

Green Building Guidelines

Pretty Good House provides a framework and set of guidelines for building or renovating a high-performance home that focus on its inhabitants and the environment--but keeps in mind that few people have pockets deep enough to achieve a "perfect" solution. The essential idea is for homeowners to work within their financial and practical constraints both to meet their own needs and do as much for the planet as possible. A Pretty Good House is: * A house that's as small as possible * Simple and durable, but also well designed * Insulated and air-sealed * Above all, it is affordable, healthy, responsible, and resilient.

An important consideration for energy-efficient buildings is their primary energy requirements over the entire life cycle. How to determine this? What integrative factors influence the performance of a healthy and sustainable building? This, while it may be important for clients and architects to know, is frequently not very transparent. This book has been written to assist with clarifying target criteria and expanding horizons when it comes to ecological buildings. It is meant as a handbook and source of reference for clients, architects, planners and building operators, to provide them with pertinent information about their design, construction and operation: how to do this in the most energy-efficient and economical manner? Also, there is feedback and documentation about prominent buildings like the Hamburg Dockland or the

Landesbank Baden-Wuerttemberg in Stuttgart. They provide excellent architectural examples for detailed construction and design solutions. Further, there are insightful interviews with architects and clients about many important buildings, which help turn this book into an integrated source of reference for sustainable architecture. - A Guideline for Planning, Construction and Operation of sustainable Buildings - A source of reference for clients, architects, planners and building operators - Innovative architectural examples with sustainable concepts and design

Illustrates the Global Relevance of

Sustainability Applicable to roads, bridges, and other elements of the infrastructure, Green Building with Concrete: Sustainable Design and Construction, Second Edition provides an overview of all available information on the role of concrete in green building. A handbook offering viewpoints from worldwide experts

Practical Guidance for Built Environment Professionals

California Green Building Standards Code 2010

Energy-Efficiency Standards and Green Building

Certification Systems Used by the Department of Defense for Military Construction and Major Renovations

Understanding Green Building Guidelines: For Students and Young Professionals

Mapping of Green Building Codes and Building Energy Efficiency in ASEAN

LEED, BREEAM, and Green Globes

Green Building Guidelines: Meeting the Demand for

Low-Energy, Resource-Efficient Homes was developed by a committee of builders (both members and non-members of NAHB), architects, building scientists, product manufacturers and others over a 2 1/2 year period (1998-2001). Their work was supported by DOE's Building America Program through the National Renewable Energy Laboratory. The manual is published by the Sustainable Buildings Industry Council and is used in a workshop or seminar setting, or as a stand-alone document. It is a brief, simple-to read, builder-friendly text that is applicable to homebuilders anywhere across the nation who are interested in exploring the notion of rethinking some of the design issues in their current product. The Green Building Guidelines manual is now in its fourth edition. It has been updated and reorganized a bit to make topics easier to find. We've also added two new sections, The Whole Building Approach and The Building Envelope. The Guidelines are intended to be national in scope, and as a result, the construction information and example details may not fit all climates or circumstances. The text has been organized to acquaint the reader with basic concepts and provide resources where more detailed information can be located. At the end of each section, readers find "Interactions," references to other sections of the book that describe design strategies, systems, components, or materials that interact in important ways with the topic of the chapter.

From the creator of the popular website Ask a Manager and New York’s work-advice columnist comes a witty, practical guide to 200 difficult professional conversations—featuring all-new advice! There’s a reason Alison Green has been called “the Dear Abby of the work world.” Ten years as a workplace-advice columnist have taught her that people avoid awkward conversations in the office because they simply don’t know what to say. Thankfully, Green does—and in this incredibly helpful book, she tackles the tough discussions you may need to have during your career. You’ll learn what to say when • coworkers push their work on you—then take credit for it • you accidentally trash-talk someone in an email then hit “reply all” • you’re being micromanaged—or not being managed at all • you catch a colleague in a lie • your boss seems unhappy with your work • your cubemate’s loud speakerphone is making you homicidal • you got drunk at the holiday party

