



# **Climate Change Adaptation and EPA's National Water Program**

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# EPA Climate Change Adaptation Planning

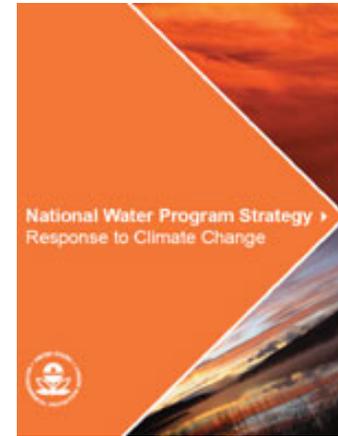


- Policy Statement on Climate Adaptation (June 2011)
- Draft EPA Climate Adaptation Plan (June 2013)
- Draft National Program and Region Implementation Plans (September 2013)

# The National Water Program Climate Change Strategies

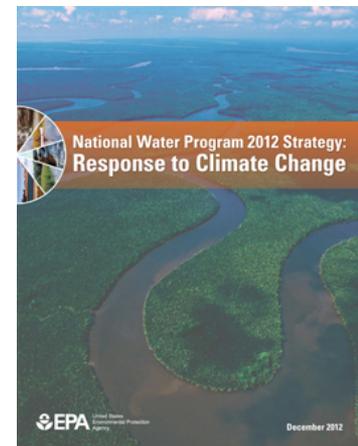
## ➤ 2008 Strategy

- Examined implications of climate change for water resources and EPA mission
- Identified key actions to begin adapting the EPA Water Program over the coming years



## ➤ 2012 Strategy

- Builds on momentum of early programs
- Placed within the broader national and interagency context
- Charts a long-term strategic direction for EPA's water program to be 'Climate Ready'



# National Water Program Climate Change Strategy: Issue Topics

- Infrastructure
- Watersheds and Wetlands
- Coastal and Ocean Waters
- Water Quality
- Working with Tribes





# Climate Ready Tools & Resources

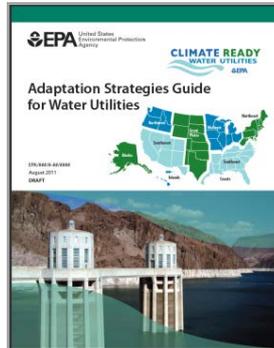
## Climate Ready Process

### Adaptive Response Framework



Explore Elements of Climate Readiness

### Adaptation Strategies Guide



Learn Climate and Adaptation Basics

### Toolbox

- Featured Resource**
- Region Map**
- Activities**
- Funding**
- Publications and Reports**
- Tools and Models**
- Training, Workshops and Seminars**

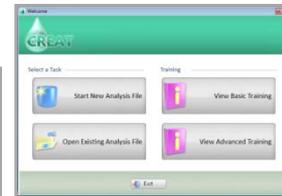
Research and Gather Information

### Extreme Events Workshop Planner



Collaborate with Partners

### Climate Resilience Evaluation and Awareness Tool



Assess Risks and Evaluate Opportunities

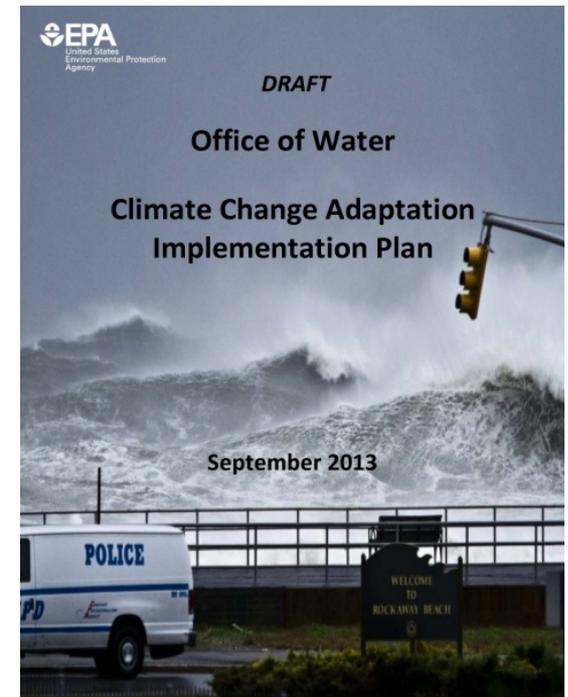
# Climate Ready Estuaries Program

- Through 2012, 37 climate adaptation projects were supported in 23 of the 28 NEP areas
  - Planning for storm surge and sea level rise
  - Critical lands protection
  - Water pollution control
  - Vulnerability assessment
- *Adaptation Planning Workbook* for estuaries and watersheds



# OW Climate Change Adaptation Implementation Plan

- Vulnerability
- Priority Actions
  - National Program Actions
  - Common Regional Actions
- Training and Outreach
- Vulnerable Populations and Places
- Evaluation and Cross Office Projects



# Selected National Priority Actions



- Recognize Climate in CW and DW SRF Program
- Publish Watershed Adaptation Workbook
- Screen Atlantic/Gulf Coast Water Facilities for Storm Surge
- Integrate Climate Change in WQM Planning
- Release Climate Tool for Stormwater Calculator
- Engage Stakeholders on OW Climate Change Council

# EPA Regional Common Priority Actions



- Build Internal/External Communication
- Address Climate at State /EPA Program Planning Meetings
- Promote CREAT and Climate Ready Estuary Programs
- Engage SRFs in Climate Discussions
- Support Coordination Among Federal Regional Offices
- Develop Regional WaterSense Partners

# Possible 2015 State Water Program Climate Adaptation Actions



- Promote Climate Adaptation Training
- Recognize Climate Change in CW and DW SRF Programs
- Be a WaterSense Partner
- Promote Use of CREAT
- Address Climate Change in Community Water System Sanitary Surveys

# EPA Supports Federal Climate Collaborations



- Interagency Climate Change Adaptation Council
- Water Resources Workgroup
- ACWI Climate Change Workgroup
- National Ocean Council Climate Group
- Fish/Wildlife/Plants Joint Implementation Group
- Climate Change and Water Working Group

*Thank you...*

Questions or  
More Information?

➤ <http://www.epa.gov/water/climatechange>

