

FY11 RFA Awards

Demonstration of Trash Reduction Technologies in the Anacostia River Watershed

Grantee: Anacostia Riverkeeper, www.anacostiariverkeeper.org
Award Amount: \$220,000
Grantee Match: \$25,700

Anacostia Riverkeeper (ARK) coordinates the installation and ongoing maintenance of two (2) Bandalong Litter Traps in the Anacostia River Watershed. The traps are installed at Marvin Gaye Park and at the James Creek Marina outfall, and they capture trash flowing into the Anacostia River from sources upstream and within the District. Groundwork Anacostia River DC removes the trash, and then evaluates and quantifies each haul, keeping data on the types and weight of trash loads entering District waters. Both organizations work together to educate District residents about the impacts of trash on the Anacostia River. These traps and one installed by Anacostia Watershed Society in 2008 are fully support by revenues from the \$.05 Bag Law.



DC Green Roof Rebate Program

Grantee: AWS, www.anacostiaws.org
Award Amount: \$450,000
Grantee Match: \$80,263

Green Roofs lessen the impact of stormwater runoff on the District's waterways by managing the volume, velocity and pollutant load of stormwater runoff. The District recognized the technical and economic benefits of green roofs in the early 2000s, and began supporting their development through financial incentives to building owners. The 2011 green roof rebate program provides base funding of \$5 per square foot of green roof installed.

Anacostia Watershed Society informs District property owners about green roof technology and the DC Green Roof Rebate Program and ensures that rebate funds are distributed in their entirety, thereby increasing the square footage of new and retrofit green roofs installed in the District.



Low Impact Development Green Infrastructure Demonstration - EmpowerHouse

Grantee: Parson's New School of Design, <http://parsit.parsons.edu/our-house>
Award Amount: \$114,000
Match: \$1,500,000 (represents grantee contribution plus additional sources of funding)

Parson's students are working with Habitat for Humanity, D.C. Housing and Community Development, Groundwork Anacostia River DC and DDOE to build two homes at 4609 and 4613 Gault Place, NE, Washington DC, with ZERO ENERGY USE and ZERO STORMWATER RUNOFF. The houses are a duplex, sited one block off Nannie Helen Burroughs Avenue in the Deanwood community, and borders Watts Branch, largest tributary to Anacostia River. Two local families worked with Habitat for Humanity to become the homeowners. They are being trained in the use and maintenance of the stormwater features to ensure their continued utility.



Watershed Explorations Meaningful Watershed Education Experience

Grantee: Living Classrooms, www.livingclassrooms.org
Award Amount: \$35,000
Grantee Match: \$6100

Living Classrooms of the National Capital Region (LC-NCR) is providing 18 DC Public Schools classes with a hands-on, outdoor experience linking students to the Potomac River, the Anacostia River and Chesapeake Bay watershed. The activities of this program are aligned with District Public School standards for teaching and learning. Students participate in a field experience and perform scientific experiments.



Overnight Meaningful Watershed Education Experience (MWEE) for 300 4th and 5th graders in DC

Grantee: Alice Ferguson Foundation (AFF), www.fergusonfoundation.org
Award Amount: \$31,419
Grantee Match: \$9,000

AFF educators travel to classrooms to conduct preparatory and reflection lessons before and after students have completed field-studies at AFF's Hard Bargain Farm (HBF) Environmental Center. The Overnight MWEE is a two-day, one-night field study experience at HBF that involve macroinvertebrate sampling, soils investigations, data collection, analysis and reflection. Each trip also includes a habitat hike; a canoe trip; and a farm and garden exploration. Some overnights incorporate a service project.



Trash Focused Meaningful Watershed Education Experience (MWEE)

Grantee: Alice Ferguson Foundation (AFF), www.fergusonfoundation.org
Award Amount: \$33,160
Grantee Match: \$10,225

As a part of the *Trash Free Potomac Watershed Initiative*, AFF has been working with the community of Deanwood, DC to create a *Trash Free Community*. To expand on this engagement, 240 students in and around the community of Deanwood are participating in the first District of Columbia pilot to become a *Trash Free School*.

