



Water Conservation in the City of Camden



Chris Waldron
Director of Sustainability
Camden County, NJ



- 228 Square Miles
- Over 500,000 Residents
- 37 Very Diverse Municipalities
- Governed by a Board of Chosen Freeholders
- 8 County Agencies
- 19 Departments

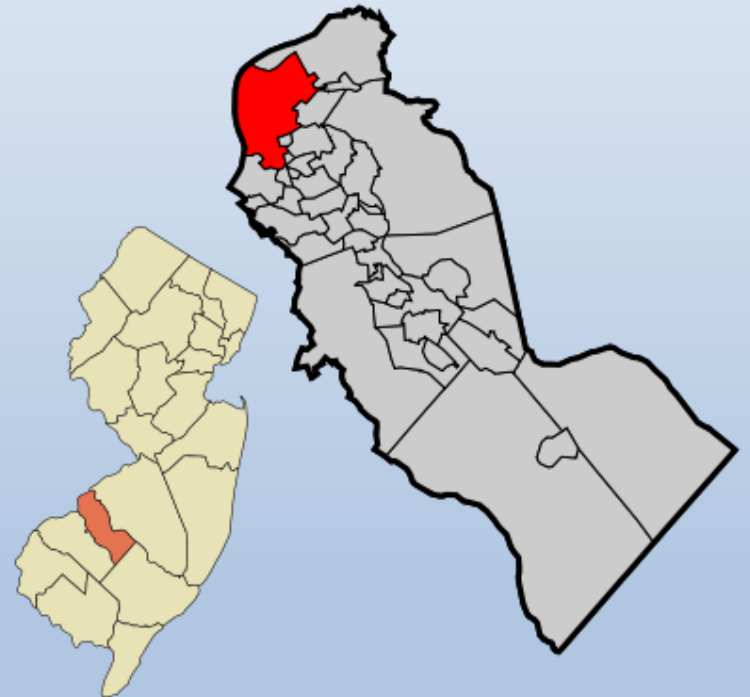


City of Camden

- 80,000 residents
- Campbell Soup Headquarters
- Delaware River Port Authority
- L-3 Communications

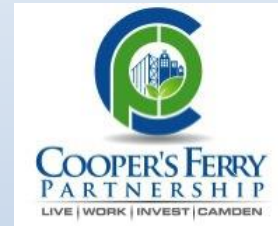
Revitalization of Downtown/Waterfront

- 'Meds and Eds' hub of southern NJ
- Battleship New Jersey
- Adventure Aquarium
- Susquehanna Bank Center
- Camden Riversharks





City of Camden



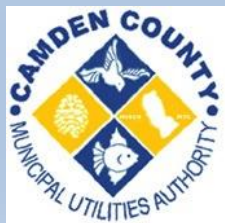
Cooper's Ferry Partnership



NJ Department of
Environmental Protection



Rutgers Cooperative Extension
Water Resources Program



Camden County Municipal
Utilities Authority



NJ Tree Foundation

SMART PARTNERSHIPS

Respond, Inc.
The Neighborhood Center
Puerto Rican Unity for Progress
Heart of Camden
South Jersey Land and Water Trust
Delaware RiverKeeper Network
Camden City Garden Club
Cooper Grant Neighborhood Association
NJ Conservation Foundation
The Nature Conservancy
Center for Environmental Transformation
Campbell Soup Company
MAFCO Worldwide Corporation
United Water Camden, LLC
Adventure Aquarium Fins for the Future

Parkside Business and Community in Partnership
Cramer Hill Community Development Corporation
Morgan Village Circle CDC
The Charles Brimm Medical Arts High School
Cooper Lanning Civic Association
Camden Department of Public Works
Rutgers Camden
Camden County Library
Woodrow Wilson High School
RT Cream Elementary
Sumner Elementary
Urban Promise Academy
Camden County Technical Schools
Camden County Soil Conservation District
Rutgers 4-H of Camden County

REGIONAL COLLABORATION

Philadelphia Water Department



YOUR WATERSHED

WATERSHED ISSUES

Green City, Clean Waters





- = Green Infrastructure
- = Neighborhood Beautification
- = Key Infrastructure Upgrades
- = River Access & Enjoyment
- = Economic Development
- = Innovative Technology Solutions
- = Sustainability
- = Brownfield Redevelopment

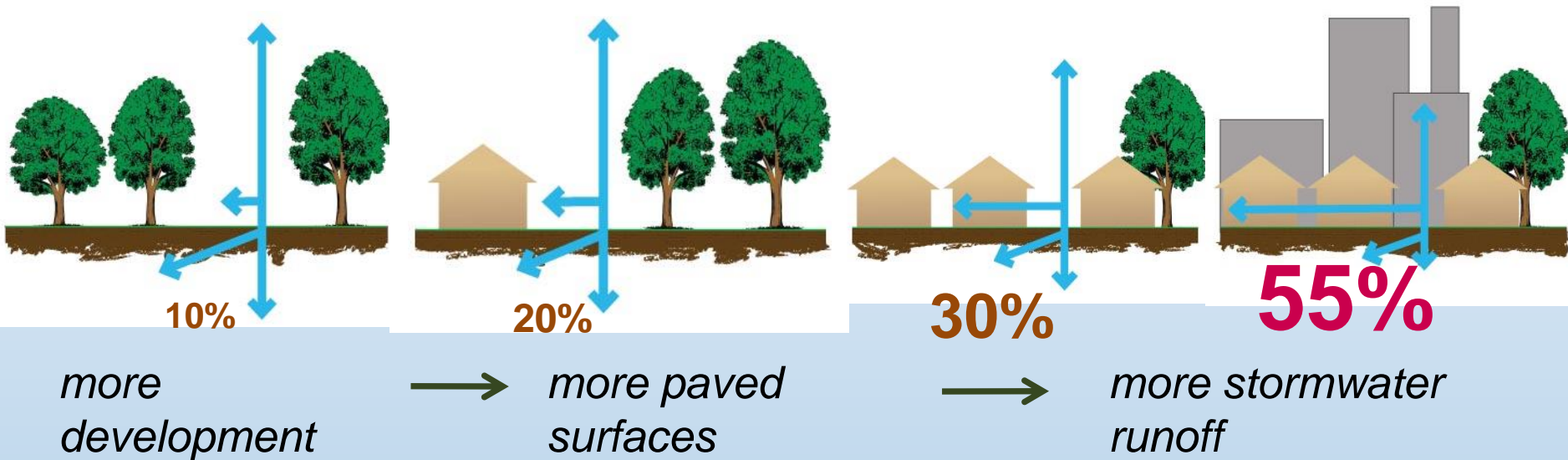


Park Boulevard Rain Garden in Parkside



- 1 Educate residents and community leaders about the benefits of stormwater management and green infrastructure
- 2 Establish a network of community organizations to advocate for sustainability in the City of Camden
- 3 Implement neighborhood green & grey infrastructure projects to alleviate flooding and achieve sustainable neighborhood revitalization
- 4 Provide training on green infrastructure techniques

