

2024 Update

Drinking and Ground Waters

Tanushree Courlas, Assistant Chief
OTCO Class III/IV Workshop



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DDAGW Big Picture

- Rule Updates
- Lead and Copper
- PFAS
- Resources/Funding
- Project Planning



Rule Update – Rule Making Process



Four Phases of Rule Making:


1. Early Stakeholder Outreach (ESO) – Ideas/Intent
2. Interested Party Review (IPR) – Draft Rules
3. Original File – Proposed Rules
4. Final File – Final Rules

Rule Updates Online

https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/regulations/ddagw-regulations

An official State of Ohio site: [Here's how you know](#) ▾

Language Translation

 **Environmental Protection Agency**

Stay Compliant Make a Difference Monitor Pollution Get Funding Find Regulations ? Help Search


Ohio EPA / Divisions & Offices / Drinking & Ground Waters / Regulations / DDAGW Regulations

Regulations

- Welcome
- Early Stakeholder Outreach
- Interested Party Review
- Proposed Rules
- Effective Rules
- Additional Information


U.S. EPA's Safe Drinking Water Act (SDWA). Rules for Ohio public drinking water systems are adopted under Ohio Revised Code (ORC) [Section 6109](#), and rules for Underground Injection Control, under [ORC 6111.043](#). Ohio Administrative Code (OAC) rules administered by DDAGW are located on this page. More information about DDAGW's rule-making process is available under the "DDAGW Rules Process" section below.

Electronic versions of [policies and guidance](#) may be viewed by clicking on the appropriate tab. Join a rules [electronic mailing list](#) to stay informed about current rule-making and opportunities to provide comment during the process.



Check out the latest announcements


See what's new, including rule postings and comment period notifications.



Check out the latest announcements

See what's new, including rule postings and comment period notifications.

Get help with permitting and environmental requirements

 Visit the Resource Hub - FAQs, Ask an Expert, and more.

Go Now



Rule Updates

Early Stakeholder Outreach (ESO)

- **Lab Certification**
 - Taking comments until August 11th
- **Source Monitoring (81-65, 81-66, 81-71)**
 - Taking comments until August 11th
- **Plan Approval (91-02)**
 - Comment period ended on June 6th



Rule Updates

Interested Party Review (IPR)

- **Asset Management (87-01, 87-02, 87-03, 87-04, and 87-05)**
 - Updating and adding definitions
 - Adding language specifying that only community and non-transient non-community PWSs are required to develop an asset management plan
 - Increasing the mileage of distribution pipe breaks that need to be recorded
 - Adding additional language to require the time spent on maintenance tasks
 - Removing optional recording of customer service metrics



Rule Updates

Original File

- **Disruption of Service (83-02)**
 - Proposed Rule out for public comment until **August 23rd**
- **Maximum Contaminant Levels and Point of Entry Devices (81-10, 81-11, 81-15, 81-19)**
 - Proposed Rule out for public comment until **August 19th**
- **Operator Certification**
 - Working towards original file.

Rule Updates Final File

- **Public Water System Licenses (81-02, -03, -29, and -07)**
 - Working towards final file
- **Administrative Penalties (81-04)**
 - Final filed on May 30, Effective June 13



Operator Certification Key Changes Proposed

Changing “wastewater treatment” with the term “water reclamation”

Holiday and other staffing flexibility

New “facility-specific” classification

Reducing required operating experience time for Class II, III and IV

Adding operator in training (OIT) status for Class III and increase OIT time

Adding flexibility to review reciprocity



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Rule Updates Upcoming

- **PFAS**
 - Internal workgroup has formed.
 - Discussing content and number of rules
- **Surface Water Treatment Rule**
 - Internal workgroup kick off meeting earlier this month


Service Line Inventory

- Inventory is due by October 16, 2024 (all community and NTNC)...even if you don't have lead service lines.
- Annual or triennial updates of the inventory are required, based on the system's monitoring schedule
- For each service line connected to the system, provide the material(s) for the public side, connector, and private side
- Inventories must be made publicly available

Submitting the Inventory

- Recommended file name:
 - Inventory_OHxxxxxxx_Date_Initial/Update/etc.
 - Inventory_OH1234567_3.5.24_Initial
- Complete the Microsoft form linked in the instructions
 - You will receive a confirmation email with your responses and the email address for submittal



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Service Line Inventory Submittal and Verification

The Lead and Copper Rule Revisions require water systems to use or record specific information. This online form serves as verification these requirements were followed. A new form must be filled out for each PWS ID.