Working in the classrooms and at Hard Bargain Farm Environmental Center Activities, AFF are leading a field study, involving issue investigation, data collection and analysis, and reflection. Topics of study include waste management education, and assessing watershed health. Students are conducting two service projects: trash removal from the Potomac River shore; and a schoolyard cleanup.



District Pervious Paver and Rain Garden Rebate Demonstration

Grantee: Alliance for the Chesapeake Bay, www.allianceforthebay.org
Award Amount: \$60,000
Match: Consists of Homeowner investments – amount unknown.

The goal of the program is to increase the number of residential best management practices that help improve local water quality, specifically through the reduction of stormwater runoff. To augment the RiverSmart Homes program, which encourages District homeowners to use techniques to control non-point source pollution on their properties, the RiverSmart Rebate program helps homeowners to expedite installation of their rain garden and pervious pavers installations.

Through this rebate program, the homeowner may bypass the current RiverSmart Homes audit process, contract directly with a participating RiverSmart subcontractor, and apply for a \$500.00 rebate.



Rain Barrel Rebate

Grantee: DC Greenworks, www.dcgreenworks.org
Award Amount: \$20,000
Match: n/a

This project helps improve the quality and reduce the quantity of stormwater reaching the District's waterways by helping property owners to use and to realize the benefits of above ground rain barrels. District property owners are encouraged to purchase and install a rain barrel through the incentive of a rebate ranging from \$50 to \$100 dollars, depending on the size of the barrel. DC Greenworks provides outreach and education to District residents; verifies the installation of rain barrels; awards the rebates; provide rebate recipients with instructions for care and use of rain barrels; collects data on outputs; and provides analysis of the environmental benefit and project success.

RAIN BARREL REBATE

Receive up to \$100 back to install a rain barrel to collect rain water from your rooftop.

What is a rain barrel?

Rain barrels capture and store the rainwater running off your rooftop. The harvested rainwater can be used immediately or stored for later use to water your lawn and landscaped areas, fill ponds or fountains, or wash your car.



To receive the rebate:

1. **Download** application materials from www.dcgreenworks.org or request by calling (202) 518-6195.
2. **Assess** your site to determine location, volume, and type of barrel based on the information in "Choosing the Right Barrel and Downspout"
3. **Purchase** a barrel from the approved list on the reverse side of this flyer *
4. **Install** the barrel. See "Instructions for Installing Rain Barrels" for assistance.
5. **Submit** the rebate application, receipt, and before and after pictures to DC Greenworks.

How much is the rebate?

\$100— For rain barrels that hold 75 gallons or more
\$50— For rain barrels with a capacity of 50-74 gallons **

* Limit of two (2) rain barrel rebates per property

**Rain barrels less than 50 gallons are not eligible for rebate

Which rain barrels are eligible for the rebate?

Revised Stormwater Guidebook Training

Grantee: Center for Watershed Protection (CWP), www.cwp.org
Award Amount: \$25,000
Match: none

DDOE has published a revised *Stormwater Management Guidebook* (Guidebook) with standards and specifications for the Stormwater Management Practices (SMPs) to be employed to meet District laws and regulations. The revised Guidebook expands the universe of allowable SMPs, incorporating practices that make use of rooftops and landscaped areas, such as green rooftops and planters, allowing for infiltration practices such as permeable paving, and providing guidance on rainwater harvesting and reuse, to provide treatment and storage of stormwater runoff. CWP is holding trainings to educate DDOE plan review staff, inspectors, project managers, project managers from other District agencies, and partners from the nonprofit community as well as the design/engineering/building construction communities, on how to use the revised Guidebook.

The revised Guidebook also proposes regulations for stormwater retention credit trading and in-lieu-of fee. CWP is providing an economic analysis of the regulations; attending public meetings on this topic to consider the public response; and providing DDOE with recommendations for further development.