A COMPLEX CAUSE



A COMPLEX ISSUE



A COMPLEX ISSUE



A COMPLEX ISSUE



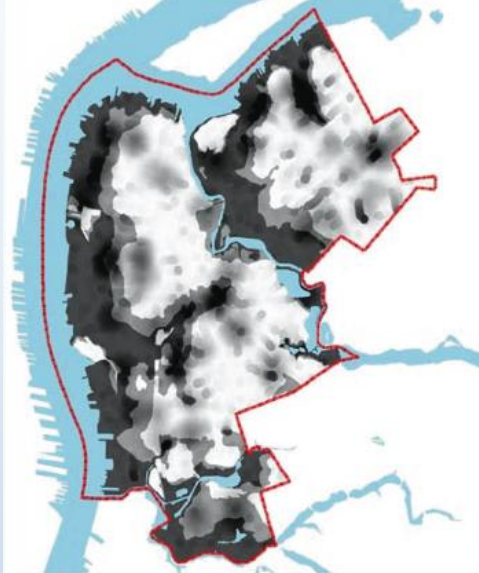


COMMUNITY-BASED GREEN INFRASTRUCTURE FOR THE CITY OF CAMDEN

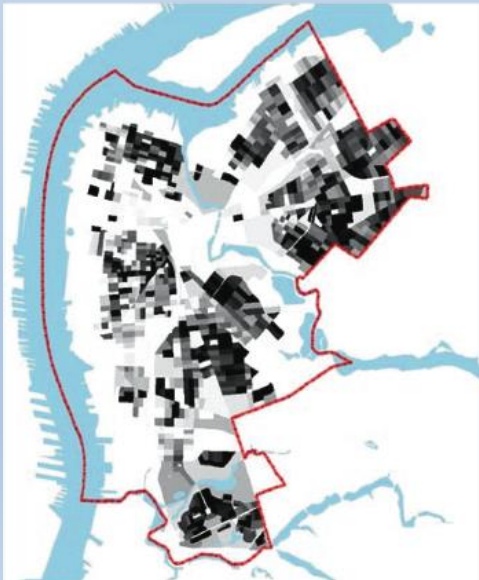
Feasibility Study

November 2011

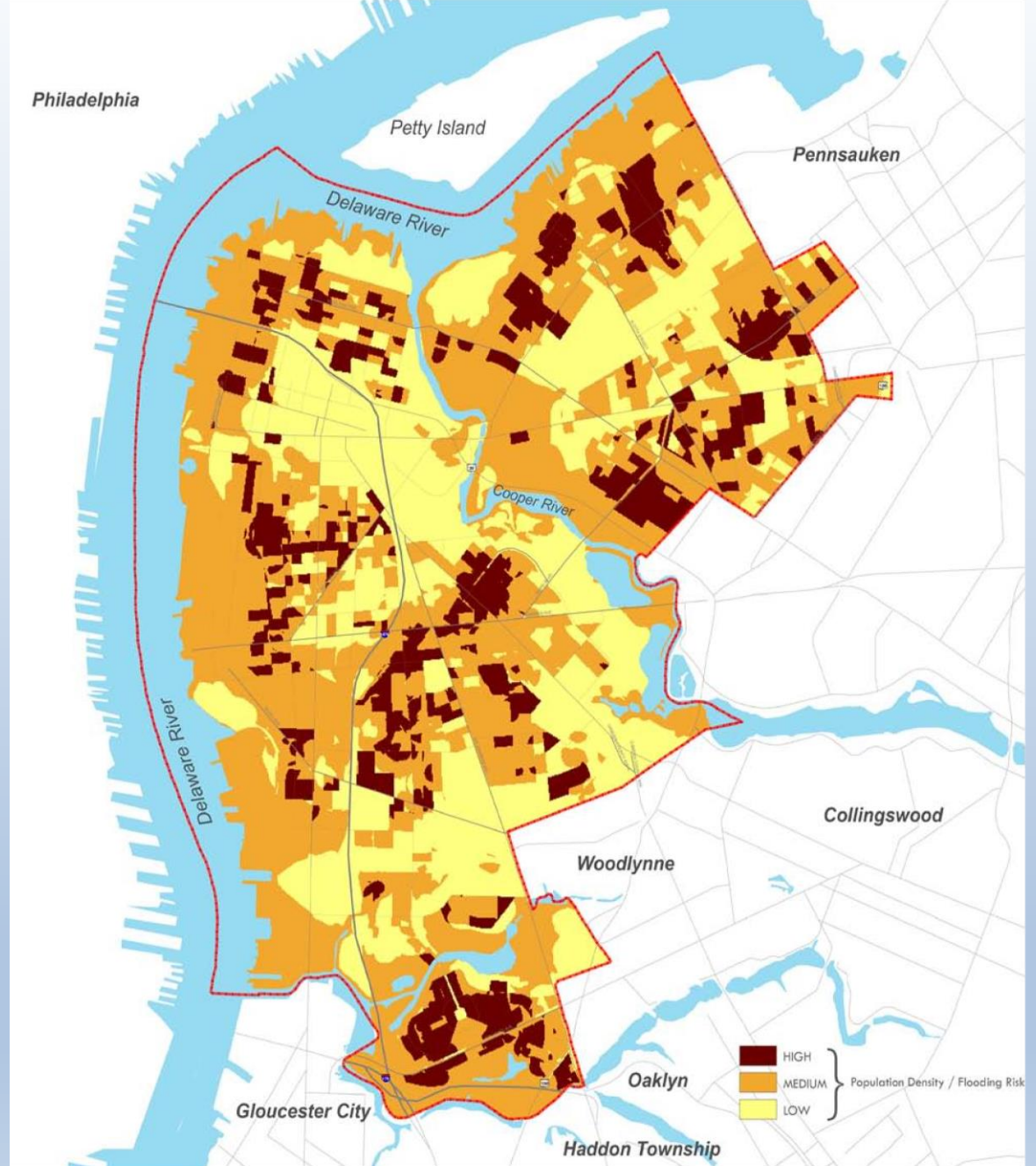




Areas at risk of flooding



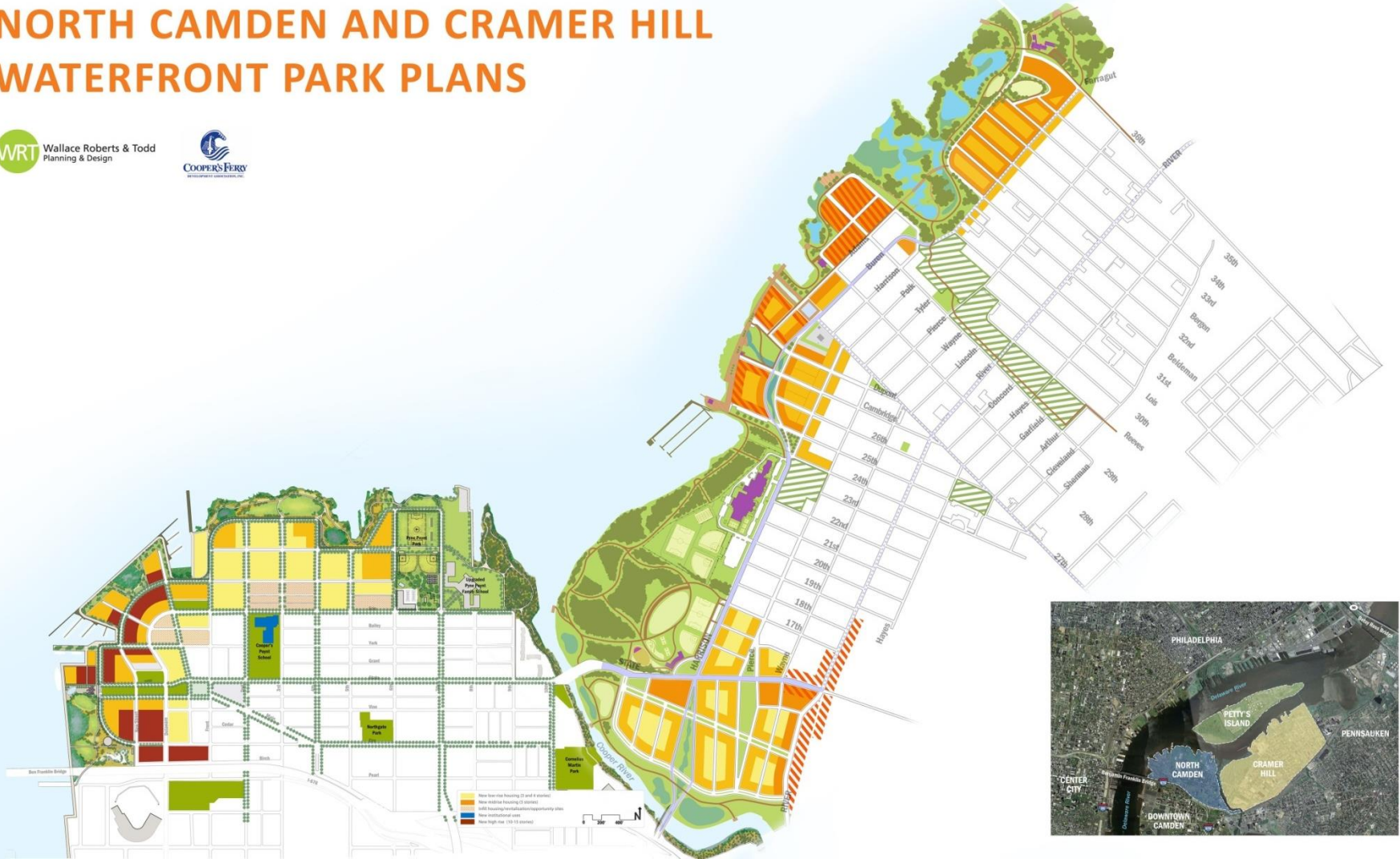
Population Density at Risk



Population at Risk

CAMDEN SMART NEIGHBORHOOD & WATERFRONT PARK PLANNING

NORTH CAMDEN AND CRAMER HILL WATERFRONT PARK PLANS



COMMUNITY-BASED GREEN INFRASTRUCTURE



Over 100 residents attended the Camden SMART community meetings in February-April 2011



INNOVATIVE TECHNOLOGY



- Innovative stormwater management planning
- A 3-D, immersive, navigable, and interactive VR simulation of flooding characteristics
- Replicable model for urban infrastructure development & prioritization



GREEN INFRASTRUCTURE DEMONSTRATION PROJECTS



Rain Garden Installation
Sumner Elementary
School
June 21, 2010



CCMUA Ferry Ave
Earth Day Celebration & Rain Garden
Installation
April 20, 2011

WATERFRONT SOUTH RAIN GARDENS

Brownfield Remediation via Green Infrastructure

- Built on the site of an abandoned gas station
- 1,850 tons of contaminated soil & 12 USTs removed from site
- 4 rain gardens designed to manage about 1 million gallons of stormwater per year
- A green gateway into the Waterfront South neighborhood

July 2011



GREEN INFRASTRUCTURE AT THE NEIGHBORHOOD CENTER



RAIN GARDENS



Brimm School rain garden planting and classroom education

SCHOOL AND COMMUNITY ENGAGEMENT