Please answer the questions below. At the end you will be provided an email to send your inventory file(s).

All fields are required and a copy of your answers will be emailed to the address you provide below for your records.

Contacts: <https://epa.ohio.gov/divisions-and-offices/drinking-and-ground-waters/about-ddagw/ddagw-contacts> or call 614-644-2752.

* Required

1. Enter your email *

DDAGW Team

General questions: DDAGWLeadCopper@epa.ohio.gov

Heather Jackson, TWL Manager/Supervisor

614-644-2767

Heather.Jackson@epa.ohio.gov

Jodi Elam, Lead and Copper Compliance Coordinator

614-369-3817

Jodi.Elam@epa.ohio.gov

Zachary Anderson , Lead and Copper Compliance

614-644-4902

Zachary.Anderson@epa.ohio.gov

Alexandra Haritos, Lead and Copper Compliance

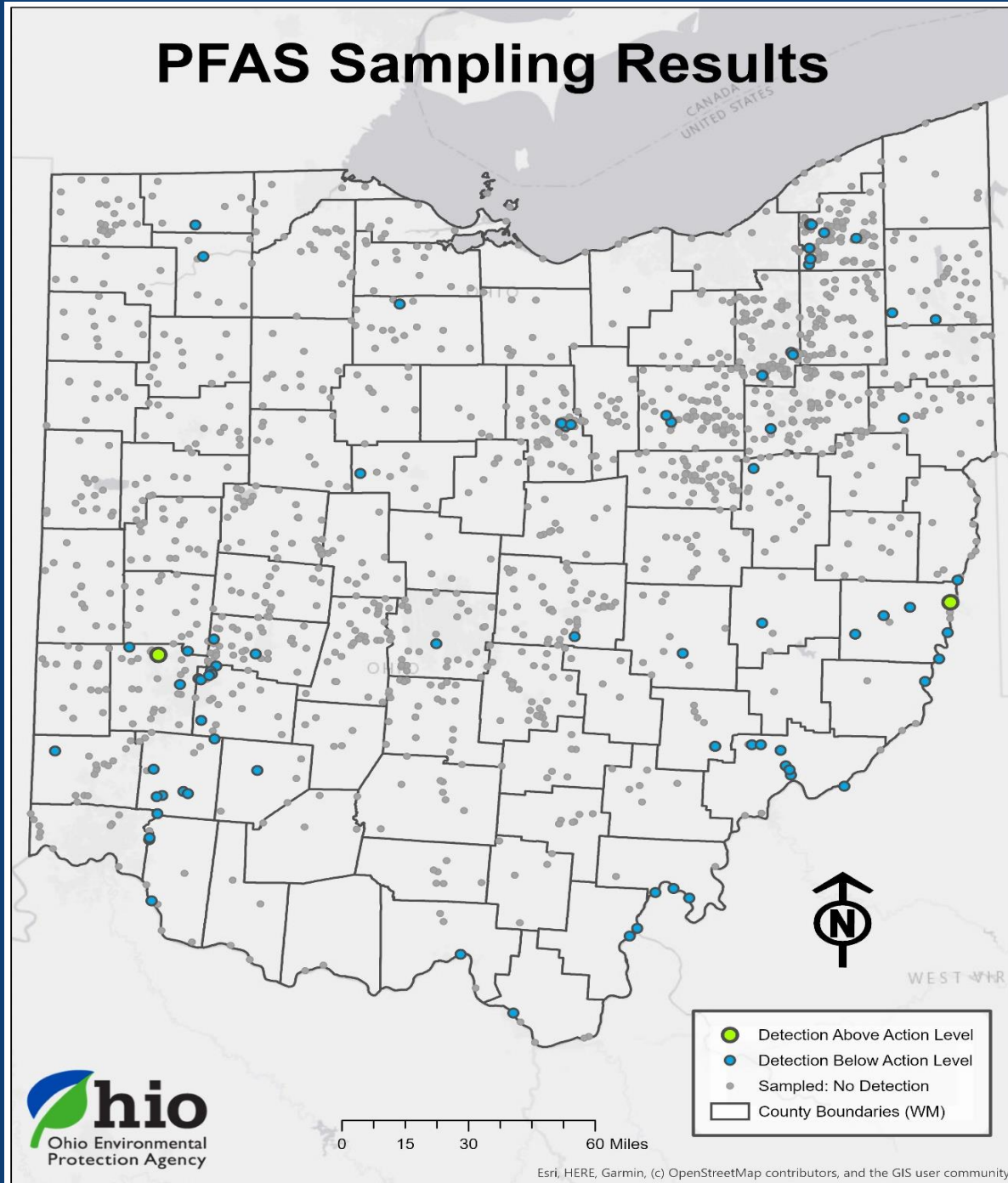
614-644-2915

Alexandra.Haritos@epa.ohio.gov



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PFAS Sampling Results



2020 Statewide PFAS Study at Ohio PWS



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PFAS

- Building on statewide PWS testing results
- 80+ systems had at least one PFAS detected; 20+ additional systems had at least a raw detection (over 60 PWS likely > MCL)
- Recognize challenges designing and true costing treatment and source alternatives

Proposed PFAS Standards

Compound	Proposed MCLG	Proposed MCL (enforceable levels)
PFOA	zero	4.0 ppt
PFOS	zero	4.0 ppt
PFNA	1.0 (unitless) Hazard Index	1.0 (unitless) Hazard Index
PFHxS		
PFBS		
HFPO-DA (GenX)		

Source: <https://www.epa.gov/sdwa/and-polyfluoroalkyl-substances-pfas>

Drinking Water Treatment Guidance

- DDAGW has drafted a PFAS Treatment Guidance in collaboration with AWWA and USEPA ORD
- Includes treatment options, demonstration studies and other considerations including waste streams and corrosion
- Final version will be available very soon
- Guidance will be updated periodically

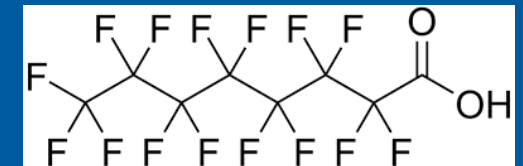
PFAS Next Steps

- PFAS in drinking water supplies
 - Evaluate treatment and alternative source options
 - Get more data if needed (test all wells)
 - Funding available
- If unknown, then do more testing
- PFAS Action Plan 2.0
- Chemours/Dupont Settlement
- Ongoing lawsuits
- Source investigations

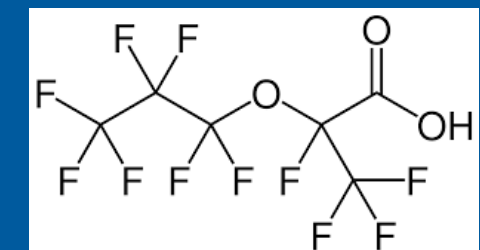
PFOS



PFOA



GenX (HFPO-DA)



