

Presenter: Sheila Hayter | 2017-2018 ASHRAE President Elect



ASHRAE Overview

Mission: To advance the arts and sciences of heating, ventilation, air conditioning and refrigeration to serve humanity and promote a sustainable world.

Vision: ASHRAE will be the global leader, the foremost source of technical and educational information, and the primary provider of opportunity for professional growth in the arts and sciences of heating, ventilating, air conditioning and refrigerating.

ASHRAE Overview

- Founded in 1894
- 56,500+ volunteer
 members in more than
 130 countries
 - 6,000+ student members
 - 15 regions
 - 183 chapters
 - 300 student branches



- Industry Classification
 - Consulting engineers
 - Contractors
 - Manufacturers
 - Manufacturing representatives
 - Government, health and education
 - Design build
 - Architects
- U.S./Canada (45,000+)
- Global (12,000+)

What We Do and How We Do It

What We Do

- Serve as pipeline for technical information to members, chapters and companies
- Create standards and technical guidelines to serve built environment
- Offer continuing education for industry professionals
- Serve as networking tool for industry professionals

How We Do It

- 27 standing committees
- 130 standards and guidelines committees
- 100+ technical committees
- 300+ publications
- Six certification programs
- 100+ educational courses
- Research

Standards



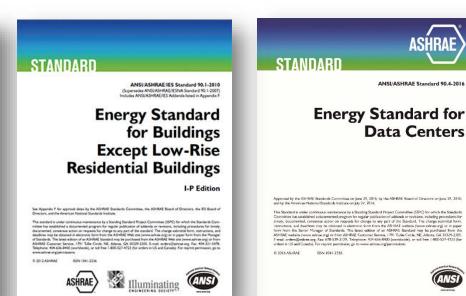


Approved by the ASHRAE Standards Committee on May 27, 2015; by the ASHRAE Board of Directors on June 4, 2015; and by the American National Standards Institute on June 26, 2015.

This Standard is under continuous maintenance by a Standing Standard Project Committee (SSPC) for which the Standard Committee that established a documented program for regular publication of address or revision, including procedure for standard program of the standard publication of address or revision, including procedure for standard continuous, and standard some pick or publication and publi

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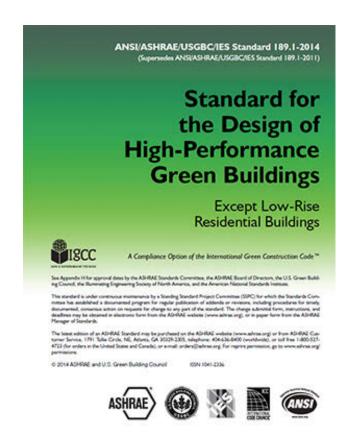




ANSI/ASHRAE Standard 90.4-2016

ASHRAE Standard 189.1-2014, Standard for the Design of High-Performance Green Buildings

- Standard 189.1 provides total building sustainability guidance for designing, building and operating highperformance green buildings
- Has broader scope than Standard 90.1
- Partners with the International Code Council (ICC) for the International Green Construction Code (IgCC)
- Single resource on green buildings "IgCC powered by 189.1" to be published in summer 2018



ASHRAE Standard 188, Legionellosis: Risk Management for Building Water Systems

- Beneficial for those in design, construction, installation, commissioning, operation, maintenance and service of centralized building water systems and components
- Standard 188 establishes minimum legionellosis risk management requirements for building water systems
- This is the foundation of the CDC's Toolkit entitled "Developing a Water Management Program to Reduce Legionella Growth and Spread in Buildings"



ANSI/ASHRAE Standard 188-2015

Legionellosis: Risk Management for Building Water Systems

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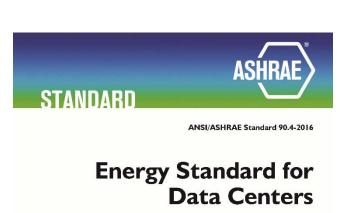
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ASHRAE Standard 90.4-2016, Energy Standard for Data Centers

- Standard 90.4 was designed to ensure only the most inefficient data centers are non-compliant
- Is aggressive but has very achievable mechanical and electric efficiency requirements that save agencies money
- Data centers are often the largest energy users at an agency
- Works in concert with Standard 90.1



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ASHRAE Standard 90.1-2016, Energy Standard for Buildings Except Low-Rise Residential Buildings

- Standard 90.1 is a benchmark for commercial building energy codes
- ASHRAE has set forth efforts to address plug load reduction and help design teams account for them when evaluating building loads with Standard 90.1
- "Regulated loads" are no longer included in a summary of energy savings in the Standard 90.1 revision in 2016
- Plug loads will continue to be a critical component in achieving Advanced Energy Design Guides



ANSI/ASHRAE/IES Standard 90.1-2010 (Supersedes ANSI/ASHRAE/IESNA Standard 90.1-2007) Includes ANSI/ASHRAE/IES Addends Issaed in Appendix F

Energy Standard for Buildings Except Low-Rise Residential Buildings

I-P Edition

See Appendix P for approval does by the ASHMAS Standards Committee, the ASHMAS Board of Directors, the IES Board of Directors, and the American National Standards Institute.

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Extending Our Community

- **ASHRAE 2017 Building Performance Analysis Conference**: September 27-29, 2017 Atlanta, GA.
- 2017 Developing Economies: November 10-11, 2017 Delhi, India.
- **2018 ASHRAE Winter Conference and AHR Expo**: January 20-24, 2018 Chicago, IL.

To Join or Renew - www.ashrae.org/join
To Get More Involved -www.ashrae.org/volunteer