

US EPA ARCHIVE DOCUMENT

EPA **GREEN BUILDING** Publications



BUILDINGS AND DEVELOPMENT ARE RESPONSIBLE for a broad range of impacts on human health and the environment. EPA has developed numerous programs over the years to address these impacts. A variety of building-related publications from these programs are highlighted below.

These publications can be downloaded from the links provided, and many of them can be ordered in hard copy through EPA's publication center. You can order hard copies at www.epa.gov/nscep or by calling (800) 490-9198. You will need the 9-digit EPA number provided for each item, if available.

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Green Building—General



EPA Green Building Strategy (November 2008)

Defines green building and explains EPA's strategic role in facilitating the mainstream adoption of effective green building practices.

Available at: www.epa.gov/greenbuilding/pubs/greenbuilding_strategy_nov08.pdf

EPA-100-F-08-073

Brownfields



Design Principles for Stormwater Management on Compacted, Contaminated Soils in Dense Urban Areas (April 2008)

Provides background on the use of green infrastructure at brownfields sites. Topics of discussion include how green infrastructure can be utilized, design considerations, and additional resources for information.

Available at: www.epa.gov/brownfields/publications/swdp0408.pdf

EPA-560-F-07-231

EPA-100-K-009-013
August 2009

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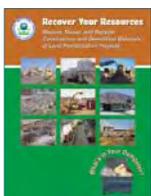


EPA's Brownfields and Land Revitalization Programs: Changing American Lands and Lives (April 2008)

Provides an overview of the mission of land revitalization programs and the goals of the brownfields program, as well as highlights of successful land revitalization projects across the country.

Available at: www.epa.gov/brownfields/pubs/08brochure.pdf

EPA-560-F-08-241



Recover Your Resources: Reduce, Reuse, and Recycle Construction and Demolition Materials at Land Revitalization Projects (April 2008)

Discusses sustainable reuse of brownfield properties, including efforts to reduce environmental impact by reusing and recycling materials generated during building construction, demolition, or renovation.

Available at: www.epa.gov/epawaste/conserve/rrr/imr/cdm/pubs/brochure.pdf

EPA-560-F-08-242



Revitalizing Mothballed Properties (October 2008)

Showcases several examples of projects in which stakeholders are establishing effective partnerships to bring sites that were previously mothballed back into productive use.

Available at: www.epa.gov/brownfields/publications/mothball.pdf

EPA-560-R-08-003

Brownfields Case Studies



Case Studies for Stormwater Management on Compacted, Contaminated Soils in Dense Urban Areas (April 2008)

Focuses on the use of green infrastructure to manage stormwater during the development of brownfields sites and highlights several projects around the United States.

Available at: www.epa.gov/brownfields/publications/swcs0408.pdf

EPA-560-F-07-232



Detroit, MI: Recycling at Automotive Site Spurs Revitalization (January 2008)

Highlights a construction and demolition waste reduction success story in Detroit, Michigan, with an emphasis on reducing the environmental impact of building renovation.

Available at: www.epa.gov/brownfields/success/Detroit_MI_Success_012808.pdf

EPA-560-F-08-001



Emeryville, CA: A Former California Brownfield Recycled (August 2007)

Highlights a construction and demolition waste reduction success story in Emeryville, California, with an emphasis on reducing the environmental impact of building renovation.

Available at: www.epa.gov/brownfields/success/emeryvilleca_cd_ss_final.pdf

EPA-560-F-07-228

EPA GREEN BUILDING Publications



Promoting Responsible Redevelopment at the Empire Canyon Daly West Mine Site (October 2006)
Highlights one company's efforts to participate in EPA's initiative to encourage environmentally responsible redevelopment and reuse of contaminated properties.

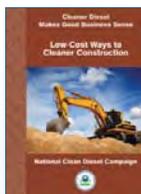
Available at: www.epa.gov/oecaerth/resources/publications/cleanup/er3/empire-08-fs.pdf
EPA-330-F-06-002



Worcester, MA: Expanding Markets and Revitalizing Communities (April 2008)
Highlights a construction and demolition material reduction success story in Worcester, Massachusetts, with an emphasis on reducing the environmental impact of building renovation.

Available at: www.epa.gov/brownfields/success/worcester050108.pdf
EPA-560-F-08-247

Clean Diesel Construction



Low-Cost Ways to Cleaner Construction (February 2008)
Highlights low cost ways for construction companies to efficiently utilize diesel engines while also improving the air quality around work sites.