RECENT GRANTS

- **Well Abandonment & Source Water Protective Strategies Grants:**

- SWAP applications awarded: 23
 - Total amount awarded: \$359,354.62

- Well Abandonment applications awarded: 12
 - Total amount awarded: \$253,331

- **Emergency Generator Grant:**

- 2024 applications awarded: 37
 - Total amount awarded: \$1,326,242

- **Asset Management Program Grant:**

- 2024 applications awarded: 37
 - Total amount awarded: \$511,551

- **H2Ohio Distribution Equipment Grant:**

- Phase 1 applications received: 111
 - Total among awarded: \$1,000,000

- Phase 2 applications received: 259
 - Total among awarded: \$2,232,000

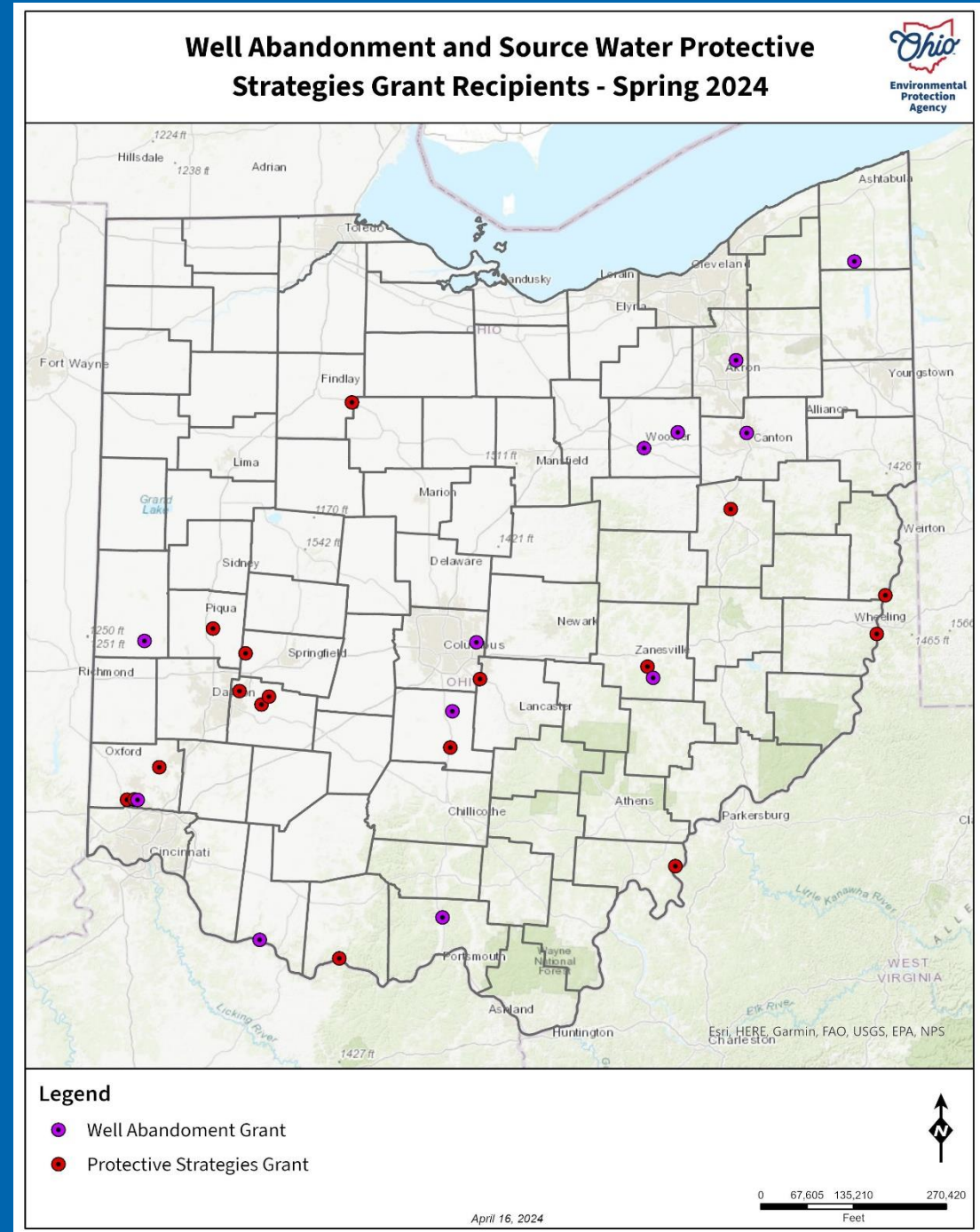
- **Service Line Inventory Assistance Program - \$18 million**



*Service-Line Verification Pot-Holing Demonstration
RCAP Field Day, 06-11-2024*

SWP Grant Breakdown

- Award Letters Sent!
- SWP Strategies Grant
 - ~\$360,000 to 22 PWS
- Well Abandonment Grant
 - ~\$253,000 to 12 PWS



Distribution Equipment Grants

- Two rounds
- 350 grants
- \$3.2 million



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H2Ohio



Examples of SWP Strategies

- Purchasing educational materials for outreach to customers, general public and in local schools
 - Envirosapes Watershed 3-D model
 - Environmental Brochures and mailing materials to send information on SWAP plan
 - Printing coloring books for distribution
- Source Water Protection Signs (in high traffic areas, protect future land use)
- Spill Containment and Clean Up kits (providing to businesses on pcsi list, stage at WTP and wellfield)
- Participation in Emergency Response Training (E-learning courses, coordination with FDs)
- Source Water Protection website development/update
- Video Series (inform public how to protect ground water)
- School Field Trip
- Early Warning Monitoring Wells
- Fencing around wells

UPCOMING GRANTS

Fall 2024

- **Well Abandonment & Source Water Protective Strategies Grants:**

- Well Abandonment: \$250k available, up to \$15k per well
- Source Water Protective Strategies: \$500k available, up to \$20k per strategy

- **Emergency Generator Grant:**

- \$1,250,000 available, up to \$50k per award

- **NEW: Water Audit and Water Loss Control Program Grant:**

- \$1 million available, up to \$20k per award



*Service-Line Verification Pot-Holing Demonstration
RCAP Field Day, 06-11-2024*

Water Audit and Water Loss Control Program Grant

The purpose of this grant program is to help small community public water systems increase their technical capacity to provide a continuous source of safe drinking water in a more efficient way by contracting with a third-party to assist with a water audit and water loss control program development.

