

MEMBERSHIP MEETING

HEALTHY COMMUNITIES
TWO COLLABORATIVES.
ONE VISION.



lead-free-nj



jerseywaterworks

LeadFree_NJ



jerseywaterworks

LeadFreeNewJersey



JerseyWaterWrks

LeadFree_NJ

Welcome

Jersey Water Works vision to transform the water infrastructure requires a persistent commitment to a one water approach and to working together.

- **Lucia Middleton**, The Watershed Institute
- **Richard Henning**, New Jersey Utility Association, JWW Steering Committee Member
- **Pete Kasabach**, New Jersey Future, JWW Steering Committee Member
- **Patricia Ingelido**, New Jersey Department of Environmental Protection

Welcome



Andrea Sapal

Program Coordinator

Jersey Water Works

Just Infrastructure: Water Infrastructure at Work
From: Water Hub



Welcome

Richard Henning

NJ Utility Association

JWW Steering Committee Member

HEALTHY COMMUNITIES

Agenda

- 8:00 a.m. — Breakfast/Networking
- 9:00 a.m. — Welcome Remarks
- 9:30 a.m. — Mini-Keynotes
- 10:30 a.m. — Roundtable / Office Hours
- 11:30 a.m. — Lunch / Networking
- 12:30 p.m. — Green Infrastructure Special Meeting

Lead-Free NJ Meeting

Thank you for your Support

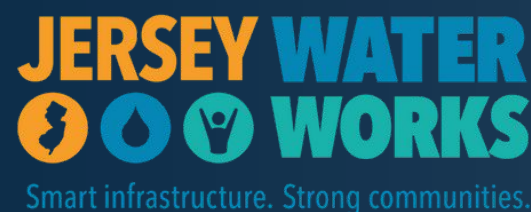
GERALDINE R.
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FOUNDATION



THE
KRESGE
FOUNDATION



ALL MEMBERS



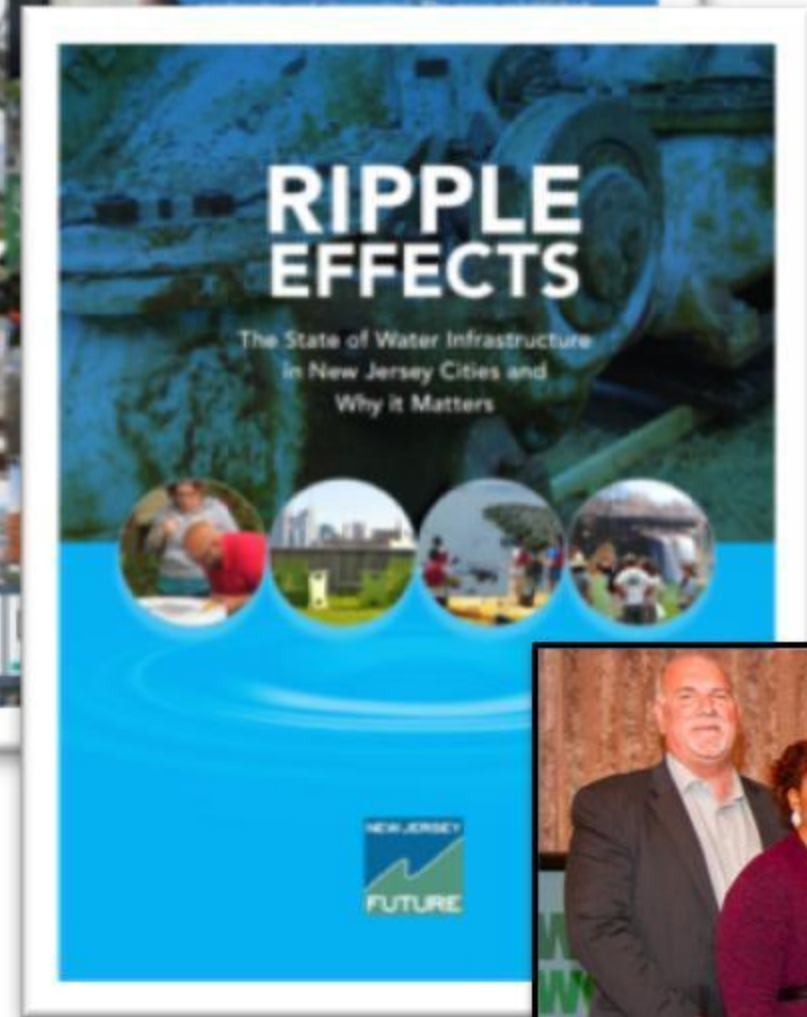
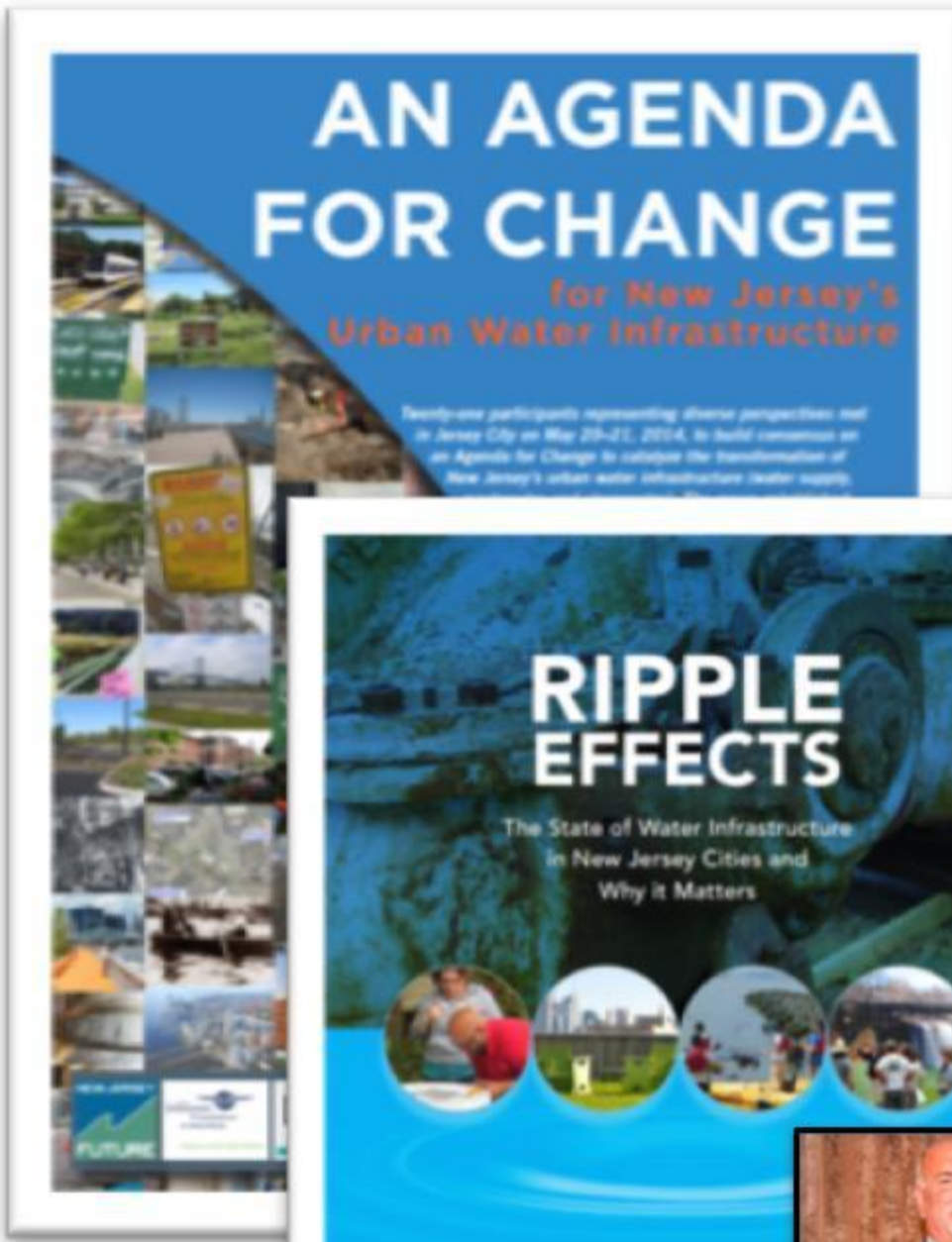


