

U.S. EPA NATIONAL WATER REUSE ACTION PLAN (WRAP) 2.0

SEPTEMBER 9, 2026
2:00-3:00 PM ET | 11:00AM-12:00PM PT

WATEREUSE ASSOCIATION WEBCAST SERIES

Water Reuse Action Plan **2.0**

*Multiplying Water Benefits,
Maximizing American
Prosperity*

ENGAGE.
EDUCATE.
ADVOCATE.



A Few Notes Before We Start...

- Today's webcast is scheduled for 60 minutes.
- A PDF of this presentation will be shared afterwards via email
- Please type questions for the presenters into the Q&A box located at the bottom of your screen.
- There is one (1) Professional Development Hour (PDH) available for this webcast. Please email webcasts@watereuse.org if you run into any issues



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TODAY'S PRESENTERS



MODERATOR
Greg Fogel
Director of Government
Affairs and Policy
WaterReuse Association



Sargon de Jesus
Physical Scientist
U.S. Environmental
Protection Agency



Sydney Cunniff
Environmental Engineer
U.S. Environmental
Protection Agency

WRAP 2.0 and EPA's Water Reuse Program

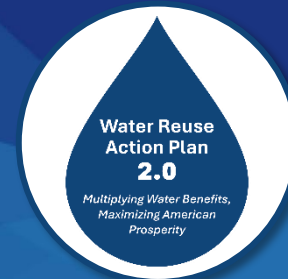
WaterReuse Association
September 9, 2026



Water Reuse Action Plan **2.0**

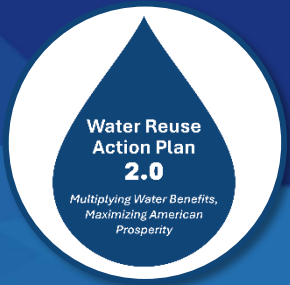
*Multiplying Water Benefits,
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Prosperity*

Presentation Topics



- Water Reuse Action Plan and Launch of WRAP 2.0
- Recent activity and outputs since start of WRAP 2.0
- WRAP tools & resources to support water reuse
- Highlights of EPA's future water reuse at data centers
- Call to action

Background on the Water Reuse Action Plan (WRAP)



Purpose

- Convenes reuse stakeholders to identify and reduce barriers across the sector.
- Provides financial and technical information that advances implementation of reuse.
- Helps address the need for centralized resources and increased coordination on water reuse topics.



PROGRESS
SINCE
INCEPTION

2020

2026

37 actions	➔	96 actions
86 partners	➔	216 partners
101 comments	➔	215+ resources

The WRAP Track Record: Stakeholder-Informed with Practical Results

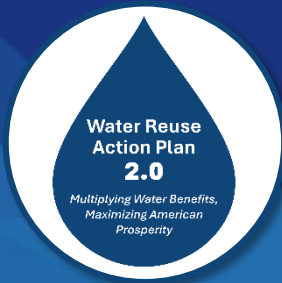
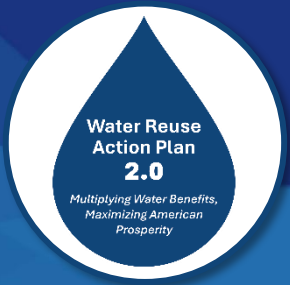


Table 2. Most Frequently Mentioned (Supported) Actions Identified in the Public Docket

Action	Supportive Commenters	Developed Action? (Yes/No)
Action 2.3.2: Develop frameworks for public and environmental health risk-based targets	19	No
Action 2.1.3: Incorporate water reuse and capture concepts into integrated planning efforts at the local level	17	No
Action 2.4.1: Integrate, coordinate, and enhance technology demonstration and validation programs to provide reliable performance information to support water reuse	16	No
Action 2.6.2: Promote eligibility of existing State Revolving Fund (SRF) and Water Infrastructure Finance and Innovation Act (WIFIA) funding for water reuse	16	Yes
Action 2.2.1: Compile state policies and approaches to implement water reuse programs	16	Yes
Action 2.1.2: Prepare case studies of successful applications of water reuse within an integrated water resources management framework	15	Yes
Action 2.8.1: Compile and develop water reuse program outreach and communication materials	15	Yes
Action 2.3.3: Convene experts to address challenges related to stormwater capture and reuse	14	Yes
Action 2.8.3: Pursue a national branding campaign for water reuse	13	Yes
Action 2.2.4: Enhance wastewater source control through local pretreatment programs to support water reuse opportunities for municipal wastewater	13	Yes
Action 2.2.2: Enhance state collaboration on water reuse	12	Yes
Action 2.2.6: Develop informational materials to better enable water reuse in Clean Water Act (CWA) National Pollutant Discharge Elimination System (NPDES) permits	12	Yes
Action 2.6.1: Compile existing federal funding sources for water reuse	11	Yes
Action 2.3.1: Compile existing fit-for-purpose specifications	11	Yes

- Current and future work was informed by a public docket and other public forums
- WRAP has made progress on the majority of topics
- The initiative's core principles remain unchanged, even new energy focused on high-priority areas.

WRAP 2.0 Launch



WRAP 2.0 Launch Event

April 16, 2026

In April 2026, EPA Administrator Lee Zeldin launched the Water Reuse Action Plan 2.0 at EPA HQ

WRAP 2.0 harnesses the power of water reuse for:

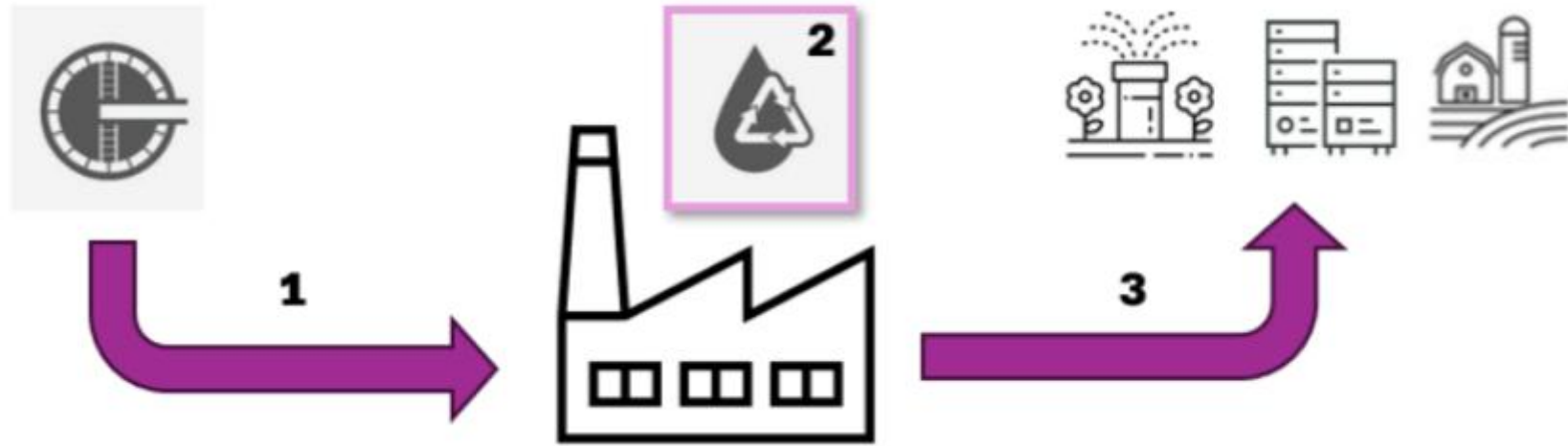
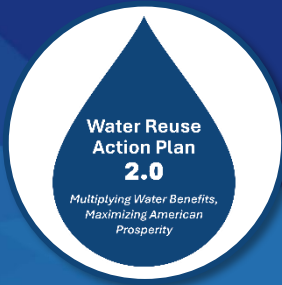
- American industry
- The artificial intelligence (AI) future and
- American energy dominance

All while strengthening public health protections and safeguarding the nation's water resources.

Water reuse is a big win for MAHA, since it preserves local water supplies for drinking and transforms wastewater into a beneficial use.



Three Areas of Opportunity to Further Industrial Water Reuse



Objective

Opportunity

1 – Get industry access to reliable sources of reclaimed water that is fit for their purpose

Better guidance on treatment performance/targets can help states approve permits faster

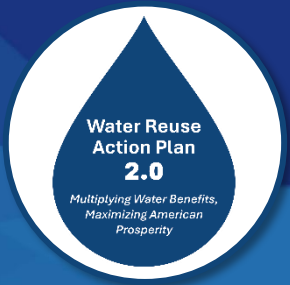
2 – Help industry identify opportunities to reuse water onsite and share success stories

Sharing successes will help smaller companies learn from those that are further ahead

3 – Help industry identify opportunities to produce reclaimed water for new uses off-site

Better science can inform treatment requirements that can beneficially use wastewater for other uses

WRAP 2.0 Overview

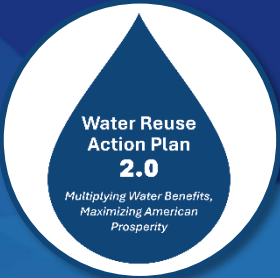


Key features

- Partnership-driven
- Rooted in cooperative federalism
- Enhanced focus on economic benefits for Americans and industry
- Builds on and continues existing WRAP:
 - Not a replacement
 - Actions are public, transparent, accountable
- 27 new actions



We have built out the 27 new WRAP 2.0 actions with partners





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Water Reuse Action Plan: Online Platform

[Water Reuse Home](#) | [Resource Hub by End Use](#) | [REUSE Explorer Tool](#) | [Information Library](#) | [Curated Topical Resources](#) | [Latest Quarterly Update](#)

The Online Platform contains the most up-to-date information on WRAP and WRAP 2.0 actions that represent the collaborative efforts of more than 200 partner organizations. WRAP and WRAP 2.0 actions seek to unleash the power of water reuse and American ingenuity to grow our economy, while supporting public health and strengthening water resources.