Water Audit and Water Loss Control Program Grant

Items eligible for reimbursement:

- Initial water loss control program development conducted by a third-party contractor, which must include:
 - a thorough water audit
 - A plan or intervention process to address findings of the water audit and reduce or eliminate water losses, and
 - an evaluation to determine if steps taken to address water loss issues have been successful.
- A final report from the selected third-party contractor detailing the outcomes of initial program development and future planning should be provided with reimbursement documentation.

Service Line Inventory

Direct Assistance Contract

- \$18 million
- Contracted with two vendors to meet the needs of Ohio's PWS
- 140 PWS have requested assistance
- Contractor will be sent out to provide assistance - No charge
- Assistance includes inventory development, identification, replacement plans
- All community and not for profit NTNC's can receive assistance



How to Participate and Stay Engaged

- Update contact information with inspectors
- Follow Ohio EPA on social media
- Follow WSRLA program announcements
- Questions: [**infrastructurefunding@epa.ohio.gov**](mailto:infrastructurefunding@epa.ohio.gov)



WSRLA



DDAGW Grants



Project Planning

- Water Loss
- Rate Study
- Alternatives Analysis
- Cost Comparison
- Environmental Impacts
- Ongoing Operation and Maintenance Costs
- Demonstration Studies
- Corrosion Control Evaluations



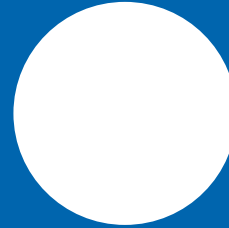
Components of an Asset Management Program



