



**BSR/ASHRAE/IES Addendum y
to ANSI/ASHRAE/IES Standard 90.1-2016**

Public Review Draft

Proposed Addendum y to Standard 90.1-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings

**Third Public Review (November 2018)
(Draft Shows Proposed Independent Substantive
Changes to Previous Public Review Draft)**

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FOREWORD

In response to comments from the second public review, we removed the word “commonly” since it is subject to interpretation.

This addendum impacts an optional performance path in the standard designed to provide increased flexibility and therefore was not subjected to cost effectiveness analysis.

[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 ~~strikethrough~~ (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 y to 90.1-2016

Modify the standard as follows (IP and SI Units)

G3.1.2.2.1 Sizing Runs

Weather conditions used in sizing runs to determine baseline *equipment* capacities shall be based on design days developed using *heating design temperatures, cooling design temperature, and cooling design wet-bulb temperature*. For cooling sizing runs, schedules for internal loads including those used for infiltration, occupants, lighting, gas and electricity using *equipment* shall be equal to the highest hourly value used in the annual simulation runs and applied to the entire design day. For heating sizing runs, schedules for internal loads including those used for occupants, lighting, gas and electricity using *equipment* shall be equal to the lowest hourly value used in the annual simulation runs and schedules for infiltration shall be equal to the highest hourly value used in the annual simulation runs and applied to the entire design day.

Exception: For cooling sizing runs in *residential dwelling units*, the infiltration, occupants, lighting, gas and electricity using *equipment* hourly schedule shall be the same as the most ~~commonly~~ used hourly weekday schedule from the annual simulation.