

Public Review Draft

Proposed Addendum ac to Standard 189.1-2017

Standard for the Design of High-Performance Green Buildings Except Low-Rise Residential Buildings

First Public Review (May 2019)
(Draft Shows Proposed Changes to Current Standard)

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FOREWARD:

This addendum limits automated demand response requirements to regions where a demand response program is available. An exception is added for buildings with a gross conditioned floor area less than 5,000 ft². The revision also includes that the building controls need to be capable of documenting results of the demand response event.

The same definition for gross conditioned floor area was also added in addendum w.

[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) unless the instructions specifically describe some other means of indicating the changes. Only the changes shown in this addendum are open for review and comment at this time. Other addenda and any other additional material is provided for context only and is not open for comment except as it relates to the proposed substantive changes of this addendum.]

Addendum ac to 189.1-2017

Add new definition as follows to Section 3.2:

Gross conditioned floor area: See ANSI/ASHRAE/IES Standard 90.1.

Revise Section 7.3.4 as follows (sections not shown are not changed):

7.3.4 ~~Where a demand response (DR) program is available to the building project, Building projects shall contain automatic control systems that have the capability to reduce building equipment loads to lower electric peak demand of the building. The~~ the building controls shall be designed with automated demand response (DR) infrastructure capable of receiving DR requests from the utility, electrical system operator, or third-party DR program provider and automatically implementing load adjustments to the HVAC and lighting systems.

Exception to Section 7.3.4: Buildings with a *gross conditioned floor area* less than 5000 ft² (500 m²).

7.3.4.1 HVAC Systems Zone Set Points ...

7.3.4.2 Variable-Speed Equipment ...

7.3.4.3 Lighting ...