

**UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
EPA-NEW ENGLAND
BOSTON, MASSACHUSETTS 02203**

**GREEN BUILDING CASE STUDIES, MANUALS AND INTERESTING DOCUMENTS
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2001

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Case Studies

“Alternative Power First National to Hook Up 4 Fuel Cells for Electricity Fuel Cells,” by Chris Olson, OMAHA WORLD-HERALD. (CONSTRUCTION INDUSTRY-CASE STUDIES). A bank in Omaha, Nebraska plans to use fuel cells as the power supply for its new Technology Center. The steam that is produced will be used as backup heat. February 19, 1999.

And for Our Next Trick by Rocky Mountain Institute. (CONSTRUCTION INDUSTRY-CASE STUDIES). Update from RMI describing a new program to transform energy efficiency practices in the semiconductor and microelectronics industry. 1998.

Audubon Headquarters Goes 'Green', by Ron Scherer, in THE CHRISTIAN SCIENCE MONITOR. (CONSTRUCTION INDUSTRY). Case study of this NYC headquarters Green Building project. Includes materials selection, cradle-to-grave thinking, recycling, energy use, insulation, heating, lighting, paint, toxics, etc. December 10, 1992.

Boosting Prosperity: Reducing the Threat of Global Climate Change Through Sustainable Energy Investments, by The Energy Foundation. (GLOBAL WARMING-ENERGY-CASE STUDIES). A large number of case studies are contained in this huge document covering industrial, utility industries, commercial buildings, transportation, and numerous businesses (e.g. Battelle, Bechtel, Bell Atlantic, Boeing, Dow, etc.). Lots of economics and energy statistics. Not all cases have to do with Green Building. 1997.

Boston Convention and Exhibition Center Sustainable Design Integration Workshop. (CONSTRUCTION INDUSTRY-CASE STUDIES). Notes from 2 day workshop investigating energy efficient possibilities for a new Boston convention center. Focuses on use of daylighting, renewable energy, efficient HVAC, building materials, and water. Several green buildings and their unique features are also mentioned. July 1999.

Buildings That Save Money With Efficient Lighting, by US DOE. (LIGHTING). Case study of energy

efficient lighting in commercial buildings in MD and MA. 1996.

Build Up Energy Savings With Residential Standards, by US DOE. (HOUSING). Case study of how the EPA's Energy Star program helped Austin, TX's Green Builder program. Also references to a similar program in San Francisco, CA. 1995.

BRBA Folder of Case Studies by Buy Recycled Business Alliance. (CONSTRUCTION INDUSTRY-CASE STUDIES). Contains 18, 1-page case studies of buildings including Ben & Jerry's and McDonald's that have used recycled content products in construction. Also included is a copy of BRBA's Recycled Content Commercial Construction Products list. 1998.

Case Study: Ben & Jerry's. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at 25 of its retail stores focusing on recycled materials use.

Case Study: Center for Resourceful Building Technology, <http://www.montana.com/crbt>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to organization that promotes sustainable building technology education through research, publications, and a demonstration home.

Case Study: Duracell. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at a corporate headquarters office focusing on recycled content products, energy efficient strategies, and lighting.

Case Study: Energy Resource Center. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at a California gas company's resource center focuses on reused materials use.

Case Study: Family Museum of Arts & Sciences. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at an Iowa museum focuses on recycled and waste materials use.

Case Study: Four Times Square, <http://www.greendesign.net/content/featcase/index>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building in Manhattan featuring energy and water efficient strategies and recycled construction materials.

Case Study: Habitatfor Humanity, <http://www.habitat.org/env>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to an organization providing low-income housing and focusing on reused/recycled materials use and resource efficiency.

Case Study: Haymount. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to a Virginia community development plan focusing on preserving the ecosystem and efficient waste processing.

Case Study: Herman Miller Factory. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building in Michigan focusing on indoor air quality and efficient HVAC systems.

Case Study: Internationale Nederlanden (ING) Bank, http://www.rmi.org/gds/NMB_bank.html. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building in the Netherlands focusing on resource efficiency and daylighting.

Case Study: Maho Bay Camps, <http://www.maho.org>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building on St. John in the Virgin Islands focusing on recycled building materials.