Available at: www.epa.gov/otaq/diesel/documents/420f08008.pdf
EPA-420-F-08-008



National Clean Diesel Program (2009)
Highlights funding opportunities in the National Clean Diesel Program for fiscal year 2009.

Available at: www.northeastdiesel.org/pdf/CleanDieselGeneralInfoSheetFY09.pdf

Energy Efficiency



Building ENERGY STAR Qualified Homes
Outlines aspects of the ENERGY STAR qualified homes program, including building guidelines and requirements and benefits to builders, homeowners, and the environment.

Available at: www.energystar.gov/ia/partners/downloads/builder_brochure.pdf
EPA-430-F-07-011



ENERGY STAR Action Guide
Provides five steps anyone can take to increase energy efficiency at home and reduce air pollution.

Available at: www.energystar.gov/ia/news/estar_action_guide_4-8-04.pdf

EPA **GREEN BUILDING** Publications



ENERGY STAR New Homes Brochure (March 2009)

Explains the benefits to homeowners of purchasing an ENERGY STAR qualified new home, including lower ownership cost, better performance, and environmental protection.

Available at: www.energystar.gov/ia/partners/downloads/consumer_brochure.pdf

EPA-430-F-03-023



Home Performance with ENERGY STAR (January 2006)

Explains how Home Performance with ENERGY STAR uses a whole house approach to improving energy efficiency and comfort at home, while helping to protect the environment and fight global warming.

Available at: www.energystar.gov/ia/partners/ reps/pt_reps_home_performance/HPwESSampleBrochure.pdf

EPA-430-F-06-002



Quick List of ENERGY STAR Resources for Buildings (August 2007)

Provides a list of ENERGY STAR resources available to building owners and developers, along with details on how each resource can help improve energy efficiency.

Available at: www.energystar.gov/ia/business/challenge/get_started/QuickListBusiness.pdf

EPA-430-F-07-021



Quick List of ENERGY STAR Resources for Homes (August 2007)

Provides a list of ENERGY STAR resources available to homeowners, along with details on how each resource can help improve energy efficiency.

Available at: www.energystar.gov/ia/business/challenge/get_started/QuickListHomes.pdf

EPA-430-F-07-022



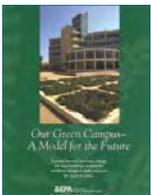
The ENERGY STAR Challenge (August 2007)

Provides information on participating in the ENERGY STAR Challenge to improve the energy efficiency of America's commercial and industrial buildings by 10 percent or more.

Available at: www.energystar.gov/ia/business/challenge/get_started/brochure_2pagelayout.pdf

EPA-430-F-07-016

EPA's Own Green Buildings



Our Green Campus—A Model for the Future (August 2008)

Provides information and lessons learned from the development of EPA's green campus in Research Triangle Park, North Carolina. Topics include building and site design, construction features, and operations.

Available at: www.epa.gov/rtp/campus/environmental/our_green_campus.pdf

EPA-220-F-02-001

EPA **GREEN BUILDING** Publications



Setting a Standard for Sustainable Design

Highlights the green aspects of the regional EPA office in Denver, Colorado, and its work towards achieving LEED Gold status.

Available at: www.epa.gov/oaintrnt/documents/denver_epabroch_508.pdf



The Greening Curve—Lessons Learned in the Design of the New EPA Campus in North Carolina (November 2001)

Outlines the planning, design, and construction involved in building the new EPA campus in North Carolina to meet high efficiency and sustainability standards.

Available at: www.epa.gov/rtp/campus/environmental/thegreeningcurve-new.pdf

Greenhouse Gas Emissions Reductions



Office Carbon Footprint Tool

Created for office-based organizations located in the United States to assist offices in making decisions to reduce the greenhouse gas emissions associated with their activities.

Available at: www.epa.gov/solidwaste/partnerships/wastewise/carboncalc.htm



Safe Disposal Procedures for Household Appliances that Use Refrigerants (July 2006)

Describes the federal safe disposal requirements a facility must follow when it accepts an appliance that might contain refrigerants for disposal.