INVENTORY AND EVALUATION
OF ALL ASSETS



OPERATION AND
MAINTENANCE PROGRAMS



EMERGENCY PREPAREDNESS
AND CONTINGENCY
PLANNING PROGRAM



CRITERIA AND TIMELINES
FOR INFRASTRUCTURE
REHABILITATION AND
REPLACEMENT

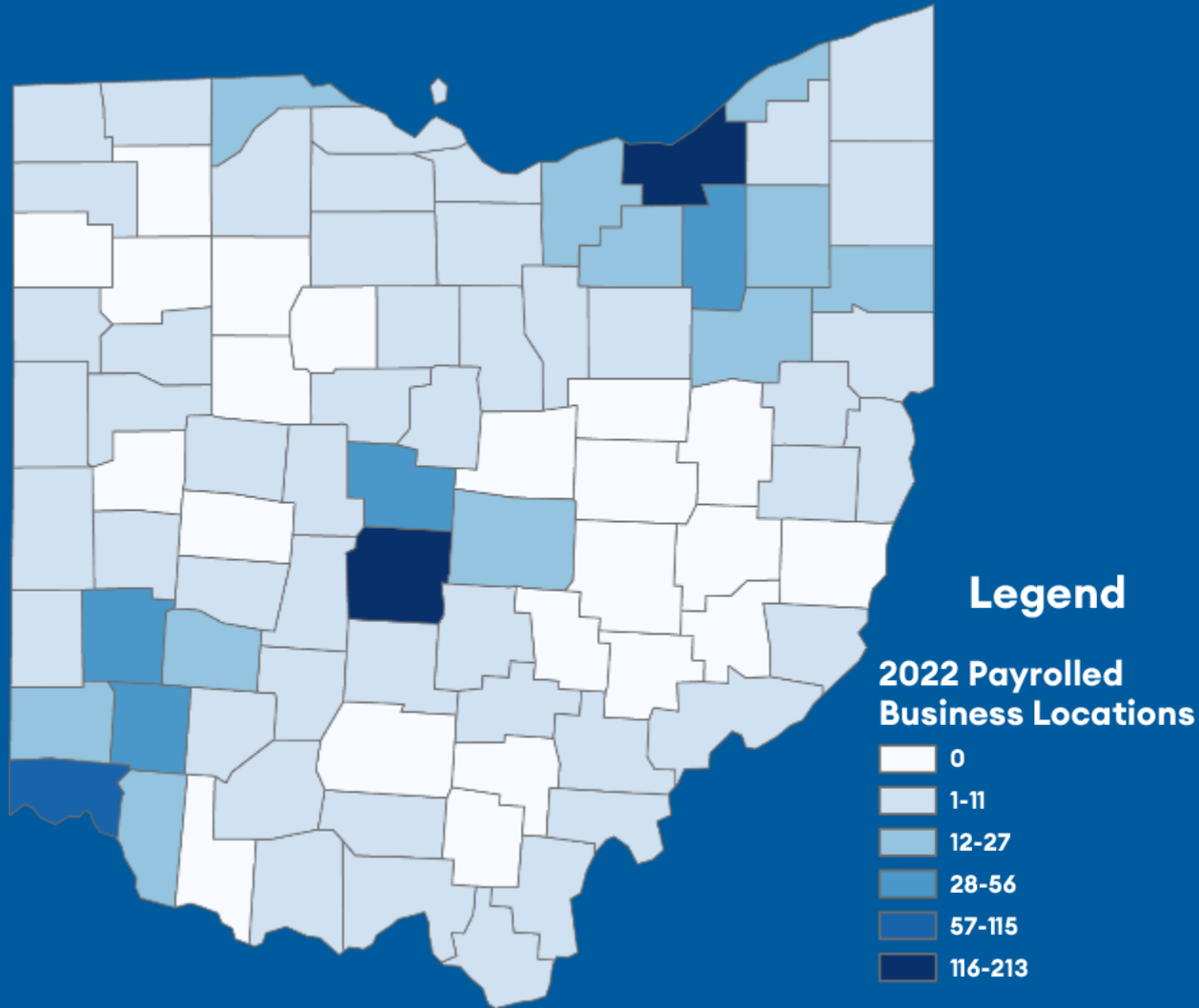


APPROVED CAPACITY PROJECTIONS