Case Study: McDonald's. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at their Kent, WA store which was build mostly of recycled content materials.

Case Study: National Public Radio. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at an office and recording studio, highlighting energy efficiency, innovative HVAC, indoor air quality, recycled content products, as well as a state of the art recycling system for inhabitants.

Case Study: Natural Resources Defense Council. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at an office using architectural innovations in energy, lighting, materials use.

Case Study: Oberlin College, <http://www.greendesign.net/content/featcase/ober.html>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building on a college campus focusing on innovative heating and water treatment systems

Case Study: Real Goods Solar Living Center, <http://www.realgoods.com/SLC/index>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building in California highlighting innovative uses of water and alternative heating, resource efficiency, and sustainable building materials.

Case Studies: Renovation Incorporating Previously Used Materials. (CONSTRUCTION DEBRIS-CASE STUDIES). Abstract of the cost savings in using used building materials at a residential construction site in Ontario. 1993.

Case Study: Thoreau Center for Sustainability, <http://www.thoreau.org/index.html>. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at San Francisco, CA using recycled and environmentally sound materials and energy efficient technology.

Case Study: Wal-Mart. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building of Wal-Mart's Environmental Demonstration Test Stores at facilities in Lawrence, KS, City of Industry, CA, and Moore, OK focuses on using recycled content products, recycling

graywater, state of the art HVAC systems.

Case Studies: Waste Diversion During Construction of a Residential Home. (CONSTRUCTION DEBRIS-CASE STUDIES). Abstract of the waste diversion economics of a Canadian residential project. 1993.

Case Study: Waste Management. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building of Waste Management, Inc.'s office structure, focuses on using recycled content products.

Case Study: Women's Humane Society Animal Shelter. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract of the attention to Green Building at an animal shelter in Bensalem, PA; it was built to minimize energy and pollution from transportation, using recycled content products wherever possible

Chicago Plans Rooftop Gardens to Cool City, Fight Pollution by the Lincoln Journal Star. (ENERGY-GREEN POWER). The city's Environment Department plans to plant gardens atop several city buildings, including City Hall, to help reduce smog and cool the City. 1999.

Compressed Air Upgrade Saves Boeing Dollars. (GLOBAL WARMING-ENERGY-CASE STUDIES). Boeing's Portland, OR facility case study concentrates on its HVAC system upgrade. 1998.

Cool Savings at Henningsen Cold Storage Co. (GLOBAL WARMING-ENERGY-CASE STUDIES). Case study involving an upgrade to evaporators, condensers and insulating with recycled plastics at a Portland area cold storage facility. 1997.

Creating Sustainable Buildings: Volume 1. Program Case Studies, by Angela Vitulli, et. al., Tufts University. (CONSTRUCTION INDUSTRY). Case studies of the Green Builder Program of Austin, TX which maintains a Residential, Municipal Buildings, and Commercial Buildings Program. Attention is given to funding, achievements of the program, lessons learned, and public relations; also The Citywide Sustainable Design Taskforce of Los Angeles which designs and builds city-owned, city-influenced and private sector buildings. 1998.

The Dan Schaefer Federal Building: Making a Statement with Intelligent Building Design. (HOUSING). Energy conservation and passive solar energy demonstration project houses a US DOE facility in the Midwest.

Departments of Energy and Defense Dedicate New Photovoltaic Solar Array on Pentagon by US DOE News. (ENERGY-GREEN POWER). Overview of one of the largest solar installations to hit the East Coast. 1999.

Energy Cost Reduction Initiatives at the Chicago Housing Authority, by US DOE. (HOUSING). Case

study of the energy, water, and other measures taken by CHA which have impacted a quarter of its residential units. 1999.

Energy Efficient Construction Projects Abound in Las Vegas, by Jan McAdams. (CONSTRUCTION INDUSTRY-CASE STUDIES). Highlights the McDonald Center for the Arts and Humanities in California which uses efficient lighting and HVAC systems and the practice of earth integration. 1997.

Exemplary Buildings Residential Project Sites. (HOUSING). Five US DOE pilot projects created examples of energy and systems efficiency in residences in AZ, NC, CO, and CA.

First Green Post Office. (INSTITUTIONS-WASTE). Case study of Green Building at a TX post office building incorporating recycled construction products, indoor air quality, energy efficiency, rainwater harvest, and exterior envelope design.