Welcome

Peter Kasabach

New Jersey Future

JWW Steering Committee Member





Lead in Drinking Water: A Permanent Solution for New Jersey

Report of the Jersey Water Works Lead in Drinking Water Task Force



Michael Assante, Veolia North America and HCCC students tour the Oak Street Facility in the City of Bayonne, N.J.

GENERAL BUSINESS

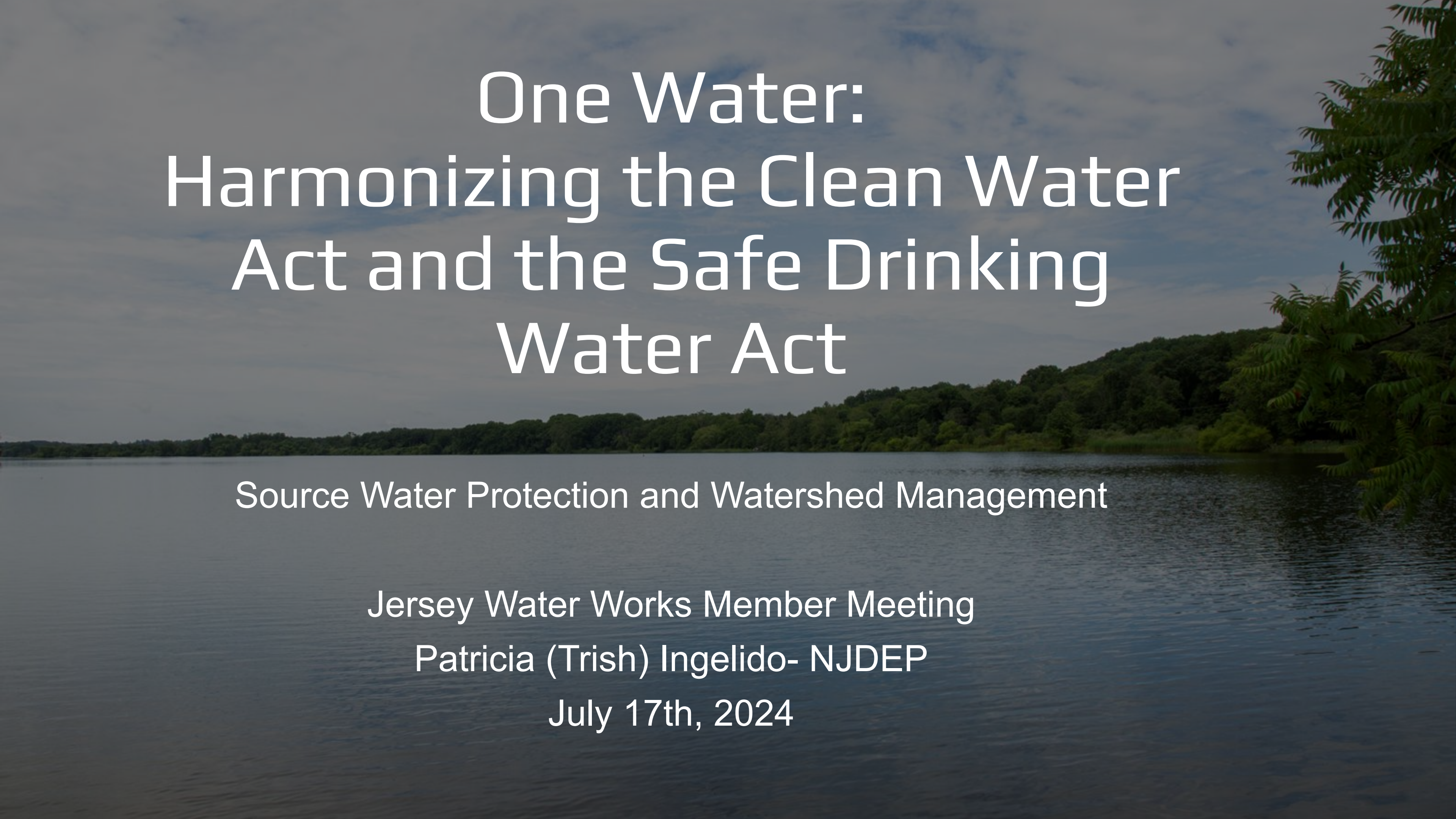
Water Workforce Pilot Program at HCCC Graduates First Cohort

