

Toolkit Resource List

Using the list below, users can access electronic copies of archived webcasts, presentations, and publications on growth management and water quality. We've also provided links to useful Web sites with other relevant resources. Note that some of the documents are archived in the *Toolkit* itself, while others must be accessed via the Internet. In either case, just click on the title to access a document.

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Webcasts

(requires RealPlayer)

Protecting Water Quality While Meeting Smart Growth Goals

This July 25, 2007 ICMA webcast, supported by the U.S. Environmental Protection Agency, looks at how two very different communities—San José, California and Barnstable, Massachusetts—protect water quality while meeting smart growth goals for economic growth and development. Speakers from both communities provide background and discuss the political, economic, and regulatory aspects of their programs. *(82 minutes)*

Presentations from this Webcast

(requires Adobe Reader)

Smart Growth and Water Quality *(PDF, 3.9 MB)*

By Geoff Anderson, director, Development, Community and Environment Division, U.S. Environmental Protection Agency

Case Study: San José, California *(PDF, 3.9 MB)*

By Laurel Prevetti, assistant director, Department of Planning, Building and Code Enforcement, San José, California

Case Study: Barnstable, Massachusetts *(PDF, 3.6 MB)*

By Paul Niedzwiecki, assistant town manager, Barnstable, Massachusetts

For Q&A responses and additional materials, visit www.icma.org/waterwebcast.

Protecting Water Resources through Land Conservation: Funding Options for Local Governments

This June 9, 2005 ICMA webcast, conducted in collaboration with The Trust for Public Land, provides context for the role of conservation finance in land conservation, describes critical components for creating a successful funding effort, and showcases success stories from Draper, Utah and Wake County, North Carolina. *(102 minutes)*

Presentations from this Webcast

(requires Adobe Reader)

What is Land Conservation Financing? *(PDF, 175 KB)*

By Matthew Zieper, national research director, The Trust for Public Land

Case Study: Draper, Utah *(PDF, 183 KB)*

By Eric Keck, city manager, Draper, Utah

Case Study: Wake County, North Carolina *(PDF, 3 MB)*

By David Cooke, county manager, Wake County, North Carolina; Sig Hutchinson, Wake County Open Space and Parks Advisory Committee

Presentations

(requires Adobe Reader)

Presentations from the 2006 New Partners for Smart Growth Conference

Codes, Stormwater, and Smart Growth *(PDF, 1.6 MB)*

By Lisa Nisenson, senior policy analyst, U.S. Environmental Protection Agency

A Common Vocabulary: Cross-Referencing Stormwater and Comprehensive Plans *(PDF, 971 KB)*

By Lisa Nisenson, senior policy analyst, U.S. Environmental Protection Agency

The Dollars and Sense of Green Infrastructure *(PDF, 1.9 MB)*

By Jane Kulik, vice president and principal, Wenk Associates, Inc.

Growth Readiness: Having Growth And Water Quality Too *(PDF, 1.1 MB)*

By Jane Fowler, training and research, Southeast Watershed Forum

Linking Ecology and Urbanism: Coyote Valley Case Study (PDF, 4.8 MB)

By Ken Kay, principal, Ken Kay Associates

San José's Smart Growth Stormwater Management Policies (PDF, 2.9 MB)

By Stan Ketchum, principal planner, City of San José, California

Presentations from the 2007 New Partners for Smart Growth Conference

Green Community Design: Principles and Benefits (PDF, 422 KB)

By Clark Wilson, associate principal, Community Design + Architecture

Smart Growth Approaches and Water Resources (PDF, 2.1 MB)

By Lynn Richards, senior policy analyst, U.S. Environmental Protection Agency

Smart Growth and Water: Lessons from New Jersey (PDF, 6.3 MB)

By George Hawkins, executive director, New Jersey Future

What Drives Impervious Cover? Zoning from a Watershed Point of View (PDF, 1.5 MB)

By Lisa Nisenson, principal, Nisenson Consulting

To learn more about future New Partners for Smart Growth Conference, visit www.newpartners.org.