Four Times Square New York, NY by the Green Design Network. (CONSTRUCTION INDUSTRY). Overview of the first skyscraper to utilize standards for energy efficiency, indoor air quality, and sustainable materials/responsible construction. 1998.

"Free" Energy Shines Through at Marco's Café. (GLOBAL WARMING-ENERGY-CASE STUDIES). A Portland, OR restaurant's upgrade includes rooftop solar collectors, and a waste heat recovery system. 1997.

Freiburg, Germany Low Energy Housing Construction, by ICLEI. (GLOBAL WARMING-ENERGY-CASE STUDIES). Case study of implementation of new building codes requiring reduced energy needs for heating and cooling utilizing solar energy. 1999.

Gap Corporate Campus by Green Design Network. (CONSTRUCTION INDUSTRY-CASE STUDIES). Abstract/contact information for the green campus, built last year in San Bruno, California. 1998.

Green Buildings, Green Offices by Rocky Mountain Institute. (CONSTRUCTION INDUSTRY-CASE STUDIES). Update from RMI tackling the multi-tenant dilemma. Mention is made of consortium projects with Continental Offices Limited of Chicago. 1995.

Green Buildings Success Stories: Business For an Environmentally Sustainable Tomorrow. (GLOBAL WARMING-ENERGY-CASE STUDIES). Case study of building upgrades in Portland, OR office buildings and institutions, encompassing energy, water, waste, and transportation, and featuring innovative recycling, use of recycled building materials, use of bikes and electric vehicles for local transportation.

Green Buildings Success Stories: Harmony Resort, St. John, U.S. Virgin Islands. (HOTELS). Case study of Green Building involves photovoltaic energy sources, solar water heating, gray water reuse, waste composting and recycling, and building from recycled construction materials.

Green Buildings Success Stories: Plymouth Institute. (GLOBAL WARMING-ENERGY-CASE STUDIES). Case study of an environmental organization's demonstration project facility upgrade using micro-hydropower to generate electricity, biological waste treatment, wind farm, and aquaculture.

Green Buildings Success Stories: Sustainable Living Center Hostels: Hostelling International-American Youth Hostels. (HOTELS). Case study highlights the use of lighting, insulation, water conservation at several youth hostels across America. 1998.

Green Buildings Success Stories: Wampanoag Tribe Multi Purpose Building (INDIANS). Case study of Green Building involves passive solar, lighting, recycled construction materials, and resource efficient plumbing and water in a community center.

Lamb's Thriftway Remodel a Bright Light. (GLOBAL WARMING-ENERGY-CASE STUDIES). Case study of renovations a shopping center includes energy savings, refrigeration improvements and improved lighting. 1997.

The Little Red School House Goes Modern. (SCHOOLS). Abstract of a state of the art HVAC system in a MN school. Linked to an abstract of a similar system in a MN church.

NMB Bank Headquarters: Development of a Green Building, by William Browning. (CONSTRUCTION INDUSTRY-CASE STUDIES). Case study of a bank in the Netherlands which has integrated sustainable materials, solar energy, energy efficiency, and rainwater.

Oberlin College Pushes Green Building Envelope. (UNIVERSITIES). Green building information is provided for Oberlin College's new Center for Environmental Studies. 1998.

Off the Shelf, by the Green Team. (CONSTRUCTION INDUSTRY-CASE STUDIES). Case study of the transformation of a Brownfield site into EPA's Region 7 Headquarters in Kansas City, KS. Lists environmentally sensitive building materials used in the construction.

Portland Art Museum Saves Energy Artfully. (GLOBAL WARMING-ENERGY-CASE STUDIES). Case study is about the upgrade of the museum's air conditioning system and protection against ultraviolet radiation and condensation. 1997.

Port of Portland Building Slashes Energy Use. (GLOBAL WARMING-ENERGY-CASE STUDIES). Building upgrade concentrates on HVAC, lighting, windows and waste reduction. 1997.

PV Pioneer I Program History by Sacramento Municipal Utility District. (CONSTRUCTION INDUSTRY). Overview of the PV Pioneer I Program in Sacramento County, CA, where 450 systems have been installed in the community. 1999.