Camden SMART Initiative BUILD A RAIN BARREL WORKSHOPS



The Camden SMART Initiative, with funding from the Campbell Soup Foundation, invites residents of the City of Camden to attend a rainwater harvesting workshop.

WORKSHOP DETAILS:

Where: St. Joseph Carpenter Society
20 Church St, Camden, NJ 08105
When: Wednesday, April 9, 2014
Time: 6:00 - 8:00 p.m.

Where: Puerto Rican Unity for Progress
818 S. Broadway, Camden, NJ 08103
When: Wednesday, April 23, 2014
Time: 5:30-7:30 p.m.

Where: Camden Children's Garden
3 Riverside Dr, Camden, NJ 08103
When: Saturday, May 17, 2014
Time: 9:00 - 11:00 a.m.

The workshop is offered at a reduced cost for the residents of the City of Camden. Participants will pay \$5 per barrel, which includes all necessary materials. Participants will be given step by step instruction on how to build and install their own rain barrel.



SPACE IS LIMITED - REGISTER NOW!
Pre-registration is required.

To register and for more information about these events, please contact Sara Mellor at (848) 932-6747 or go on-line to www.camdensmart.com.

The payment of \$5 per barrel will be collected at the beginning of the workshop.

Rain barrel diverter kits will be available for purchase for an additional \$10 at each workshop.

WHAT IS A RAIN BARREL?

A rain barrel is placed under a gutter's downspout next to a house to collect rain water from the roof. The barrel holds about 55 gallons of water which can be used to water your lawn, flowers, shrubs, and trees.

Rainwater harvesting can help save money on your water bill, prevent basement flooding, and reduce flooding in local roads, parks, and rivers.



