

# Agenda

## 2:30 – 3:00 PM Launch of the National Water Reuse Action Plan—Federal Leadership

- Administrator Andrew Wheeler, U.S. Environmental Protection Agency
- Secretary David Bernhardt, U.S. Department of the Interior
- Secretary Sonny Perdue, U.S. Department of Agriculture
- Chairman Mary Neumayr, Council on Environmental Quality
- Congressman Bruce Westerman, Fourth District of Arkansas
- Governor Kevin Stitt, Oklahoma (video remarks), introduction by Kenneth Wagner, Oklahoma Secretary of Energy and the Environment

## 3:00 – 4:00 PM National Water Reuse Action Plan—Collaborative Implementation

### Actions to Support Implementation of Water Reuse

- David Ross, Assistant Administrator for Water, U.S. Environmental Protection Agency

### Perspectives from Water Reuse Practitioners

- Gilbert Trejo, Chief Technical Officer, El Paso Water, TX
- Christophe Cros, Chairman, SUEZ North America
- Paul Jones, General Manager, Eastern Municipal Water District, CA

### Example Actions by WRAP Leaders – Video Collage

- Patricia Sinicropi, Executive Director, WaterReuse Association
- Paula Kehoe, Director of Water Resources, San Francisco Public Utilities Commission
- Adam Krantz, CEO, National Association of Clean Water Agencies
- Alon Zask, Senior Deputy Director General for Natural Resources, Israeli Ministry of Environmental Protection

### International View – Taking the WRAP Global

- Marcia Bernicat, Principal Deputy Assistant Secretary, U.S. Department of State

### Federal Leadership and Commitment

- Dr. Tim Petty, Assistant Secretary for Water and Science, U.S. Department of the Interior
- Daniel Simmons, Assistant Secretary, U.S. Department of Energy
- Ryan Fisher, Principal Deputy Assistant Secretary, U.S. Army Corps of Engineers
- Brenda Burman, Commissioner, Bureau of Reclamation, U.S. Department of the Interior
- Matt Lohr, Chief, Natural Resources Conservation Service, U.S. Department of Agriculture

### Closing Remarks – Our Collective Commitment to WRAP Implementation

- David Ross, Assistant Administrator for Water, U.S. Environmental Protection Agency

Event will be livestreamed; registered press in attendance.

# National Water Reuse Action Plan

## Collaborative Implementation (Version 1)



The Gates Foundation

Eastern Municipal Water District

## Improving the Security, Sustainability, and Resilience of Our Nation's Water Resources

### Launch Event

February 27, 2020

U.S. Environmental Protection Agency

Washington, DC

“Diversifying our nation's water portfolio must be a nationwide priority, and water reuse has the potential to ensure the viability of our water economy for generations to come.”

—David Ross, Assistant Administrator for Water, U.S. EPA

“We thank all the action leaders, partners, and collaborators and encourage others to join the effort... Together, we can make considerable progress as we move into a new era of collaborative action and accountability and ensure the security, sustainability, and resilience of our nation's water resources.”

—Andrew R. Wheeler, Administrator, U.S. Environmental Protection Agency





### Integrated Watershed Action

Develop a Federal Policy Statement to Support and Encourage Consideration of Water Reuse in a Watershed-Scale Planning Context (Action 2.1.1)  
**Action Leader: EPA**

Prepare Case Studies of Successful Water Reuse Applications Within an Integrated Water Resources Management (IWRM) Framework (Action 2.1.2)  
**Action Leader: WaterReuse**

Leverage EPA's Water Partnership Programs to Consider Water Reuse in the Context of Integrated Water Resources Management at the Watershed Scale (New Action 2.1.4)  
**Action Leader: EPA**



### Policy Coordination

Compile Existing State Policies and Approaches to Water Reuse (Action 2.2.1)  
**Action Leaders: EPA, WaterReuse, ACWA, ASDWA**

Enhance State Collaboration on Water Reuse (Action 2.2.2)  
**Action Leaders: EPA, ACWA, ASDWA**

Complete the EPA Study of Oil and Gas Extraction Wastewater Management (Action 2.2.3)  
**Action Leader: EPA**

Enhance Wastewater Source Control through Local Pretreatment Programs to Support Water Reuse Opportunities for Municipal Wastewater (Action 2.2.4)  
**Action Leaders: NACWA, WEF**

Develop Informational Materials to Address How CWA NPDES Permits Can Facilitate Water Reuse/Capture (Action 2.2.6)  
**Action Leaders: EPA, ACWA**

Utilize Existing Multi-Agency Federal Working Groups to Serve as Forums for Coordinated Federal Engagement on Water Reuse (Action 2.2.7)  
**Action Leader: EPA**



### Science and Specifications

Compile Existing Fit-for-Purpose Specifications (Action 2.3.1)  
**Action Leader: EPA**

Convene Experts to Address Opportunities and Challenges Related to Urban Stormwater Capture and Use (Action 2.3.3)  
**Action Leaders: EPA, JFW, NMSA, ReNUWit, WaterReuse, WEF**

Develop Research and Tools to Support the Implementation of Onsite Non-Potable Water Reuse Systems (ONWS) (Action 2.3.4, previously 2.6.5)  
**Action Leaders: NBRC for ONWS**

Assess Specifications for Potential Reuse of Wastewater in Food Animal Protein Processing Facilities (New Action 2.3.5)  
**Action Leader: EPA**