ON DEC 8, 2023

- Combined Sewer Systems
- Lead in Water
- Water Quality Accountability Act
- Stormwater Utilities
- Jersey WaterCheck
- Climate Change Adaptation
- Water Workforce
- PFAS & Other Emerging Contaminants



- **Big tent**
- **Difficult topics**
- **Focused energy**
- **Connector**
- **Elevate issues and voices**
- **Persistent presence**
- **Support structure**
- **Committees**
- **Commitment**



One Water: Harmonizing the Clean Water Act and the Safe Drinking Water Act

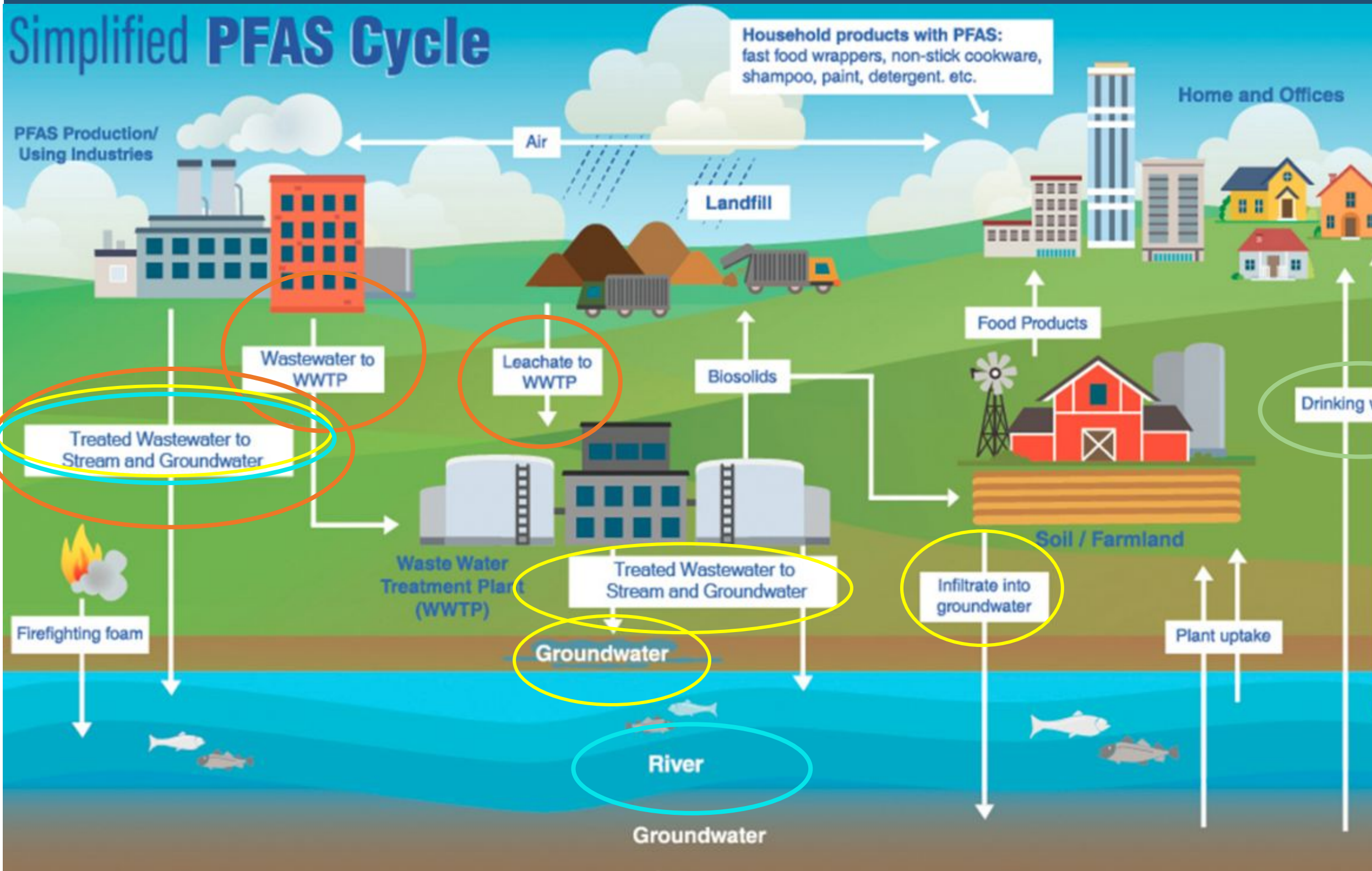
Source Water Protection and Watershed Management

Jersey Water Works Member Meeting

Patricia (Trish) Ingelido- NJDEP

July 17th, 2024

NJDEP Water Resource Management Program Policy Development & Implementation – Standards/Strategies



Developed & Implemented Standards

Ground Water Quality Standards **Drinking Water MCLS**

- PFNA 0.013 ug/L (2018)
- PFOA 0.014 ug/L (2020)
- PFOS 0.013 ug/L (2020)

Interim Ground Water Quality Standards

- CIPFPECAs 0.002 ug/L (2023)
- Gen X 0.02 ug/L (2023)

Developing Standards

Surface Water Quality Standards

- Anticipated DW SWQS for PFNA, PFOA, PFOS
- Anticipated SWQS criteria based on BAF

Identify/Reduce/Eliminate Strategy

Pretreatment

- Industrial facilities discharging wastewater to a POTW
- Industrial facilities regulated by a Delegated Local Agency

Surface Water

- Industrial Facilities discharging treated wastewater directly to Surface Water

Contaminant

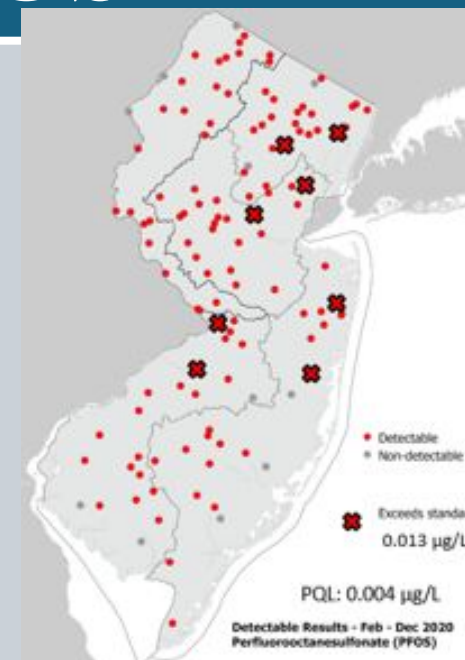
Surface Water

PFAS (at least one) found in over 80% of samples. Exceedances of PFOA and PFOS MCL.

