Urban Water Management and Resilience in Uncertain Times

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Georgetown Climate Center
AWRA - NCR – April 2015

GEORGETOWN CLIMATE CENTER

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- Convenes and serves as resource to states and localities on climate and energy issues
- Brings together academics and policymakers to improve climate policy
- Informs the development of:
  - Legislation
  - Regulation
  - Transportation policy
  - Adaptation policy

THE PROBLEM

WARNING
COMBINED SEWER OVERFLOW
DISCHARGE POINT
POLLUTION MAY OCCUR
DURING RAINFALL
CSO OUTFALL NO. 027
PERMIT NO. DC 0021199
TO REPORT PROBLEMS CALL
DISTRICT OF COLUMBIA
WATER AND SEWER AUTHORITY
TELEPHONE NO. (202) 612-3400

THE PROBLEM + CLIMATE CHANGE

GREEN INFRASTRUCTURE

LOCAL GOVERNMENT ROLES

- Regulatory (zoning codes, stormwater retention standards, etc.)
- Incentives (rebates, subsidies, etc.)
- Government Operations (government buildings, public right of way, street design, etc.)

GEORGETOWN CLIMATE CENTER: OUR WORK

USDN urban sustainability directors network

Smart Growth America
Making Neighborhoods Great Together

NACCHO
National Association of County & City Health Officials

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Green Infrastructure Advisory Group Convening

March 2015

CHALLENGES

- Pilots: Where to Start
- Integration into Systems
- Funding and Financing
- Communication
- Equity

Climate Change

PILOTS: WHERE TO START?

- Best practices and lessons learned
- How to choose initial projects
- How to monitor effectiveness

INTEGRATION INTO SYSTEMS

- How to scale up to city- or system-wide programs
  - Zoning and building codes
  - Capital planning processes
  - Street design standards
  - Subsidies and other financial incentives