### Technology Development and Validation

Implement New Mexico Produced Water Research Consortium to Identify and Fill Science and Technology Gaps for Off-Field Use of Treated Produced Water (Action 2.4.2)  
**Action Leader: NMED**

Support Water Reuse Through the U.S. Department of Energy's Water Security Grand Challenge (Action 2.4.3)  
**Action Leader: DOE**

Promote Air-Cooling Condensate Water Reuse Standards, Methods, Tools, and Technologies for Implementing Systems in Large Buildings (New Action 2.4.5)  
**Action Leaders: ASHRAE, IAPMO, EPA, WW, WTA**



### Water Information Availability

Foster U.S. Department of Agriculture Watershed-Scale Pilot Projects to Share Water Information to Support Water Reuse Actions (Action 2.5.1)  
**Action Leader: USDA**

Develop National Integrated Water Availability Assessments (New Action 2.5.4)  
**Action Leader: USGS**



### Finance Support

Compile Existing Federal Funding Sources for Water Reuse and Develop an Interagency Decision Support Tool (Action 2.6.1)  
**Action Leader: EPA**

Clarify and Communicate the Eligibility of Water Reuse Under the Clean Water and Drinking Water State Revolving Fund (SRF) Programs (Action 2.6.2A)  
**Action Leader: EPA**

Continue to Actively Support and Communicate the Eligibility of Water Infrastructure and Financing Innovation Act (WIFIA) Funding for Water Reuse (Action 2.6.2B)  
**Action Leader: EPA**

Compile and Promote Existing U.S. Department of Agriculture Funding and Resources for Rural Communities (Action 2.6.4)  
**Action Leader: USDA**



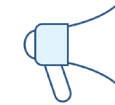
### Integrated Research

Develop a Coordinated National Research Strategy on Water Reuse (Action 2.7.2)  
**Action Leader: WRF**

Increase Understanding of Current Aquifer Storage and Recovery Practices (Action 2.7.4)  
**Action Leaders: GWPC, EPA**

Coordinate and Promote Water Reuse Technology in Federal Small Business Innovation Research Programs (New Action 2.7.5)  
**Action Leader: EPA**

Develop U.S. Bureau of Reclamation Advanced Water Treatment Research Roadmap (New Action 2.7.6)  
**Action Leader: Reclamation**



### Outreach and Communications

Compile and Develop Water Reuse Program Outreach and Communication Materials (Action 2.8.1)  
**Action Leader: WaterReuse**

Establish a Water Reuse Champion Award Program for Private Sector Companies (New Action 2.8.4)  
**Action Leaders: GreenBiz, WaterReuse**



### Workforce Development

Support and Promote Opportunities for Creating a Skilled Workforce for Water Reuse Applications (Action 2.9.2)  
**Action Leaders: EPA, WaterReuse, AWWA, WEF**



### Metrics for Success

Facilitate Implementation of the National Water Reuse Action Plan (Action 2.10.3)  
**Action Leader: EPA**



### International Collaboration

Facilitate U.S.-Israel Collaboration on Technology, Science, and Policy of Water Reuse (New Action 2.11.1)  
**Action Leaders: EPA, MoEP**

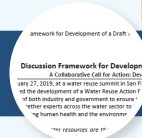
Raise Global Awareness and Preparedness for Water Reuse and the Water Reuse Action Plan (New Action 2.11.2)  
**Action Leader: DOS**

“The WRAP presents a unique opportunity for the water sector, policy-makers, and the broader public to collaborate on a set of specific activities that collectively can result in significant progress toward advancing the adoption of water recycling practices across the [United States].”

—WaterReuse Association, National Association of Clean Water Agencies, American Water Works Association, Water Environment Federation, Association of Metropolitan Water Agencies, Water Research Foundation



Feb 27, 2019  
EPA announces development of a National Water Reuse Action Plan (San Francisco, CA)



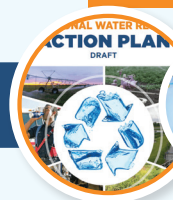
Apr 18, 2019  
Release of Discussion Framework to describe plan development



Apr 18, 2019  
Expert convening session (Hosted by WaterReuse in Washington, DC)



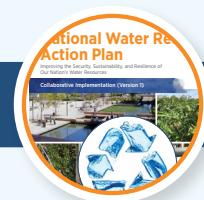
May 9, 2019  
Expert convening session (Hosted by WaterReuse in San Diego, CA)



Sep 10, 2019  
Release of draft Action Plan (WaterReuse Symposium; San Diego, CA)



Sep 23, 2019  
Example outreach event (WEFTEC 2019; Chicago, IL)



Feb 27, 2020  
Release of Action Plan (Version 1) (Washington, DC)

## Continuing Implementation: 2020 and Beyond



### WRAP Online Platform ([www.epa.gov/waterreuse](http://www.epa.gov/waterreuse))

- Searchable access to all actions (developed and undeveloped)
- Contact information for action owners and partners to facilitate collaboration
- Complete listing of action implementation milestones
- Regular updates to reflect progress on existing milestones and to add new milestones, collaborators, and actions

### Imagining Development of the Action Plan (Version 2)...

- Ongoing stakeholder engagement and communication
- Issue *Federal Register* notice for public input (September 2020)
- Report on implementation progress and initiate Version 2 at the 35th Annual WaterReuse Symposium (Denver, CO; September 2020)
- Release Version 2 during Water Week (April 2021)