SMART COMMUNITY RAIN BARREL WORKSHOPS



RAINWATER HARVESTING SYSTEMS



The Neighborhood Center – Bergen Square



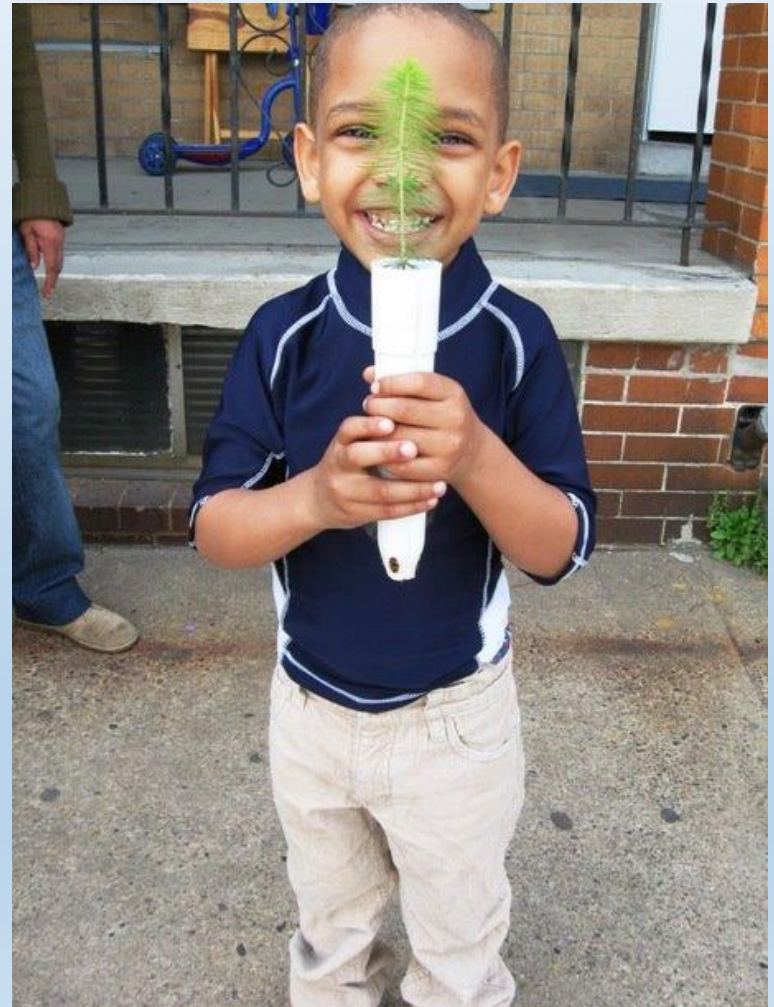
304 State Street - North Camden

NJTF TREE PLANTINGS

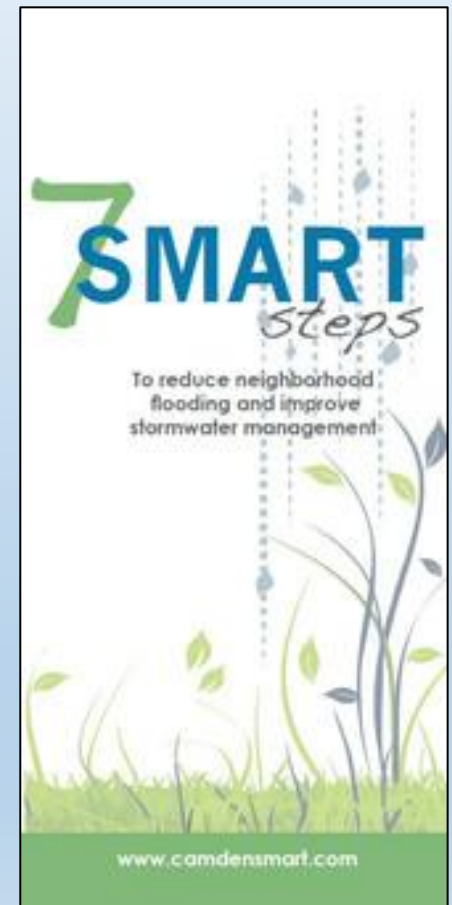
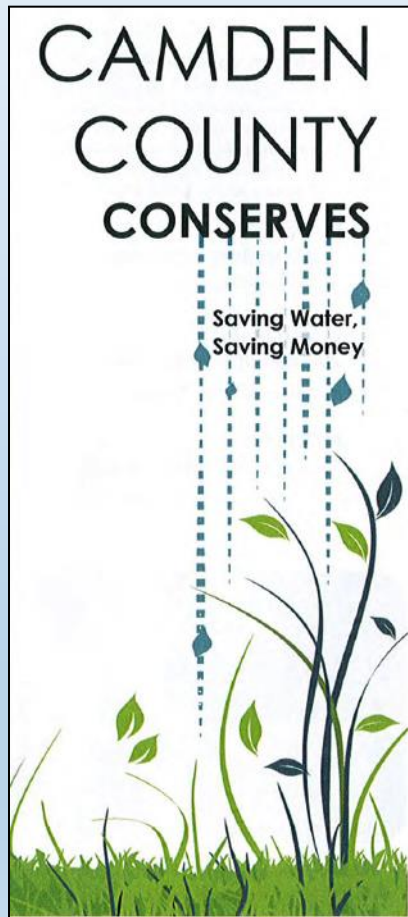
Urban Airshed Reforestation Program (UARP)



- **236** trees planted in spring 2012
- **4490** trees planted since 2002!



WATER CONSERVATION PROGRAM



Free Water Conservation Kits



What is the Camden SMART Initiative?

The objective of the Camden SMART (Stormwater Management and Resource Training) Initiative is to develop a comprehensive network of green infrastructure programs and projects for the City of Camden.

The Initiative is a collaboration between the City of Camden, Camden County Municipal Utilities Authority, Cooper's Ferry Partnership, Rutgers Cooperative Extension Water Resources Program, New Jersey Tree Foundation, NJ Department of Environmental Protection, our public-private partners, community organizations, and most importantly, Camden residents to restore and revitalize our neighborhoods.

The Initiative includes neighborhood green and grey infrastructure projects, stormwater management policy development, and green infrastructure training programs.

Camden SMART Initiative:

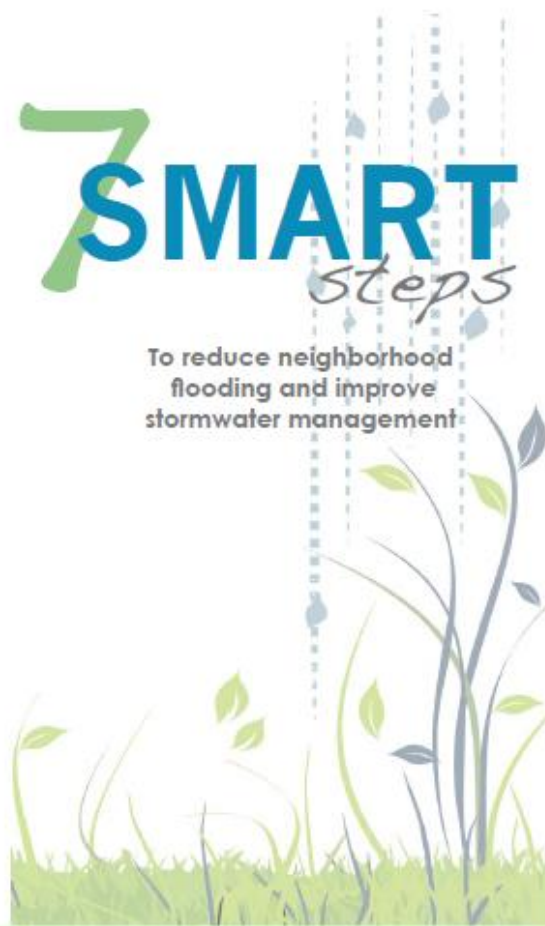
- Reduce neighborhood flooding
- Reduce combined sewer overflows
- Improve air, water and climate quality
- Develop sustainable environmental policy
- Enhance economic development opportunities
- Add recreational amenities and open space
- Beautify neighborhoods



A former gas station is now home to four rain gardens at Broadway and Chelton Ave.