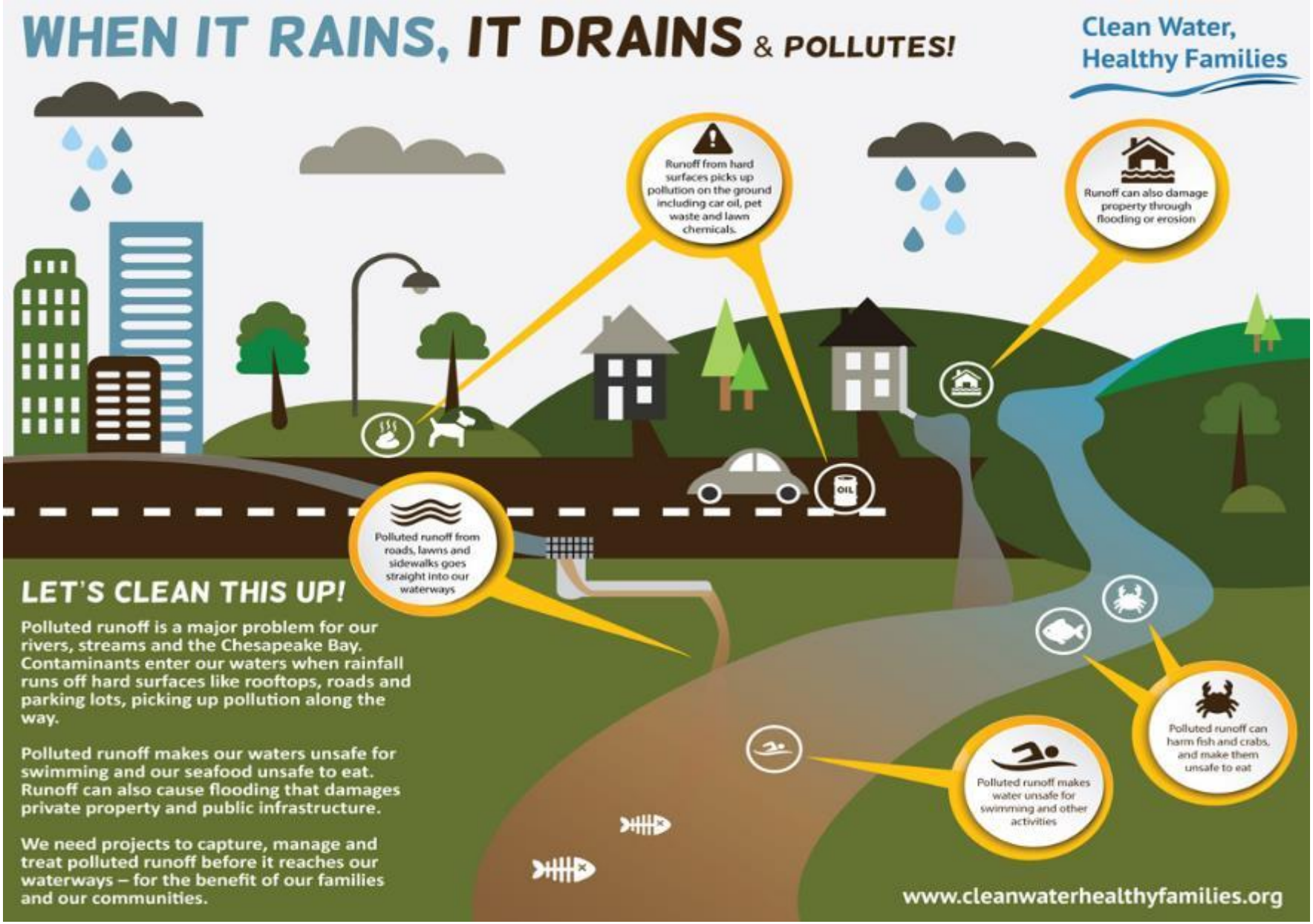
FUNDING: *New Orleans*

Pontilly Vacant Lot Improvements

FUNDING: *New Orleans*

Pontilly Vacant Lot Improvements

COMMUNICATION



EQUITY:

Westlawn Redevelopment, Milwaukee

BEFORE

AFTER

GREEN INFRASTRUCTURE TOOLKIT

Cities Reimagined

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Adaptation Clearinghouse™

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Tap into the adaptation expertise of the Georgetown Climate Center and its partners. Find resources using the search, mapping, and browsing tools displayed on this page.

Featured Policy Areas

Law & Governance

Sea-Level Rise

Urban Heat

Sector Materials to Get You Started

Coasts

Public Health

Transportation

Water

Find Adaptation Resources Near You

Get Resources | Select State

Highlighted This Week

City of Chicago

When it comes to adapting to climate change, the City of Chicago continues to provide important leadership. The city's "Lead by Example Workplans" identify more than 470...

Recently Added Resources

Climate Change Adaptation in New York City: Buidling a Risk Management Response

The New York City Panel on Climate Change (NPCC) was convened by Mayor Michael Bloomberg in

more...

Add to My List

TRACK STATE PROGRESS: *Adaptation Clearinghouse*

Adapting to Climate Change | Clean Energy & Reducing Carbon Pollution

Status of Maryland's Climate Change Preparations

On April 20, 2007 Governor Martin O'Malley signed Executive Order 01.01.2007.07, establishing the Maryland Commission on Climate Change and directing the Commission to create a Climate Action Plan. The Executive Order established the Adaptation and Response Working Group (ARWG) within the Commission to develop the adaptation portions of the state's Climate Action Plan. Maryland's Climate Action Plan includes two climate change adaptation strategies that are currently being used to guide state-level adaptation planning efforts.

The first strategy (Phase I), titled "Comprehensive Strategy for Reducing Maryland's Vulnerability to Climate Change, Phase I: Sea-level rise and coastal storms," was published on September 12, 2008. The Phase I Strategy, makes up Chapter 5 of Maryland's Climate Action Plan, and addresses the covers effects of sea-level rise and coastal storms on: existing and future built environment and infrastructure; the economy; human health, safety and welfare; and natural resources. It makes recommendations to state lawmakers and policy makers for strategies to mitigate impacts from sea-level rise and coastal storms.

The second strategy (Phase II), is titled "Comprehensive Strategy for Reducing Maryland's Vulnerability to Climate Change, Phase II: building societal, economic, and ecological resilience" and was published on January 24, 2011. The Phase II Strategy addresses changes in precipitation patterns and increased temperature, and the likely resulting impacts to six sectors: human health, agriculture, forest and terrestrial ecosystems, bay and aquatic environments, water resources, and population growth and infrastructure. It details the findings and recommendations of the ARWG and the Scientific and Technical Working Group on each of the six sectors. Each sector assessed climate change vulnerabilities, and recommended adaptation strategies for the State of Maryland.

Close

VIEW STATE ADAPTATION PLAN STATUS

VIEW ALL COMPLETED GOALS

Maryland

Comprehensive Strategy for Reducing Maryland's Vulnerability to Climate Change - Phase I: Sea-level rise and coastal storms

