

# **ASHRAE GreenGuide: Design, Construction, and Operation of Sustainable Buildings, Fourth Edition**

American Society of Heating Refrigerating and Air-Conditioning Engineers



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## ASHRAE GreenGuide: Design, Construction, and Operation of Sustainable Buildings, Fourth Edition

American Society of Heating Refrigerating and Air-Conditioning Engineers HVAC&R system designers, architects, building owners, building managers and operators, and contractors interested in green building design will all find helpful information in ASHRAE GreenGuide, Fourth Edition. Using an integrated, building systems perspective, ASHRAE GreenGuide covers what to do, where to turn, what to suggest, and how to interact with other members of the design team in a productive way. Information is provided on each stage of the building process, from planning to operation and maintenance of a facility, with emphasis on teamwork and close coordination among interested parties.

This fourth edition of ASHRAE GreenGuide is a valuable reference for both the experienced practitioner as well as a professional new to the field and industry. Along with major revisions to all chapters, a new chapter on sustainable sites has been added, and the chapter on indoor environmental quality has been completely rewritten. GreenTips found throughout this edition highlight techniques, processes, measures, or special systems in a concise, understandable format. Building-Type GreenTips provide insight and advice on sustainable design and operation practices for key facility types with specific needs, such as data centers. Guidance is provided in dual units-Inch-Pound (I-P) and International System (SI)-so that the content is easily applicable worldwide. Each chapter also includes a valuable list of references and additional resources.

Features: Major revisions to all chapters New chapter on sustainable sites GreenTips with detailed insights for design and operation Dual units

Benefit to the Customer: Complete green-building guidance from planning to operation in one book Content applicable worldwide Valuable references and resources

ASHRAE, founded in 1894, is an international organization of some 50,000 persons. ASHRAE fulfills its mission of advancing heating, ventilation, air conditioning, and refrigeration to serve humanity and promote a sustainable world through research, standards writing, publishing, and continuing education.

The ASHRAE Handbooks are the design standard for control of built environments with volumes on Systems and Equipment, HVAC Applications, Refrigeration and Fundamentals. Each is updated every four years. In addition to publishing design guidance for engineers, architects, and facility managers, we also publish a series of texts for classroom use.

Some of the areas we publish in include: -Energy Modeling and Auditing -High Performance Building Design -Psychrometrics -Indoor Air Quality and Environmental Quality
-Data Center Energy Efficiency
-Noise & Vibration Control
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