PFOA



PFOS

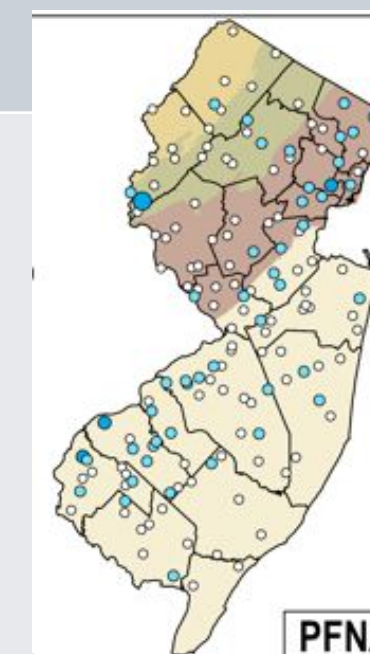
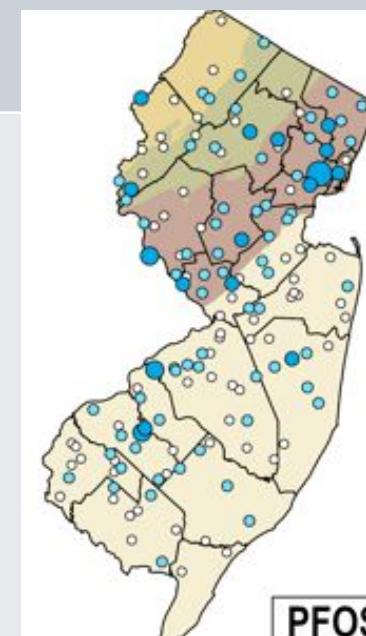
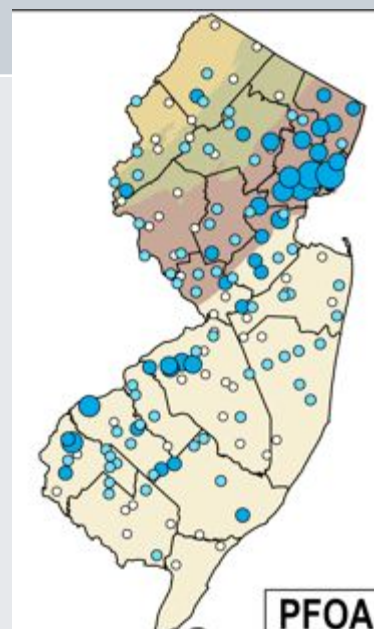


PFNA

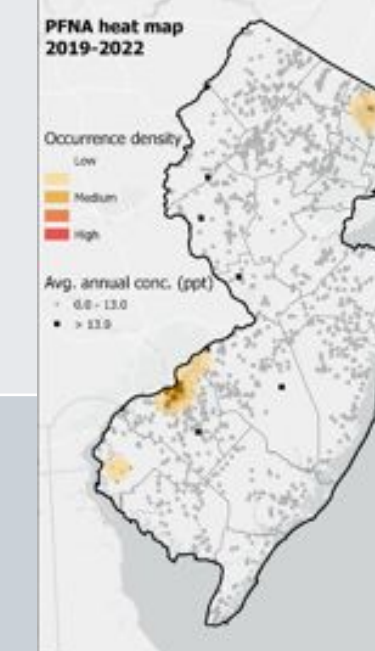
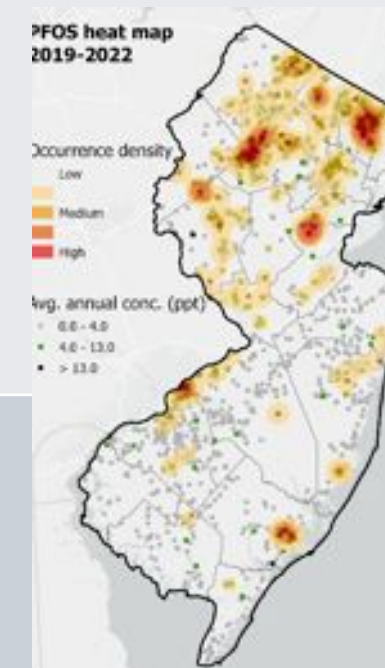
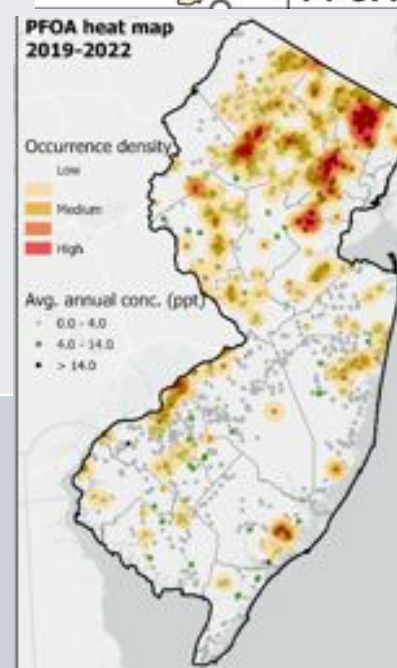


Ground Water

PFAS (at least one) found in 79% of wells sampled



Public Water Systems



Challenges of Today

Quality of the Resource

Aging Infrastructure

Emerging Contaminants

Quickly Changing Science

Need for Technology to Keep up
with Quickly Changing Science

Climate Change

Increased
Public Demand for Information

Ensuring Coordinated
Consistent Public
Education/Messaging/Engagem
ent

Cybersecurity and Bioterrorism

Workforce Development

Funding

True Cost of Water



Harmonizing the SDWA and the CWA

Source Water Protection and Watershed Management

CWA Tools to Protect the Resource

Designate the use or uses of surface waters

Adopt ambient water quality criteria (numeric or narrative) to protect these designated uses

Protect high-quality waters through anti-degradation provisions

Compliance and Enforcement

SDWA Tools to Protect the Resource

Establishment of Standards

Monitoring and Reporting Requirements

Source Water Assessment Programs

Compliance and Enforcement



Source Water Assessment and Protection Program

<https://www.nj.gov/dep/watersupply/swap/>



New Jersey Source Water Assessment Program Plan



New Jersey
Department of Environmental Protection

Water Supply Administration
Division of Science, Research, and Technology
Division of Watershed Management

Approved by the United States Environmental Protection Agency
November 1999

Source:

<https://www.epa.gov/sourcewaterprotection/assess-plan-and-protect-source-water>



Source Water Assessment Program Principles

All sources of drinking water are important to the citizens of New Jersey

Both pathogens and chemicals threaten drinking water sources.

