



Bureau of Water Protection and Land Reuse Resources for Municipalities

Watershed Management and LID Support Resources:

CT DEEP Watershed Management Program at 860-424-3047 or
www.ct.gov/deep/watershed

CT DEEP's approved Watershed Based Plans and Rainfall as a Resource: Resident's Guide to LID in Connecticut brochure series can be found at:

www.ct.gov/dep/cwp/view.asp?a=2719&q=379296&depNav_GID=1654

The 2004 Connecticut Stormwater Quality Manual provides guidance on utilizing Low Impact Development techniques in development plans:

www.ct.gov/dep/cwp/view.asp?a=2721&q=325704&depNav_GID=1654

UCONN's Nonpoint Education for Municipal Officials (NEMO) website provides tools, resources, publications and more: www.nemo.uconn.edu

Jordan Cove Urban Watershed Monitoring Project discusses the creation of a Low Impact Development neighborhood in Connecticut: jordancove.uconn.edu/

The Jordan Cove Urban Watershed Monitoring Project web site offers testimonials from planners, engineers, public works and others about their experience with an LID neighborhood at jordancove.uconn.edu/jordan_cove/testimonials.html

The Connecticut Department of Energy and Environmental Protection DEEP Landscape Stewardship Program, including: Tools for Towns and Cities

www.ct.gov/deep/landscapestewardship

CT DEEP Municipal Primer for download: www.ct.gov/deep/cwp/view.asp?a=2703&q=423114

Other Watershed Management and LID Resources:

The Prince George's County LID Manual offers assistance with site planning and LID design at: www.epa.gov/nps/lidnatl.pdf

The EPA LID web site provides fact sheets, reports, design and guidance manuals:

water.epa.gov/polwaste/green/index.cfm

The EPA's Watershed Academy Webcast Seminar Archives contain 2 hour webcasts on a variety of LID topics: www.epa.gov/watershedwebcasts/

The EPA's National Pollutant Discharge Elimination System (NPDES) program archives webcasts on green infrastructure at: cfpub2.epa.gov/npdes/outreach.cfm?program_id=0&otype=1

The University of New Hampshire Stormwater Center studies the effectiveness of a variety of LID demonstration projects. Information can be found at: www.unh.edu/erg/cstev/

The Low Impact Development Center was established to develop and provide information to individuals and organizations dedicated to protecting the environment and water resources through proper site design techniques that replicate pre-existing hydrologic site conditions. www.lowimpactdevelopment.org/

LID for Big Box Retailers was developed with input from a major big box retail corporation. This EPA-funded manual is designed to provide large building and site footprint high volume retailers with strategies that integrate innovative and highly effective LID stormwater management techniques into their site designs for regulatory compliance and natural resource protection. lowimpactdevelopment.org/bigbox/

The Stormwater Manager's Resource Center (SMRC) is designed specifically for stormwater practitioners, local government officials and others that need technical assistance on stormwater management issues. www.stormwatercenter.net/

Streaming video program on LID, Reining in the Storm - One Building at a Time: This engaging 30 minute film explains low impact development to the uninitiated. It is ideally suited for educating local government officials and key decision-makers on the merits of low impact development in a way that breaks down barriers for adoption of these practices and directly addresses real concerns. www.clu-in.org/studio/reining.cfm

The National Association of Local Government Professionals Webcast on LID and Watershed Management is archived at www.nalgep.org/calendar/Index.cfm?Page=1&EventsID=4888

Green Infrastructure:

EPA Green Infrastructure tools section includes Cost-Benefit Resources, Funding Opportunities, Policy Guides, Design and Implementation Resources, Modeling Tools, and utilization in Regulatory Programs: water.epa.gov/infrastructure/greeninfrastructure/index.cfm

The EPA's Green Streets Program includes multi-purpose design techniques that concurrently manage stormwater runoff, calm traffic, and enhance community aesthetics and "sense of place" for residents. www.epa.gov/owow/podcasts/greenstreetsusa.html

The Green Values Stormwater Toolbox web site, hosted by the Center for Neighborhood Technology, features a green values stormwater calculator and other resources related to green infrastructure. It also provides online access to their pocket guide Water: From Trouble to Treasure. greenvalues.cnt.org/

The Green Infrastructure Public Gallery showcases a photo gallery of green infrastructure projects. picasaweb.google.com/buildgreeninfrastructure

Incorporating LID into Local Land Use Regulations

The EPA's Water Quality Scorecard can assist in identifying and removing barriers to LID in local land use regulations: www.epa.gov/smartgrowth/water_scorecard.htm

The Center for Watershed Protection's Codes and Ordinances Worksheet can assist in evaluating local codes and ordinances that shape development in local communities: www.cwp.org/store/free-downloads.html

LID Best Management Practices – Rain Gardens, Connecticut Information:

CT DEEP's Resident's Guide to Rain Gardens in Connecticut brochure can be found at: www.ct.gov/deep/lib/dep/water/watershed_management/wm_plans/lid/what_is_a_rain_garden.pdf