Available at: www.epa.gov/ozone/snap/emissions/downloads/SafeDisposalBrochure.pdf

EPA-530-F-06-020

Indoor Environmental Quality



New Homes with the ENERGY STAR Indoor Air Package (October 2005)

Explains why indoor air quality should matter to homeowners and how the ENERGY STAR Indoor Air Package can help consumers identify homes with improved indoor air quality.

Available at: www.energystar.gov/ia/partners/bldrs_lenders_raters/downloads/IAPConsm508.pdf

EPA-430-E-05-002



Building a New Home- Have you Considered Radon? (September 1998)

Provides information about radon, including its hazards, how to test for its presence, and how to build a radon-resistant home.

Available at: www.epa.gov/radon/pubs/builder.html

EPA-402-F-98-001

EPA GREEN BUILDING Publications



Care for Your Air: A Guide to Indoor Air Quality (September 2008)

Provides information on common indoor air pollutants and steps to mitigate them to create healthier indoor spaces.

Available at: www.epa.gov/iaq/pdfs/careforyourair.pdf

EPA-402-F-08-008

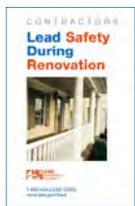


Clear Your Home of Asthma Triggers (July 1999)

Lists common asthma triggers found in the home and provides steps to remove them.

Available at: www.epa.gov/asthma/pdfs/asthma_eng.trifold.pdf

EPA-402-F-99-005



Contractors—Lead Safety During Renovation (March 2008)

Describes how contractors play an important role in protecting public health by reducing exposure to lead dust during construction. Topics include tips for what to do inside and outside a home and federal regulations for minimizing public exposure to lead.

Available at: www.epa.gov/lead/pubs/contractor_brochure.pdf

EPA-740-F-08-001



Give Your Child the Chance of a Lifetime: Keep Your Child Lead-Safe (February 2004)

Provides information on ways to keep children safe from lead exposure and possible lead poisoning, including sources of lead and what to do when a child becomes ill.

Available at: www.epa.gov/lead/pubs/chance.pdf

EPA-747-F-04-002



Protect your family from lead in your home (June 2003)

Outlines many sources of lead people can encounter, the hazardous effects it can have on human health, and ways to check a home for lead to prevent exposure.

Available at: www.epa.gov/lead/pubs/leadpdf.pdf

EPA-747-K-99-001



Renovate Right: Important Lead Hazard Information for Families, Child Care Providers, and Schools (March 2008)

Provides basic facts about lead and information about lead safety when work is being done a home, building, childcare facility, or school.

Available at: www.epa.gov/lead/pubs/renovaterightbrochure.pdf

EPA-740-F-08-002

EPA **GREEN BUILDING** Publications



Step up to the ENERGY STAR Indoor Air Package

Explains how the ENERGY STAR Indoor Air Package can help builders meet the growing consumer preference for homes with improved indoor air quality and energy efficiency.

Available at: www.energystar.gov/ia/partners/bldrs_lenders_raters/downloads/IAPBuild508.pdf

EPA-430-E-05-003



Sure, your home is clean...but is it safe for your family? (October 2008)

Provides information on the proper use, storage, and disposal of household products that may contain ingredients harmful to human health, including cleaning, painting, carpentry, and gardening products.

Available at: www.epa.gov/osw/conserves/materials/pubs/hhw-safe.pdf

EPA-530-F-06-013

Materials Recycling/Reuse



EPA's Resource Conservation Challenge (RCC)

The RCC is a national effort to conserve natural resources and energy by managing materials more efficiently.

Available at: www.epa.gov/rcc

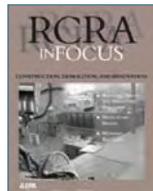


General Information on Construction and Demolition Materials

Provides a wealth of information on C&D recycling, including case studies, tools, and links to additional resources.

Available at: www.epa.gov/cdmaterials

General Information on Using Recycled Materials in Construction



RCRA in Focus: Construction, Demolition, and Renovation (September 2004)

Explores the role of the Resource Conservation and Recovery Act in managing and minimizing construction and demolition materials and preventing pollution.

Available at: www.epa.gov/epawaste/inforesources/pubs/infocus/rif-c&d.pdf



The Federal Green Construction Guide for Specifiers

Provides guidance on procuring green building products and construction/renovation services within the federal government. The specifications in this guide also may be useful to the private sector.

Available at: www.wbdg.org/design/greenspec.php

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Using Recycled Industrial Materials in Buildings (October 2008)

Discusses the use of recycled industrial materials in buildings as an alternative to using virgin materials and building products, including an outline of the environmental, economic, and performance benefits of using industrial materials.