Through communication with action leaders, the information is updated monthly to convey progress, including completion of implementation milestones, new entities collaborating on actions, and links to relevant action outputs.

The platform reflects the latest additions of newly released actions that are introduced as frequently as once per quarter. For a compiled list of completed actions and accompanying summary documents of their accomplishments, please refer to the [Completed WRAP Action Summaries](#) page.

We also welcome your contributions. If you feel your expertise could be utilized in a new or existing action, please reach out to waterreuse@epa.gov to see how you can [join the effort](#).

Instructions: Click on an action in the table to display detailed information about each, including descriptions, background information, leaders, partners, implementation milestones, and target completion dates.

Search:

Show 25 entries

Action Title	Action No.	Status	Notes
Diversify the Washington DC Metro Area's Water Portfolio to Increase Water Supply Resilience	1.7	Newly enhanced!	WRAP 2.0 action.
Develop a Northwest Florida Watershed Partnerships Program	1.8	New!	WRAP 2.0 action.
Advance Water Reuse for Data Center Cooling Applications Through Information Exchanges and Collaborative Partnerships	2.21	Newly enhanced!	WRAP 2.0 action.
Support States in Expanding the Use of Recycled Water for Industrial and Data Center Cooling Applications	3.10	New!	WRAP 2.0 action.

Water Reuse Action Plan 2.0

WRAP Summer Update January–May 2026

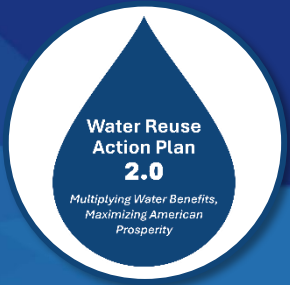


A message from Jess Kramer, U.S. EPA Assistant Administrator for Water

It is a critical time for water. Our nation's water needs are evolving rapidly: communities' needs are changing, manufacturing is expanding, AI and data centers are surging, energy production is growing, and new economic opportunities are emerging. In this dynamic context, water reuse has never been more important as a strategy to extend our nation's water resources.

In April, I joined Administrator Zeldin to announce our relaunch of the Water Reuse Plan, or "WRAP 2.0." This renewed initiative builds on the foundation that was established six years ago by the first-ever nationwide framework for advancing water reuse. It will unleash the power of water reuse and American ingenuity to grow our economy, while supporting public health and

Key Initiatives of WRAP 2.0



Supporting Reuse for Domestic Industry



Unleashing American Energy Dominance

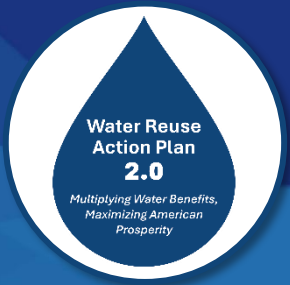


Water Reuse for the U.S. Technology Revolution



Collaboration and Cooperative Federalism

Key Initiative: Supporting Reuse for Domestic Industry

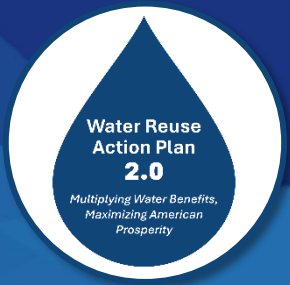


- Many great American industries need reliable water supplies to achieve their full potential, including:
 - component fabrication (e.g., bottles and batteries)
 - manufacturing finished products (e.g., food and beverage products, cars, and trucks)
 - agricultural production
- WRAP 2.0 supports the leadership of American industry and promotes the adoption of water reuse strategies in vital economic sectors



Activity since April: Industry Engagement

Actions 8.14 and 5.15



June 2026

WEF & WaterReuse Industry Roundtable

*Industrial Water Solutions
Conference Chicago, IL*

- 20+ industry representatives joined EPA and partners to discuss reuse barriers and opportunities
- Representation included the food & beverage, data centers, and automotive industries.

July 2026

Suppliers Partnership 2026 Innovation Summit

Novi, MI

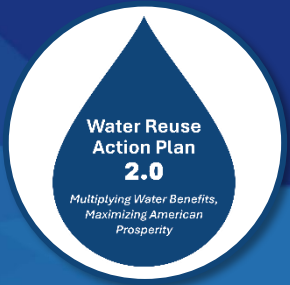
- DENSO and Ford led an interactive workshop focused on automotive value chain.
- Stakeholders relayed barriers, opportunities, and reuse priorities for the auto sector.

Upcoming...

- Fall: sectoral roundtables as follow-on to June conference with NAM.
- 2027: case studies and educational resources.

Activity since April: NAWI 2.0 funding, RFPs, webinars

Action 4.10



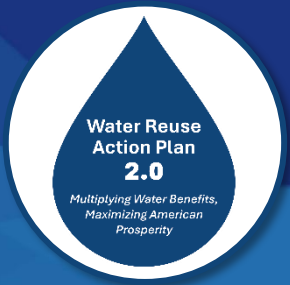
- **FUNDING:** NAWI 2.0 rolling out their previously announced five-year \$75 million in research funding
- **Active Appeals for Industrial Reuse:**
 - RFP for \$12M funding available for industrial pilots and onsite demonstrations in three categories.
 - **Concept papers due September 15**
 - **Full proposals due November 24**
 - RFI on how regional water systems can support emerging and non-traditional water treatment technologies
 - **Response due September 9**
- **Webinar series:** NAWI 2.0 Industrial Water Reuse Webinar Series
 - First in multi-part series held on August 26; sessions 2 (Projects) and 3 (Finance) still TBA

Link to
Announcement



Activity since April: Chamber Industrial Reuse Working Group

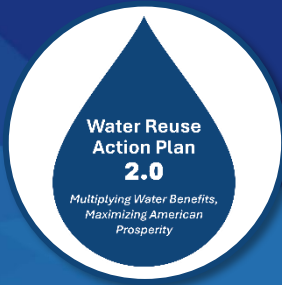
Action 7.13



- **July 2026:** U.S. Chamber of Commerce publishes white paper on the PFAS landscape, relating to:
 - Monitoring
 - Treatment
 - Disposal
 - Destruction technologies
 - Implications for industrial reuse



Key Initiative: Water Reuse for the U.S. Technology Revolution

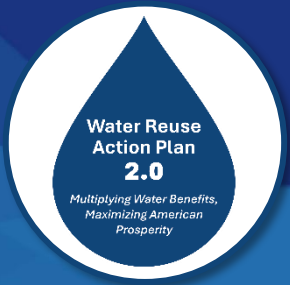


- The Trump Administration is committed to making America the AI capital of the world.
- Water reuse can help ensure that the microchip fabrication facilities and data centers needed to sustain this vision have reliable, affordable water supplies.
- As part of WRAP 2.0, partners have identified actions that advance the use of recycled water for this rapidly growing sector.

