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NZ Building for Climate Change Programme Buildings Efficiency Guidance Climate Action The Buildings Efficiency Guidance provides guidance for assessing the greenhouse gas (GHG) impacts of buildings sector energy efficiency policies. The guidance provides a stepwise approach for estimating the effects of policy design characteristics and barriers associated with regulatory and financial support policies on GHG impacts. This guidance specifically covers regulatory and financial support policies that address both new building stock and existing building stock with retrofit.

Buildings Efficiency - Initiative for Climate Action ...

Building America's Best Practices guides and case studies demonstrate real-world solutions for

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improving the energy performance and quality of new and existing homes in five major climate regions. Find examples of proven high-performance home building and remodeling in your area by selecting a climate zone below.

Building America Climate-Specific Guidance | Department of ...

Improving the energy efficiency of buildings usually involves tightening the buildings through air sealing and other weatherization techniques to reduce the escape of air that we have just spent money to heat or cool. That's a very good thing.

Health, Energy Efficiency and Climate Change | Indoor Air ...

Even without a cooperative Congress, the new president can also take executive action to encourage higher fuel-efficiency standards, establish stronger energy-efficiency standards for buildings ...

A climate action plan for Maryland's legislature ...

To address these issues, UNEP launched the Sustainable Buildings and Climate Initiative (SBCI) in 2006. It promotes and supports sustainable building practices on a global scale with a focus on energy efficiency and GHG emission reduction.

Sustainable buildings | UNEP - UN Environment Programme

The New Efficiency: New York report recommends incentivizing building developers, commercial and institutional building owners, and residential households to pursue improvements that reduce energy consumption across the State. These efficiency improvements will reduce energy use by 185 trillion

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BTUs (British thermal units) below the 2025 energy-use forecast.

New Efficiency: New York - NYSERDA

Energy efficiency is a cornerstone of New York State's national leadership on clean energy and climate . This white paper establishes an ambitious 2025 energy efficiency target for New York State and proposes a comprehensive energy efficiency initiative to meet that target . 2025 Energy Efficiency Target

New Efficiency: New York - NYSERDA

The EU Directive on the energy performance of buildings (the Directive) came into effect progressively from 2007 and was transposed into UK regulations as an important part of the government's...

Improving the energy efficiency of our buildings

On July 18, 2019, Governor Andrew M. Cuomo signed into law the Climate Leadership and Community Protection Act (Climate Act). New York State's Climate Act is the among the most ambitious climate laws in the world and requires New York to reduce economy-wide greenhouse gas emissions 40 percent by 2030 and no less than 85 percent by 2050 from 1990 levels.

New York's Climate Leadership and Community Protection Act ...

The Pan-Canadian Framework on Clean Growth and Climate Change will reduce emissions and drive innovation by providing the tools to make new buildings more energy efficient; developing a retrofit code for existing buildings; ensuring that furnaces and other appliances meet new efficiency standards,

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and supporting building codes and energy efficiency housing in Indigenous communities.

Sustainable and efficient homes and buildings - Canada.ca

Existing buildings – Buildings often last for as many as 50 years. Most of the new buildings constructed today will remain standing in 2050. – House Climate Action Plan. LOLLLLLL. I'm sorry ...

What do the new Climate Action Plans say about buildings ...

With the creation of the City's new Office of Climate Action, Sustainability and Resiliency (CASR) the implementation of the Green Buildings Ordinance and the Energy Efficiency Program (Benchmarking) moved from the Department of Public Health and Environment (DDPHE) to CASR.

High Performance Buildings and Homes - City and County of ...

Forum Overview. ACEEE research has found that energy efficiency can halve U.S. energy use and greenhouse gas emissions by 2050. With growing interest in policies to address global climate change, as well as a new Congress and a new presidential term to begin in January 2021, ACEEE hosted the Energy Efficiency and Climate Policy Forum to discuss key steps and policies that will help the United ...

Energy Efficiency and Climate Policy Forum VIRTUAL | ACEEE

Reduce carbon emissions and fuel bills, Improve comfort levels. Comply with statutory requirements such as Part L of the Building Regulations or the Private Rented Sector Regulations. This suite of guidance includes: Our whole house approach to improving energy efficiency. Advice on statutory

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requirements.

Energy Efficiency and Historic Buildings | Historic England

Climate change is primarily driven by greenhouse gas (GHG) emissions. Reducing emissions from our buildings is the most significant action the city can take to reduce greenhouse gas emissions in NYC, as buildings contribute nearly three-quarters of all citywide emissions.

Climate Mobilization Act - Data Team

To fight climate change, the city is forcing the buildings, like the Empire State Building and Trump Tower, to reduce greenhouse gas emissions. Buildings like the Freedom Tower and the Empire State...

Big Buildings Hurt the Climate. New York City Hopes to ...

Energy efficient buildings Making buildings more energy efficient will contribute significantly to the EU achieving its energy and climate goals. Cogeneration of heat and power The EU promotes cogeneration in order to improve energy efficiency in Europe.