AND CAPITAL IMPROVEMENT
PLANNING



LONG-TERM FUNDING STRATEGY TO
SUPPORT ASSET MANAGEMENT
PROGRAM IMPLEMENTATION

Dramatic Growth in the Data Center Industry over the Past Decade



3X Data Center Growth

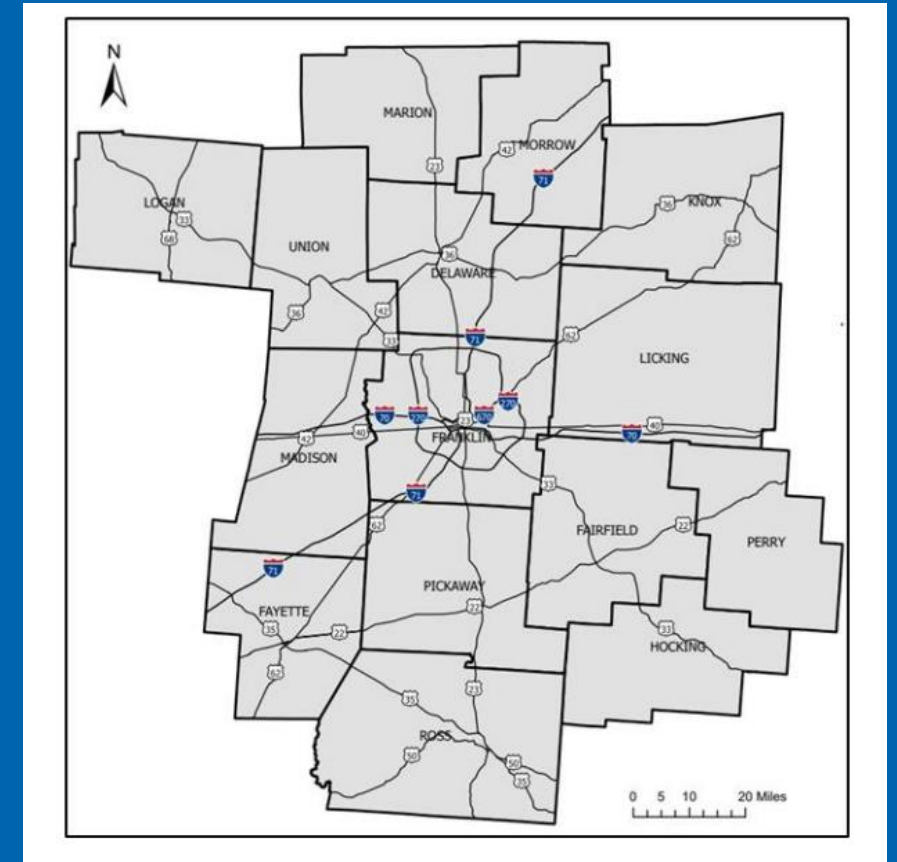
In 2011, Ohio had
379 data center locations -