Read the Manual by Rocky Mountain Institute. (CONSTRUCTION INDUSTRY-CASE STUDIES).

Update from RMI describing a new program to write "occupant manuals" for building it designs or retrofits. 1998.

Renewable Energy Case Studies by CREST. (ENERGY, ALTERNATIVE-DIRECTORIES). Abstracts of case studies of alternative energy sources in commercial, institutional, and industrial buildings, domestic and international. 1994.

Saarbrücken, Germany: Passive Solar Energy in Municipal Buildings, by ICLEI. (GLOBAL WARMING-ENERGY-CASE STUDIES). Concentrates on the CO2 emission reduction of using solar energy to heat outdoor swimming pools. 1999.

St Benedict Center for Early Childhood Education. (HOUSING). A US DOE Exemplary Buildings Program site in Louisville, KY promotes energy efficiency through passive solar and demand-side HVAC and lighting.

States Promote Rating System by Oikos Green Building Source. (GLOBAL WARMING-MODELS). Overview of the States' desire to utilize programs rating home energy systems. 1999.

Story Behind the Commonwealth's First Green Facility. (INSTITUTIONS-WASTE). Case study of the construction at PA's Environmental Protection Dept.'s offices concentrated on energy issues, sustainable and recycled materials use, indoor air quality, and economics. Includes a vendor listing.

Story Behind the House Recycling Built. <http://www.americarecyclesday.org/housetour>. (CONSTRUCTION, ENVIRONMENTAL). Abstract about constructing a home in Kempner, TX made from recycled content building materials.

Twelve More Schools to Join Solar Schools Program by Oikos Green Building Source. (SCHOOLS). Abstract/contact information provided on the Solar Schools program, which has provided 11 schools in Ohio and Texas with the opportunity to utilize PV systems. 1999.

Tierra Concrete Homes, Pueblo CO: An Ultra-Energy Efficient House Gaining Mainstream Acceptance. (HOUSING). A US DOE pilot project used concrete walls to store solar heat, passive solar heating and cooling, and convection, conduction, and radiant energy for energy distribution.

Toronto, Canada Energy Efficient Buildings, by ICLEI. (GLOBAL WARMING-ENERGY-CASE STUDIES). Concentrates on CO2 reduction through an energy conservation program to upgrade the HVAC systems. 1999.

"Turning C&D Waste From Liability Into Profit," by Kevin Brook, et.al, in C&D RECYCLING. (CONSTRUCTION DEBRIS-CASE STUDIES). Looks at recycling of construction debris at two shopping malls and at the reconstruction of a freeway.

Zion Canyon Visitor and Transportation Center, Zion National Park, Utah. (PARKS). A US DOE project deals with Green Building planning to cut down on transportation air emissions and energy use at a visitors center. Design schematics included.

University of Michigan Walks the Talk by Oikos Green Building Source. (UNIVERSITIES). Overview of green renovations that are taking place at the S.T. Dana Building on the University campus. 1999.

Vermont Law School: A Model of "Green" Construction and Operation. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL-VERMONT). Lists the environmental aspects of construction materials and the green features of the building. Also provides detailed steps taken to design Vermont Law School's Oakes Hall to be sustainable, energy efficient, and healthy. June 1998.

Working with Light, by Karl H. Maret, in IN CONTEXT. (CONSTRUCTION INDUSTRY-CASE STUDIES). Amsterdam bank headquarters features the efficient use of resources, recycled and sustainable materials, low noise levels, and innovative water applications. Spring 1993.

Manuals

Building Green on a Budget by Environmental Building News. (CONSTRUCTION INDUSTRY). A checklist of design strategies, building practices, and materials substitutions that are comparative or cost less than conventional practices. 1999.

Building for Environmental and Economic Sustainability 2.0, by US Dept. of Commerce, NIST, (CONSTRUCTION INDUSTRY-MATERIALS-SUSTAINABILITY).
A manual and software package helps builders to select environmentally and economically balanced building materials for structural and interior purposes. 2000.

Building With Recycled-Content Materials: The Sensible Thing To Do, by Center for Resourceful Building Technology, Missoula, MT (CONSTRUCTION INDUSTRY). A manual about how, when, and where to use recycled materials in construction. Also contains resource lists. 1995.