Online Training

Watershed Academy

The Watershed Academy, offered by U.S. Environmental Protection Agency's Office of Water, offers more than 50 free, self-paced training modules on implementing watershed approaches. The Academy also sponsors monthly webcasts, as well as other Web-based training.

Fact Sheets

(requires Adobe Reader)

Control Stormwater Runoff with Trees (PDF, 430 KB) *Urban Forest Research, 2002*

This fact sheet discusses the potential of trees to help control water runoff and urban forestry as an important strategy in stormwater controls. Provides facts and tips.

Growth and Water Resources (PDF, 190 KB)

U.S. Environmental Protection Agency, 2005

This fact sheet explains how land use affects water resources and offers resources and tools for communities.

Impacts of Development on Waterways: Linking Land Use to Water Quality (PDF, 5.4 MB)

University of Connecticut, 2001

This fact sheet explains how altering the land disrupts the water cycle and its balance with surrounding habitat, as well as what towns can do to make a difference.

Is Your Land Use Agenda in Sync with Source Water Protection? (PDF, 219 KB)

New England Interstate Water Pollution Control Commission, 2004

This fact sheet encourages local officials to conduct a source water assessment and provides six strategies for action.

Land Use and Watersheds (PDF, 2.1 MB)

Local Government Commission, 2006

This fact sheet explains several venues open to local elected officials for working on a regional level to permanently preserve the availability of local water supplies by protecting the watershed.

Livable Communities and Water (PDF, 1.9 MB)

Local Government Commission, 2006

This fact sheet explains for elected officials the surprising links between livable communities and water—and the many benefits of acting on them.

Low Impact Development: A Guide for Local Elected Officials (PDF, 291 KB)

National Association of Counties, 2006

This fact sheet addresses questions that elected officials may have about low impact development.

Sensible Water Strategies (PDF, 430 KB)

Campaign for Sensible Growth, 2004

This fact sheet offers strategies for governments to address the challenges of maintaining water quality and quantity, including green infrastructure, conservation design, and overlay districts/zones. Includes brief, illustrative case studies.

Urban Stormwater Management (PDF, 3.3 MB)

Local Government Commission, 2006

This fact sheet provides some least-cost methods for meeting federal requirements for urban runoff management—by using nature's systems to handle drainage water.

Watershed Planning for Sustainable Communities (PDF, 945 KB)

Campaign for Sensible Growth, 2004

This fact sheet provides an overview of watershed planning and how it can be a tool to guide land use decisions and safeguard water supplies. Includes brief case studies.

Publications

(requires Adobe Reader)

The Ahwahnee Water Principles: A Blueprint for Regional Sustainability (PDF, 4.6 MB)

Local Government Commission, 2006

This guidebook describes the Ahwahnee Water Principles and provides case studies of communities that are already implementing the strategies. It provides important background information about federal and state laws that impact local government and includes a special section with model general plan language.

Financing Land Conservation (PDF, 168 KB)

International City/County Management Association, 2001

This report describes strategies for preserving open space, common land conservation financing methods and funding sources (including purchase of development rights), and ways of allocating funds among jurisdictions. Includes four case studies.

Getting to Smart Growth: 100 Policies for Implementation (Vol. I) (PDF, 1.9 MB)

International City/County Management Association and SGN, 2002

This publication helps policymakers put the ten smart growth principles into practice. The policies and guidelines presented in this primer have proven successful in communities across the United States, and range from formal legislative or regulatory efforts to informal approaches, plans, and programs. A Spanish version is available at www.smartgrowth.org.

Getting to Smart Growth: 100 More Policies for Implementation (Vol. II) (PDF, 2.1 MB)

International City/County Management Association and SGN, 2003

This publication follows on the heels of the extremely popular first volume of *Getting to Smart Growth*. Similar in format to the first volume, this new volume lists and describes an entirely new set of 100 policies for implementation. A Spanish version is available at www.smartgrowth.org.