Available at: www.epa.gov/waste/conserve/rrr/imr/pdfs/recy-bldg.pdf

EPA-530-F-08-022



Industrial Materials Recycling (January 2007)

Provides information on the types of industrial materials that can be recycled and the benefits of recycling these materials.

Available at: www.epa.gov/osw/rcc/resources/ind-mat.pdf

EPA-530-F-07-008



Building for the Future (September 2007)

Provides examples for putting industrial byproducts into productive use to save resources and contribute to a sustainable future.

Available at: www.epa.gov/osw/conserve/rrr/imr/pdfs/banner-fs.pdf

EPA-530-F-07-020a



The Construction Initiative (June 2008)

Explains EPA's Construction Initiative, a public-private sector effort to increase the recycling and reuse of industrial materials in building and transportation construction projects across the nation.

Available at: www.epa.gov/waste/conserve/rrr/imr/pdfs/ci-fs.pdf

EPA-530-F-08-013



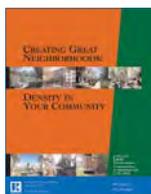
WasteWise Program Fact Sheet (May 2006)

Describes EPA's WasteWise program, through which organizations reduce municipal solid waste and select industrial wastes. Topics include the importance of minimizing waste and the details of partnering with WasteWise.

Available at: www.epa.gov/epawaste/partnerships/wastewise/pubs/fact-sheet.pdf

EPA-530-F-06-009

Smart Growth



Creating Great Neighborhoods: Density in Your Community (September 2003)

Demonstrates the benefits of designing dense communities and provides case studies of and lessons learned from well-designed communities across the country.

Available at: www.epa.gov/dced/pdf/density.pdf

EPA GREEN BUILDING Publications

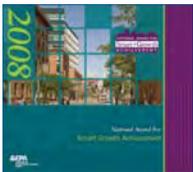


Free Smart Growth Publications and Smart Growth Network Partners (November 2007)

Lists free publications related to EPA's Smart Growth Network, along with information on how to access them.

Available at: www.epa.gov/dced/pdf/brochure_0906.pdf

EPA-231-F-06-008

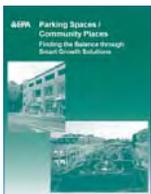


National Award for Smart Growth Achievement (November 2008)

Recognizes the 2008 recipients of EPA's National Award for Smart Growth Achievement and their outstanding approaches to development that benefit the community, public health, and the environment.

Available at: www.epa.gov/dced/pdf/sg_awards_2008.pdf

EPA-231-K-08-001

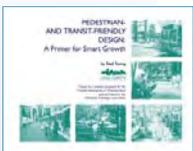


Parking Spaces/Community Places (January 2006)

Describes policies that can help communities explore new, flexible parking policies that can encourage growth and balance their parking needs with other goals.

Available at: www.epa.gov/dced/pdf/EPAParkingSpaces06.pdf

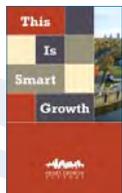
EPA-231-K-06-001



Pedestrian and Transit-Friendly Design: A Primer for Smart Growth

Focuses on pedestrian- and transit-friendly design features that can be incorporated into a well-designed, healthy community.

Available at: www.epa.gov/piedpage/pdf/ptfd_primer.pdf



This is Smart Growth

Explains the term "smart growth" and provides in-depth information on how people can create new neighborhoods and maintain existing ones that are attractive, convenient, safe, and healthy.

Available at: www.smartgrowthonlineaudio.org/pdf/TISG_2006_8-5x11.pdf



Using Smart Growth Techniques as Stormwater Best Management Practices (December 2005)

Helps communities that have adopted smart growth policies recognize the water benefits of those smart growth techniques and suggests ways to integrate those policies into stormwater planning and compliance.

Available at: www.epa.gov/dced/pdf/sg_stormwater_BMP.pdf

EPA-231-B-05-002

EPA GREEN BUILDING Publications



Water Efficiency



Flush Fact vs. Flush Fiction (December 2007)

Dispels common myths about the performance of high-efficiency toilets, showing that today's high-efficiency toilets use less than 1.3 gallons per flush and perform as well as—or better than—conventional, less efficient models.