Building With Value: (CONSTRUCTION INDUSTRY). Building With Value is an educational project by a Portland, OR collaborative. These are among their factsheets:

- Making Choices: A Materials Selection Checklist
- Building With Recycled Content
- Resource Efficient Construction: It's Up To You
- Reducing On-Site Waste
- How Green Are You: Rating Yourself

Environmental Handbook for Oregon Construction Contractors: Best Pollution Prevention Practices, by Oregon Department of Environmental Quality. (BOOKSHELF). This manual aims to provide a comprehensive understanding of regulatory compliance and pollution prevention in the construction industry. Appendixes offer guide to assess current knowledge and evaluation tools. May 1994.

Environmental Handbook for Oregon Construction Contractors: Regulatory Guidance, by Oregon

Department of Environmental Quality. (BOOKSHELF). A handbook designed to summarize the regulatory requirements of the construction industry. May 1994.

Guide To Resource Efficient Building, by Michael O'Brien & Debbi Palermini, The Sustainable Building Collaborative. (CONSTRUCTION INDUSTRY). A Green Building manual which discusses, site design, planning, materials selection, infrastructure, and Green Building salemanship. 1993.

LEED Green Building Rating System 1.0 by US Green Building Council. (CONSTRUCTION INDUSTRY-ENVIRONMENTAL MODELS). LEED, a priority program of the US GBC, evaluates environmental performance from a "whole building" perspective over a building's life cycle, providing a definitive standard for what constitutes as a "green building." January 1999.

Managing and Minimizing Construction Waste: A Practical Guide, by J. Ferguson, et. al., Institution of Civil Engineers. (CONSTRUCTION INDUSTRY-SOURCE REDUCTION). An English manual includes legal requirements, and checklists for designers, contractors, and clients. 1995.

On-Site Residential Construction Waste Management, by the Cornell Waste Management Institute. (CONSTRUCTION INDUSTRY-SOURCE REDUCTION). A project summary helps builders to reduce and recycle at construction sites.

Resource Efficient Building: A Handbook for Building Owners, Designers, and Project Managers, by Metro (Portland, OR). (CONSTRUCTION INDUSTRY). Manual is principally about materials reuse, recycling, and reduction. 1993.

The Sourcebook for Sustainable Design: A Guide to Environmentally Responsible Building Materials and Processes, by Andrew St. John, Architects for Social Responsibility & Boston Society of Architects. (CONSTRUCTION INDUSTRY). A manual and descriptive catalogue of materials and their suppliers which can be used for Green Building. 1992.

Sustainable Building Technical Manual: Green Building Design, Construction, and Operations, by Public Technology, Inc., National League of Cities, et. al. (BOOKSHELF). A comprehensive Green Building manual encompassing pre-design and design issues, energy, lighting, infrastructure, materials use, specifications, waste management, as well as building operations, maintenance and economics. Interspersed with abstracts of case studies for illustrative purposes. 1996.

Interesting Documents

The Acrosanti Project, <http://www.acrosanti.org/acrosanti.index>. (CONSTRUCTION INDUSTRY-CASE STUDIES). A prototype city, dedicated to preserving the natural ecology and limiting the impact of urban life, has been under development in Arizona 1998.

Ankara, Turkey Urban Energy Management. (GLOBAL WARMING-ENERGY-CASE STUDIES).

Reports the air quality effects of switching from high sulfur coal to natural gas city-wide (conversion included 170,000 households). 1999.

Building for the Future: Strategies to Reduce Construction and Demolition Waste in Municipal Projects, by Bette K. Fishbein, INFORM, Inc. (BOOKSHELF). Provides descriptions and analyses of various construction and demolition waste reduction strategies. Full report available through <http://www.informinc.org/publications.html#p>. June 1998.

Building Green: Investment Opportunities in Sustainable Construction Materials, by Maia Hansen. (CONSTRUCTION, ENVIRONMENTAL). A thesis exploring the economic, environmental, and health aspects of green building. January 15, 1998.

Building With Value: Focus Group Summary Report (CONSTRUCTION INDUSTRY). A Washington State survey about the elements of a Green Building program and the difficulties of marketing it to all stakeholders. 1993.