Any pollution activity within the watershed has the potential to impact water quality at a surface water intake

There are both short term and long-term strategies that can be used to protect ground water sources.



Enhanced Source Water Assessment and Protection

Conduct Updated Assessment:

- Evaluating the traditional susceptibility modeling and updated source water areas
- Identify any additional measures of water quality (ECs, HABs etc.) and watershed health that need to be assessed
- Incorporate findings from the Integrated Water Quality Assessment Report
- Assessments that outline priority areas, potential programs for remediation, and C1 recommendations

Develop Updated Source Water Specific Action Plans:

- Developed in collaboration with a technical / citizen advisory committees
- Generate assessments by Water Region (5 areas, follows Integrated Report)
- Opportunities for funding projects using source water grants and loans



Initial Actions Starting to Look To the New Future

NJ Water Supply Plan

Source Water Protection

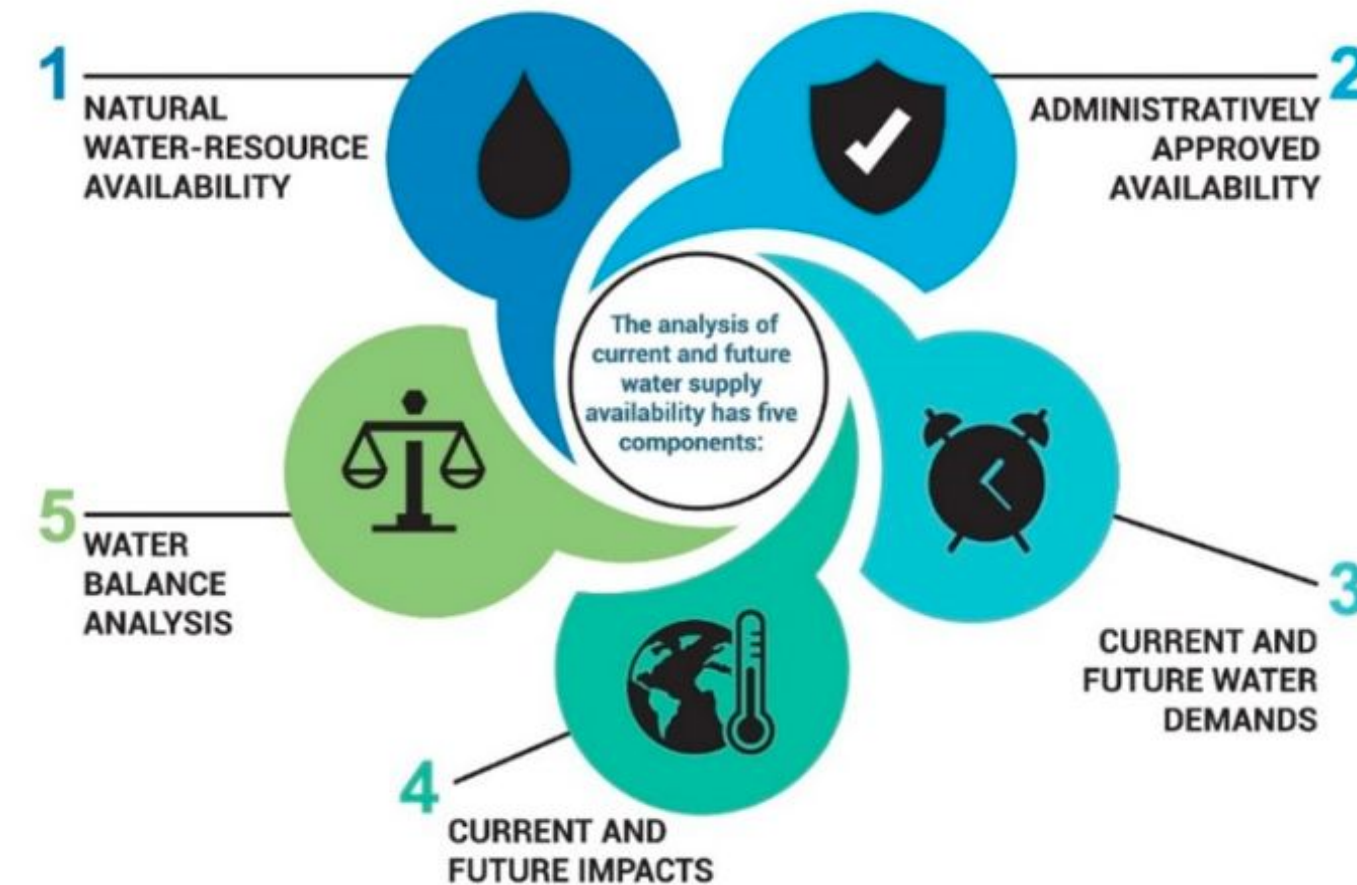
Various Contaminant Track Downs

Data Gathering in NJPDES Program

Water and Wastewater PFAS Working Group

Enhanced Outreach – Our Water's Worth It

Understanding where water supplies are adequate to meet current and future demands requires clear analysis of natural water availability, the infrastructure necessary to store and transmit the water, and the regulatory conditions which control its use.



New Jersey Department of Environmental Protection
Division of Water Supply & Geoscience

<https://dep.nj.gov/water-supply-plan/>

OUR WATER'S WORTH IT



Welcome

Lucia Middleton,

Community Water Advocate

The Watershed Institute

JWW Member

Funding Our Work and Water Workforce Development

Matthew DeNafo, PE, CME

President

The Atlantic County Utilities Authority (ACUA) is a public agency that provides environmental and waste management services to residents and businesses in Atlantic County and South Jersey.