Praise for Ask a Manager
“A must-read for anyone who works . . . [Alison Green’s] advice boils down to the idea that you should be professional (even when others are not) and that communicating in a straightforward manner with candor and kindness will get you far, no matter where you work.”—Booklist (starred review) “The author’s friendly, warm, no-nonsense writing is a pleasure to read, and her advice can be widely applied to relationships in all areas of readers’ lives. Ideal for anyone new to the job market or new to management, or anyone hoping to improve their

work experience.”—Library Journal (starred review)
“I am a huge fan of Alison Green’s Ask a Manager column. This book is even better. It teaches us how to deal with many of the most vexing big and little problems in our workplaces—and to do so with grace, confidence, and a sense of humor.”—Robert Sutton, Stanford professor and author of *The No Asshole Rule* and *The Asshole Survival Guide* “Ask a Manager is the ultimate playbook for navigating the traditional workforce in a diplomatic but firm way.”—Erin Lowry, author of *Broke Millennial: Stop Scraping By and Get Your Financial Life Together*

Buildings, whether residential, commercial, government, or special-use, are core components of the nation's infrastructure. Their construction, operation, and demolition are increasingly recognized as major sources of environmental impact. Without significant transformation of building construction and operations, that impact is expected to increase with population growth and changes in other demographic and economic factors. One strategy for achieving that transformation is most widely known by the term green building. In general, green building can be characterized as integrated building practices that significantly reduce the environmental footprint of a building in comparison to standard practices. Descriptions of green building generally focus on a number of common elements, especially siting, energy, water, materials, waste, and health. Serviceability or utility is also an explicit design

element for a class of green buildings known as highperformance buildings. One of the most salient features of green building is integration of the various elements. Although individual elements can be addressed separately, the green building approach is more comprehensive, focusing on the environmental footprint of a building over its life cycle, from initial design and construction to operations during the building's useful life, through eventual demolition and its aftermath. The desire to integrate the various elements of green building has led to the development of rating and certification systems to assess how well a building project meets a specified set of green criteria. The best-known system is Leadership in Energy and Environmental Design (LEED). Developed by the U.S. Green Building Council, it focuses on site, water, energy, materials, and indoor environment. Recently, green building practices have found their way into model building codes and standards. These model codes and standards are then adapted and incorporated into enforceable municipal and state building codes. The federal government has no enforcement responsibilities of building codes, but does play a role in the development, adoption, and compliance of codes by state and local governments.

High Performance Building Guidelines
Project Planning and Cost Estimating
Home Remodeling
Pretty Good House

Green Building Guidelines

Green Building: Principles and Practices in Residential Construction

The ICC/ASHRAE 700-2015 National Green Building Standard(TM) (NGBS) has been approved by the American National Standards Institute for all types of sustainable residential construction. A collaborative effort of the International Code Council, ASHRAE and the National Association of Home Builders, NGBS outlines a variety of green practices that can be incorporated into new homes and multifamily buildings, as well as hotels, dormitories and land developments. The Standard also delivers stand-alone chapters for both home remodeling and additions and renovations of multifamily buildings. The green practices address site and lot design, preparation and development; resource, energy and water efficiency; indoor environmental quality; and operation, maintenance and building owner education. Four levels--Bronze, Silver, Gold and Emerald--enable residential professionals to integrate sustainability and high performance at a level most appropriate for their businesses and specific housing markets. Changes for the 2015 Edition The 2015 edition incorporates changes that better align the NGBS with the I-codes, expands the application of innovative practices and builds upon years of building and certifying to NGBS. Some of the more notable updates include: - Substantial revisions to the Energy Efficiency chapter, which now has more stringent rating levels based upon whole-house energy savings that are above the 2015 International Energy Conservation Code. - A comprehensive update of the

exterior and interior lighting provisions including common areas in multifamily building. - Mandatory installation of carbon monoxide alarms for all buildings, regardless of level of certification or local code. - Revamped stormwater management options that encourage low-impact development practices. - Greater emphasis on and recognition of multi-modal transportation options including bicycle parking, pedestrian connectivity, proximity to transit and electric-vehicle charging. - New references in the Resource Efficiency chapter for Environmental Product Declarations for both specific and industry-wide products. This latest edition includes everything needed to design, construct or remodel any residential project to the most current sustainable and green building criteria available - all under one roof! Experts consider green construction and the social, institutional, and cultural changes associated with it, through a sociological and organizational lens. The latest building standards must reflect the latest industry trends and technologies, and the California Green Building Standards Code, Title 24 Part 11 was designed to do exactly that. Part 11 of the 12-part California Code of Regulations, Title 24, this valuable resource offers your students the guidelines and regulations to keep up with the increasingly important trend of "going green". With coverage that ranges from energy efficiency to water efficiency and conservation, and from material conservation and resource efficiency to environmental quality and more, it will prove to be an indispensable tool for anyone in or entering the construction industry. Check out our app, DEWALT

Mobile Pro(tm). This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit dewalt.com/mobilepro.