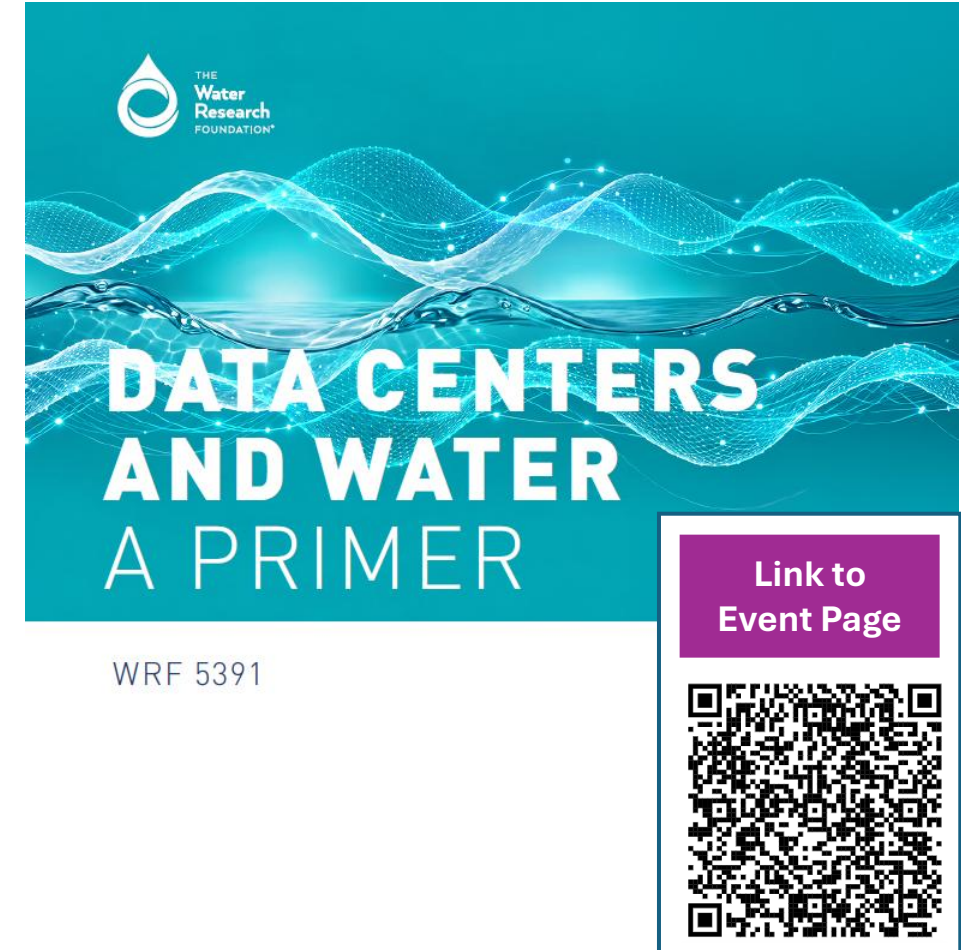


Activity since April: WRF-Hosted Utility Forum

Actions 8.12

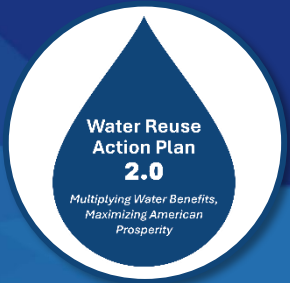


- **August 2026:** The Utility Forum convened to discuss the planning, development, and operation of data centers within their service areas, with focus areas:
 - Technology and Energy
 - Demand Forecasting
 - Supply Planning
 - Water Quality and Treatment
 - Finance and Rate Setting
- Identified key research gaps around data center development and operation pertaining to water sector



Update since April: WEF and Water-AI Nexus Center

Actions 2.21 and 9.4



Online Course

AI 101 for Water Professionals

- Self-paced 90-minute training course developed for frontline operators.
- Covers predictive leak detection and automated reporting.
- CEUs available.

AI 101 for Water Professionals

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Kentucky Maine Minnesota Montana Nevada
New Hampshire New Jersey New York North Carolina Ohio
South Carolina South Dakota Utah Virginia Wisconsin

Start Learning



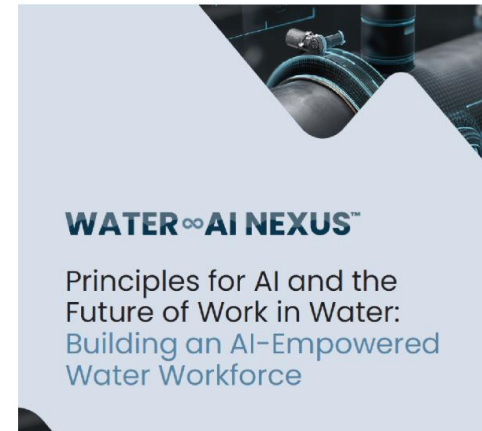
Insight Report

Principles for AI and the Future of Work in Water

- Report that describes a framework for utility labor, safety guardrails, and governance.
- Also addresses methods to capture institutional knowledge from retiring operators.

WATER ∞ AI NEXUS™

ABOUT LEADERS RESOURCES NEWS



Read about the four principles set forth by the Water-AI Nexus™ Center of Excellence, encouraging a worker-... addressing looming labor shortages and so

Download the insight r

Email Address*

First Name

Last Name

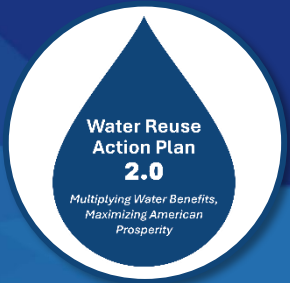
Company

SUBMIT



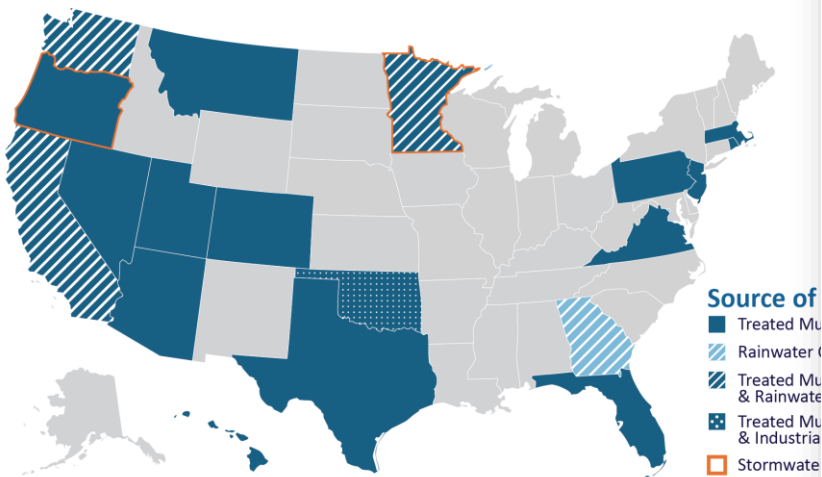
Activity since April: Updated REUSExplorer to Showcase States with Industrial Cooling guidelines

Action 3.10



- In a new map, EPA has highlighted states that specifically allow for the use of recycled water for industrial cooling.
- Updated the REUSExplorer search functions and Summary pages to better highlight industrial cooling.

States with Water Reuse Regulations or Guidelines for Industrial Cooling Applications



Regulations and End-Use Specifications Explorer (REUSExplorer)

This tool links to summaries of state water reuse regulations or guidelines and is searchable by source of water and end-use application. These summaries are not legally binding; please always refer to your state for the latest information.

The REUSExplorer tool was developed by EPA and partners as part of the Water Reuse Action Plan (Action 3.1). Additionally, there is a one hour [webinar recording](#) on how to use the tool. Content is current as of February 2024.

REUSExplorer Tool

Select the state, sources of water, and/or reuse application of interest using the available drop-down menus. No selection will display all available results. If no results are available for multiple selections, the search will display "no results available." The results do not include laws and policies under development.

State or Country

Optional Selection

Sources of Water

Optional Selection

Reuse Application

Agriculture
Centralized Non-Potable Reuse
Consumption by Livestock
Environmental Restoration
Impoundments
Industry
Industry - specifically as cooling
Landscaping
Onsite Non-Potable Water Reuse

Disclaimers

Helping Regulators Reduce Illness

Summary of Arizona's Water Reuse Guideline or Regulation for Centralized Non-potable Reuse

This page is part of the EPA's [REUSExplorer](#) tool, which summarizes the different state level regulations or guidelines for water reuse for a variety of sources and end-uses.

The source water for this summary is **Treated Municipal Wastewater**.

On this page:

- [Technical basis](#)
- [Applications of centralized non-potable reuse approved for use in Arizona](#)
- [Water reuse category/type](#)
- [Additional context and definitions](#)
- [Centralized non-potable reuse specifications \(table\)](#)
- [Upcoming state law or policy](#)
- [References](#)
- [Disclaimer](#)

This page is a summary of the state's water reuse law or policy and is provided for informational purposes only. Please always refer to the state for the most accurate and updated information.

In Arizona, [centralized non-potable reuse](#) applications include toilet and urinal flushing and dust control, among others. The source of water ([treated municipal wastewater](#)) is specified by the state as municipal wastewater. The write-up uses state terms when discussing sources or uses of water that may differ from the Regulations and End-Use Specifications Explorer's (REUSExplorer's) terms.