Energy efficiency | Energy

He joined its predecessor entities in 1989. Mr. Malkin has been a leader in existing building energy efficiency retrofits through coordinating the team of Clinton Climate Initiative, Johnson Controls, JLL, and Rocky Mountain Institute in a groundbreaking project at the Empire State Building. Mr.

Mayor de Blasio Announces Appointees to Climate Advisory ...

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Buildings and Energy Efficiency. Reduce Energy Use in Existing Public, Residential & Commercial Buildings. Retrofits. Conduct high-quality, deep energy efficiency retrofits of 75% of all existing public and private buildings by 2040 and 100% by 2050 while meeting applicable building safety standards. ... The U.S. Climate Action Network is a ...

The building sector contributes up to 40 per cent of greenhouse gas emissions, mostly from energy use during the life time of buildings. Identifying opportunities to reduce these emissions has become a priority in the global effort to reduce climate change. This publication provides an overview of current knowledge about greenhouse gas emissions from buildings, and presents opportunities for their minimisation.

Climate change continues to impact our health and safety, the economy, and natural systems. With climate-related protections and programs under attack at the federal level, it is critical for cities to address climate impacts locally. Every day there are new examples of cities approaching the challenge of climate change in creative and innovative ways—from rethinking transportation, to greening city buildings, to protecting against sea-level rise. Climate Action Planning is designed to help planners, municipal staff and officials, citizens and others working at local levels to develop and implement plans to mitigate a community's greenhouse gas emissions and increase the resilience of communities against climate change impacts. This fully revised and expanded edition goes well beyond climate action plans to examine the mix of policy and planning instruments available to every community. Boswell, Greve,

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and Seale also look at process and communication: How does a community bring diverse voices to the table? What do recent examples and research tell us about successful communication strategies? Climate Action Planning brings in new examples of implemented projects to highlight what has worked and the challenges that remain. A completely new chapter on vulnerability assessment will help each community to identify their greatest risks and opportunities. Sections on land use and transportation have been expanded to reflect their growing contribution to greenhouse gas emissions. The guidance in the book is put in context of international, national, and state mandates and goals. Climate Action Planning is the most comprehensive book on the state of the art, science, and practice of local climate action planning. It should be a first stop for any local government interested in addressing climate change.

The indoor environment affects occupants' health and comfort. Poor environmental conditions and indoor contaminants are estimated to cost the U.S. economy tens of billions of dollars a year in exacerbation of illnesses like asthma, allergic symptoms, and subsequent lost productivity. Climate change has the potential to affect the indoor environment because conditions inside buildings are influenced by conditions outside them. Climate Change, the Indoor Environment, and Health addresses the impacts that climate change may have on the indoor environment and the resulting health effects. It finds that steps taken to mitigate climate change may cause or exacerbate harmful indoor environmental conditions. The book discusses the role the Environmental Protection Agency (EPA) should take in informing the public, health professionals, and those in the building industry about potential risks and what can be done to address them. The study also recommends that building codes account for climate change projections; that federal agencies join to develop or refine protocols and testing standards for evaluating emissions from materials, furnishings, and appliances used in buildings; and that building

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weatherization efforts include consideration of health effects. Climate Change, the Indoor Environment, and Health is written primarily for the EPA and other federal agencies, organizations, and researchers with interests in public health; the environment; building design, construction, and operation; and climate issues.

□ New York Times bestseller □ The 100 most substantive solutions to reverse global warming, based on meticulous research by leading scientists and policymakers around the world □At this point in time, the Drawdown book is exactly what is needed; a credible, conservative solution-by-solution narrative that we can do it. Reading it is an effective inoculation against the widespread perception of doom that humanity cannot and will not solve the climate crisis. Reported by-effects include increased determination and a sense of grounded hope. □Per Espen Stoknes, Author, What We Think About When We Try Not To Think About Global Warming □There's been no real way for ordinary people to get an understanding of what they can do and what impact it can have. There remains no single, comprehensive, reliable compendium of carbon-reduction solutions across sectors. At least until now. . . . The public is hungry for this kind of practical wisdom. □David Roberts, Vox □This is the ideal environmental sciences textbook□only it is too interesting and inspiring to be called a textbook. □Peter Kareiva, Director of the Institute of the Environment and Sustainability, UCLA In the face of widespread fear and apathy, an international coalition of researchers, professionals, and scientists have come together to offer a set of realistic and bold solutions to climate change. One hundred techniques and practices are described here□some are well known; some you may have never heard of. They range from clean energy to educating girls in lower-income countries to land use practices that pull carbon out of the air. The solutions exist, are economically viable, and communities throughout the world are

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currently enacting them with skill and determination. If deployed collectively on a global scale over the next thirty years, they represent a credible path forward, not just to slow the earth's warming but to reach drawdown, that point in time when greenhouse gases in the atmosphere peak and begin to decline. These measures promise cascading benefits to human health, security, prosperity, and well-being—giving us every reason to see this planetary crisis as an opportunity to create a just and livable world.