Constructing Green

Green Building Overview and Issues

Guide to the 2019 California Green Building Standards Code Residential

A Guide to Building Products and their Impact on the Environment

Understanding LEED, Green Globes, Energy Star, the National Green Building Standard, and More

New Financial Strategies for Sustainable Buildings

High performance buildings maximize operational energy savings; improve comfort, health, & safety of occupants & visitors; & limit detrimental effects on the environment. These Guidelines provide instruction in the new methodologies that form the underpinnings of high performance buildings. They further indicate how these practices may be accommodated within existing frameworks of capital project administration & facility management. Chapters: city process; design process; site design & planning; building energy use; indoor environment; material & product selection; water mgmt.; construction admin.; commissioning; & operations & maintenance.

This guide was developed by the California Department of Housing and Community Development for the purpose of assisting code users with application of code requirements, and to increase awareness and understanding of the 2019 California Green Building Standards Code, Part 11, Title 24, otherwise known as CALGreen (effective January 1, 2020).

Summarizes the main issues and strategies of the forceful and fast-paced green building movement. Many professions are increasingly producing tools to assist clients in breaking down and understanding

the different elements that reside under the umbrella of the sustainability movement. For the design and construction professions, this unpacking often takes the form of green building guidelines and rating systems. This book aims to look at a selection of both national and local green building rating systems and guidelines, ranging from commercial to residential. While the goal is to provide students and young professionals with a solid overview of each product, enabling them to understand the differences and select the most appropriate system for their chosen projects, the book provides valuable overviews and comparisons for anyone interested in better buildings: designers, homeowners, realtors, contractors, facility managers, site designers, and more.

2008 California Green Building Standards Code

The LEED Guidelines

City of Austin Sustainable Building Guidelines

Meeting the Demand for Low-Energy, Resource-Efficient Homes

Green Building with Concrete

LEED V4 Edition (2016)

A future with a diminishing supply of nonrenewable resources is raising concerns in every aspect of our lives. The phrase 1sustainable2 or 1green2 development is being used to describe a wide variety of issues that take these concerns into consideration during the planning, design, and implementation process. In an effort to increase the number of green buildings developed throughout the country the United States Green Building Council (USGBC) established the Leadership in Energy and Environmental Design (LEED) Guidelines. The guidelines are a framework which assists members of a development team to quantify whether or not a project is in fact 1green2 or 1sustainable2. The guidelines provide a step by step approach within several categories associated with green

development. The goals of this paper will be to explore how the guidelines have already been implemented on a city level in an effort to encourage the development of green buildings. Along with an understanding of how the guidelines have been used to promote green development, there will be a discussion of what the potential benefits of green development would be if implemented on a county level and why such practices have not already occurred.

With the ever increasing drought conditions in the southwestern U.S., the growing population, and the effects of climate change the policy makers will have no choice but to reduce the water usage in residential homes through regulation. It should be imperative to find the best green home certification guideline that gives the most importance to the water efficient home. Also new guidelines should be created that could be used by anyone who is interested in creating a water efficient house. The three certification systems for green buildings that were compared included LEED for homes, Green Globes, and the NAHB Green Home Building Guidelines-Three of North America's widely used Green Building regulatory Standards. This thesis included four objectives. Objective 1 was to determine which regulatory standards give the most value three sections: indoor water use, outdoor water, and water reuse. This objective was achieved by creating a table that lists the points available in the three different sections that are present in all three green building certification types. Objective 2 was to find which of all the green building standards place the highest emphasis in water efficient green