About this Summary

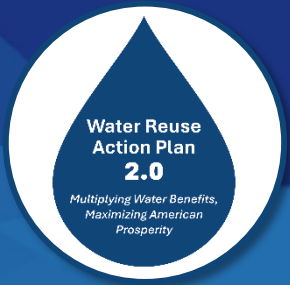
Source of Water: Treated municipal wastewater

Reuse Application: Centralized non-potable reuse (including industrial cooling)

EXTERNAL LINKS:

- [REUSExplorer home page](#)
- [Maps of states with water reuse regulations or guidelines](#)

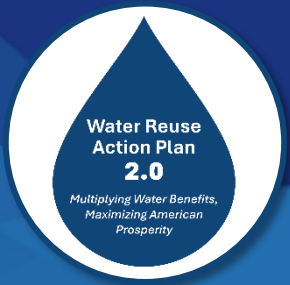
Key Initiative: Unleashing American Energy Dominance



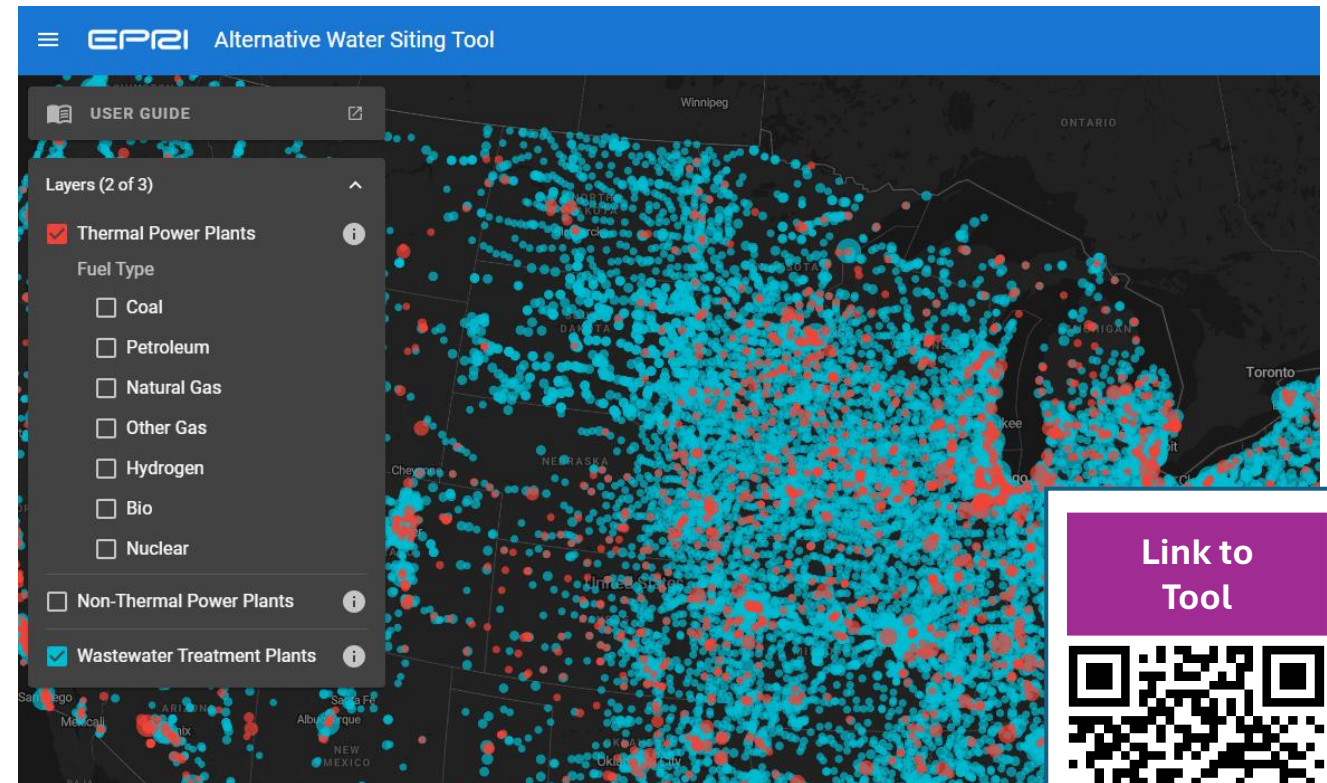
- Water reuse can play a key role in American energy by maximizing the benefits of treated wastewater for energy development and electricity generation.
- For American homes and businesses, this means better reliability and lower energy bills.
- Under WRAP 2.0, partners are focusing on new actions to support water reuse for electricity generation and the potential reuse of water from oil and gas production.

Update since April: EPRI Publishes Geospatial Tool

Action 5.11



- Electric Power Research Institute (EPRI) has published an interactive “alternative water siting tool”
- This tool helps users identify alternative water sources to enable water reuse within the power sector.

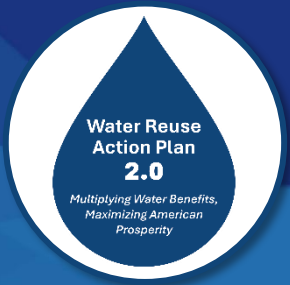


Link to
Tool



Update since April: EPA Expanding Web Resources

Action 8.13



- EPA updated and expanded resource hub page, organized around main industrial reuse use-cases:
 - General industry,
 - Data center cooling
 - Energy
 - Food & beverage
 - Mining
 - Manufacturing

Water Reuse for Industrial Applications Resources

Industrial water reuse is the use of recycled water for industrial applications. Examples include using treated municipal wastewater for manufacturing cars or cooling data centers. Water used in industrial applications may also be generated via onsite processes such as microchip manufacturing, food and beverage production, mineral extraction, and energy generation and then used elsewhere in the facility. Because this water may have limited contact with humans, it can be less costly and less energy intensive to treat and reuse.

Water reuse is the practice of reclaiming water from a variety of sources, treating it, and reusing it for beneficial purposes. The following resources relate to reuse for industrial applications; for information on other uses, please visit the [Water Reuse Resource Hub by End-Use Application](#).

On this page:

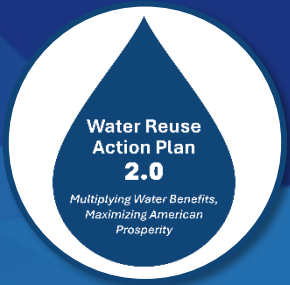
- [Key Resources](#)
 - [Industry \(General\)](#)
 - [Data Center Cooling](#)
 - [Energy Dominance](#)
 - [Food and Beverage](#)



Link to
Webpage



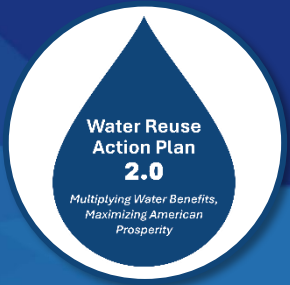
Key Initiative: Collaboration and Cooperative Federalism



- This initiative harnesses the resources of the federal government to support the needs of states and Tribes.
- WRAP 2.0 actions range from **enhancing communication** about the safety of recycled water to ensuring states have the latest **gold standard science** to permit recycled water projects while safeguarding public health and the environment.

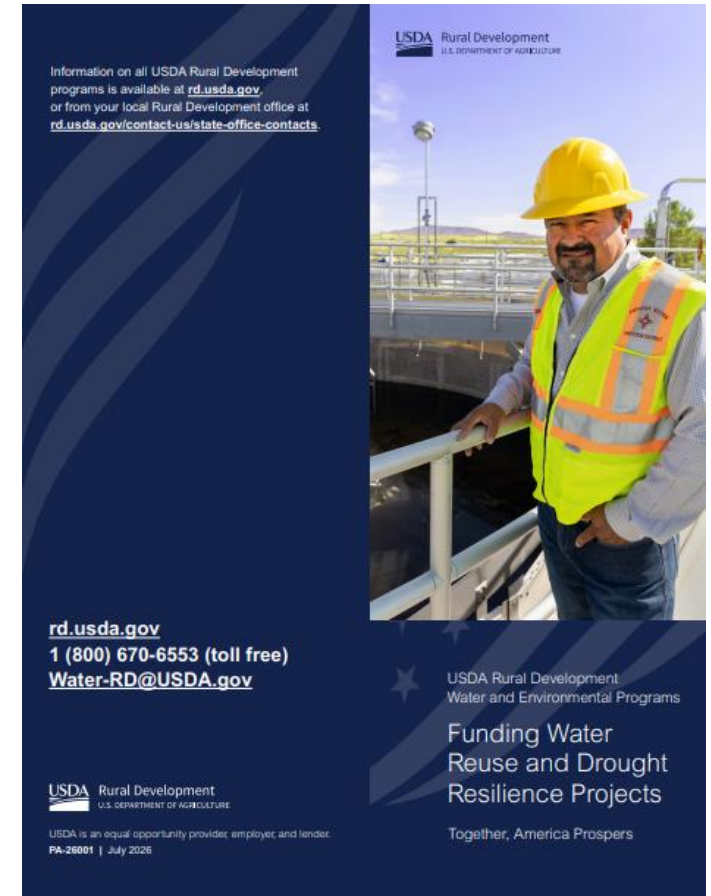
Update since April: USDA Fact Sheet on Reuse Funding

Action 6.7



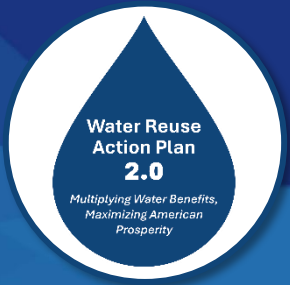
- USDA published a brochure/fact sheet on how to fund water reuse and drought resilience projects.
- Summarizes financing opportunities through USDA.
- Simple guide focusing on financing for rural communities.

Link to
Fact Sheet



Update since April: WEF Publications

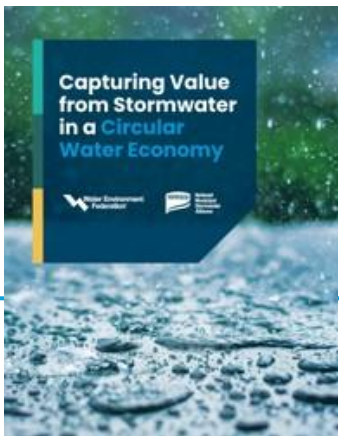
Actions 4.11 and 2.20



April 2026

Capturing Value from Stormwater

- Explores how stormwater capture & beneficial use can support transition to a circular water economy + improve system reliability.



