ANSI/ASHRAE/ICC/USGBC/IES Addendum z to
ANSI/ASHRAE/ICC/USGBC/IES Standard 189.1-2020

Standard for
the Design of
High-Performance
Green Buildings

Except Low-Rise
Residential Buildings

The Complete Technical Content of the International Green Construction Code®


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FOREWORD

As the impacts of climate change begin to appear at the local level, some plants are becoming difficult to use in some regions. It makes sense for Standard 189.1 avoid use of plants that are unlikely to thrive or even survive. Trees provide a multitude of benefits, including cooling from shade and evapotranspiration, serving as habitats for birds and other taxa, improving air quality, etc. Trees are also particularly vulnerable to climate change, as they’re more likely to encounter environments that differ significantly from those in which they were planted, due to their longer lifespans.

Addendum ab provides a jurisdictional option (JO) promoting plants that are resilient. This JO can only be practically used in communities where there is published guidance as to what plants are considered resilient.

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 ab to Standard 189.1-2020

Revise Section 3.2 by adding the following:

resilient plants: plants determined in an approved reference to be tolerant of local climate changes expected to affect the site.

Add Section 5.3.3.3 as shown.

5.3.3.3 [JO] Plant Resiliency. Newly planted woody plants shall be resilient plants.
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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