building design. This objective was achieved by creating a table describing the number of points available in the different sections. Objective 3 was to compare the information included in each of the green building standards. This would be achieved by composing tables that categorize each section into further subcategories based on the information given in the regulatory standards. Objective 4 was to derive general guidelines for anyone who is interested in green building design. This type of information was composed from information contained in all three regulatory standards. Based on work presented here, it was determined that the green building standards give the easiest guide by offering a checklist on building a water efficient house. However, if a homebuilder were to pick a standard that would give the most points for building a water efficient house, then LEED would be the best guide. In addition, the guidelines created can be utilized by anyone interested in building a water efficient house. A unique cost reference, updated and expanded, for architects, engineers, contractors, building owners, and managers Green building is no longer a trend. Since the publication of the widely read first edition of this book, green building has become a major advancement in design and construction. Building codes and standards have adopted much stricter energy efficiencies. Businesses, institutions, and communities have discovered huge savings, along with health and marketing advantages, in sustainable building. Private facilities, as well as public buildings for Federal, state, and local governments are increasingly required to design and build sustainably in both new construction and renovation. This Third

Edition has been updated with the latest in green building technologies, design concepts, standards, and costs. The chapters, case studies, and resources give you practical guidance on green building, including the latest on: Green building approaches, materials, rating systems, standards, and guidelines Energy efficiencies, implementing energy modeling tools Designing and specifying, as well as commissioning, green building projects Often-specified products and materials, as well as a sample spec Goals and techniques for health, comfort, and productivity Evaluating the cost versus value of green products over their life cycle Low-cost green strategies, and special economic incentives and funding Building deconstruction and cost considerations With a new chapter on greening of commercial real estate, this reference is a one-stop resource for the latest in green building approaches and implementation. The contributors, all prominent leaders in green building, include: Mark Kalin, FAIA, FCSI, author of the original GreenSpec Andy Walker, Ph.D., PE, senior engineer with NREL Joseph Macaluso, AACE, certified cost consultant A Professional's Guide to Concepts, Codes and Innovation : Includes IgCC Provisions California Code of Regulations, Title 24, Part 11 Sustainable Design and Construction, Second Edition The Social Structures of Sustainability Icc/Ashrae 700-2015 National Green Building Standard LEED Reference Guide for Building Design and Construction Packed with conceptual sketches and photos, real

world case studies and green construction details, Handbook of Green Building Design and Construction provides a wealth of practical guidelines and essential insights that will facilitate the design of green buildings. Written in an easy to understand style, the Handbook draws on over 35 years of personal experience across the world, offering vital information and penetrating insights into two major building rating systems such as LEED and BREEAM both used extensively in the United States, Europe, Asia and the Middle East. Develop a project schedule that allows for systems testing and commissioning Create contract plans and specifications to ensure building performance A step-by-step approach for integrating technologies into the different stages of design and execution

In 2000, Seattle, Washington, became the first U.S. city to officially adopt the U.S. Green Building Council's LEED (Leadership in Energy and Environmental Design) "Silver" standards for its own major construction projects. In the midst of a municipal building boom, it set new targets for building and remodeling to LEED guidelines. Its first LEED certified project, the Seattle Justice Center, was completed in 2002. The city is now home to one of the highest concentrations of LEED buildings in the world. Building an Emerald City is the story of how Seattle transformed itself into a leader in sustainable "green" building, written by one of the principal figures in that transformation. It is both a personal account—filled with the experiences and insights of an insider—and a guide for anyone who

wants to bring about similar changes in any city. It includes “best practice” models from municipalities across the nation, supplemented by the contributions of “guest authors” who offer stories and tips from their own experiences in other cities. Intended as a “roadmap” for policy makers, public officials and representatives, large-scale builders and land developers, and green advocates of every stripe, *Building an Emerald City* is that rare book—one that is both inspirational and practical.

A companion to *Understanding Green Building Guidelines*, this primer explains green building products—what they are and how to choose them. From eco-friendly sheetrock to sustainable paint finishes, the green building movement is gaining momentum. But with new products, manufacturers, and standards being introduced routinely, how are architects or designers to know what's best for their projects? This book summarizes what is available and the considerations for selecting sustainable materials.