The UCONN Cooperative Extension System's guide to building a rain garden:
www.nemo.uconn.edu/tools/stormwater/pdf/rain_garden_design_guide.pdf

Planting Information:

The Connecticut Native Tree and Shrub Availability List published by the CT DEEP:
www.ct.gov/deep/lib/dep/wildlife/pdf_files/habitat/ntvtree.pdf

DEEP's information on invasive species:
www.ct.gov/deep/invasivespecies

The Connecticut Native Plant and Resource List by the US DOT Federal Highway Administration:
environment.fhwa.dot.gov/ecosystems/vegmgmt_rd_ct.asp

Local Connecticut Examples:

CT NEMO LID Inventory
nemo.uconn.edu/tools/lid/index.htm

Town of Coventry Rain Garden Demonstration:
www.thamesriverbasinpartnership.org/coventry.raingarden.htm

Other Resources:

The Vermont Rain Garden Manual:
www.vermontconservation.org/images/stories/vtraingardenmanual.pdf

The Wisconsin Department of Natural Resources Rain Garden Manual:
clean-water.uwex.edu/pubs/pdf/rgmanual.pdf

The USDA Natural Resource Conservation Service has information about rain gardens at:
www.ct.nrcs.usda.gov/elc-educational_materials.html

LID Best Management Practices – Rain Barrels, Connecticut Information:

CT DEEP's Resident's Guide to Rain Barrels in Connecticut brochure can be found at:
www.ct.gov/deep/lib/dep/water/watershed_management/wm_plans/lid/what_is_a_rain_barrel.pdf

Information on How to Construct a Rain Barrel

Center for Watershed Protection's How to Build and Install a Rain Barrel Fact Sheet:
www.cwp.org/images/stories/RainBarrelGarden.pdf

Other Resources:

Maryland Environmental Design Program: www.dnr.state.md.us/ed/rainbarrel.html

The Texas Manual on Rainwater Harvesting:
www.twdb.state.tx.us/publications/reports/RainwaterHarvestingManual_3rdedition.pdf

The Water Environment Research Foundation (WERF) developed a comprehensive resource site to encourage sustainable stormwater practices that caters to several distinct audiences of decision makers, engineers and landscape designers. The site includes case studies, an educational toolbox and resource links at www.werf.org/livablecommunities/

The EPA's Municipal Handbook - Rainwater Harvesting Policies:
water.epa.gov/infrastructure/greeninfrastructure/upload/gi_munichandbook_harvesting.pdf

The EPA's WaterSense Program: www.epa.gov/watersense/

The American Rainwater Catchment Systems Association: www.arcsa.org/

Information on the link between energy use and water: www.rivernetwork.org/water-energy-nexus

**LID Best Management Practices – Pervious Pavements:
Connecticut Information**

NEMO's Planning for Stormwater web page: nemo.uconn.edu/tools/stormwater/pavements.htm

UNH Stormwater Center Resources:

Publications, Specifications, and Information on Pervious Pavements including Winter Maintenance Guidelines for Porous Pavements: www.unh.edu/unhsc/specs-and-fact-sheets-0

EPA Resources:

The EPA's Green Infrastructure Design Resources
http://water.epa.gov/infrastructure/greeninfrastructure/gi_design.cfm

Other Resources:

Articles on pervious pavements in the journal Stormwater:
www.stormh2o.com/SW/Search.aspx?search=pervious

**LID Best Management Practices – Green Roofs:
Connecticut Information**

NEMO's Planning for Stormwater web page: nemo.uconn.edu/tools/stormwater/green_roof.htm

Urban Green Roof Initiatives

Green Roofs for Healthy Cities Web Site: www.greenroofs.org/

City of Chicago Green Roof Web Site:
www.artic.edu/webspaces/greeninitiatives/greenroofs/main.htm

City of Toronto Green Roof Web Site:
www.toronto.ca/greenroofs/

Water Quality and Quantity Benefits of Green Roofs

Green Roofs in Washington, D.C.
<http://ddoe.dc.gov/greenroofs>

EPA Resources

The EPA's Green Roof / Urban Heat Island links:
www.epa.gov/hiri/resources/links.htm#greenroofs

Cost Benefit Analysis

An economic analysis of the benefits of green roofs: www.erb.umich.edu/News-and-Events/colloquium_papers/Clarketal.pdf

LID Urban Design Tools – Green Roofs
www.lid-stormwater.net/greenroofs_benefits.htm

Green Roofs.com Resource Web Site:
www.greenroofs.com/

Funding Sources for Watershed, Stormwater, and Low Impact Development Projects

The CT DEEP web site provides links to funding and assistance resources at:
www.ct.gov/deep/watershed

In conformance with the ADA individuals with disabilities who need this information in an alternative format, to allow them to benefit and/or participate in the agency's programs and services, should call (860)-424-3051 or (860) 418-5937 or e-mail Marcia Z. Bonitto, ADA Coordinator, at: Marcia.Bonitto@ct.gov. Persons who are hearing impaired should call the State of Connecticut relay number (711). Requests for accommodations must be made at least two weeks prior to the program date.