Visit Us at www.camdensmart.com



www.camdensmart.com

Did you know?

- Camden has a combined sewer system which makes it more susceptible to backups and flooding. A combined sewer system collects sewage and rainwater in a single pipe system.
- Trash and debris block storm drainage systems, which can lead to flooding. Trash and debris also pollute our local streams and waterways, which can harm the habitat for many species of plants and animals.

Think SMART!

Everyone must do their part!



Rain garden on Park Blvd., Parkside neighborhood

Be SMART! Take Action!

1. Keep Camden Clean

Keep the street clean. Don't throw litter into the street. Take an active role by reporting illegal dumping.

To report dumping call:

PUBLIC WORKS HOTLINE 856-757-7034

2. Clean Your Yard Regularly

Bag, compost or recycle grass, tree limbs, leaves and other yard waste. Uncollected yard waste can clog storm drains when carried by rainwater.

3. Adopt a Drain

Keep your nearest storm drain clear of any debris or trash (including yard waste). Debris blocking the storm drain can easily result in flooding.

4. Collect and Reuse Rainwater

Take an active role in recycling rainwater and install a rain barrel at your home. By collecting rainwater, homeowners can help reduce flooding and pollution in local waterways.

For more information, visit:
www.water.rutgers.edu

5. Plant a Rain Garden

A rain garden allows about 30% more water to soak into the ground than a patch of lawn! Rain gardens also help to remove pollutants from stormwater runoff, protecting local waterways.

For more information, visit:
www.water.rutgers.edu

6. Flood Proof Your Home

Install rain gutters and direct downspouts away from the house. Keep rain gutters clear to prevent blockage. Also grade soil away from your home to prevent basement flooding.

7. Plant Trees and Shrubs

Trees, shrubs, and perennial plants absorb up to fourteen times more rainwater than a typical lawn, and they help to reduce rainwater flow into the sewer system by 35% or more.

Trees available for Camden residents.
For more information, visit:
www.newjerseytreefoundation.org
or call 856-287-4488



to Reduce Neighborhood Flooding



Use this card to help guide you to a more sustainable future.

This is certainly not an all-inclusive list, but is intended to be a tool to highlight general areas of focus to green your life from top to bottom.

Items under each category are listed in terms of ease of implementation. The further down you go, the more long-term and higher cost the items or concepts become.

www.sustainablecamdencounty.org

Sustainable Camden County
520 Market Street
8th Floor
Camden, NJ 08102
856-225-5576



Printed on 80% Recycled Post-Consumer Waste paper
FSC-Certified, 50% Recycled, 30% post-consumer
recycled fiber with an environmentally friendly ink.



The most widely accepted definition of sustainability is from the Brundtland Report of 1987, also known as Our Common Future:

"Sustainable development is that which meets all the needs of the present without compromising the ability of future generations to meet their own needs."

THE TRIPLE BOTTOM LINE



The sustainability approach of People-Planet-Profit takes into consideration all of those things in the way we operate.

It's not just about making money, it's about doing right by the people we impact and the environment we all share.



GREENING
YOUR LIFE



www.sustainablecamdencounty.org

ENERGY

- Unplug appliances when not in use
- Adjust heat and A/C settings
- Layer your clothes
- Calculate your carbon footprint
- Add insulation/caulking
- Install motion and occupancy sensors
- Use CFL/LED lighting
- Upgrade windows
- Conduct an energy and a sustainability audit
- Purchase alternative energies such as wind and solar
- Install geothermal wells



HOUSEHOLD PRACTICES

- Eliminate catalogs by mail
- Remove your name and address from mailing lists
- Increase electronic mail
- Pay your bills online
- Recycle your printer cartridges
- Buy recycled paper
- Buy green cleaning products
- Use FSC-certified paper
- Choose non-toxic pens and glues
- Buy low- or no-VOC paints and solvents



TRANSPORTATION

- Carpool
- Ride a bicycle or walk instead of driving
- Use public transportation
- Teleconference meetings to reduce travel
- Lump trips together to eliminate unnecessary travel
- Avoid idling
- Use your company's shuttle system if available
- Keep tires properly inflated
- Increase pervious surfaces on your property
- Buy a hybrid or electric vehicle



FOOD/CONSUMABLES

- Try more vegetarian options
- Buy local produce and support farmer's markets
- Support the Seafood Watch program
- Buy food that's in plant-based containers
- Use 100% post-consumer recycled paper products
- Buy organic, shade-grown coffee
- Bring your own cloth bags when going shopping
- Avoid buying #3 and #7 plastics
- Buy from companies that use sustainable palm oil



URBAN HEAT ISLAND

- Landscape to shade paths
- Plant trees
- Invest in light-colored pavement
- Reduce asphalt
- Use cool roof technology
 - Green roofs
 - Rooftop gardens
 - Light colored roofs



WASTE

- Reduce creation of waste
- Compost landscape waste
- Compost food scraps
- Try red worm composting
- Find out more about your town's recycling program
- Use cloth bags instead of paper or plastic
- Buy compostable and recyclable products



WATER CONSERVATION

- Reduce usage - shut off sinks when not in use
- Only run your dishwasher and clothes washers with full loads
- Add aerators on sinks
- Use auto shut-off fixtures
- Invest in low-flow toilets
- Re-circulate water features
- Invest in rain barrels, cisterns and other gray water collection



LANDSCAPING

- Preserve tree canopy
- Eliminate fertilizers
- Eliminate herbicides
- Use manure/compost
- Plant trees
- Plant native plants
- Xeric landscaping
- Invest in energy efficient irrigation systems
- Build a rain garden or bioswale



Water Conservation Challenge



GREEN CHALLENGE

brought to you by the



It's easy to be **green!** Small lifestyle changes can make a **big difference.**

Help Camden become a certified green city through the Sustainable Jersey program by taking the Green Challenge! To meet this goal, we are looking for more than 650 Camden households to pledge to **go green!** All participants will be listed on the Camden SMART Honor Roll online at www.camdensmart.com.

There are three easy ways to take the Green Challenge:

1. Pledge online at www.camdensmart.com.
2. Fill out the form on the back of this sheet and mail it in with your bill payment.
3. Hand-deliver the completed form to the Camden County M.U.A. to receive a **free water conservation kit**. The Camden County M.U.A. is located at 1645 Ferry Ave., Camden, NJ, 08104 and is open from 8:30am-4pm Monday-Friday. **Only 100 kits available, limit 1 kit per household.**

SUSTAINABLE JERSEY is a certification program for municipalities in New Jersey that want to go green, save money, and take steps to improve the environment for future generations. Since its creation in 2006, 108 New Jersey communities have been certified. Let's make Camden the next! Visit www.sustainablejersey.com to find out more about Sustainable Jersey.