Link to
Paper



May 2026

Reuse Rulemaking Roadmap

- Primer for regulators, policymakers, and advocates seeking to advance water-reuse rulemaking in Great Lakes and MSRB.



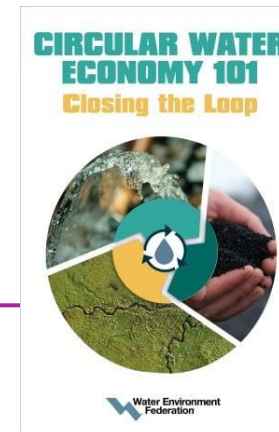
Link to
Paper



June 2026

Circular Water Economy 101

- Practical introduction to circular water approaches and the role of reuse.



Link to
Book



Keeping Up with WRAP 2.0 Activities

Water Reuse Action Plan 2.0

Multiplying Water Benefits,
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Prosperity

The WRAP Online Platform provides detailed information on activities related to each action and the Water Reuse website will provide information on new products on a regular basis.



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Search:

Action Title	Action No.	Status
Diversify the Washington DC Metro Area's Water Portfolio to Increase Water Supply Resilience	1.7	Not Started
Develop a Northwest Florida Watershed Partnerships Program	1.8	Not Started
Advance Water Reuse for Data Center Cooling Applications Through Information Exchanges and Collaborative Partnerships	2.21	Not Started
Support States in Expanding the Use of Recycled Water for Industrial and Data Center Cooling Applications	3.10	Not Started



National Water Reuse Action Plan: Online Platform

Instructions: Click on an action in the table to display detailed information about each, including descriptions, background information, leaders, partners, implementation milestones, and more.

Strategic Theme Area: [Show all](#)

Show 10 entries

Strategic Theme Area

Integrated Watershed Action	Develop a Federal Policy State Consideration of Water Reuse
Integrated Watershed Action	Prepare Case Studies of Successful Integrated Water Resources Management
Integrated Action	Incorporate Water Reuse and Planning Efforts at the Local Level
Integrated Watershed Action	Leverage EPA's Water Partners the Context of Integrated Watershed Scale
Policy Coordination	Compile Existing State Policies
Policy Coordination	Enhance State Collaboration on Water Reuse
Policy Coordination	Complete the EPA Study of Oil Management
Policy Coordination	Enhance Wastewater Source Control Programs to Support Water Reuse
Policy Coordination	Compile and Develop Protective Waters for Potential Reuse
Policy Coordination	Develop Informational Materials to Facilitate Water Reuse

Showing 1 to 10 of 58 entries

Enhance State Collaboration on Water Reuse

Enhance State Collaboration on Water Reuse (Action 2.2.2)

[Action Attributes](#) [Action Team](#) [Implementation Milestones](#) [Outputs and References](#)

Action Attributes

Status: Developed

Action Leaders and Key Contact:

U.S. Environmental Protection Agency (EPA)

Jeff Lape

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Association of Clean Water Administrators (ACWA)

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Association of State Drinking Water Administrators (ASDWA)

Wendi Wilkes

wilkes@asdwa.org

Description: Provide forums and opportunities for states to discuss water reuse.

Background: Some states, particularly in arid areas, have well-established opportunities to exchange ideas, experiences, successes, and challenges opportunities to learn from each other; (2) identify common needs to of water reuse.

The Annual WaterReuse Pacific Northwest Conference, organized by the policies and strategies. This conference provides a useful model and a coordinated state-focused forum to encourage states to come together. In September 2019, ACWA and ASDWA co-organized and facilitated the representatives from 16 state water programs participated in this ever engagement of additional state associations to engage in future state

Opportunities:

- Increase state collaboration on water reuse across the spectrum of
- Share experiences across state organizations.
- Enable water reuse discussions and networking opportunities.

Enhance State Collaboration on Water Reuse

Enhance State Collaboration on Water Reuse (Action 2.2.2)

[Action Attributes](#) [Action Team](#) [Implementation Milestones](#) [Outputs and References](#)

Implementation Milestones

1. Convene the 1st state summit on water reuse at the 34th Annual WaterReuse Symposium in San Diego, CA.

Lead(s): ACWA (Julia Anastasio, julianastasio@acwa-us.org), ASDWA (Wendi Wilkes, wilkes@asdwa.org)

Partners: EPA, WaterReuse

Target Completion Date: September 2020

Actual Completion Date: September 2020

Milestone Complete: Yes

Status/Updates: Completed (20 representatives from 16 states attended)

2. Secure meeting facilitation and notetaking support for the 2nd state summit on water reuse.

3. Conduct water reuse-focused discussions at a session at the ASDWA Member Meeting.

4. Conduct water reuse-focused discussions at a session at the ACWA Midyear Meeting.

5. Initiate planning for next annual state summit on water reuse.

6. Compile a list of state water reuse contacts and roles and post in an accessible location online.

7. Convene the 2nd state summit on water reuse at the 20th WaterReuse Symposium in Denver, CO.

8. Prepare state summit on water reuse meeting summary for state representatives.

9. Additional milestones to be determined.

Use the arrows to navigate between actions.

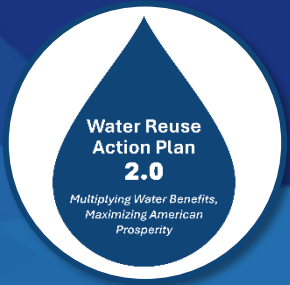
← Previous Action

Next Action →

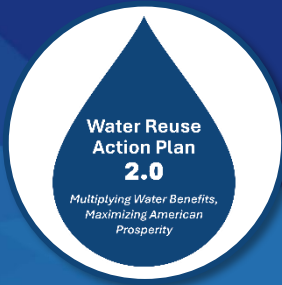


View the Platform

WRAP Tools and Resources that support water reuse

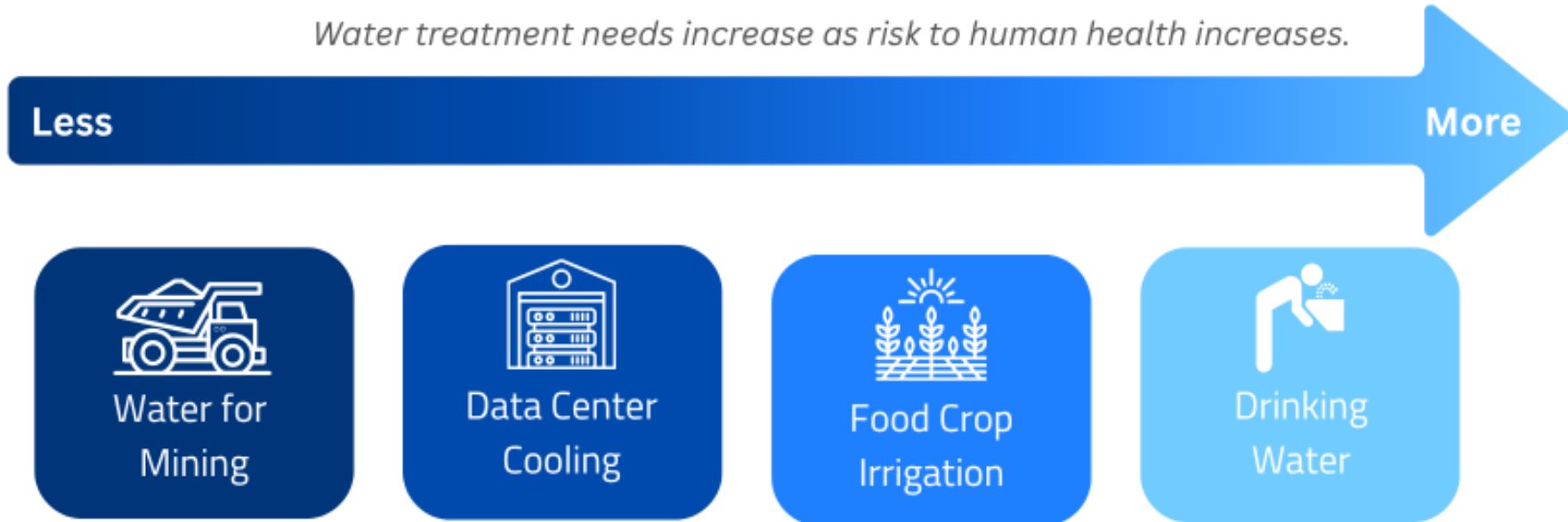


Fit for Purpose: Matching Reuse Applications with Treatment Needs

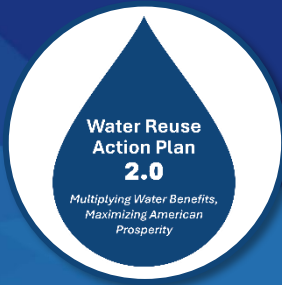


Likelihood of Human Exposure

Water treatment needs increase as risk to human health increases.



Delivering Clarity to the Regulatory & Permitting Landscape



REUSExplorer

>**186** State Reuse Regulations and Guidelines **Summaries** across **38** states.