Buildings are the largest energy consuming sector in the world, and account for over one-third of total final energy consumption and an equally important source of carbon dioxide (CO₂) emissions. Achieving significant energy and emissions reduction in the buildings sector is a challenging but achievable policy goal. Transition to Sustainable Buildings presents detailed scenarios and strategies to 2050, and demonstrates how to reach deep energy and emissions reduction through a combination of best available technologies and intelligent public policy. This IEA study is an indispensable guide for decision makers, providing informative insights on: cost-effective options, key technologies and opportunities in the buildings sector; solutions for reducing electricity demand growth and flattening peak demand; effective energy efficiency policies and lessons learned from different countries; future trends and priorities for ASEAN, Brazil, China, the European Union, India, Mexico, Russia, South Africa and the United States; implementing a systems approach using innovative products in a cost effective manner; and pursuing whole-building (e.g. zero energy buildings) and advanced-component policies to initiate a fundamental shift in the way energy is consumed.

Global climate change is one of America's most significant long-term policy challenges. Human activity—especially the use of fossil fuels, industrial processes, livestock production, waste disposal, and

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land use change--is affecting global average temperatures, snow and ice cover, sea-level, ocean acidity, growing seasons and precipitation patterns, ecosystems, and human health. Climate-related decisions are being carried out by almost every agency of the federal government, as well as many state and local government leaders and agencies, businesses and individual citizens. Decision makers must contend with the availability and quality of information, the efficacy of proposed solutions, the unanticipated consequences resulting from decisions, the challenge of implementing chosen actions, and must consider how to sustain the action over time and respond to new information. Informing an Effective Response to Climate Change, a volume in the America's Climate Choices series, describes and assesses different activities, products, strategies, and tools for informing decision makers about climate change and helping them plan and execute effective, integrated responses. It discusses who is making decisions (on the local, state, and national levels), who should be providing information to make decisions, and how that information should be provided. It covers all levels of decision making, including international, state, and individual decision making. While most existing research has focused on the physical aspect of climate change, Informing an Effective Response to Climate Change employs theory and case study to describe the efforts undertaken so far, and to guide the development of future decision-making resources. Informing an Effective Response to Climate Change offers much-needed guidance to those creating public policy and assists in implementing that policy. The information presented in this book will be invaluable to the research community, especially social scientists studying climate change; practitioners of decision-making assistance, including advocacy organizations, non-profits, and government agencies; and college-level teachers and students.

This guidance is aimed at homeowners and those managing or renting historic or older domestic

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buildings who may need to commission an Energy Performance Certificate (EPC) or who have received one for an older property that has been purchased or rented. Details are provided on the type of information included in an EPC, how it is calculated, and its limitations as an assessment method when applied to older buildings. The guidance also covers the issues to be taken into account when commissioning an EPC and considering its recommendations. Almost every older building can accommodate some energy improvements without harming either its special interest or environmental performance. However, an appropriate balance needs to be achieved between building conservation and measures to improve energy efficiency if lasting damage is to be avoided both to a building's character and significance and its fabric.

Procedures for Commercial Building Energy Audits provides purchasers and providers of energy audit services with a complete definition of good procedures for an energy survey and analysis. It also provides a format for defining buildings and their energy use that will allow data to be shared in meaningful ways. This publication specifically avoids a "cookbook" approach, recognizing that all buildings are different and each analyst needs to exercise a substantial amount of judgment. Instead, Procedures sets out generalized procedures to guide the analyst and the building owner, and provides a uniform method of reporting basic information. Different levels of analysis are organized into the following categories: Preliminary Energy Use Analysis Level I Analysis "Walk-Through Analysis Level II Analysis" Energy Survey and Analysis Level III Analysis "Detailed Analysis of Capital-Intensive Modifications" The book comes with a CD that provides more than 25 guideline forms, with explanatory material, to illustrate the content and arrangement of a complete, effective energy analysis report. The CD provides these forms in both PDF and Word format, enabling you to customize and print each form.

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For the downloadable version, the PDF of the book and the guideline forms are included in a single .zip file. You will need WinZip or an equivalent program to open the file. ASHRAE Research Project 669 and ASHRAE Special Project 56.

NOTE: NO FURTHER DISCOUNT FOR THIS PRINT PRODUCT -- OVERSTOCK SALE --
Significantly reduced list price Helps property owners, preservation professionals, and stewards of historic buildings make informed decisions when considering energy efficiency improvements to historic buildings. This brief targets primarily small-to medium-size historic buildings, both residential and commercial. However, the general decision-making principles outlined here apply to buildings of any size and complexity. This guidance is provided in accordance with the Secretary of the Interior's Standards for Rehabilitation to ensure that the architectural integrity of the historic property is preserved. Other related products: A Do-It-Yourself Guide to Sealing and Insulating With Energy Star: Sealing Air Leaks and Adding Attic Insulation is available here: <https://bookstore.gpo.gov/products/sku/055-000-00684-9> Preservation Briefs: 15-23 (2007) is available here: <https://bookstore.gpo.gov/products/sku/024-005-01256-7> The Seismic Rehabilitation of Historic Buildings is available here: <https://bookstore.gpo.gov/products/sku/024-005-01322-9> Renovation & Historic Preservation resources collection can be found here: <https://bookstore.gpo.gov/catalog/science-technology/construction-archit...>"

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