Green Building Handbook: Volume 1

Understanding Green Building Materials

Development of New, Tailored, Water Efficient Home Guidelines Based on Comparison of Three Green Building Regulatory Standards

Towards Guidelines on ASEAN Green Building Codes : Desk Research Report

Santa Barbara County Green Building Guidelines

Building an Emerald City

The nation's first mandatory green building code is here - stay ahead of the game by knowing it! The California

Green Building Standards Code (CGBSC), also referred to as CALGreen, contains regulations for energy efficiency, water efficiency and conservation, material conservation and resource efficiency, environmental quality, and more. It includes mandatory provisions for a variety of types of buildings, from commercial and low-rise residential to public schools. And the code's valuable appendices include voluntary provisions for all of these occupancies - and add hospitals. Logically organized with residential and non-residential provisions in separate chapters, the 2010 CA GREEN BUILDING STANDARDS CODE, TITLE 24 PART 11 is informative, thorough, and most of all, easy to use. Check out our app, DEWALT Mobile Pro(tm). This free app is a construction calculator with integrated reference materials and access to hundreds of additional calculations as add-ons. To learn more, visit dewalt.com/mobilepro.

Book features Forward, Contents, Builder's Matrix. The information in this book was developed primarily for home builders, but others will find it useful. The book is intended to be national in scope, so all of the construction information and examples are not relevant for all climates. At the end of each section, readers will find "Interactions," references to other sections of the book that describe design strategies, systems, components, or materials that interact in important ways with the topic of the chapter.

The cutting-edge green building projects of today are quickly becoming the standard practices of tomorrow. In

order for your students to keep up with this trend, they'll need to have a solid grasp on green building, and the technologies, market forces, and governmental policies that drive it. **GREEN BUILDING: A PROFESSIONAL'S GUIDE TO CONCEPTS, CODES AND INNOVATION** designed for students engaged in the design and building industry, instilling a basic understanding of our bioclimatic environment as it relates to these industries. The idea behind this innovative approach is that this knowledge is essential for environmentally appropriate and efficient building solutions. The end result is a powerful resource that is packed with valuable information about the current state of green construction, and where it is headed.

Cal Green: California Code of Regulations Title 24

Ask a Manager

Green Buildings Pay

A Guide to Creating Green Building Policies and Programs

Guidebook for Sustainable Architecture

How to Navigate Clueless Colleagues, Lunch-Stealing Bosses, and the Rest of Your Life at Work

Congress has an ongoing interest in ensuring that the 500,000 buildings and other structures owned and operated by the Department of Defense (DOD) are operated effectively in terms of cost and resource use. Section 2830 of the National Defense Authorization Act for fiscal year requires the Secretary of Defense to submit a report to the congressional defense

committees on the energy-efficiency and sustainability standards used by DOD for military construction and major renovations of buildings. DOD's report must include a cost-benefit analysis, return on investment, and long-term payback for the building standards and green building certification systems, including: (A) American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standard 189.1-2011 for the Design of High-Performance, Green Buildings Except Low-Rise Residential. (B) ASHRAE Energy Standard 90.1-2010 for Buildings Except Low-Rise Residential. (C) Leadership in Energy and Environmental Design (LEED) Silver, Gold, and Platinum certification for green buildings, as well as the LEED Volume certification. (D) Other American National Standards Institute (ANSI) accredited standards. DOD's report to the congressional defense committees must also include a copy of DOD policy prescribing a comprehensive strategy for the pursuit of design and building standards across the department that include specific energy-efficiency standards and sustainable design attributes for military construction based on the cost-benefit analysis, return on investment, and demonstrated payback required for the aforementioned building standards and green building certification systems. Energy-Efficiency Standards and Green Building Certification Systems Used by the Department of Defense for Military Construction and

Major Renovations summarizes the recommendations for energy efficiency.

Green Buildings Pay examines, through case studies of commercial and university buildings, how different approaches to green design can produce more sustainable patterns of development. The case studies are described by their designers and often also by the client, thereby ensuring that the buildings are seen in the context of market realities.

GREEN BUILDING: PRINCIPLES AND PRACTICES IN RESIDENTIAL CONSTRUCTION provides a current, comprehensive guide to this exciting, emerging field. From core concepts to innovative applications of cutting-edge technology and the latest industry trends, this text offers an in-depth introduction to the construction of green homes.

Unlike many texts that adopt a product-oriented approach, this book emphasizes the crucial planning, processes, and execution methods necessary for effective, environmentally sound construction. This text demonstrates that Earth-friendly products and energy-efficient materials take planning in order to make a building truly green. This visionary text helps students and professionals develop the knowledge and skills to think green from start to finish, empowering and inspiring them to build truly sustainable homes.