What is the Camden SMART Initiative?

Founded in 2011, the Camden SMART (Stormwater Management And Resource Training) Initiative is a collaboration between the City of Camden, Camden County Municipal Utilities Authority, Cooper's Ferry Partnership, Rutgers Cooperative Extension Water Resources Program, New Jersey Tree Foundation, NJ Department of Environmental Protection, public-private partners, community organizations, and most importantly, Camden residents. The objective of the Camden SMART Initiative is to develop a comprehensive network of green and gray infrastructure programs and projects to reduce flooding and sewer overflows in the City of Camden.

In 2011, the Camden SMART Initiative constructed 11 rain gardens, planted over 300 trees, completed the \$1-million Farnham Park Stormwater Management Project, hosted community outreach meetings, developed a framework for a stormwater management plan, and created and distributed educational materials to all Camden households.

The Camden SMART Initiative has developed an ambitious list of goals for 2012, including launching a rain garden sponsorship program, installing 20 new rain gardens, developing a city-wide stormwater management plan, and hosting educational sessions for residents.

For more information about the Camden SMART Initiative, please visit www.camdensmart.com.



Water Conservation Challenge



GREEN CHALLENGE

brought to you by the



It's easy to be **green!** Small lifestyle changes can make a **big difference.**

For submission instructions, please see other side.

Name _____

Address _____

City _____

State _____

Zip _____

Email address _____

Telephone _____

Signature of Participant _____

Date _____

Choose 6 of the Earth-friendly practices below to take the Green Challenge.

GETTING STARTED

- ☐ Turn off the water while brushing my teeth.
Turning off the faucet while brushing can save up to 8 gallons of water a day!
- ☐ Turn off the lights when I leave a room.
- ☐ Turn off electronics when not in use.
- ☐ Never litter and report dumping by calling the Public Works Hotline at (856) 757-7034.
- ☐ Reduce my shower time to five minutes or less.
A shower longer than five minutes uses as much water as taking a bath.

GOING GREEN

- ☐ Collect and reuse rainwater to water household or landscape plants.
To learn more, visit www.water.rutgers.edu.
- ☐ Use reusable drink and storage containers instead of paper or plastic bottles.
Buying a daily cup of coffee in a disposable container generates 23 pounds of waste per year!
- ☐ Use compact fluorescent bulbs in my house.
- ☐ Use reusable grocery bags instead of disposable paper or plastic bags.
- ☐ Recycle all recyclable household garbage.
Camden offers curbside recycling. Use it!

GREEN LEADER

- ☐ Always wash full loads of laundry and dishes, instead of half-loads or less.
- ☐ Adopt a sewer drain near my home, and keep it clear of debris and trash.
- ☐ Plant a rain garden at my home or volunteer to assist in a neighborhood rain garden or tree planting.
- ☐ Make a point to buy locally-grown produce.
Look for the Greensgrow Farms Mobile Neighborhood Market which visits several Camden neighborhoods regularly from May to October.
- ☐ Use public transportation or ride a bike instead of driving at least once a week.

Water Conservation Ordinance

Page 2

CAMDEN CITY NEWS

NEW MEDICAL SCHOOL OPENS IN DOWNTOWN CAMDEN

More than 300 business, community leaders and elected officials celebrated the grand opening of Cooper Medical School of Rowan University's (CMSRU) state-of-the-art educational building on the corner of Broadway and Benson Street in downtown Camden.

The first new medical school in New Jersey in more than 35 years, CMSRU is only the third MD-granting school in the state, and the only one based in South Jersey.

CMSRU will begin training future doctors when its charter class arrives this August.

The Medical School's charter class consists of 50 students, 74% of whom are New Jersey residents. Class size will eventually grow to 100 students, with 400 students in total. They will be trained by more than 450 clinical faculty from Cooper University Hospital, and the medical school's own team of esteemed biomedical faculty.

CMSRU's six-story, 200,000 square-foot building cost \$139 million, and brought hundreds of jobs to the region.

Developed specifically for the CMSRU curriculum, it is filled with spaces and technologies to support faculty and students in their educational process, including a spectacular, 250-seat auditorium where today's event was held. Other highlights include a 140-seat multipurpose room, 25 Active Learning Rooms, a Learning Commons



Mayor Redd speaking during the opening of the new Cooper Medical School of Rowan University.

and satellite medical library, a Clinical Simulation Center, and state-of-the-art laboratory and research space.

WATER CONSERVATION CAN SAVE YOU AND THE CITY MONEY

These days, everyone is looking for ways to cut costs. Many are unaware of how easy it is to save money by simply committing to water conservation in ones home.

Water conservation is often portrayed as necessary for the greater good of the environment. However, the benefits to the individual who commits to water conservation are substantial. By simply replacing older, inefficient bathroom fixtures with WaterSense® labeled

fixtures, a single household can save 7,000 gallons of water and 200 kWh of energy annually. This translates to \$80 of savings in utility bills per year and it takes only two years for the fixtures to pay for themselves.

Conservation can be as easy as implementing simple lifestyle changes such as always washing full loads for both laundry and dishes and avoiding using running water to thaw meat or other frozen foods. Conserving water outdoors is important as

well. Watering the lawn and plants only when needed and doing so early or late in the day to reduce evaporation can also help an individual save.

If all residents of Camden commit to water conservation, the financial benefits multiply. Saving water reduces pumping and treatment costs for the CCMUA, which helps keep rates down. Camden neighborhoods also benefit from water conservation. Saving water reduces the potential for flood-

ing of raw sewage during rain storms because less of the sewer system's limited capacity is used.

In the interest of saving water for future generations, the City is currently pursuing adopting a water conservation ordinance which would restrict residents to lawn watering only two days per week, in the early morning or evening, and no longer than 30 minutes for a single area. Irrigation systems would also be subject to time constraints.



Mayor Redd and representatives from Saint Joseph's Carpenter Society, Wells Fargo Regional Foundation and Cooper's Ferry Partnership standing in front of the newly constructed homes in East Camden.

SJCS RECEIVES GRANT FOR NEIGHBORHOOD PLANNING IN E. CAMDEN

In July, the Wells Fargo Regional Foundation announced a \$100,000 Neighborhood Planning Grant to Saint Joseph's Carpenter Society (SJCS), in conjunction with Cooper's Ferry Partnership (CFP) and the Regional Plan Association (RPA), to develop a resident-driven plan for the East Camden neighborhood. The grant was announced on the site of one of the newly constructed homes in Carpenter's Square, a 42 unit development by SJCS.

The neighborhood plan, "My

East Camden - Many Voices, One Vision," will bring many different community members together, from non-profits, to businesses and residents, to create a vision for a shared future.