Green Infrastructure: Smart Conservation for the 21st Century (PDF, 1.6 MB)

The Conservation Fund, 2002

This publication takes readers from the origins and history of this concept to its implementation and benefits today—demonstrating how green infrastructure plans can allow for both future growth and the protection of significant natural resources.

Growing Greener: Revitalizing Brownfields into Greenspace (PDF, 363 KB)

International City/County Management Association, 2002

This guide provides information about different types of greenspaces, examples of successful projects from a variety of communities, and strategies for creative financing, leveraging resources, and open and active communications to address community issues. Includes two in-depth case studies of successful brownfields-to-greenspace projects.

Growing Toward More Efficient Water Use: Linking Development, Infrastructure, and Drinking Water Policies (PDF, 420 KB)

U.S. Environmental Protection Agency, 2006

This publication focuses on the relationships among development patterns, water use, and the cost of water delivery. Includes policy options for states, localities, and utilities that directly reduce the cost and demand for water while indirectly promoting smarter growth.

Implementing a Municipal Open Space Program

(PDF, 530 KB)

Pennsylvania Dept. of Conservation and Natural Resources, 2003

This report provides municipal officials with basic information related to planning for and implementing an effective open space program. The report is written for Pennsylvania communities, but the concepts are relevant nationwide.

Incentive-Based Land Use Policies and Water Quality (PDF, 308 KB)

Resources for the Future, 2004

This discussion paper analyzes three economic incentive-based policies that could be used to alter land use patterns—purchase of development rights (PDRs), transferable development rights (TDRs), and development impact fees. The paper focuses on the Chesapeake Bay region but is relevant to communities nationwide.

Integrating Stormwater Regulation and Urban Design

(PDF, 596 KB)

American Planning Association, 2006

This issue brief demystifies the new National Pollutant Discharge Elimination System (NPDES) requirements, links them to common zoning and planning efforts already underway, and offers cautionary observations about the potential for unintended results when merging land use and water regulations.

Navigating the Waters: Coordination of Waterfront Brownfields Redevelopment (PDF, 7.23 MB)

International City/County Management Association, 2002

This report examines the challenges and opportunities local governments face when redeveloping brownfields along coastlines and waterways, as well as the considerations

that will affect regional watersheds. Features two case studies and numerous success stories in waterfront brownfields redevelopment.

Protecting the Source: Land Conservation and the Future of America's Drinking Water (PDF, 1 MB)

The Trust for Public Land, 2004

This report promotes land conservation as a critical approach to drinking water protection, exploring scientific, economic, and public health rationales for using land conservation for drinking water protection. Presents best practices and case studies for successful local implementation.

Protecting Water Resources with Higher-Density Development (PDF, 1.4 MB)

U.S. Environmental Protection Agency, 2006

This report helps communities better understand the impacts of higher and lower density development on water resources. The findings indicate that low-density development may not always be the preferred strategy for protecting water resources.

Protecting Water Resources with Smart Growth (PDF, 1.4 MB)

U.S. Environmental Protection Agency, 2004

This report is intended for audiences already familiar with smart growth concepts who seek specific ideas on how techniques for smarter growth can be used to protect water resources. Suggests 75 policies that communities can use to grow in the way that they want while protecting their water quality, illustrated with brief case studies.

The Relationship Between Land Use Decisions and the Impacts on Our Water and Natural Resources (PDF, 945 KB)

Planning with POWER/Purdue University Cooperative Extension Service and the Illinois-Indiana Sea Grant College Program, 2002

This publication describes the relationship between land use decisions and natural resources and outlines three strategies for intervention: planning for protection, minimizing impacts, and mitigating impacts.

Smart Growth for Clean Water (PDF, 6.2 MB)

National Association for Local Government Environmental Professionals, 2004

Offers ideas for using smart growth to advance clean water goals based on the experiences of communities across the nation.

