# Sustainable Water Systems for New Jersey's Cities

New Jersey Environmental Grantmakers
February 12, 2015

Chris Sturm
New Jersey Future



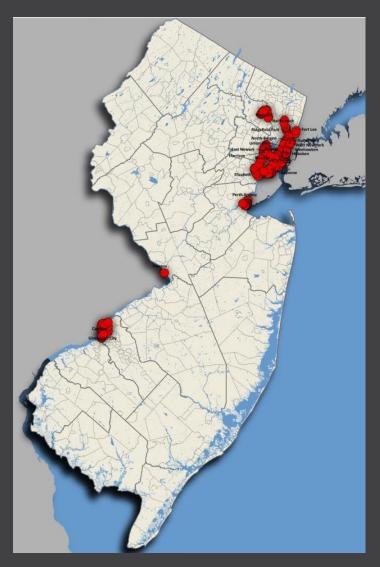
### About New Jersey Future

Smart Growth research, policy, advocacy and assistance





### 21 Cities with Promise





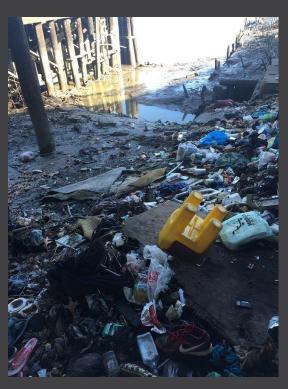


# Understanding the Problem











### New Regulatory Requirements

- Final permits imminent
- "Long Term Control Plans" must be adopted in three to five years
- Decades-long implementation process
- Estimated cost: \$4 13
   billion







## The Opportunity and the Challenge







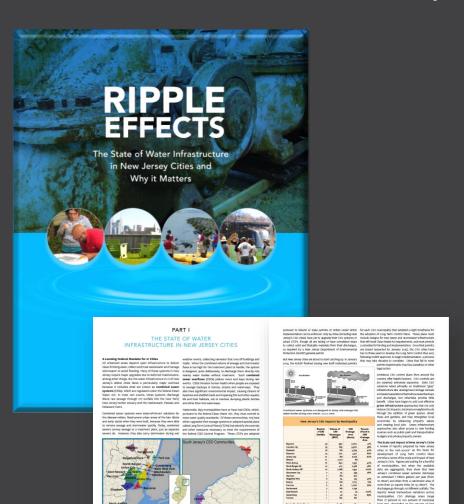








# Research: The State of Water Infrastructure in New Jersey Cities



### Water Infrastructure in New Jersey's CSO Cities:

Elevating the Importance of Upgrading New Jersey's Urban Water Systems

Chapter 3: Water and Water Infrastructure Issue

Water Affected by CID Discharger

The ID Commissions of the Infrastructure Issue

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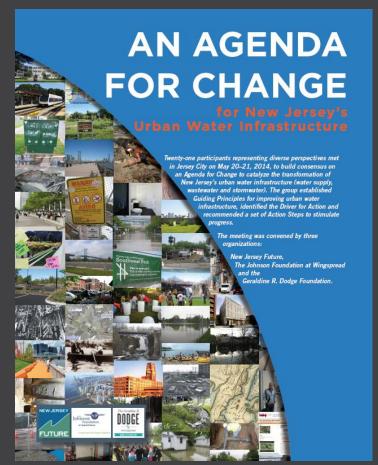
Water Affected by CID Discharger

The Infrastructure Issu



### A Shared Strategic Approach

- Guiding Principles
- The driver for action
- Strategic action steps





### Bridging the Gap to Best Practices

- ✓ Educate and Raise Awareness
- ✓ Promote Best Practices
- ✓ Build Capacity and Foster Collaboration
- ✓ Use Green Infrastructure to Build Support
- ✓ Diversify Funding Sources









### Joining Forces in a Working Group



**NJDEP and USEPA** 

#### **PERMITTEES:**

Regional Wastewater Utilities

#### PERMITTEES:

Municipalities

#### **RATEPAYERS:**

Residents

(who are also voters)

#### **RATEPAYERS:**

Businesses and Property Owners





## Connect and Coordinate www.njfuture.org/water

points in New Jersey

Man of courtesy S.P. Sullivan N.I Advance Media

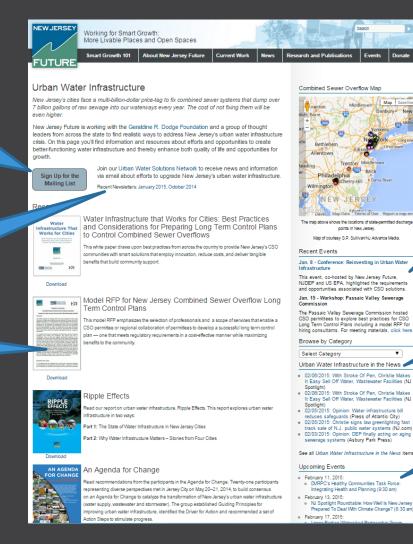
Integrating Health and Planning (9:30 am)