Adopted: July 2008

3 out of 20 Goals Completed

16 out of 20 Goals in Progress

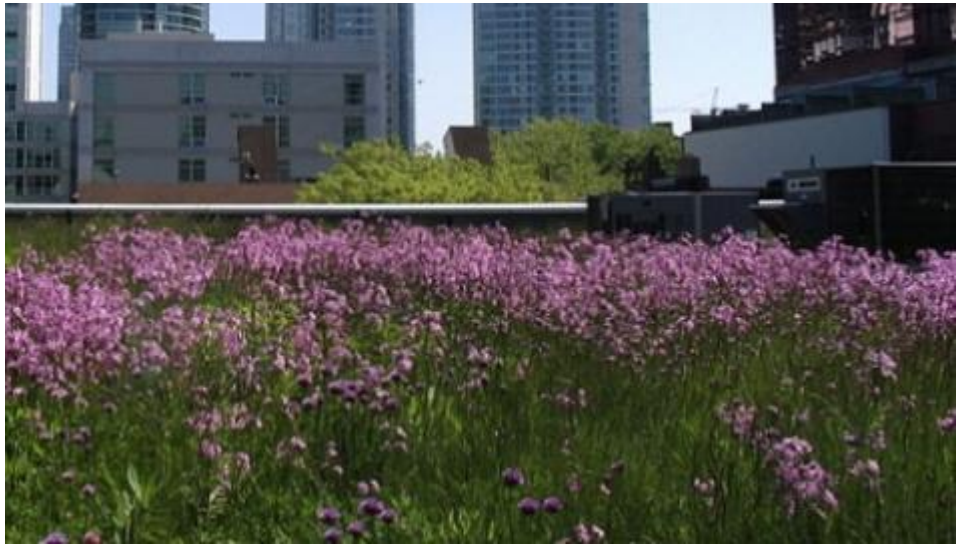
Comprehensive Strategy for Reducing Maryland's Vulnerability to Climate Change - Phase II: Building societal, economic, and ecological resilience

Adopted: January 2011

2 out of 154 Goals Completed

92 out of 154 Goals in Progress

urban heat toolkit



sea-level rise toolkit

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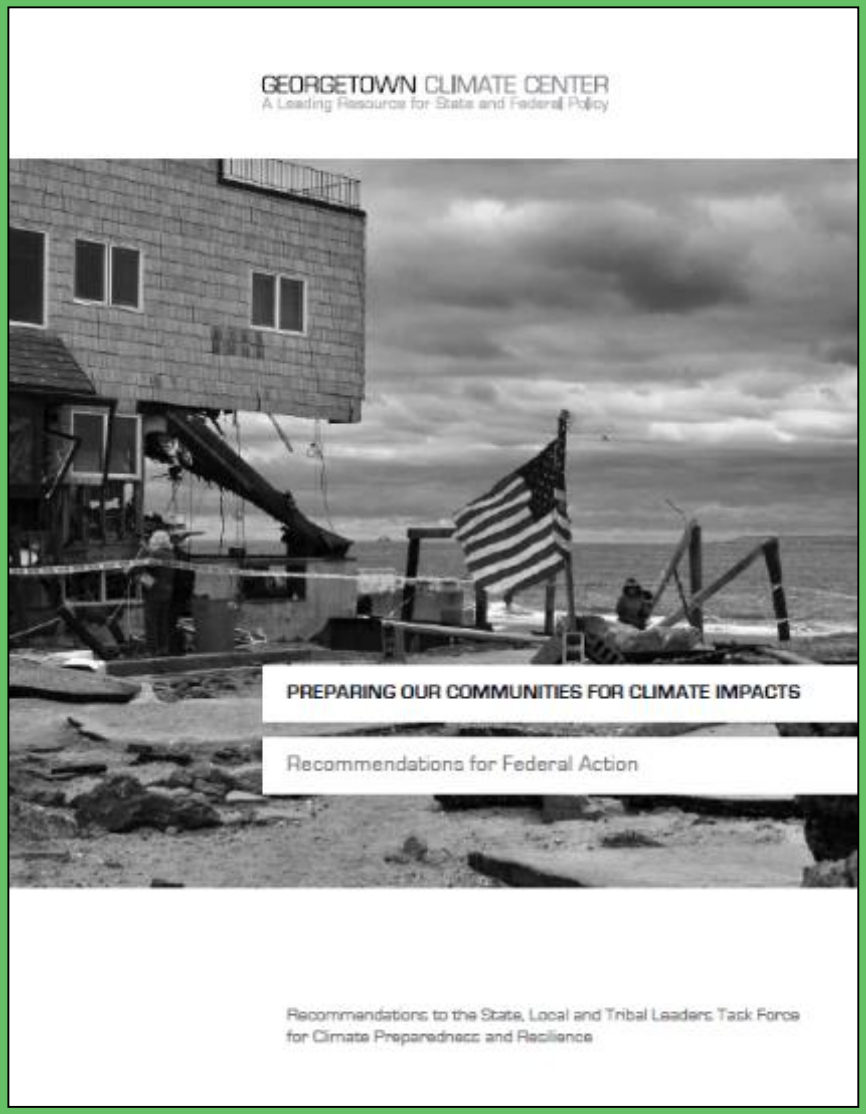

Recommendations to the Task Force:

"Preparing Our Communities for Climate Impacts: Recommendations for Federal Action"

For More Information and Additional Resources

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http://www.GeorgetownClimate.org
http://www.AdaptationClearinghouse.org

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