Smart Growth Strategies, Protecting Water Resources: Local Government Roles and Options for the Rocky Mountains and Northern Great Plains (PDF, 2.81 MB)

National Association of Counties, 2001

Provides an overview of how local governments can use land use tools to protect water resources. While case examples are specific to the Rocky Mountains and Northern Great Plains region, counties across the country may bene-

fit from the tools and resources, as well as a 'smart growth check-list for water resources protection'.

The Source Protection Handbook: Using Land Conservation to Protect Drinking Water Supplies

(PDF, 990 KB)

The Trust for Public Land, 2005

This handbook is intended for local governments, water suppliers, and community drinking water advocates. Topics covered include identifying opportunities for source water conservation, implementing source water conservation programs, and acquiring and protecting land to keep drinking water clean.

Stormwater Management (PDF, 130 KB)

International City/County Management Association, 2001

This report explains the concept of stormwater management and provides case studies that describe four communities' innovative stormwater activities. Sources of financial and technical assistance are provided.

This is Smart Growth (PDF, 4.6 MB)

International City/County Management Association and SGN, 2006

This publication illustrates and explains smart growth concepts and outcomes. The publication features 40 places around the country, from cities to suburbs to small towns to rural communities, where good development has improved residents' quality of life.

Trails and Greenways (PDF, 220 KB)

International City/County Management Association 2000

This report describes the experience of small towns, counties, and cities in planning, funding, constructing, and managing trails and greenways. It includes resources for planning and managing trails and greenways—from the initial idea through assessment of usage.

Trees: The Green Infrastructure (PDF, 2.3 MB)

International City/County Management Association, 2002

This report provides a road map for evaluating and promoting the function of trees as part of a community's physical infrastructure. It outlines a four-step approach to promote tree canopy growth and quantify the benefits to the community. Includes three case studies that illustrate approaches to improving green infrastructure.

Using GIS Tools to Link Land Use Decisions to Water Resource Protection (PDF, 982 KB)

National Association of Counties, 2007

This issue brief provides a list of commonly used GIS tools available to help county leaders link land use decisions to water resource protection. Five county case studies are profiled and a new tools assessment section evaluates some commonly available tools.

Using Smart Growth Techniques as Stormwater Best Management Practices (PDF, 1.7 MB)

U.S. Environmental Protection Agency, 2005

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

Water and Smart Growth: The Impacts of Sprawl on Aquatic Ecosystems (PDF, 1.2 MB)

Funders' Network for Smart Growth and Livable Communities, 2004

This paper makes the case that comprehensive land use reform can become the organizing principle of the nation's water quality agenda, suggesting strategies that can be taken at the regional, neighborhood, and site scales to protect aquatic resources.

Water Protection Toolkit for Local Officials: Connecting Land Use with Water Quality (PDF, 1.06 MB)

AWARE Colorado/League of Women Voters of Colorado Education Fund, 2006

This toolkit of research-based, non-advocacy information will help decision makers to better understand approaches to protecting water quality in their communities and watersheds.

Case Studies

(requires Adobe Reader)

Note: Many of the items listed under Fact Sheets, Publications, and Online Resource Collections also feature case studies.

Building Green Infrastructure (PDF, 1.1 MB)

The Trust for Public Land, 2000

This report presents the cases of four watersheds where land conservation is helping preserve water quality: Austin, Barnegat Bay, Mountain Island Lake, and Indian River Lagoon.

Lindsay Creek Watershed and Community Based Land Use Assessment

Redwood Community Action Agency, 2005

This strategy document is the result of a pilot process that integrates watershed assessment, public participation, and rural land use planning concepts. The strategy incorporates characteristics of a community plan, a watershed plan, and a community 'visioning' document. A handbook outlining the process is also available.

Preserving the Kishwaukee Watershed: Guiding Development In the Marengo-Union Region (PDF, 705 KB)

Campaign for Sensible Growth, 2007

The governments within the greater Marengo-Union areas have established a partnership to develop and implement a plan for collaboratively managing natural resources and growth. (Note: The Executive Summary is linked above; you may also download the Full Technical Report at www.cityofmarengo.com.)