Available at: www.epa.gov/watersense/docs/ws_flushfact_vs_fiction508.pdf

EPA-832-F-07-012



Simple Steps to Save Water (September 2007)

Provides steps individuals can take inside and outside the home to reduce water use and water waste.

Available at: www.epa.gov/watersense/docs/ws_simplesteps508.pdf

EPA-832-F-07-011



Water Supply and Use in the United States (July 2007)

Provides a brief overview of the various sources of water in the United States and the industries and activities that consume the majority of that water.

Available at: www.epa.gov/watersense/docs/ws_supply508.pdf

EPA-832-F-06-006



Indoor Water Use in the United States (July 2007)

Breaks down water use in the home between the fixtures and appliances that consume the majority of that water.

Available at: www.epa.gov/watersense/docs/ws_indoor508.pdf

EPA-832-F-06-004



Outdoor Water Use in the United States (July 2007)

Outlines areas of outdoor water use where significant amounts of water are lost and ways to increase efficiency when using water outdoors.

Available at: www.epa.gov/watersense/docs/ws_outdoor508.pdf

EPA-832-F-06-005

EPA GREEN BUILDING Publications



Water Quality



Green Scaping—The Easier Way to a Greener, Healthier Yard (June 2006)

Outlines how to save time and money when landscaping while also helping protect the environment by landscaping with plants that require less care and eliminating unnecessary water and chemical use.

Available at: www.epa.gov/oppead1/Publications/catalog/greenscaping.pdf

EPA-530-K-06-002



GreenScapes—Environmentally Beneficial Landscaping (May 2005)

Provides details about EPA's GreenScapes program, which provides cost-efficient and environmentally friendly solutions for large-scale landscaping.

Available at: www.epa.gov/waste/consERVE/rrr/greenscapes/pubs/brochure.pdf

EPA-530-K-05-003

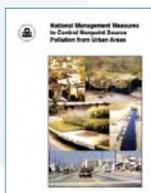


GreenScapes Seasonal Planner

Presents a table of information on the most appropriate and beneficial months for different landscaping and gardening activities.

Available at: www.epa.gov/wastes/consERVE/rrr/greenscapes/pubs/calendar.pdf

EPA-530-F-07-045



National Management Measures to Control Nonpoint Source Pollution from Urban Areas (November 2005)

Provides guidance to states, territories, authorized tribes, and the public regarding management measures that may be used to reduce nonpoint source pollution from urban areas.

Available at: www.epa.gov/nps/urbanmm/pdf/urban_guidance.pdf

EPA-841-B-05-004



New EPA Educational Stormwater Video- Reduce Runoff: Slow it Down, Spread it Out, Soak it in (January 2009)

Provides a synopsis of the new 9-minute video, "Reduce Runoff: Slow It Down, Spread It Out, Soak It In," which highlights green techniques such as rain gardens, green roofs, and rain barrels that help manage stormwater runoff in a more sustainable manner.

Available at: www.epa.gov/nps/lid/videofactsheet.pdf



Protecting Water Quality from Urban Runoff (February 2003)

Outlines ways to protect surface water quality and groundwater resources through development that is designed and built to minimize increases in runoff.

Available at: www.epa.gov/npdes/pubs/nps_urban-facts_final.pdf

EPA-841-F-03-003

EPA **GREEN BUILDING** Publications



Reducing Stormwater Costs through Low Impact Development (LID) Strategies and Practices (December 2007)

Summarizes 17 case studies of developments that include low impact development (LID) practices and shows that applying LID techniques can reduce project costs and improve environmental performance.

Available at: www.epa.gov/owow/nps/lid/costs07/documents/reducingstormwatercosts.pdf

EPA-841-F-07-006



Stormwater Management at EPA HQ (November 2006)

Provides information on retaining as much stormwater as possible on the land—rather than letting it run into storm drains—which can help keep harmful flows and pollutants out of streams and rivers.

Available at: www.lowimpactdevelopment.org/lid%20articles/lid%20fact%20sheet%20050207.pdf

EPA-841-F-06-005



Watershed Academy Webcasts (December 2006)

Provides information on registering and participating in EPA's Watershed Academy Webcasts on various watershed planning and restoration topics.

Available at: www.epa.gov/owow/watershed/wacademy/webcasts/351-trifoldA.pdf

EPA-841-K-06-001

For more information on Green Building, please visit
www.epa.gov/greenbuilding.



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