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STANDARD

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

Energy Efficiency in Existing Buildings

Approved by ASHRAE and the American National Standards Institute on January 31, 2023, and by the Illuminating Engineering Society on January 3, 2023.

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FOREWORD

This addendum describes ANSI/ASHRAE Standard 209, Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings, *in Informative Annex I: "Building Energy Modeling," and adds references in this annex. This addendum revises language in the first paragraph of Informative Annex I from a modeler's perspective.*

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 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 addendum serves as a step to making that connection from Standard 209 to Standard 100.

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

Addendum f to Standard 100-2018

Modify Informative Annex I as shown. The remainder of Informative Annex I is unchanged.

INFORMATIVE ANNEX I
BUILDING ENERGY MODELING

I1. BUILDING ENERGY MODELING

I1.1 General. ~~For larger, more complex *buildings*, computerized~~ *Building* energy ~~modeling~~ simulation ~~can be~~ plays a valuable role~~tool~~ 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."

[. . .]

REFERENCES

ASHRAE. 2021~~2005~~. *ASHRAE Handbook—Fundamentals*. ~~Atlanta~~Peachtree Corners, GA: ASHRAE.

ASHRAE. 2021~~2006~~. ANSI/ASHRAE Standard 169, *Climatic Data for Building Design Standards*. ~~Atlanta~~Peachtree Corners, GA: ASHRAE.

ASHRAE. 2018. ANSI/ASHRAE Standard 209, *Energy Simulation Aided Design for Buildings Except Low-Rise Residential Buildings*. Peachtree Corners, GA: ASHRAE.

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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.

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