Protecting Wetlands and Fostering Economic Growth: Lake County Illinois' Watershed Development Ordinance (PDF, 276 KB)

National Association of Counties, 2005

This fact sheet profiles Lake County Illinois' Watershed Development Ordinance. This ordinance demonstrates one method of balancing the protection of wetlands and water resources with economic development.

Stormwater Strategies: Community Responses to Runoff Pollution

Natural Resources Defense Council, 2001

This online report documents some of the most effective strategies being employed by communities around the country to control urban runoff pollution. The collection of 100 case studies compiled and evaluated here is intended to serve as a guide for local decision makers, municipal officials, and environmental activists, as well as citizens.

Wetlands and Watersheds: Six Case Studies (PDF, 100 KB)

International City/County Management Association, 1999

This report includes six case studies on local government management of wetlands and watersheds that provide ideas for mitigation, financing, building partnerships, working with regulatory agencies, reducing costs, and building public understanding and support.

Online Resource Collections

Field Guide to Transfer of Development Rights

National Association of Realtors

This online guide links to a multitude of resources on what transfer of development rights (TDR) are and how they work, issues in creating a successful TDR program, case studies, and more.

Green Values Stormwater Toolbox

Center for Neighborhood Technology

This Web site explains what green infrastructure is and does, and how it helps save money. It discusses the costs and benefits of using green infrastructure to mitigate the need for different types of built water infrastructure, such as sewers and detention basins.

Guide to Using Natural Resource Information in Local Decision Making

Minnesota Dept. of Natural Resources

This online guide illustrates how to collect and use natural resource information to make environmentally sensitive and fiscally responsible local land use decisions. Includes case studies of successful projects.

First Stop Shop for Water Resources

Local Government Commission

This Web site is a clearinghouse for information and resources related to the co-management of land and water resources.

Local Government Environmental Assistance Network

International City/County Management Association

LGEAN is a “first stop shop” providing environmental management, planning, funding, and regulatory information for local government elected and appointed officials, managers, and staff.

National Low Impact Development Clearinghouse

Low Impact Development Center

This Web-based clearinghouse allows researchers, practitioners, and program managers to collaborate and efficiently disseminate and share information with local governments, states, builders, developers, stakeholders, and environmental groups.

National Menu of Stormwater Best Management Practices

U.S. Environmental Protection Agency

This clearinghouse of stormwater best management practices (BMPs) is based on the Stormwater Phase II Rule’s six minimum control measures. BMPs are organized by control measure and can also be searched by keyword.

Pace Law School Land Use Library

Pace University

This online library contains articles and resources meant to present a sampling of legal views on a variety of land use issues, from water resource management to affordable housing.

Smart Growth Online

Smart Growth Network

Visit this online catalogue to find resources related to smart growth, searchable by keyword and organized by principle, issue, and state. Also check out recent news and upcoming events related to smart growth.

Southeast Watershed Assistance Network

Southeast Watershed Forum

SWAN is a clearinghouse for land and water protection resources and successful case studies in watershed protection, restoration, and management.

StormwaterAuthority.org

StormwaterAuthority, LLC

This site links to each state’s National Pollutant Discharge Elimination System (NPDES) Web site. Go to the small tab named “Regulatory Data” to select your state.

Stormwater Manager’s Resource Center

Center for Watershed Protection

This online resource center offers resources and technical assistance on stormwater management issues, including site design, impacts of urbanization, land use and conservation, stormwater management practices, and watershed stewardship.

Watershed and Wetland Protection Information Kit for County Officials

Center for Watershed Protection

This Web site is a collection of resources that can assist county and local officials with efforts to protect and restore the multiple benefits of their community’s water resources. Includes tools for watershed planning, restoration and assessment, wetlands protection, and urban forestry.

Model Codes and Ordinances

Gaining Ground Information Database

Pace Law School

An online research library for practical and scholarly explorations of innovative land use laws, regulations, and practices. The library has over 700 separate sample ordinances and other resources for local land use leaders, and more are added monthly.