Buyer Green, by David Johnston. (CONSTRUCTION, ENVIRONMENTAL). A survey found that energy efficiency is a prime concern of consumers. Article lists consumers' #1 energy efficiency and resource conserving features as well as most desired green building benefits. September 1, 2000.

Carbon Dioxide Reduction Strategy: Thinking Globally and Acting Locally, by Planning, Environmental and Conservation Services Department, City of Austin, Texas. (BOOKSHELF). This report details the various carbon dioxide reducing methods examined by the City of Austin, including suggested actions and an analysis of their impact. Focus is placed on energy efficiency, renewable resources and cogeneration, transportation, recycling, and tree planting. February 1997.

Center for Maximum Potential Building Systems: Selected Projects. (HOUSING). Abstracts of Green Building projects from all of the U.S. includes case studies, city-wide programs, guides, manuals for innovative design of systems for energy, materials, water, wastewater, solid waste management.

"Christine Ervin to Lead US Green Building Council; Steven Winter Elected Chairman", in PR NEWSWIRE. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL-MODELS). Brief article discussing the appointment of the US Green Building Council's first President and CEO and the election of a new chairman. The Council's goal is to promote buildings which are safe for humans as well as environmentally and economically sound. April 20, 1999.

Civano, <http://www.civano.com>. (CONSTRUCTION INDUSTRY-CASE STUDIES). A look at the philosophy of a pedestrian community in Arizona committed to "green" construction practices, resource reduction, xeriscaping, and solar heat and energy use.

Constraints and Opportunities: Expanding Recovery in the Demolition Industry, by Josh Fox and Jill Zachary, Community Environmental Council, and Brain Runkel, California Environmental Business Council. (BOOKSHELF). This report summarizes a study designed to examine the factors influencing

construction and demolition recovery. Strategies for increasing recovery. February 1998.

Construction of a Multi-Unit Apartment Complex (CONSTRUCTION DEBRIS-CASE STUDIES). Abstract about modular construction as a building technique. 1993.

Cooling Our Cities. (TREES). How Washington, DC, Tucson, AZ, and other cities are using tree planting to modify urban cooling loads. 1993.

Creating Sustainable Buildings: Volume 2. A Resource Guide, Ibid. (CONSTRUCTION INDUSTRY). Unique features of this otherwise predictable directory of resource organizations is that it includes Architects, Designers, Engineers, Vendors, Green Building Materials Suppliers, and Product Certification organizations who have paid Green Building a great deal of attention. The lists are not exhaustive: what is missing is more extensive than what is included.

The Econolodge Sourcebook for Planners and Developers. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). A handbook offering information on sustainable building design from its uses to its economics and industry standards. Includes case studies highlighting these features. Available at Rotch Library, MIT: NA2542.35.E26 1995

The Ecology of Architecture. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). Discussions on renewable resources and their use in construction. Includes case studies of green building such as the Energy Resource Center, the Herman Miller SQA Facility, and the Paulk Residence. Available at Rotch Library, MIT: NA2542.35.Z45 1996

Environmental Building News (CONSTRUCTION INDUSTRY). A periodical dedicated to Green Building issues, has been in existence since 1992. It includes case studies, advice for builders and architects, new product news, and innovative approaches. Sample available. Subscription held by Rotch Library, MIT.

Environmental Design: An Introduction for Architects and Engineers. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). A book exploring environmentally sound building materials and their applications. Included are case studies of green buildings and environmental data on the construction materials. Available at Rotch Library, MIT: NA2542.35.E575 1996

Environmental Design Research Association Annual Conference: People, Places, and Public Policy. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). Contains text of 1998 EDRA conference including abstracts of environmentally designed facilities. Available at Rotch Library, MIT: NA2542.35.E596 1998

Environmental Resource Guide to Building Materials, by American Institute of Architects. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). A guide to resources in the green building materials industry. Included in this report are analyses of the materials' performance. Available at Rotch Library, MIT: NA2542.35.E73 1992

European Directory of Sustainable and Energy Efficient Building 1996. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). A directory of about 3,000 European companies dealing in sustainable building materials. Available at Rotch Library, MIT: NA2542.3.E97 1996

Going Green, by Greg Orwig. (CONSTRUCTION, ENVIRONMENTAL). Descriptions of environmentally friendly building materials being manufactured in the Northwest. October 1998.

