

Public Review Draft

Proposed Addendum to Standard 189.1-2017

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

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

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Foreword

This addendum reflects changes to Chapters 7 and 8 necessary because of updates that occurred in the referenced standard ASHRAE 62.1-2019.

[Note to Reviewers: This addendum 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 public review 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 changes.]

Addendum bg to 189.1-2017

Revise Section 8 as follows:

8.3.1.3 Filtration and Air Cleaner Requirements

...

b. [JO] Outdoor air ozone removal. Air cleaning devices for ozone shall be provided for buildings located in an area that is designated “non-attainment” for ozone by the US EPA, or located in an area that does not comply with applicable ambient air quality standards for ozone as determined by the *authority having jurisdiction (AHJ)*. Such air cleaning devices shall have an ozone removal efficiency of not less than 40% where installed, operated, and maintained in accordance with the manufacturer’s recommendations, and shall ~~be installed in all outdoor air intakes~~ treat all outdoor air intake flow. This requirement supersedes the requirements of ASHRAE Standard 62.1, Section 6.1.4.3. This requirement applies to all buildings, including health care facilities covered by ASHRAE/ASHE Standard 170.

Exceptions to 8.3.1.3b:

1. ~~The system design~~ Systems designed with an outdoor air intake flow is of 1.5 air change per hour or less.
2. Where controls ~~Controls~~ are provided that sense outdoor ozone level and reduce intake airflow to 1.5 air change per hour or less while complying with the outdoor airflow requirements of Section 8.3.1.1.
3. ~~Outdoor air is~~ brought into the building and heated by direct-fired ~~makeup air~~ makeup air units.