SJCS will work with its partners to plan critical recommendations based on community input. The research gathered will result in the completion of a neighborhood plan that combines existing conditions and workshop results into a vision of the future

neighborhood while addressing children and families, economic development, affordable housing and housing counseling and neighborhood building. CFP will provide an essential role of identifying, engaging, drawing out and sustaining participation of East Camden residents and stakeholders utilizing strategic planning techniques through coordination with neighborhood groups and individuals. Working with RPA, SJCS and CFP will provide the framework for a realistic and implementable neighborhood vision.

Water Conservation Ordinance Adopted by Camden City

Camden City Council recently approved a water conservation ordinance to help alleviate problems with reduced water pressure in times of drought. With the increasing effects of climate change and global warming felt throughout the world, long-term droughts are more likely to occur in the near future. It is critical to have a plan in place to deal with these conditions as they arise.

In addition, conserving water makes financial sense. Not only can you reduce your water bill, but the less water you use means the less water that needs to be treated at the City's wastewater treatment plant, thus keeping sewer rates in check.

Camden's water conservation ordinance states that:

- Lawns may be watered two days per week. Properties with even number addresses may only water on Mondays and Thursdays. Properties with odd number addresses may only water on Tuesdays and Fridays.
- Water may only be conducted between the hours of 6:00am and 9:00am or between 5:00pm and 8:00pm
- No single area shall be watered more than 30 minutes per day
- Flowers and shrubs may be watered as needed with a hand-held hose equipped with an automatic shut-off nozzle
- No hose or hose-end watering shall be permitted when it is raining
- Irrigation systems must only run between midnight and 10:00am

We are asking for your support in adhering to these guidelines. The City is committed to water conservation and encourages residents to get on board. Start saving water and money now! And help us make Camden a sustainable community!

For more information on water conservation, visit www.epa.gov/WaterSense and www.cleanwaternj.org

For more information on sustainability in Camden, visit www.camdensmart.org



SMART in the NEWS

The Courier Post reports: Camden SMART helps Neighbors plant sense of pride in city

Tue, 2012-05-01 07:52 | by Staff

ANJEC in the City

By Julie Lange Groth, ANJEC Report Editor

Camden takes grassroots approach to stormwater management

As spring arrives in the City of Camden, bright patches of color are returning to the places where volunteers labored with shovels and rakes and lots of enthusiasm last summer, bringing new life into the City's built-out landscapes. The 19 rain gardens they have planted over the past two years are not only beautiful – they have an important job to do. They are part of the solution to manage stormwater and mitigate flooding in Camden.

As in some other New Jersey cities, Camden's water infrastructure is not only crumbling, but it has insufficient capacity to handle the volume of runoff produced by heavy rain events. That's when the system defaults to combined sewer overflow (CSO), allowing the wastewater and stormwater to share the same pipes feeding directly into the Delaware River. It's a messy business, not only polluting the river but also flooding many City streets and buildings.

Getting SMART about stormwater

Enter Camden SMART, short for Camden Stormwater Management Resource Training. It's an initiative to develop a comprehensive network of green infrastructure programs and projects for the City, beginning at the grass roots level. The collaboration is powered by a host of public and private partners that includes the City, Camden County Municipal Utilities Authority, the Cooper's Ferry Partnership, Rutgers Cooperative Extension Water Resources Program, New Jersey Tree Foundation, New Jersey's Department of



Volunteers from Campbell's Soup planting a tree at the Brimm School Rain Garden. Photo courtesy of Camden SMART

Environmental Protection, and community organizations and residents.

According to Cooper's Ferry Partnership Vice President Metshka Mitchell, it all began with neighborhood organizations and small nonprofits coming together to plan and begin making people aware of what was happening to cause the flooding and what could be done about it. But it was clear early on that the program needed to move out of the meeting rooms and into the streets to get people in the neighborhoods engaged in producing measurable results.

"We looked across the river at Philadelphia where they had launched massive green infrastructure projects to address the same issues, all driven by an EPA consent decree," Mitchell recalls. "But for us it was a community effort to proactively address



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[Back to Blog home](#)

TUESDAY, JULY 31, 2012

Rain gardens, community gardens and more gardens in Camden

PHOTO OF THE DAY



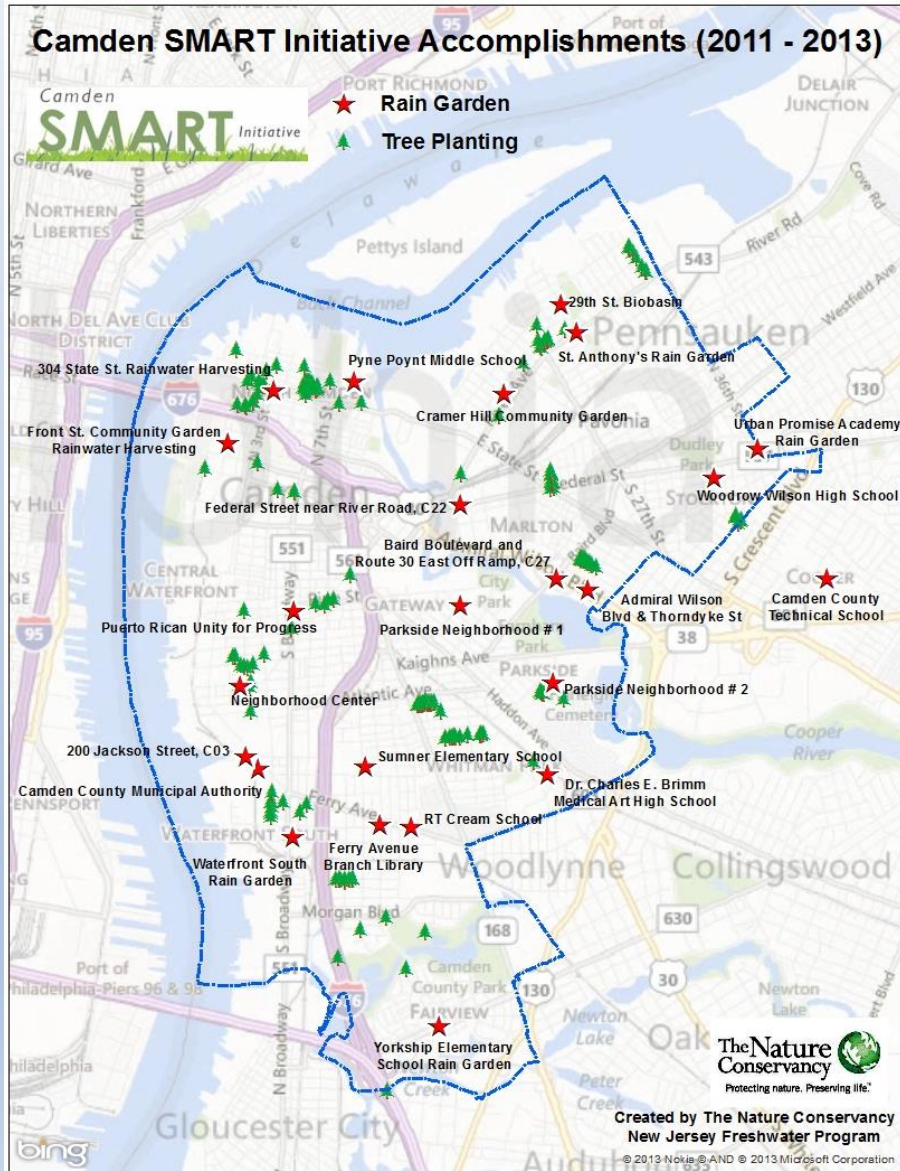
Volunteers put native plants into the ground at the Ferry Avenue branch of Camden County Library, which is being watered by the black-eyed Susans and other varieties. CLEM MURRAY / Staff Photo

Philadelphia Inquirer, April 20, 2012

Over Two Million Gallons and Counting...