Result

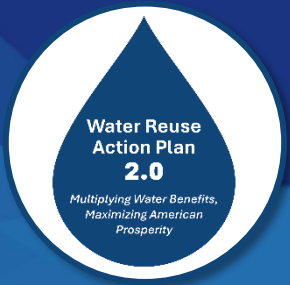
- Helps states, Tribes, and territories understand the approaches of other jurisdictions.
- Used by industry (e.g., Amazon Web Services) to understand which jurisdictions can efficiently permit reuse projects.



Link to
Tool



REUSExplorer: Multi-Search Capabilities



State or Country

Alabama

Arizona

Arkansas

California

Colorado

Delaware

District of Columbia

Florida

Georgia

Hawai'i

Sources of Water

Industry Process Water

Onsite Collected Waters

Rainwater Collected Onsite

Stormwater

Treated Municipal Wastewater

Search

Reuse Application

Agriculture

Centralized Non-Potable Reuse

Consumption by Livestock

Environmental Restoration

Impoundments

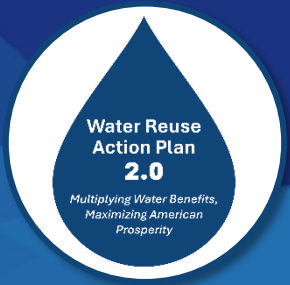
Industry

Industry - specifically as cooling water

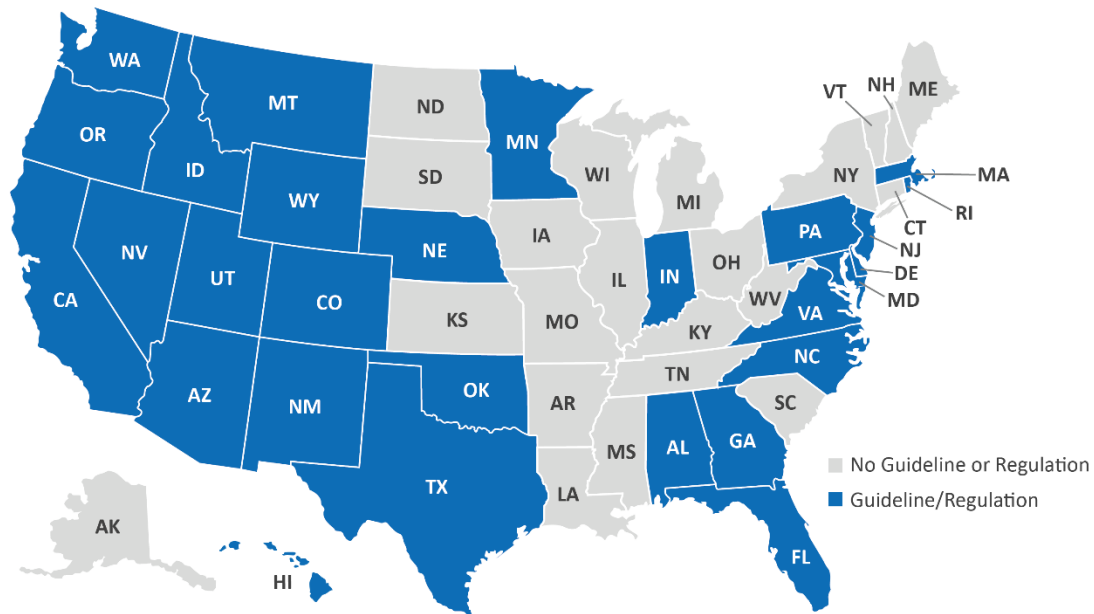
Landscaping

Onsite Non-Potable Water Reuse

State Reuse Guidelines: Agricultural and Potable Reuse



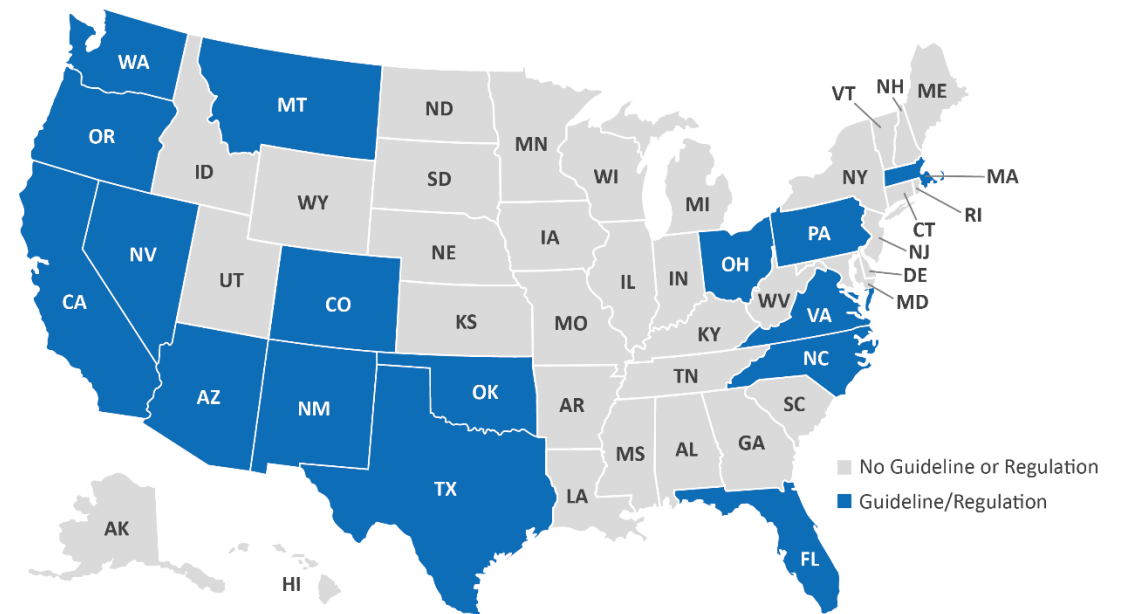
States with Water Reuse Regulations or Guidelines for Agriculture



Date created: August 2024

This is a map of states with guidelines or regulations included in the REUSExplorer tool. Some states may permit reuse on a case-by-case basis and did not have enough information to include in the tool.

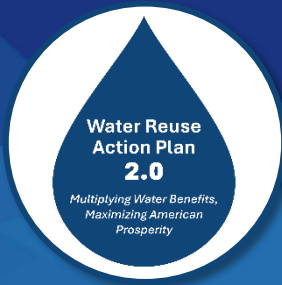
States with Potable Water Reuse Regulations or Guidelines



Date created: November 2025

This is a map of states with guidelines or regulations included in the REUSExplorer tool. Some states may permit reuse on a case-by-case basis and did not have enough information to include in the tool.

EPA Risk-Based Framework can Support States, Tribes and Territories as they Develop Treatment Targets

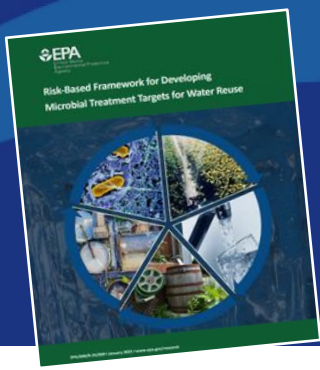


- Scientific resource for states adopting reuse, representing a decade of peer-reviewed journal articles
- Describes risk assessment framework and current parameter assumptions:
 - Reference pathogens to consider
 - Pathogen density characterizations (municipal and onsite)
 - Exposure estimates for potable and non-potable uses
 - Pathogen dose-response models
 - Risk characterization approaches
- Includes scientifically robust log-reduction targets and information needed for new calculations
- Summarizes related policy decisions for consideration by states, Tribes, and territories

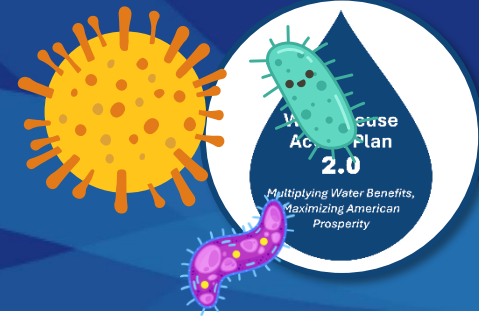


Link to
Document





Sources and End-Uses Characterized



Sources Characterized for Pathogens



Municipal wastewater



Onsite wastewater



Graywater



Stormwater



Roof runoff

**Treatment
Targets
Calculated**



Potable

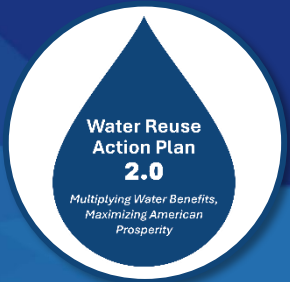


**Unrestricted Landscape
Irrigation**



**Indoor
Non-potable Use**

Resource Hub with Relevant Publications to Support States



Water Reuse Resource Hub by End-Use Application

[Water Reuse Home](#) | [WRAP Online Platform](#) | [REUSExplorer](#) | [Information Library](#) | [Latest Quarterly Update](#)

This page is organized by water reuse application, reflecting the recycling of an alternative source of water that is adequately treated for its intended use. Each end-use page compiles resources such as state policies, webinars, information about typical source waters, and publications. Collectively, these materials inform, document, and share stories of approaches taken by communities to initiate and implement water reuse.