RiverSmart Communities Demonstration

Grantee: Anacostia Watershed Society (AWS), www.anacostiaws.org
Award Amount: \$120,000
Match: \$20,600 plus property owner investments

The RiverSmart Communities Demonstration Project is a pilot designed to install Low Impact Development (LID) Best Management Practices (BMP) at existing multifamily properties and houses of worship where the demonstration will be viewed by many people and the quantities of stormwater treated will be large. DDOE and AWS vet prospective projects; and AWS contracts for the design and installation of approved BMP showcase projects. Residents, owners and managers of multi-family residential housing and houses of worship can request LID stormwater BMPs such as rain gardens, BayScaping, pervious pavement, rain barrels, and shade trees to control nonpoint source pollution on their property.



RiverSmart Schools: Stormwater Treatment Training for Teachers and Students

Grantee: Anacostia Watershed Society (AWS), www.anacostiaws.org

Award Amount: \$60,000 DDOE

Grantee Match: \$196,444

RiverSmart Schools landscapes were designed for two purposes: to provide quality and quantity treatment of schoolyard stormwater, and to be used by the school to support education on: nonpoint source pollution and Low Impact Development (LID) methods of reducing stormwater runoff; the impact of nonpoint source pollution on the Anacostia and Potomac Rivers; native plants, trees, habitat, conservation landscaping practices and soil science; and stewardship of natural resources.

AWS is training 30 teachers and engaging 750 students on the maintenance and educational uses of 10 Schoolyard Conservation Sites. The curriculum used for RiverSmart School sites is designed to support DCPS math, science and reading standards.