Important Notice: Media content referenced within the product description or the product text may not be available in the ebook version.

A Framework for the Development of Green Buildings and Sites

Multifamily Green Building Guidelines

2021 International Green Construction Code

Sustainable Building Standards and Guidelines for Mixed-Use Buildings

Green Building

Guide to Green Building Rating Systems

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

Environmentally responsible building involves resolving many conflicting issues and requirements. Each stage in the design process from the fundamental decisions about what, where and even whether to build has implications for the environment. Evolving out of the success of Green Building Digest, a publication described by Building Design as well-researched, authoritative and exhaustive, this practical new handbook considers the environmental issues which relate to the

production, use and disposal of key building products and materials. It is designed to help specifiers and purchasers gain awareness of the potential environmental impact of their decisions. Chapter by chapter Green Building Handbook looks at a different sector of the trade from flooring to roofing, comparing the environmental effects of commonly available products with less well known green alternatives. A Best Buy section then ranks these products from lowest to highest impact. The one-stop guide for choosing a green building rating system Today, sustainability is a growing concern for the architects, designers, builders, and owners of commercial and residential buildings. Meeting the requirements of a rating system provides a metric to evaluate and set priorities. But the variety and complexity of methods available to assess the eco-friendliness of a building can seem overwhelming. Guide to Green Building Rating Systems informs readers about the rating system selection process. Comparing essential issues such as cost, ease of use, and building performance, this book offers solid guidance that will help readers find the rating system that best fits their needs. This easy-to-follow reference includes: An overview of the major national rating systems, including LEED®, Green Globes®, the National Green Building Standard, and ENERGY STAR® An in-depth look at each rating system, including its evolution, objectives, point structure, levels of certification, benefits, and shortcomings How the ratings systems work for different types of buildings—commercial, multi-family residential, and single-family residential construction Illustrated case studies from different climate regions with project descriptions, cost data, and lessons learned by design teams, constructors, and owners An overview of local, regional, and international rating systems Guide to Green Building Rating Systems demystifies complex

material, making this book an essential reference for building professionals engaged in, or wishing to pursue, sustainable building practices.

New Home Construction

Guidelines for green building housekeeping and maintenance

Meeting the Demand for Low-energy, Resource-efficient Homes

Handbook of Green Building Design and Construction

Adoption of Green Building Guidelines in the Developing

Countries Based on U.S. & India Experiences

Built environment professionals considering whether to embark on the design and

construction or retrofit of a fully 'sustainable' or

'green' build need to know the financial

implications of their decisions. What are their

financial options? What are the risks? This book

offers practical guidance on how sustainable

building projects are financed, designed and

built. All too often sustainable building is

undertaken without proper consideration of the

true lifecycle cost, risk and financial impact. This

book will take the reader on a journey from

initial sustainable design through to final

completion highlighting the finance options

available to them. New Financial Strategies for

Sustainable Buildings provides key guidance to a

variety of professionals, including architects,

designers, contractors, construction managers,

investors and other interested parties, whilst

providing a useful reference to students on

architecture, construction management and real

estate/surveying courses who need to know

about finance, construction economics, and sustainable development projects.

With increasing numbers of consumers becoming more environmentally conscious in their purchasing behavior, environmental practices are a decisive factor in the real estate sector. Reconciling the seemingly opposing goals of improving the environment and providing the needed infrastructure to support economic growth is the origin of the sustainable green building concept. This concept is simply about being mindful of the potential impact that the design, construction, and operation of commercial buildings will have on the environment and devising innovative strategies to mitigate or eliminate these impacts. This means changing the traditional process of designing buildings and their construction and operation, as well as the integration of emerging trends in many technology fields into buildings. The Sustainability Building Standards and Guidelines contains information intended as minimum standards for designing, constructing, and equipping sustainable mixed-use buildings. Insofar as practical, these standards relate to desired performance or results or both. Sustainable green buildings are as much about construction as they are about design. The book includes a description of the special design features, construction processes, the systems of operation and maintenance, and the

interrelationships of these various functions. Increasingly, staying competitive means building owners / property developers, designers, manufacturers, and contractors are focused on achieving increasingly environmentally friendly and energy-efficient buildings with the ultimate goal of producing environmentally and energy-neutral buildings.