Prepared To Deal With Climate Change? (8:30 am

urban water

**Monthly** e-newsletter

Resources



**Past Events** 

**News Articles** 

**Upcoming Events** 



### Educate and Engage





Saw a movie in a theate Heard a live or

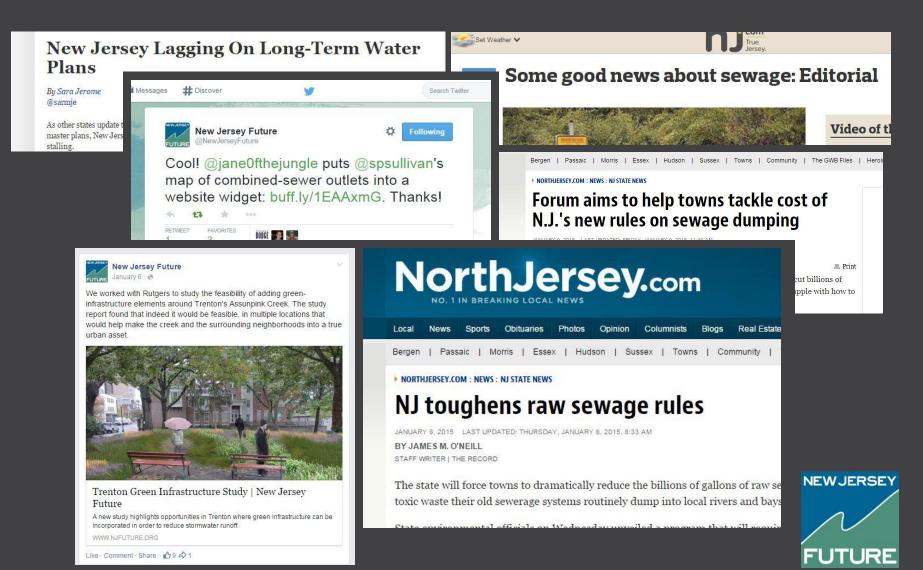
Went bowling

What word(s) would you use to describe

- Daylong Conference on CSO Solutions DEP/EPA/NJF
- Mayor's Lunch
- Coming: regional workshops? Annual conference?
- Survey



### Elevating the Issue



### Promoting Best Practices

# Water Infrastructure That Works for Cities

Best Practices and Considerations for Preparing Long Term Control Plans to Control Combined Sewer Overflows



JANUARY 2015

Prepared for New Jersey Future by Hatch Mott McDonald and HDR





- Best practice resources created for CSO permittees
  - Water Infrastructure that Works for Cities
  - Model RFP



Passaic Valley Sewerage Commission workshop where best practice documents were presented to CSO permittees and needs were discussed.



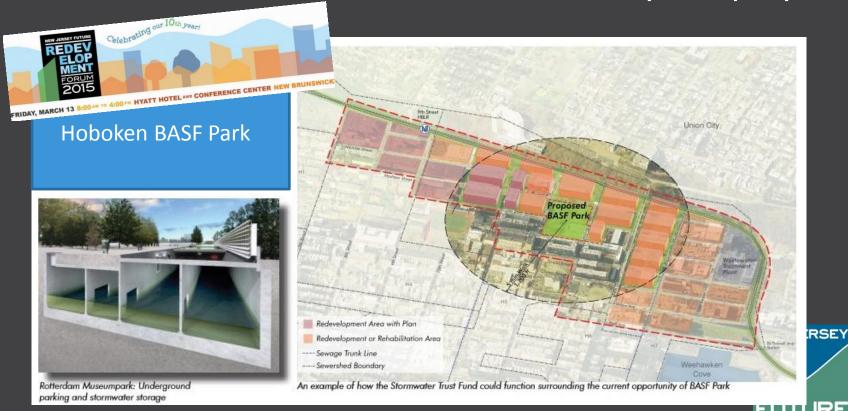
### **Funding Strategies**

"Layered Projects"

Stormwater Fees

User Fees

Affordability & Equity



## Gaps and Opportunities













### Moving Forward Together

Establishing shared goals

Connecting and empowering others

Reaching decision makers





### Thank you!

### Resources

### www.njfuture.org

- Best Practice Reports
- Potential Collaborators
- Newsletter sign-up
- News articles

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