



Managing Wet Weather with Green Infrastructure

a periodic update on activities

Volume 2009, Issue 4

August 2009

GREEN VALUES® NATIONAL STORMWATER MANAGEMENT CALCULATOR

The Center for Neighborhood Technology recently released their [National Green Values® Stormwater Calculator](#), a tool for quickly comparing the performance, costs, and benefits of Green Infrastructure to conventional stormwater practices. The GVC is designed to take you step-by-step through a process of determining the average precipitation at your site, choosing a stormwater runoff volume reduction goal, defining the impervious areas of your site under a conventional development scheme, and then choosing from a range of green infrastructure management practices to find the combination that meets the necessary runoff volume reduction goal in a cost-effective way. Engineers, architects, planners, land owners and others can see how various green infrastructure practices can achieve runoff volume reductions. The Green Values® Calculator also estimates annual and life cycle benefits of reduced air pollutants, carbon dioxide sequestration, compensatory value of trees, groundwater replenishment, reduced energy use, and reduced water treatment benefits. The Calculator provides output in a printable format, and data output can also be saved and shared via creating a permanent link. The National Green Values® Stormwater Calculator is built upon their existing Stormwater Calculator, which is still available as part of the [Green Values® Stormwater Toolbox](#).



The American Society of Landscape Architects [2009 Professional Awards](#) includes some notable green infrastructure project recipients, such as the [Trinity River Corridor Design Guidelines](#) for Dallas, Texas. The project will dramatically improve the current floodway and turn it into a 9-mile urban park, fostering mixed-use and transit oriented development in Dallas. (Photo: Wallace Roberts & Todd, LLC (WRT))

Contacts

EPA Headquarters
Jenny Molloy, OW/OWM
molloy.jennifer@epa.gov
Robert Goo, OW/OWOW
goo.robert@epa.gov
Brian Joffe, OECA
joffe.brian@epa.gov

EPA Regions

Katie Connors, R1
connors.katie@epa.gov
Stephen Venezia, R2
venezia.stephen@epa.gov
Dominique Lueckenhoff, R3
lueckenhoff.dominique@epa.gov
Maryann Gerber, R4
gerber.maryann@epa.gov
Bob Newport, R5
newport.bob@epa.gov
Suzanna Perea, R6
perea.suzanna@epa.gov
Mandy Whitsitt, R7
whitsitt.mandy@epa.gov
Greg Davis, R8
davis.gregory@epa.gov
John Tinger, R9
tinger.john@epa.gov
Krista Mendelman, R10
mendelman.krista@epa.gov

Steering Committee Partners

Nancy Stoner, [NRDC](#)
Nathan Gardner-Andrews &
Keith Jones, [NACWA](#)
Chris Kloss & Neil Weinstein,
[LID Center](#)

For more information on managing wet weather with green infrastructure see the website at: www.epa.gov/greeninfrastructure. To be added to an e-mail distribution list for future issues of this bulletin, or if you have items of interest to be considered for inclusion in future issues, send an e-mail request to arazan.nancy@epa.gov.

State of Illinois passes and signs into law the Green Infrastructure for Clean Water Act, effective June 30 2009!

By June 30, 2010, the Green Infrastructure for Clean Water Act requires the Illinois EPA, the Department of Natural Resources (DNR), the Department of Transportation (IDOT), stormwater management agencies, & other interested parties that the Agency deems appropriate to include, to submit a report to the Governor & the General Assembly that reviews the latest available scientific research and institutional knowledge to evaluate & document the following: 1) the nature & extent of stormwater impacts on water quality in IL watersheds; 2) potential urban stormwater standards to address flooding, water pollution, stream erosion, habitat quality, & the effectiveness of green infrastructure practices to achieve such standards; 3) the prevalence of green infrastructure use in IL; 4) the costs & benefits of green versus grey infrastructure; 5) existing & potential new urban stormwater management regulatory programs, methods, & feasibility of integrating a state program with existing & potential regional & local programs in IL; 6) findings & recommendations for adopting an urban stormwater management regulatory program which includes such standards & encourages the use of green infrastructure; and 7) the feasibility & consequences of devoting 20% of the State's Water Revolving Program to green infrastructure water & energy efficiency on a long-term basis.

Partner Features

[American Rivers](#) has recently developed a Stormwater Communications Tutorial now available [online](#). Have you ever talked to a local leader and had their eyes glaze over when you began to talk about stormwater? When you say green infrastructure what are people hearing? If either of these questions interests you then you will benefit from the results of American Rivers' research on how to develop a message about stormwater to prompt local leaders to take action for smarter stormwater solutions. American Rivers' interviewed and tested message concepts with a variety of local leaders around the Chesapeake Bay region and have developed a process that you can use to create a message to enhance your advocacy strategy. While the research was conducted in the Mid-Atlantic, the lessons learned are broadly applicable to communications and messaging work for clean water. Visit the [American Rivers website](#) to watch or download the [tutorial](#).

The [Green Infrastructure Partnership](#) page has a new look! We ask our signatories and other interested parties to revisit the [Partnership page](#) on EPA's green infrastructure website to connect with others in your state and region.

Upcoming Forums & Events

Florida Stormwater Association: Improving Water Quality Through LID and BMPs. September 11, 2009. Orlando, Florida [Link](#)

American Rainwater Catchment Systems Association Conference. September 12-16, 2009. Decatur, Georgia. [Link](#)

Strategic Conservation Planning Using a Green Infrastructure Approach. September 14-18, 2009. Shepherdstown, WV. [Link](#)

Green Infrastructure for Clean Water: Strategies for Planning, Engineering, and Maintenance. September 24-25, 2009. University of Minnesota Arboretum. [Link](#)

2009 Pennsylvania Stormwater Management Symposium. October 14-15, 2009. Philadelphia PA. [Link](#)

Managing Wet Weather with Green Infrastructure, pre-conference workshop for Water and Land Use in the Pacific Northwest. November 2, 2009. Stevenson, WA. [Link](#)

Managing Wet Weather with Green Infrastructure. November 4, 2009. Richfield, OH. [Link](#)

Managing Wet Weather with Green Infrastructure. November 5-6, 2009. Toledo, OH. [Link](#)

New Publications

[Green Streets: a Conceptual Guide to Effective Green Streets Design Solutions](#). US EPA. Aug 2009

[Managing Wet Weather with Green Infrastructure: Water Quality Scorecard](#). US EPA. Aug 2009.

[A Clear Blue Future: How Greening California Cities Can Address Water Resources and Climate Challenges in the 21st Century](#). By DS Beckman, N. Garrison, RC Wilkinson, PhD, and R. Horner. Aug 2009.



Green roof park covering multi-lane highway underneath. Reduces air and noise pollution and improves stormwater management. Linz, Austria.