Green and Clean; The Designer's Impact on Housekeeping and Maintenance, by Stephen P. Ashkin, ASTM Task Force. (CONSTRUCTION INDUSTRY-CASE STUDIES). The financial benefits of designing office building interiors that facilitate the disposal and collection of trash are explored. 1999.

Green Building Goes Local; Sustainable Facilities, by Tom Dietsche, Public Management. (CONSTRUCTION, ENVIRONMENTAL). Looks at the environmental and economic benefits of green buildings. Resources/references included. October 1, 1999.

Green Building Now: Part 1, by Rick Barnett. (CONSTRUCTION, ENVIRONMENTAL). Explores the benefits of green building features that reduce consumption and pollution. Tips for maximizing deconstruction potential. July/August 2000.

Green Building Resource Guide, by John Hermansson. <http://www.greenguide.com>. (CONSTRUCTION, ENVIRONMENTAL). A database of useful, green building materials available to order in print form or on CD-ROM. 1996.

Green Buildings and Swap-O-Rama, by Timonie Hood, USEPA Region 9. (CONSTRUCTION INDUSTRY-CASE STUDIES). Two emails citing a number of green building programs and construction/demolition projects in CA and AZ. Outlines Second Chance Week and Swap-O-Rama as model events. July 1999.

Green Buildings Success Stories: City of Austin Green Builder Program (HOUSING). Description of a city-wide Green Building program which addresses energy efficiency, water consumption, building materials selection, solid waste production, and utilization of recycled products.

Green Games by Rocky Mountain Institute. (STADIUMS). Update from RMI describing its new, high-profile assignment: helping design the solar-powered athlete's village for the 2000 Summer Olympics in Sydney, Australia. 1997.

"Greening the Built Environment," in GREEN@WORK. (CONSTRUCTION INDUSTRY-CASE STUDIES). Series of 10 green buildings, including the Lady Bird Johnson Wildflower Center, Hanover House and the New South Jamaica Branch Library. Brief articles on Energy Star labels for K-12 schools, LEED's Green Building Rating System, and the Built Green Colorado program. May/June 2000.

"Greening Up Buildings; Environmental Management Programs Designed for Buildings", in

BUILDINGS. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL-MODELS). Article looks at several environmentally sensitive programs for buildings. Included are the ENERGY STAR label for energy efficient buildings, LEED's Green Building Rating system based on standard building codes, the greening of the White House, and international efforts to develop measurable solutions to environmental issues. June 1998.

Information Center for the Environment, via <http://ice.ucdavis.edu>. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). Printout of links to Canadian "planning and specification of built environments". 1998.

Model Construction Site Recovery Project Case Study, by ReTap, Clean Washington Center. (CONSTRUCTION DEBRIS-CASE STUDIES). A model construction project principally concerned with waste reduction, reuse, recycling and cost-effectiveness at jobsites. 1996.

National Guide to Funding for Community Development, by The Foundation Center. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). Provides resources for providing financial assistance with to community planners and developers. Available at Rotch Library, MIT: AS911.A2.N37 1998

Nuts and Bolts of Greening Texas Public Buildings, by Center for Maximum Potential Building Systems. (BOOKSHELF). Overview of the 1997 Texas Sustainable Building Professional Training Seminar, outlining the topics to be discuss including climatic design, HVAC, indoor air quality, sustainable building materials, landscaping, and construction and office recycling. Provides brief information on some Texas case studies, noting water conservation efforts, awards, and sustainable design features such as daylighting, natural ventilation, efficient HVACs, and interior solar shading. 1997.

Search for Low-Impact Building Materials and Techniques. (CONSTRUCTION INDUSTRY-MATERIALS-SUSTAINABILITY). An examination of the alternative construction materials and sustainable design methods of Pliny Fisk III, Co-Director of the Center for Maximum Potential Building Systems.

Resource Guide to Recycling Construction and Demolition Debris in the Northeast (2nd ed.), by Fundamental Action to Conserve Energy. (BOOKSHELF). A guide to companies, primarily in New England, that accept used or reused construction/demolition waste. Categories include, drywall, paint, paper, plastics, roofing, metal, and wood. September 1995.

