

An Essential Green Buildings Reference Resource

As awareness of the built environment's impact on the natural environment and human occupants grows, the interest in and need for sustainable engineering concepts has increased. In the past few decades, ASHRAE GreenGuide, a landmark publication in the sustainable building arena, has evolved with the growing acceptance of green design practices.

Written and reviewed by buildings professionals with real-world experience, the sixth edition of ASHRAE GreenGuide has been revised and streamlined to become a reference resource for practicing buildings industry professionals. Each stage of the building process, from planning to operation, is detailed with an emphasis on collaboration between practitioners.

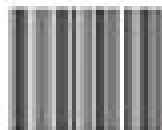
Updates to this edition include:

- In-depth discussion of emerging industry trends, including building decarbonization and zero energy emissions
- New material on designing and operating buildings and their systems in response to current and expected climate change and accompanying extreme weather events; the need to increase resilience in the built environment; and identifying the interrelationship of sustainability, efficiency, and smart technologies with building resilience
- Updated Greenfix and Digging Deeper sections for detailed, practical examples



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ASHRAE GreenGuide

Sixth Edition



ASHRAE GreenGuide

Design, Construction, and Operation
of Sustainable Buildings

Sixth Edition

- Completely revised by experienced industry professionals
- Updated information on building decarbonization and zero energy emissions
- Focused and in-depth Greenfix and Digging Deeper sections



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ASHRAE Greenguide American Society of Heating, Refrigerating and Air-Conditioning Engineers,ASHRAE (Firm),2013 Whether you are an HVAC and R system designer architect building owner building manager operator or contractor charged with designing a green building ASHRAE GreenGuide aims to help you answer your biggest question What do I do now Using an integrated building systems perspective it gives you the need to know information on 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 an easy to use reference with information on almost any subject that should be considered in green building design The GreenTips found throughout this edition highlight techniques processes measures or special systems in a concise often bulleted format Also information is provided in dual units Inch Pound I P and International System SI so that the content is easily applicable worldwide References and resources mentioned are listed at the end of each chapter for easy access Ashrae Greenguide

,2014-05-14 The third edition of the ASHRAE GreenGuide features information for anyone charged with designing a sustainable building on a variety of green design issues that should be considered when tasked with this type of project

ASHRAE Greenguide ,2010 The third edition of the ASHRAE GreenGuide features information for anyone charged with designing a sustainable building on a variety of green design issues that should be considered when tasked with this type of project Provided by publisher *ASHRAE GreenGuide* David L. Grumman,American Society of Heating, Refrigerating and Air-Conditioning Engineers,2003 The ASHRAE GreenGuide was developed primarily to provide guidance to designers of HVAC R systems in how to participate effectively on design teams charged with producing green buildings Provided by publisher **Guide to Energy Management** Barney L. Capehart,Wayne C. Turner,William J. Kennedy,2012 Completely revised and edited throughout this latest edition includes new chapters on creating green buildings and web based building automation controls along with a comprehensive revision of the chapter on lighting Written by three of the most respected energy professionals in the industry this book examines the fundamental objectives of energy management and illustrates techniques and tools proven effective for achieving results Topics include distributed generation energy auditing rate structures and economic evaluation techniques as well as lighting efficiency improvement HVAC optimization combustion and use of industrial wastes and steam generation and distribution system performance Publisher description **Energy Calculations and Problem Solving Sourcebook** Scott Dunning,Larry S. Katz,2020-11-26 Based on the Body of Knowledge this book is designed to serve as a practical guide for energy professionals preparing to take AEE s Certified Energy Manager

CEM examination The reference presents an overview of the specific areas of expertise referenced in the current Body of Knowledge in a guided preparatory format including detailed specifically targeted reference materials The full scope of energy calculations and problem solving strategies which must be mastered are presented covering relevant codes and standards energy accounting and economics electrical lighting and HVAC systems motors and drives industrial systems building envelope building automation and control systems renewable energy boiler and steam systems thermal storage maintenance commissioning alternative financing and much more Green Building LEED and Energy Star programs are also addressed The appendix provides a broad range of useful reference tables as well as mathematical formulas specific to each specific area of energy management addressed While aimed at those taking the ANSI certified CEM exam this text is also an excellent reference to be used throughout an energy manager s professional career *Guide to Energy Management, Eighth Edition - International Version* Barney L. Capehart, William J. Kennedy, Wayne C. Turner, 2020-11-26 This new International Version includes all material covered in the standard eighth edition but numerical data and calculations are expressed in Systeme International SI units Completely revised this latest edition includes new chapters on electrical systems motors and drives commissioning and human behavior and facility energy management Also updated are chapters on lighting HVAC systems web based building automation control systems green buildings and greenhouse gas management Written by respected professionals this book examines objectives of energy management and illustrates techniques proven effective for achieving results Handbook of Green Building Design and Construction Sam Kubba, 2016-10-15 Handbook of Green Building Design and Construction LEED BREEAM and Green Globes Second Edition directly addresses the needs of building professionals interested in the evolving principles strategies and concepts of green sustainable design Written in an easy to understand style the book is updated to reflect new standards to LEED In addition readers will find sections that cover the new standards to BREEAM that involve new construction Infrastructure data centers warehouses and existing buildings Provides vital information and penetrating insights into three of the top Green Building Codes and Standards applied Internationally Includes the latest updates for complying with LEED v4 Practices and BREEAM Presents case studies that draws on over 35 years of personal experience from across the world

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