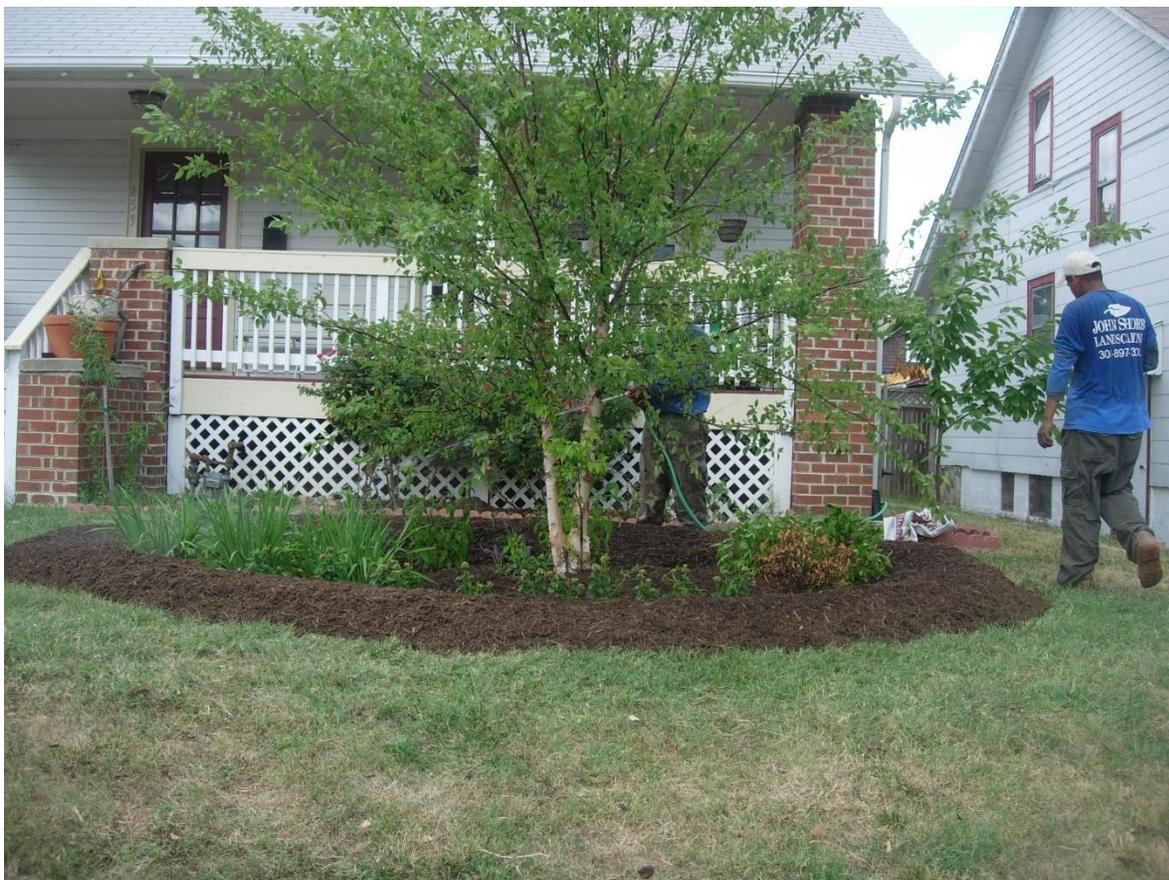
RiverSmart Homes Program

Grantee: Alliance for the Chesapeake Bay (ACB), www.allianceforthebay.org
Award Amount: \$500,000
Match: \$24,000

RiverSmart Homes targets homeowners to encourage them to use techniques to control non-point source pollution. The aim of the program is for homeowners to install low-cost residential best management practices (BMP) that will help improve local water quality, specifically through the reduction of stormwater runoff. RiverSmart Homes offers above ground cisterns (rain barrels), rain gardens, large shade trees, BayScaping and pervious paving systems.

ACB serves as the liaison between the homeowner and the contractor to cause the design and installation of permeable paving, rain gardens and BayScaping. The Alliance's responsibilities also include: administering all financial transactions between the homeowner and the contractor including collection of the homeowner match for installation; keeping records of installations, contractors, and maintenance agreements; and completion of progress reports. The Alliance works with DDOE to co-host contractor trainings as appropriate.

More information is available at <http://ddoe.dc.gov/service/riversmart-homes-overview>



RiverSmart Homes Rain Barrel Installation Program

Grantee: DC Greenworks, www.dcgreenworks.org
Award amount: \$349,770
Match: \$30,000

As a partner in the RiverSmart Homes program, DC Greenworks is installing 1000 rain barrels on private properties in the District, and in the process, educating the property owners about stormwater issues and empowering them to protect their local waterways.

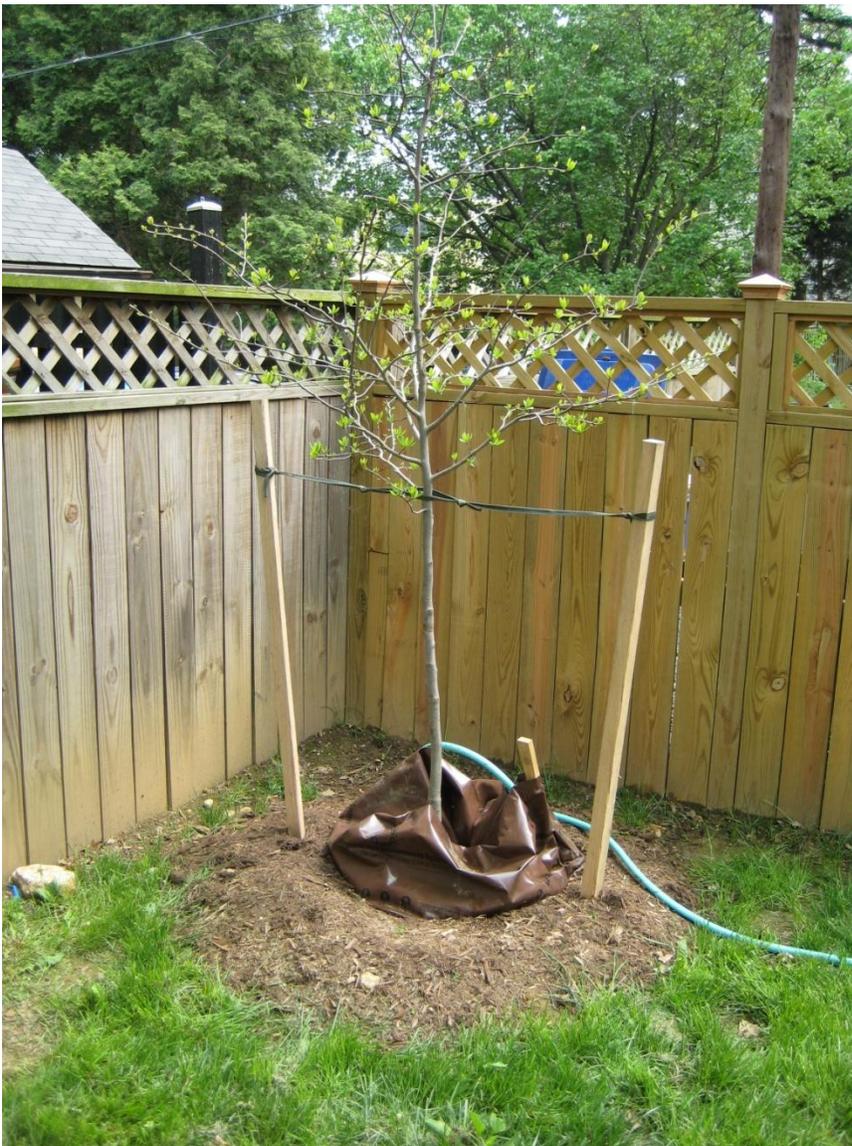
The installed rain barrels help to improve the quality and reduce the quantity of stormwater reaching the District's waterways.