Funding Our Work

- I-Bank Funding along with subsequent Federal Programs
 - ARRA
 - Sandy Resiliency
 - BIL
 - IRA
- NJBPU
- NJDEP
- EPA
- State Budget Appropriations
- Federal Budget Appropriations
- DOE
 - Shared Services
 - Lab Service
 - Pump Station Maintenance
 - HR/Payroll Services
 - Social Media
 - Stormwater Cleaning
 - Street Sweeping



Workforce Development

Internal Staff Development

- Apprentice Programs
 - Electrical Apprentice
 - Instrumentation Apprentice (50% grant ACWFD)
- Internal Positions
- AEA Leadership Development Program
- ACUA Internal Leadership Program
- CDL Training (50% grant ACWFD)

External Recruitment/Development

- Pre-Apprenticeship in Career Education (PACE)
 - High School Student
 - NJDOLWD Funded
- Rowan University Internship
 - HS Seniors and College Freshmen
 - Funded through EPA Grant

Matthew DeNafo, PE, CME
President mdenafo@acua.com
609.272.6991



ADVANCING WATER INFRASTRUCTURE

Exploring EPA's Proposed Water Restructure Rule Opportunities in New Jersey

Andy Kricun

Moonshot Missions
JWW Steering Committee Co-Chair

INCREASING CHALLENGES FOR WATER INFRASTRUCTURE

- aging infrastructure
- aging workforce
- more stringent regulations (lead and copper, PFAS, disinfection byproducts, etc.)
- climate change
- cybersecurity

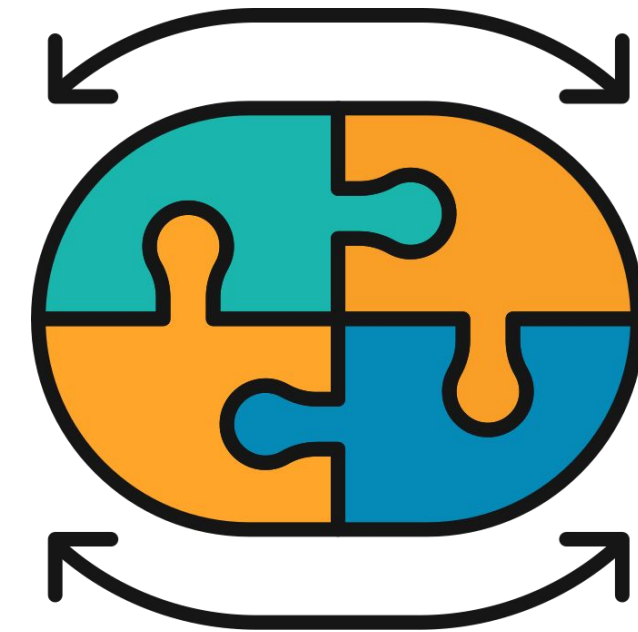
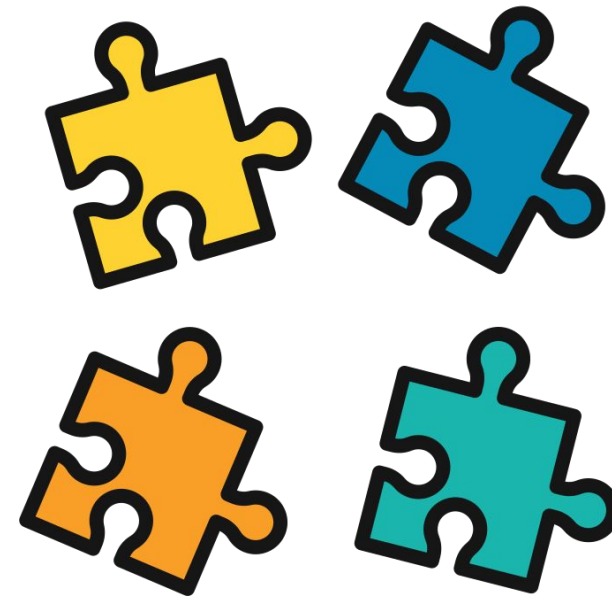
FUNDING SHORTFALLS

Increased SRF funding is helpful but....

- only a temporary increase
- will be reduced by return to earmarks
- do not, and never have, included operations, maintenance or management costs

NEED ECONOMIES OF SCALE, where feasible

- regionalization
- consolidation
- cooperatives
- shared services



EPA NEW RESTRUCTURING RULE PROPOSAL

- provides guidance to states for encouraging review of economies of scale
- currently limited to drinking water, not wastewater or stormwater
- proposing voluntary adoption of governance changes



THE NEED FOR EQUITY CONSIDERATION

The restructuring rule could be an effective path to much needed economies of scale but....

- should include protections for smaller, less resourced, utilities to ensure that they are treated equitably
- should include "safe harbor" protections to ensure that larger utilities adding smaller utilities are not liable for past violations

EPA is requesting public comment on the proposed regulation
through July 29, 2024

Jersey Water Works Annual Meeting

July 17, 2024

Diane Schrauth, Policy Director, Water



NEW JERSEY FUTURE



New Jersey Future works to create strong, healthy, resilient communities for everyone.



We envision great places for our community members and visitors to live, work, and play, and we help communities and state government make that vision a reality.



We do this through original research, innovative policy development, coalition-building, advocacy, hands-on strategic assistance, and community partnerships.



NJ Water Policy & Funding Opportunities

1. NJDEP Regulations

NJ Resilient Environment and Landscapes (REAL) Rules

- Expect to be released next month
- Proposes to close longstanding loopholes for stormwater on redevelopment projects
- Requires municipalities to incorporate climate resilience planning into their stormwater master plan

NJ Lead and Copper Rule

- Still waiting...

2. Legislative Agenda

Disclosure of Lead in Drinking Water (A2929/S1034)

- Requires disclosure of lead drinking water hazards to tenants of residential units

Water Rate Affordability (S286)

- Allows publicly owned water, wastewater, and stormwater utilities to offer discounts to low-income customers