PROJECT NAME	PROJECT LOCATION	STORMWATER CAPTURED (GALLONS PER YEAR)
20th St. Community Garden Rain Gardens	N. 20th at River Ave.	63,000
Sumner Elementary School Rain Gardens	1600 S 8th St.	110,000
Ferry Avenue Rain Garden	1645 Ferry Avenue	75,000
Waterfront South Native Plant Nursery	1645 Ferry Avenue	0
Waterfront South Rain Garden	S. Broadway @ Chelton Ave.	470,000
Ferry Avenue Library Rain Garden	852 Ferry Avenue	62,500
Parkside Rain Barrel Workshop (25 Rain Barrels)	-----	32,500
Brimm School Rain Garden	1626 Copewood St.	81,000
Camden County Technical Schools (Penn Tech)	6008 Browning Road	12,500
RT Cream School Rain Garden	1875 Leon Huff Street	25,000
PRUP Rain Garden and Rainwater Harvesting	818 S. Broadway	31,250
Woodrow Wilson High School Rain Garden	3100 Federal St	30,000
29th St. Biobasins	29th St @ Pierce St & Tyler St.	400,000
Park Blvd Rain Garden #1	Park Blvd @ Magnolia Ave	60,000
Park Blvd Rain Garden #2	Park Blvd @ Vesper Blvd	40,000
304 State St. Rainwater Harvesting	304 State St.	3,000
Neighborhood Center Rain Garden and Rainwater Harvesting	278 Kaighns Ave	119,000
Front St. Community Garden Rainwater Harvesting	N. Front St. at Penn St.	5,000
Pyne Point School	N. 7th St. @ Erie St.	47,700
Yorkship Elementary School Rain Garden	1251 Collings Ave., Camden, NJ	22,500
Urban Promise Academy Rain Garden	27 N 36th St., Camden, NJ	22,500
2013 Rain Barrel Program (95 Rain Barrels)	Camden City	123,500
St. Anthony's Rain Garden	29th St @ River Ave.	175,000
TOTAL STORMWATER RUNOFF CAPTURED: 2,010,950 gallons per year		

Over Two Million Gallons and Counting...



FUNDERS, SUPPORTERS & RECOGNITION

- US EPA
- NJ DEP 319 (H) Program
- Dodge Foundation
- Fund for New Jersey
- Campbell Soup Foundation
- Verizon Foundation
- The Nature Conservancy
- USDA Forest Service
- William Penn Foundation
- Camden County Soil Conservation District
- United Water Camden
- MAFCO Worldwide Corporation

Rain Garden Sponsorship Program

- KUPPER, LLC, a JMT Company
- PS&S
- Environmental Resolutions, Inc.

Awards and Recognition



INTERNATIONAL
ECONOMIC DEVELOPMENT
COUNCIL



2012 GOVERNOR'S ENVIRONMENTAL EXCELLENCE AWARDS



Healthy & Sustainable Communities category

“The commitment that the Cooper’s Ferry partnership and other partners have made through the Camden SMART Initiative to restore and improve the City of Camden and to address the city’s stormwater management issues is praiseworthy and demonstrates several effective means for protecting our environment.”

--Bob Martin, Commissioner, NJDEP



WHAT'S NEXT?



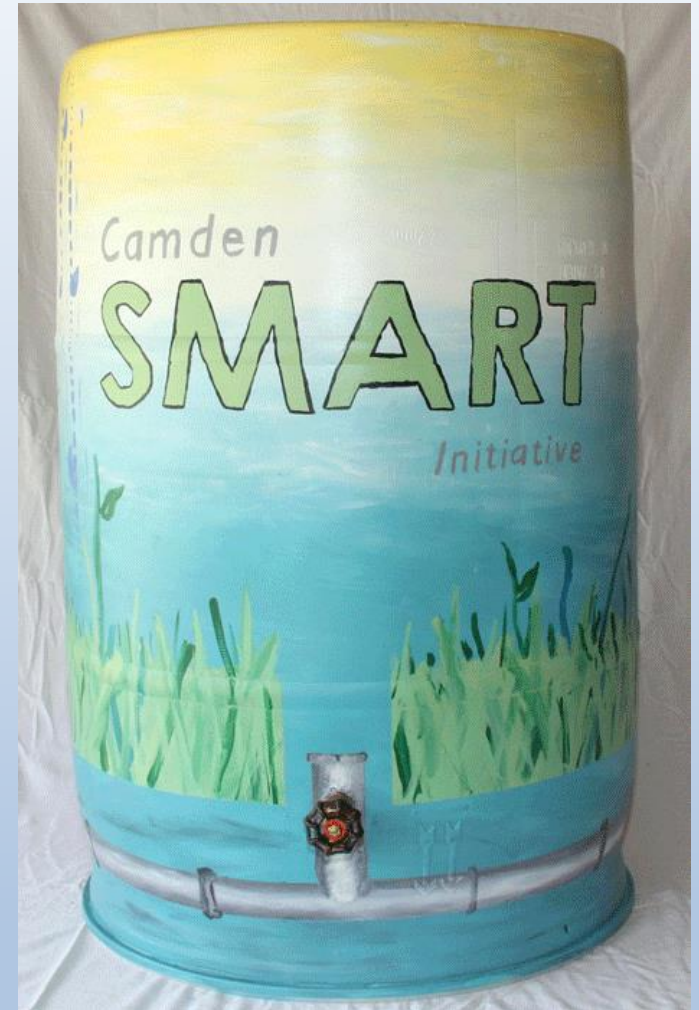
- \$4 million in key grey infrastructure upgrades
- SMART City Code Review
- Design Guidance
- Launch De-Pave Initiative
- Construct rainwater harvesting demonstration project
- Install 10 new rain gardens throughout Camden
- Conduct 2 community education workshops
- Educational brochure for Camden households
- Develop Camden SMART Strategic Plan
- Environmental policy development/Sustainability Ordinance program



The Sustainability Plan for Camden County, NJ



www.sustainablecamdencounty.org



www.camdensmart.com