analyzing alternative energy efficiency measures (EEMs) or for optimizing energy efficiency bundles. The tool Building energy simulation can also help prioritize investment strategies and identify the most cost-effective measures.

ANSI/ASHRAE Standard 209, Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings “was created to define reliable and consistent procedures that advance the use of timely energy modeling to quantify the impact of design decisions at the point in time at which they are being made. The committee believes such an approach will improve modeling effectiveness, realize greater savings, and support achieving increasingly aggressive energy savings targets.” [Note: Excerpt from Standard 209-2018 Foreword]

REFERENCES