Potable

Highly treated water that is reused for drinking water and meets or exceeds federal Safe Drinking Water Act standards.

[Learn about potable applications](#)



Onsite Non-Potable

Water that is collected, treated, and reused at single district or building scale for non-potable applications such as toilet flushing or dust control.

[Explore onsite non-potable uses](#)



Centralized Non-Potable

Water which is generated and treated in one location and then reused in another for non-potable applications, including snowmaking or street cleaning.

[Learn more about centralized non-potable uses](#)



Agriculture

Water from a farm or local wastewater treatment plant that is appropriately treated and reused for the production of crops.

[See more on agriculture](#)



Consumption by Livestock

The use of water recycled from a farm or local wastewater utility for consumption by livestock.

[See reuse applications for livestock](#)



Landscaping

Treated recycled water used for the irrigation of land containing non-edible vegetation.

[Explore reuse for landscaping](#)

More End-Uses for Recycled Water



Impoundments and Reservoirs (Recreation and Ornamental)

The reuse of water for ornamental ponds or reservoirs that are designed for boating and recreating.

[See reuse applications for impoundments](#)



Environmental Restoration

Recycled water used to sustain and develop ecosystems such as wetlands, create a buffer against storm surges, and support natural habitats.

[Look at how reuse can help restoration](#)

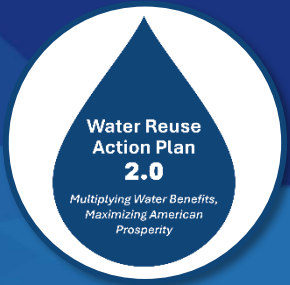


Industrial

The use of recycled water treated for industrial applications, including car manufacturing and data centers.

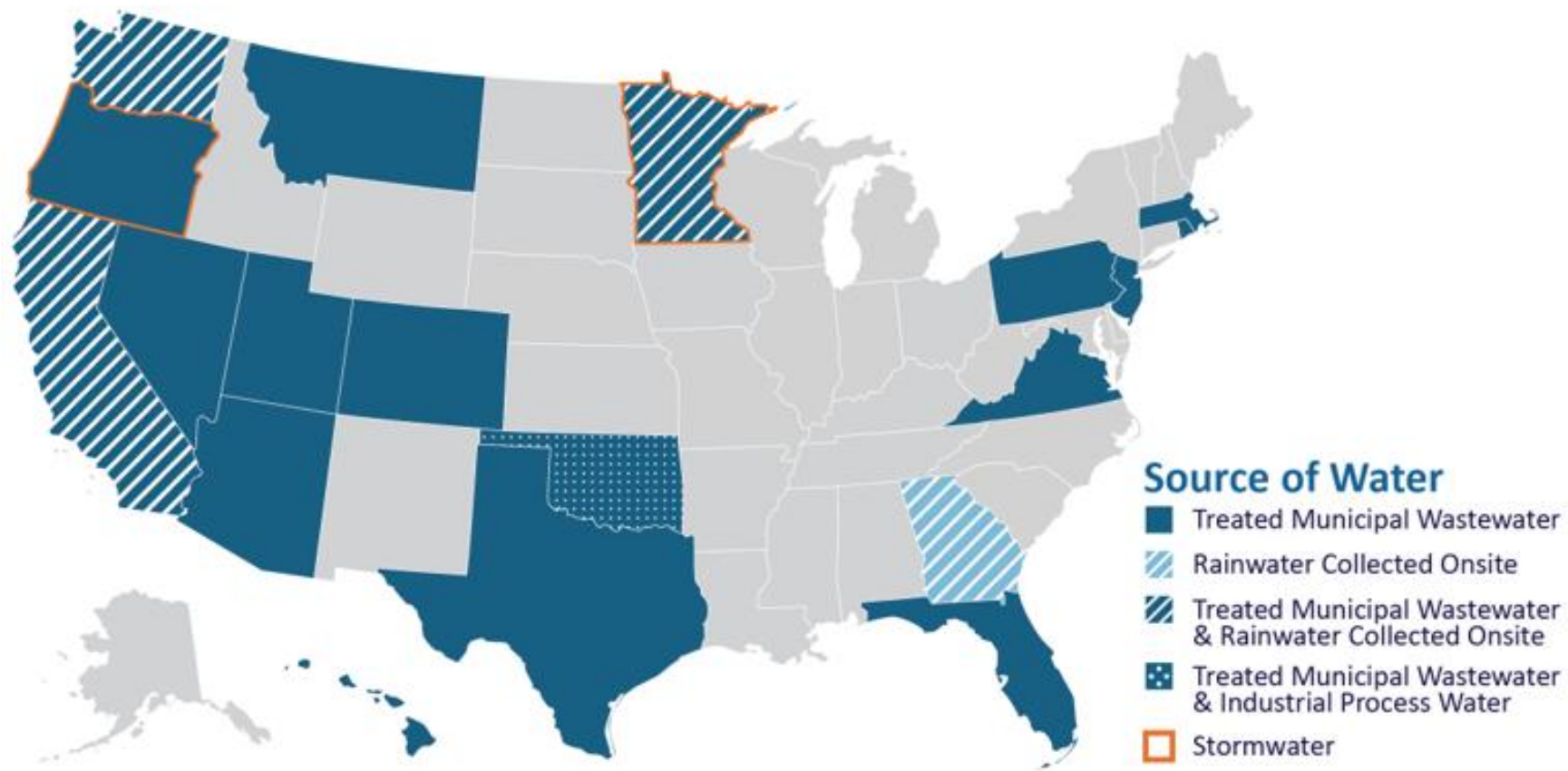
[Learn the industrial applications for reuse](#)

Advancing Water Reuse to Support Data Center Cooling Nationwide

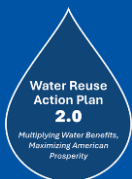


Google Data Center
Douglas County, GA
~1 mgd reclaimed water

States with Water Reuse Regulations or Guidelines for Industrial Cooling Applications



Additional states may permit treated municipal wastewater for cooling purposes on a case-by-case basis. However, there was not enough information to include additional states on the map.