Ground and Surface Water Ordinances

U.S. Environmental Protection Agency

This Web site provides model language for ground water and surface water ordinances.

Natural Resources Codes and Ordinances

AWARE Colorado

This Web site provides links to model ordinances for buffers, cluster development, designated growth areas, transfer of development rights, trees, and combined strategies.

Smart Growth Codes

American Planning Association

This online publication provides eleven model ordinances and regulations drafted by the American Planning Association, based on existing locally-enacted regulations, that will advance smart growth objectives.

News Articles and Sources

A Browner Shade of Green: The New Water Rules and the Next Chapter of Sprawl

Lisa Nisensen. *Planetizen*, 11 June 2007.

Is Smart Growth Better for Water Quality?

Janet Pelley. *Environmental Science and Technology*, 25 August 2004.

Getting Smart!

Smart Growth Network

This quarterly e-newsletter contains in-depth articles and case studies, tools and resources you can use, and the latest news about the people and places shaping smart growth. The newsletter is distributed to members of the Smart Growth Network. Click the link above to join the network for free.

Smart Growth News

Smart Growth Network

This collection of news stories is compiled by the Smart Growth Network. Browse recent smart growth news by location or date, or subscribe to a weekly email news update.

Watershed News

U.S. Environmental Protection Agency

Provides timely information to groups working at the watershed level. Search archives or subscribe to the weekly update.

Funding Information

Smart Growth Funding Opportunities

Smart Growth Network

Provides links to funding opportunities related to smart growth and livable communities.

Smart Growth Funding Sources

U.S. Environmental Protection Agency

Lists funding resources to assist local and state governments, communities, and non-governmental organizations who are addressing the varied aspects of smart growth.

Water Quality Funding

U.S. Department of Agriculture

Highlights information on funding for various types of projects affecting water.

Watershed Funding

U.S. Environmental Protection Agency

Contains links to tools, databases, and resources about grants and funding available to improve watershed health. Includes information specifically for local governments.

Resource Organizations

Center for Watershed Protection

CWP provides technical assistance for implementing state of the art plans in watershed planning, watershed restoration, stormwater management, watershed research, better site design, education and outreach, and watershed training. The center offers a number of technical tools, as well as publications and practice articles via its Web site.

The Conservation Fund

Through land acquisition, sustainable programs, and leadership training, the Fund and its partners demonstrate balanced conservation solutions that emphasize the integration of economic and environmental goals. Access publications and resources on land conservation, green infrastructure, and water protection via the Fund's Web site.

International City/County Management Association

ICMA provides technical and management assistance, training, and information resources in the areas of sustainability (including smart growth and environmental management), emergency management, performance measurement, and other topics.

Local Government Commission

LGC provides inspiration, technical assistance, and networking to local elected officials and other dedicated community leaders who are working to create healthy, walkable, and resource-efficient communities.

National Association of Counties

NACo provides educational and technical assistance to counties on a wide range of important issues, through publications, workshops, and examples of best practices.

National NEMO Network

The National NEMO Network is a confederation of 32 educational programs in 31 states dedicated to protecting natural resources through better land use and land use planning. The national network Web site provides links to the state programs and publications.

Smart Growth Network

The Smart Growth Network is a national network of people and organizations, working together to facilitate smart growth in neighborhoods, communities and regions across the United States. Membership is completely free.

The Trust for Public Land

TPL is a national, nonprofit, land conservation organization that conserves land for people, ensuring livable communities for generations to come. TPL offers a wealth of publications and resources on land conservation issues.

U.S. Environmental Protection Agency, Office of Smart Growth

Through research, tools, partnerships, case studies, grants, and technical assistance, U.S. Environmental Protection Agency's Office of Smart Growth helps communities grow in ways that expand economic opportunity, protect public health and the environment, and create and enhance the places that people love.

U.S. Environmental Protection Agency, Office of Water

The U.S. Environmental Protection Agency's Office of Water protects human health and water quality through regulation, funding and grants, publications, and training.



Leaders at the Core of Better Communities