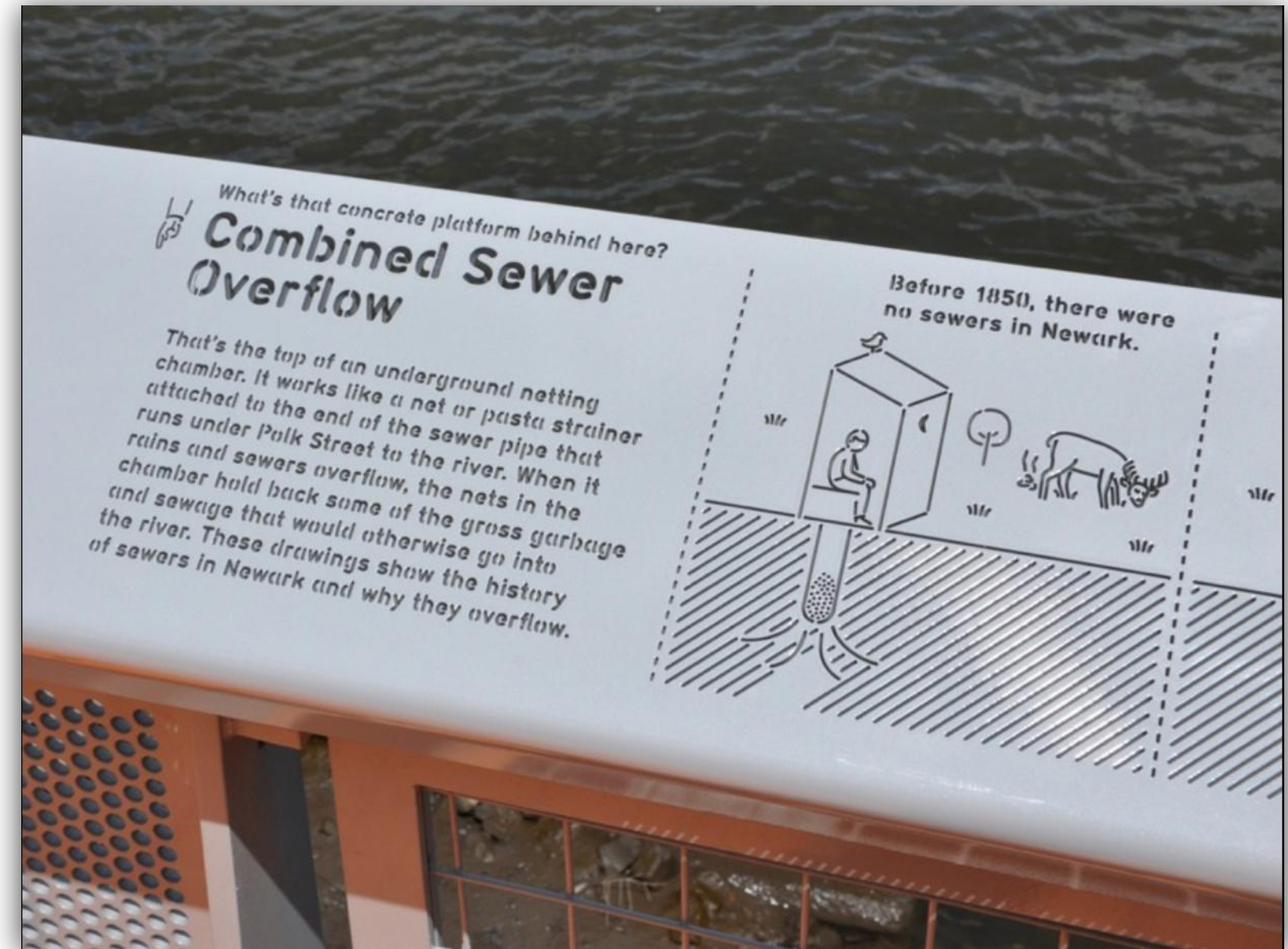
Water Infrastructure Center (A4506/S998)

- Provides for establishment of New Jersey Water Infrastructure Center at institute of higher education designated by DEP

3. Permits

Combined Sewer Overflows

- Eager for the finalization of three more permits and the release of the Passaic Valley Sewerage Commission and Perth Amboy draft permits.
- NJDEP released a separate Guide to CSO Public Engagement that will be leveraged by the CSO regional supplemental teams.



4. Funding for Water Infrastructure

- Lots of federal funding available for water infrastructure right now
- The Water Bank is offering terrific packages for water systems to address issues such as lead in drinking water, CSOs, emerging contaminants, etc.
- Unprecedented technical assistance available
- Decades of underinvestment means even the historic once-in-a-generation influx of funding falls far short of the actual needs
- State reduced its match to federal water infrastructure funding in this year's budget.



Things to keep an eye on...

**Perfluoroalkyl and Polyfluoroalkyl
Substances (PFAS)**

Federal Earmarks and the SRFs

Water Infrastructure Grants in Schools

**Water Quality Accountability Act
Administrative Penalty Rules**

Keep Up to Date

**Questions? Please contact Diane
Schrauth at dschrauth@njfuture.org**

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Next on the Agenda

10:30 a.m. — Roundtable (remain here)

10:30 a.m. — Office Hours (by appointment only)