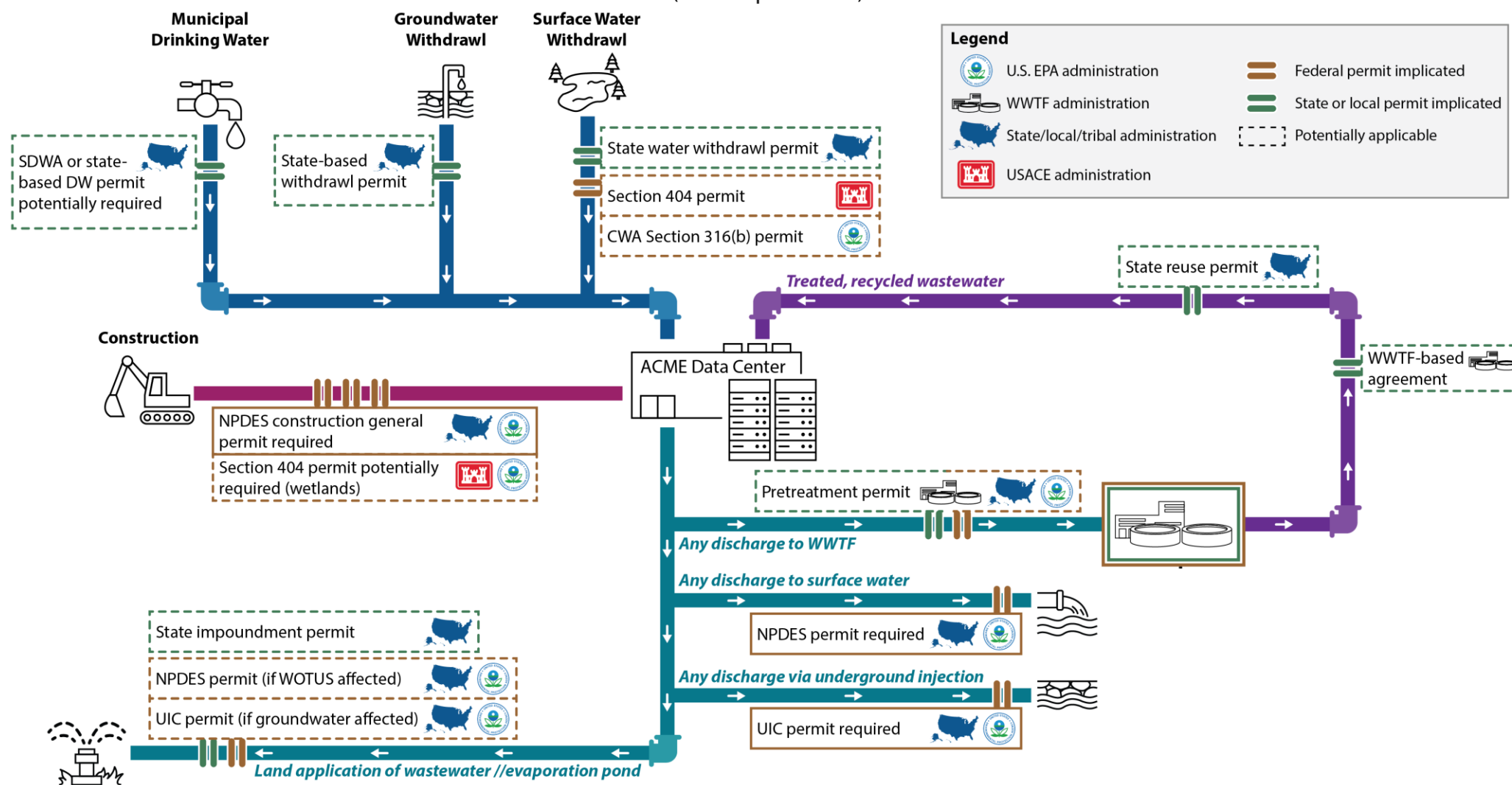
REUSExplorer: epa.gov/reuseexplorer

Permitting Implications at Data Centers

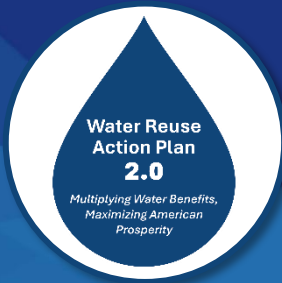
Water Reuse
Action Plan
2.0

Multiplying Water Benefits,
Maximizing American
Prosperity

Water-Related Permitting for Data Centers (not comprehensive)



Get involved with the WRAP collaborative



- Invite you to join the WRAP collaborative:
 - Propose an action to advance water reuse
 - Engage with our reuse community
 - Sign up to receive monthly updates

waterreuse@epa.gov

Together, we can multiply water's benefits to maximize American prosperity.

2nd Nature | ACWA | AMWA | AHA and ASHE | Athens-Clark County | **Anne Arundel County** | ARCSA
Argonne | **Arup** | ASDWA | ASHRAE | ASTHO | Austin Water Utilities | AVF | **AWS** | AWWA
AWWA Total Water Committee | BIER | **Brown and Caldwell** | CA SWRCB | CDC | Cambrian Innovation
Carollo | CASE Team | CILA | CDM Smith | CDPHE | CESPM | CESPT | CIFA | Conagua | City of Boise
City of Chicago | City of Columbus | **COG** | Columbia Water Center | Commerce | Consor Engineering
CPWC | **CSI** | CSO | **CSU** | CWCB | **DC Water** | DCPH-A | Denver Water | DOW | Design Aire | DOE | DOI
DOS | DOT | **DWM** | ECOS | EDF | EFAB | **Elevate** | El Paso Water | Embassy of Israel | EMWD | EPA | EPRI
FDA | **Fairfax County** | FEMA | **Ford** | Fox Metro WRD | Fox River WRD | GCCI | GCE | GHD | **GLC** | **GM** | GSA
Google | Greenbiz Group | Groundwork USA | **Grundfos** | GWPC | HCPU | **HRSD** | HUD | IAPMO | IBWC
ICC | IDEQ | **IDNR** | IDRA | **IEPA** | IRWA | ISPE | **Illinois Sierra Club** | IWA | IU | Israel Export Institute
ISWS | IWMI | **IWRC** | Jacobs | JCI | JFW | **JS** | Katz and Associates | LACSD | LADWP | LiUNA | **LUOW**
Loudoun Water | LVMWD | MN DPH | MoAG | MOEI | MoEP | MoH | MWD | **MWRD** | NACWA
MWD of Southern California | NADB | **NAM** | NAWI | NDRP | NBRC for OWS | NeoTech Aqua | NGWA
NMED | NM-PWRC | NMSA | NMSU | NPS | NREL | Northwest Biosolids | NRWA | NSAC | NSF | NSU | NTC
NTWC | **NWFWMD** | NWRI | NYC DEP | OH EPA | One Water Econ | ORNL | OSU | **OWML** | Pacific Institute
Parker Groundwater | Penn State | PepsiCo, Inc | PHASC | Purdue | RCAC | RCAP | Reclamation | ReNUWit
Rice University | RMS | RN | RTOCs | SAWS | SBIR Programs | SCCMA | SCCWRP | SEPROA | **SP**
SRE | Stantec | **State of Illinois Water Reuse Task Force** | SWAN | SWFWMD | The World Bank
Toyota | Trussel Technologies | TTU | **TxPWC** | Tyson | UA | UIC | UNC | UNR | **UOSA**
University of Arizona | University of California | UPenn Water Center | USACE | USAID
US Water Alliance | USC | USDA | USGBC | USGS | USWP | UWFP | Valley Water | Veolia | Volcani
Wahaso | WaterEdge.IL | Village of Pingree Grove | Water Innovation Services | WaterReuse | WaTr
WEF | WFX | WI DNR | Woolpert | WRF | Wright Water Engineers | WSP Consultants | WSWC
WTA | WW | WEF Reuse Committee MI River Basin Focus Group | Xylem | Yorkville

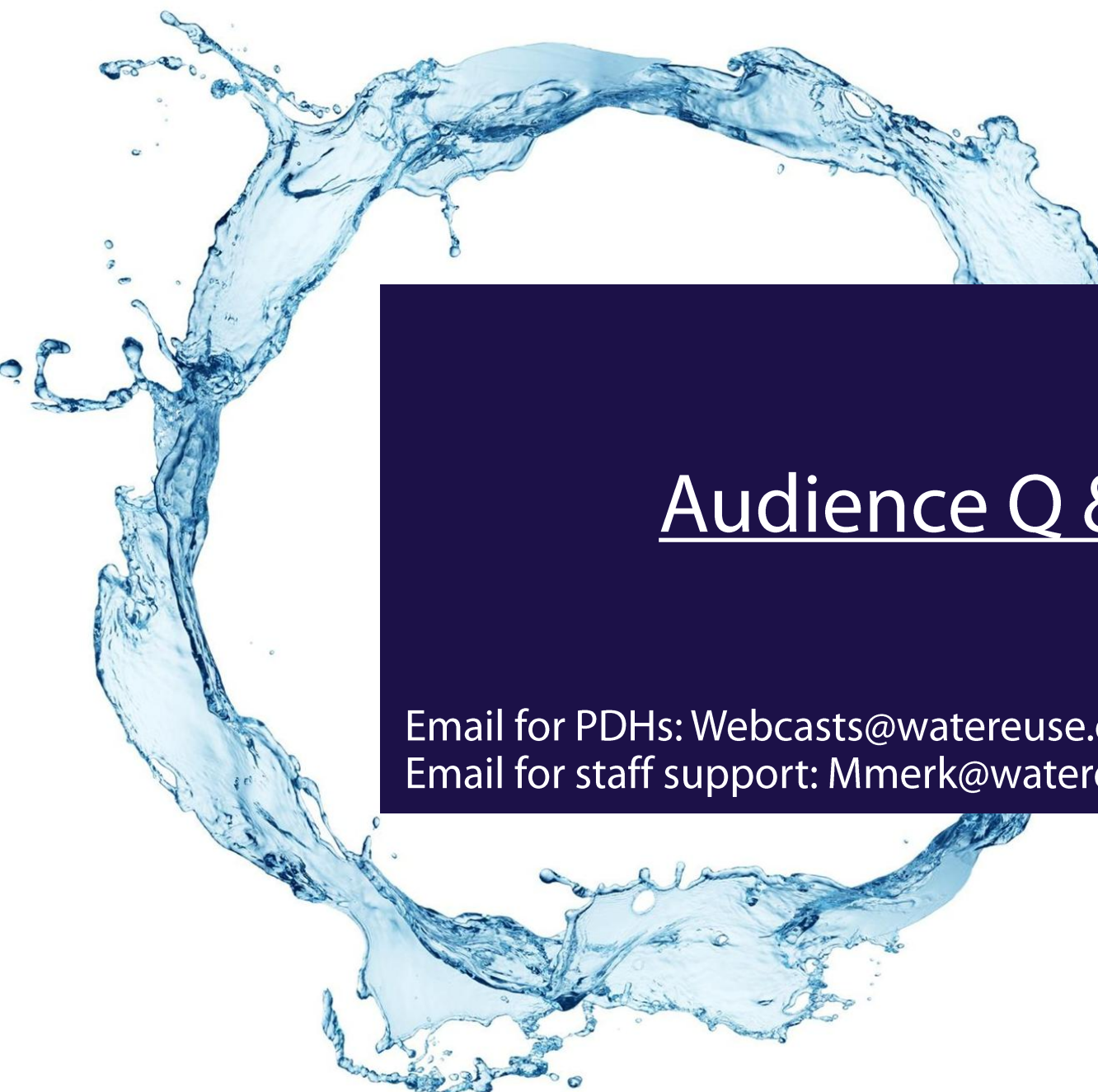


EPA-830-K-26-001



Thank You
Sargon and Sydney!





Audience Q & A

Email for PDHs: Webcasts@watereuse.org
Email for staff support: Mmerk@watereuse.org