Resources and Tools For Environmentally Smart Building Design and Construction by Loren Abraham, Environmental Research Group. (CONSTRUCTION INDUSTRY). A directory of agencies, organization, guidebooks, manuals, which can be used in Green Building. 1994.

The Super Bowl of Recycling: Kickoff at Sun Devil in BioCycle. (STADIUMS). Recycling and solid waste management "special events" strategies are explored for Super Bowl '96. January 1996.

A Survey of the Environmental Construction Market, by Edmund Pendleton, Center for Construction

Research and Education, MIT. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). An academic market study of the segments of environmental construction including waste management, water management, sewerage, water supply, pollution abatement, energy. Includes supply side and demand side case studies of practitioners. 1992.

Sustainable Building Sourcebook, <http://www.greenbuilder.com>. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). A resource providing sources and references for alternative construction techniques and sustainable building materials with sections on water, energy, building materials, floor coverings, and solid waste. 1997.

Task Force to Educate Owners and Developers on Green Building Tax Credit. (CONSTRUCTION, ENVIRONMENTAL). An effort is being made to educate New Yorkers on the state's green building tax credit. Credits can equal 5% of allowable construction costs. September 2000.

"Tax Incentives Approved for "Green" Buildings: Credit for Construction that Cuts Pollution," by John Holusha, NYTIMES. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL-NEW YORK). Describes the legislation enacted by the State of New York encouraging green buildings through tax incentives. Included in examples are the use of fuel cells, photovoltaic panels, and materials which improve air quality. May 29, 2000.

Towards Sustainable Architecture: European Directives and Building Design. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL). Includes discussions on sustainable design of commercial buildings, environmental audits and the impact of common construction related materials, processes, and services. Available at Rotch Library, MIT: NA 2542.35.E35 1996

"Two Construction Initiatives Make New York's New Budget", Engineering News-Record. (CONSTRUCTION INDUSTRY, ENVIRONMENTAL-NEW YORK). The State of New York's budget allows for the distribution of \$25 million over nine years through state tax credits for the development of green buildings. Developers and tenants of large commercial and residential buildings meeting green standards will be eligible. May 15, 2000.

The USPS and Trex - Closing the Circle, by Ryan Walker, USPS. (CONSTRUCTION INDUSTRY-CASE STUDIES). Series of handouts outlining a contract between the USPS and Trex for the recycling of plastic materials such as letter trays, mail bags, and stretch film. Includes statement of work.

US Sustainable Building Policy and Programs: Follow-up Report to OECD. (CONSTRUCTION, ENVIRONMENTAL). Describes US federal sustainable building projects such as PATH, HUD, and NIST.

William McDonough: Redesigning Buildings and Building Materials for Environmentally Intelligent Architecture. (CONSTRUCTION INDUSTRY-MATERIALS-SUSTAINABILITY). Looks at the Dean of the School of Architecture at the University of Virginia, William McDonough's environmentally sensitive approach to construction. Offers examples of sustainable building materials and how to take

advantage of solar energy and reuse byproducts.

Additional Resources

Building Design Assistance Center. (CONSTRUCTION INDUSTRY-CASE STUDIES). Encourages resource efficient building design in the State of Florida by offering free design assistance provided to architects and engineers. BDAC also performs laboratory and field tests on “green” building materials to evaluate their effectiveness. Publications, building materials source directory, projects lists can be found on their website: <http://alpha.fsec.ucf.edu/~bdac>.

Center for Resourceful Building Technology. (CONSTRUCTION INDUSTRY-CASE STUDIES). This organization’s goal is to encourage environmentally and economically sound construction practices through research, education, publications, and demonstrations. <http://www.crbt.org/home2.html>.

Rotch Library, MIT: Contains a wealth of resources on green building including books, manuals, directories, periodicals, and theses. The holdings of Rotch Library can be searched on the web at the MIT Libraries website. <http://libraries.mit.edu/>

Rocky Mountain Institute: RMI makes much of its information available for free, but where possible it also sells its services to earn income to support its pro bono work. Its mission is to foster the efficient and sustainable use of resources as a path to global security. Available resources: newsletter, publications, and Green Development Services. These resources can be accessed on the RMI website at <http://www.rmi.org/RnC.html>