ISSUE IMPACT UPDATES AND PROGRESS PRESENTATION

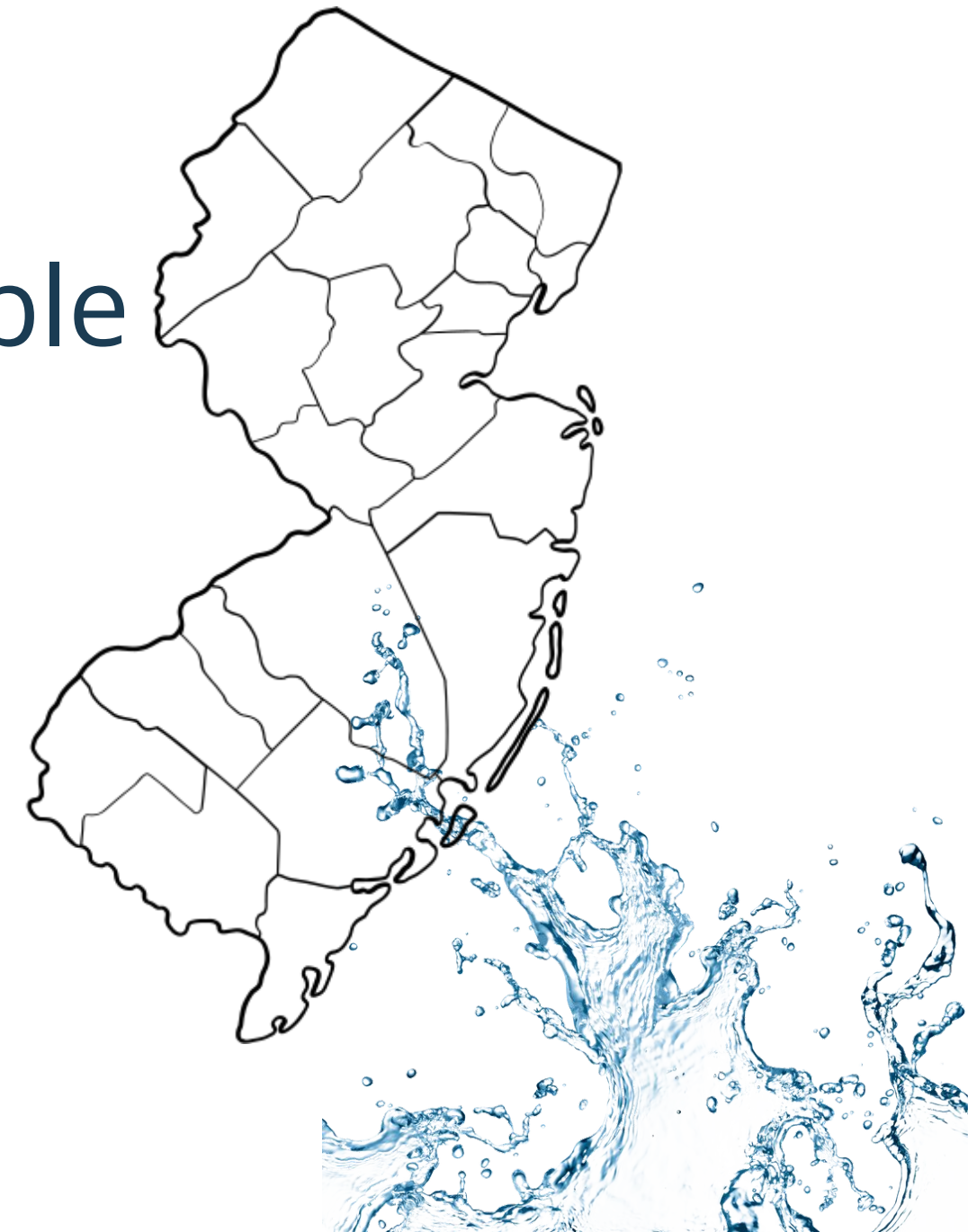
Nicole Miller

MnM Consulting
JWW Steering Committee Co-Chair

Top 10 Jersey Water Works Values

1

Every person in New Jersey deserves clean, safe, and equitable water outcomes and a healthy environment that nurtures their full potential.



Top 10 Jersey Water Works Values

2

Every dollar of spending on water infrastructure is vital to the health and safety of our residents.

Our Water Infrastructure requires heavy investments now and in the next 20 years.

What is needed to
keep our water safe

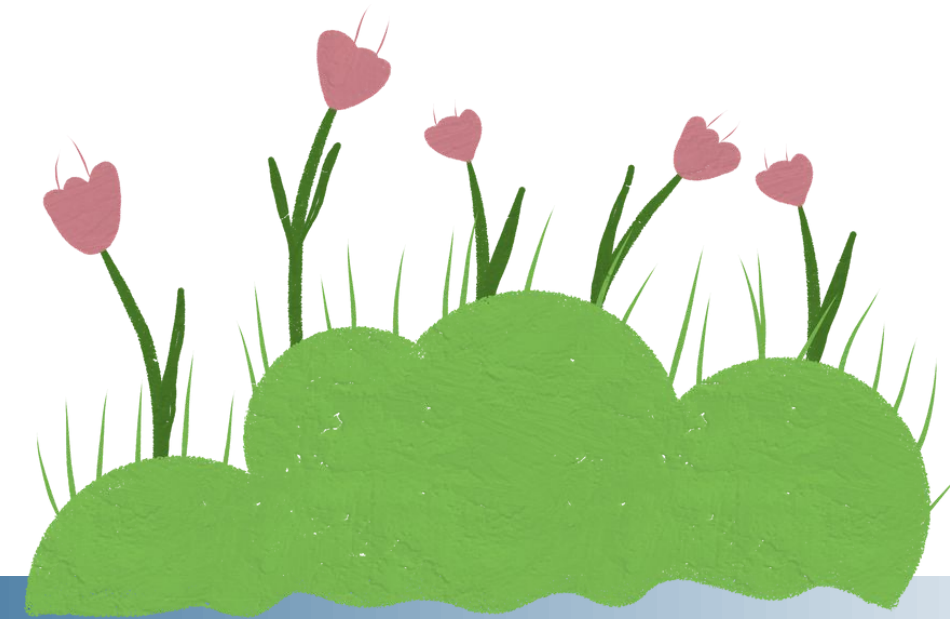
Funding



Top 10 Jersey Water Works Values

3

Employing **green infrastructure** maximizes community benefits including reduced flooding and improved water quality, local economies, community health and long-term resiliency.



Top 10 Jersey Water Works Values

4

Transformational solutions must be implemented and accelerated.

MS⁴ GSO LSLR NJ REAL

Top 10 Jersey Water Works Values

5

Full transformation of our water systems requires **political will**.



Top 10 Jersey Water Works Values

6

We can't do this
without human
infrastructure.

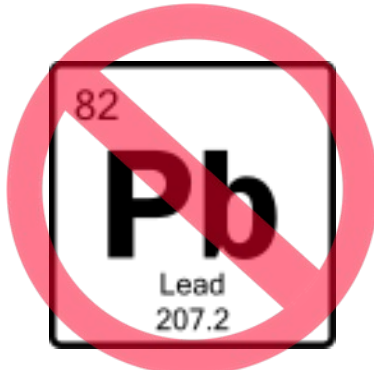


Top 10 Jersey Water Works Values

7

Our individual behaviors matter.

WATER
conservation



Top 10 Jersey Water Works Values

8

We must strengthen
public trust in water.



Top 10 Jersey Water Works Values

9

Jersey Water Works
membership
matters because
our work matters.



Top 10 Jersey Water Works Values

10

Collective Impact

- advance equity
- learn together
- align efforts
- integrate actions

Achieve population and
systems level change

Roundtable Discussions

1. **Introduce yourself.**
2. **Share two important issues** within this topic that matters to you.
3. **What is the problem** within this topic or issue area that we can **solve or shift** in the next five years (**2025 -2030**)?
4. **What gap** can JWW fill?



Thank you!

Next on the Agenda

11:30 a.m. to 12:30 a.m. Lunch and Networking

Remain here - Large Room

12:30 p.m. - 2:30 p.m. Green Infrastructure Special Meeting

Breakout Room

12:30 p.m. - 2:40 p.m. Lead-Free NJ Meeting

Remain here - Large Room