



Shaping Tomorrow's
Built Environment Today

Standard 189.1

ANSI/ASHRAE/USGBC/IES/ICC Standard 189.1, Standard for the Design of High Performance, Green Buildings Except Low-Rise Residential Buildings

Purpose

To provide minimum requirements for the siting, design, construction and plan for operation of high-performance green buildings to balance environmental responsibility, resource efficiency, occupant comfort and well-being, and community sensitivity, and support the goal of development that meets the needs of the present without compromising the ability of future generations to meet their own needs.

Significance

Published by ASHRAE, in conjunction with the Illuminating Engineering Society of North America (IES), the International Code Council (ICC) and the U.S. Green Building Council (USGBC), Standard 189.1, *Standard for the Design of High-Performance, Green Buildings Except Low-Rise Residential Buildings*, is the first code-intended commercial green building standard in the United States. The standard currently serves as a compliance option in the International Green Construction Code (IgCC) sponsored by ASHRAE, ICC, IES, USGBC, the American Institute of Architects (AIA) and ASTM International. The standard will serve as the technical content for the IgCC beginning in 2018.

Scope

- Provides minimum criteria that apply to the following elements of building projects:
 - new buildings and their systems.
 - new portions of buildings and their systems.
 - new systems and equipment in existing buildings.

- Addresses site sustainability, water use efficiency, energy efficiency, indoor environmental quality (IEQ), and the building's impact on the atmosphere, materials and resources.

Facts

- Incorporated by the U.S. Army, Navy and Air Force into Unified Facilities Criteria for Energy and Sustainability Building Requirements.
- Availability of a User's Manual to Standard 189.1-2014, written to help engineers, architects, and contractors understand and comply with the standard and to help code officials and others enforce its requirements.
- A national voluntary consensus standard developed under the auspices of ASHRAE. Consensus is defined by the American National Standards Institute (ANSI), of which ASHRAE is a member and which has approved this standard as an American National Standard. It is revised through publication of addenda using a continuous maintenance process that includes public review of each proposed addendum.
- Written in code-compatible language, allowing for easier adoption by standards development organizations as well as federal, state and local agencies.