



Bureau of Water Protection and Land Reuse Green Infrastructure and Low Impact Development Resources for Municipalities

CT DEEP Watershed Management Program Contact DEEP Watershed Program at (860) 424-3716 or www.ct.gov/deep/watershed

Municipal Outreach for Green Infrastructure and Low Impact Development
www.ct.gov/deep/cwp/view.asp?a=2719&q=464958&deepNav_GID=1654

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/deep/cwp/view.asp?a=2719&q=379296&deepNav_GID=1654

DEEP Stormwater General Permits and Incorporation of Low Impact Development, Final Report
www.ct.gov/deep/lib/deep/water/nps/swgp/finalreport_swgplid.pdf

The 2004 Connecticut Stormwater Quality Manual provides guidance on utilizing Low Impact Development techniques in development plans:
www.ct.gov/deep/cwp/view.asp?a=2721&q=325704&deepNav_GID=1654

Low Impact Development Appendix to Connecticut Stormwater Manual
www.ct.gov/deep/lib/deep/water/nps/swgp/lid_stormwaterfinal.pdf

Low Impact Development Appendix to Connecticut Erosion and Sediment Control Manual
www.ct.gov/deep/lib/deep/water/nps/swgp/lid_soilerosionfinal.pdf

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

Additional LID and Green Infrastructure Resources:
UCONN CLEAR Center's Nonpoint Education for Municipal Officials (NEMO) website provides tools, resources, publications and more: www.nemo.uconn.edu

EPA's Soak Up the Rain, a campaign to raise awareness about the problem of polluted stormwater runoff and to encourage citizens and municipalities to take action to reduce runoff and its

impacts.

www.epa.gov/soakuptherain

The EPA's Watershed Academy Webcast Seminar Archives contain 2 hour webcasts on a variety of LID topics www.epa.gov/watershedacademy/watershed-academy-webcast-seminars

The EPA's National Pollutant Discharge Elimination System (NPDES) program archives webcasts on green infrastructure at www.epa.gov/npdes/npdes-stormwater-webcasts

Reduce Runoff: DEEP funded Connecticut Fund for the Environment, UCONN NEMO, and USGS collaboration

www.reducerunoff.org

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/unhsc

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

The Center for Watershed Protection provides a great deal of guidance for managers of stormwater programs. www.cwp.org/stormwater-management

The 2009 Prince George's County Bioretention Manual:

www.ct.gov/deep/lib/deep/p2/raingardens/bioretention_manual_2009_version.pdf

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

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: www.epa.gov/green-infrastructure

The EPA's G3 Program Green Streets, Green Jobs, Green Towns 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/G3

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. <http://greenvalues.cnt.org>

Local Water Policy Innovation: A Road Map for Community Based Stormwater Solutions
www.epa.gov/sites/production/files/2015-10/documents/gi_localwaterinnovation.pdf

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/deep/water/watershed_management/wm_plans/lid/what_is_a_rain_garden.pdf

The UCONN Cooperative Extension System's guidance on rain gardens:

nemo.uconn.edu/raingardens/index.htm

Planting Information:

The Connecticut Native Tree and Shrub Availability List published by the CT DEEP:

www.ct.gov/deep/lib/deep/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 Atlas

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: vermontconservation.org/view/rain-garden-manual

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

water.uwex.edu/pubs/pdf/rgmanual.pdf

The USDA Natural Resource Conservation Service has site and soil assessment information for rain gardens at:

www.nrcs.usda.gov/wps/portal/nrcs/detail/ct/homeowner/?cid=nrcs142p2_011073

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/deep/water/watershed_management/wm_plans/lid/what_is_a_rain_barrel.pdf

Other Resources:

Maryland Environmental Design Program:

<http://dnr.maryland.gov/criticalarea/Documents/PDF/Home/BackyardMakeover.pdf>

The Texas Manual on Rainwater Harvesting:

www.twdb.texas.gov/publications/brochures/conservation/doc/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

EPA Performance of Green Infrastructure: www.epa.gov/green-infrastructure/performance-green-infrastructure

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

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

LID Best Management Practices – Pervious Pavements:

CT NEMO's guidance on pervious pavement nemo.uconn.edu/tools/pervious.htm

UNH Stormwater Center Resources:

Publications, Specifications, and Information on Green Infrastructure and Pervious Pavements including updated maintenance fact sheets: www.unh.edu/unhsc/specs-and-fact-sheets-0

EPA Resources:

The EPA's Green Infrastructure Design Resources www.epa.gov/green-infrastructure/green-infrastructure-design-and-implementation

Other Resources:

Articles on pervious pavements in the journal Stormwater: www.foresternetwork.com/search-results/?q=pervious+pavement

LID Best Management Practices – Green Roofs: Connecticut Information

NEMO's Planning for Stormwater web page: nemo.uconn.edu/tools/green-roofs.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., ddoe.dc.gov/greenroofs

EPA Soak Up the Rain Green Roofs

www.epa.gov/soakuptherain/soak-rain-green-roofs

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

LID Urban Design Tools – Green Roofs

www.lid-stormwater.net/greenroofs_benefits.htm

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.