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Cognizant TC: 2.8 Building Environmental Impacts and Sustainability
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FOREWORD

In ASHRAE Standard 189.1-2014, Preoccupancy Ventilation Control was section number 8.3.1.7, and it contained a reference to its own section number within the text. Three intermediate sections were then added in 2017, and Preoccupancy Ventilation Control was renumbered to 8.3.1.10. However, the text was not revised accordingly. Addendum bf removes the inaccurate reference to Section 8.3.1.7 and provides additional clarifications that were deemed necessary based on 2019 additions to ASHRAE Standard 90.1 that allow for reductions in ventilation based on sensed changes in occupancy and other environmental conditions but are not appropriate during preoccupancy ventilation. The stringency and original intent of Section 8.3.1.10 has not been changed.

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 bf to Standard 189.1-2017

Modify Section 8.3.1.10 as shown.

8.3.1.10 Preoccupancy Ventilation Control. Ventilation systems serving zones that are not continuously occupied shall have controls designed to automatically provide outdoor air to the zones, prior to their scheduled occupancy, where the zones served by the ventilation system have been unoccupied for 24 hours or longer. This preoccupancy ventilation shall be provided continuously at the system zone design minimum outdoor airflow for a period of one hour prior to the expected occupancy, or at an outdoor air rate and for a time period that provides the same number of air changes as the design minimum outdoor airflow for one hour. If the preoccupancy ventilation period requires ventilation earlier than as required by ANSI/ASHRAE/IES Standard 90.1, Section 6.4.3, the preoccupancy ventilation start time of Section 8.3.1.7 shall take precedence. The required combination of ventilation duration and airflow to the zone to accomplish preoccupancy ventilation shall not be modified in response to sensed occupancy; demand control ventilation (DCV) controls; or preoccupancy building warm-up, cooldown, or setback.

Exceptions to 8.3.1.10

1. Zones that are continuously occupied
2. Hotel and motel guest rooms subject to automatic control of HVAC and lighting as required in Sections 7 and 8.
ASHRAE is concerned with the impact of its members’ activities on both the indoor and outdoor environment. ASHRAE’s members will strive to minimize any possible deleterious effect on the indoor and outdoor environment of the systems and components in their responsibility while maximizing the beneficial effects these systems provide, consistent with accepted Standards and the practical state of the art.

ASHRAE’s short-range goal is to ensure that the systems and components within its scope do not impact the indoor and outdoor environment to a greater extent than specified by the Standards and Guidelines as established by itself and other responsible bodies.

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.

ASHRAE will take the lead with respect to dissemination of environmental information of its primary interest and will seek out and disseminate information from other responsible organizations that is pertinent, as guides to updating Standards and Guidelines.

The effects of the design and selection of equipment and systems will be considered within the scope of the system’s intended use and expected misuse. The disposal of hazardous materials, if any, will also be considered.

ASHRAE’s primary concern for environmental impact will be at the site where equipment within ASHRAE’s scope operates. However, energy source selection and the possible environmental impact due to the energy source and energy transportation will be considered where possible. Recommendations concerning energy source selection should be made by its members.
Standard 189.1 and the International Green Construction Code
Standard 189.1 serves as the complete technical content of the International Green Construction Code® (IgCC). The IgCC creates a regulatory framework for new and existing buildings, establishing minimum green requirements for buildings and complementing voluntary rating systems. For more information, visit www.iccsafe.org.

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As an industry leader in research, standards writing, publishing, certification, and continuing education, ASHRAE and its members are dedicated to promoting a healthy and sustainable built environment for all, through strategic partnerships with organizations in the HVAC&R community and across related industries.

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