RiverSmart Tree Installation

Grantee: Casey Trees, www.caseytrees.org
Award Amount: \$156,000
Match: \$22,950

This is a new award to continue the tree plantings Casey Trees has performed from 2009-2011 under the RiverSmart Homes program. With the awarded funding, Casey Trees is planting at least 500 shade trees on private properties in the District; training property owners in proper tree care; providing education on the tree's role in preventing nonpoint source pollution; and geo-tracking the results.



District of Columbia Tree Rebate program

Grantee: Casey Trees, www.caseytrees.org
Award Amount: \$50,000
Match: \$52,125

The rebate program continues to encourage and reward individual property owners to more actively engage in stewardship activities and tree care on their own properties by buying and planting their own trees. Trees planted through this cost-share program by individual property owners have a higher survival rate and greater probability of getting established, because of the investment of time, resources and energy they have made to purchase and plant their own tree. As these trees mature, they will provide stormwater reductions, erosion controls and increased tree canopy. At least 750 tree rebate requests are being awarded through this program.



Watershed Stewardship Academy

Grantee: Anacostia Watershed Society (AWS), www.anacostiaws.org
Award Amount: \$50,000
Grantee Match: \$261,000
Additional Funding: \$29,999

AWS is providing a 12 week course, in which experts teach 30 District residents about watershed issues and develop their ability to lead the community in efforts to increase stormwater capture and treatment. The participants graduate as “Watershed Stewards” after completing a class project and a Capstone project, addressing previously identified stormwater issues in the District. Watershed stewards are expected to engage the community by educating neighbors about the problems caused by stormwater runoff, and implementing projects to mitigate stormwater pollution.



Watts Branch Post-Construction Macroinvertebrate Monitoring

Grantee: Metropolitan Washington Council of Governments (MwCOG),
www.mwco.org
Award Amount: \$30,000
Grantee Match: \$15,000

The District Department of the Environment (DDOE), in coordination with the DC Department of Parks and Recreation, the US Fish and Wildlife Service, and the Natural Resources Conservation Service implemented a stream restoration project that restored 1.7 miles of Watts Branch by reducing erosive forces, expanding the riparian tree cover, and creating conditions conducive to restore fish and wildlife habitat.

DDOE wants to determine the impact of the stream restoration project on the macroinvertebrate and fish population in Watts Branch. To this end, MwCOG is conducting three (3) years of macroinvertebrate and fish population monitoring to gain a comprehensive understanding of macroinvertebrate and fish population characteristics in Watts Branch; and report on that, providing DDOE with an increased understanding of how stream restoration work affects macroinvertebrate and fish populations.