Today, there are over 1,100

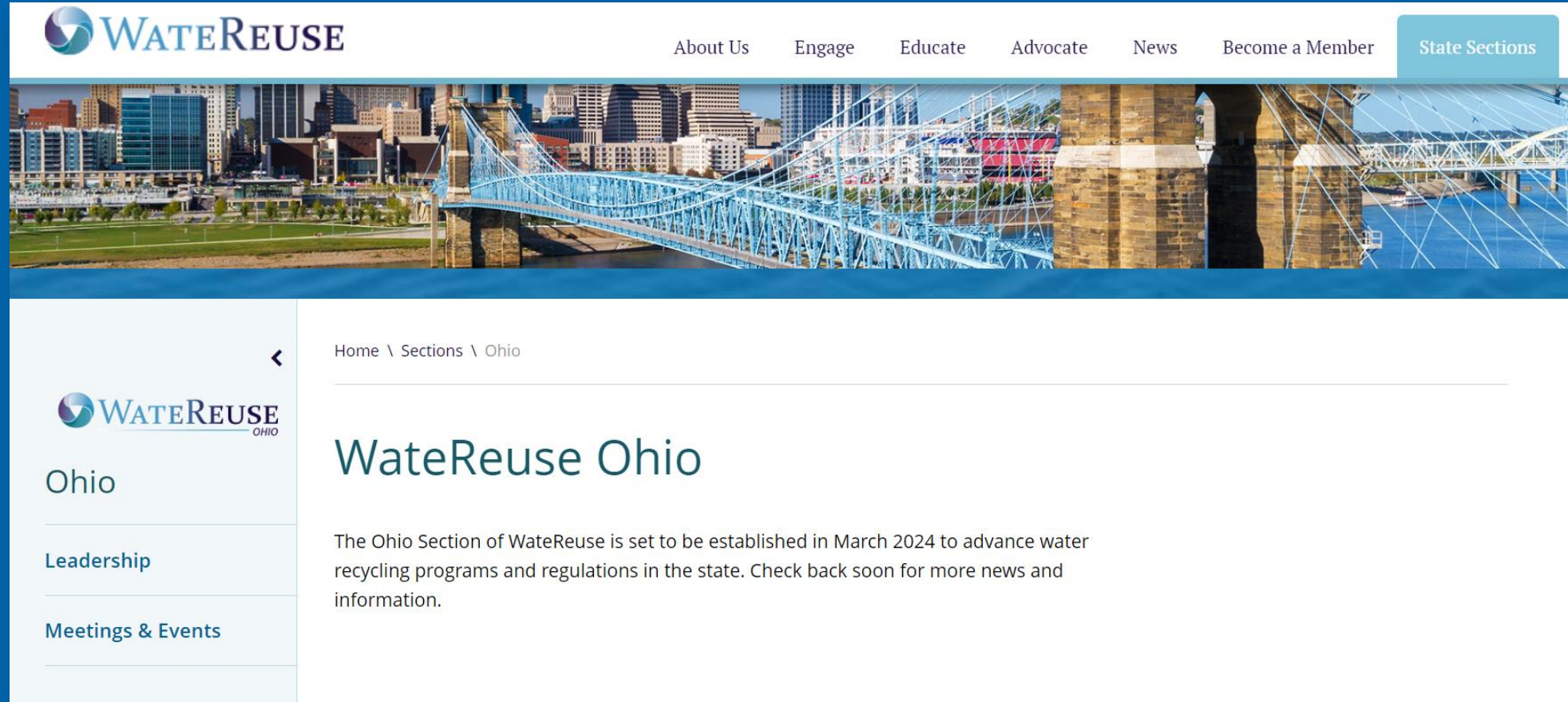


Central Ohio Water Study

- 15 county comprehensive study
- Evaluate water resources, water and wastewater capacity, and ground and surface water conditions and status
- Ambitious 12-month effort
- Planning to replicate in other areas of the state



Water Reuse



The screenshot shows the WaterReuse website with a blue header. The main navigation bar includes links for 'About Us', 'Engage', 'Educate', 'Advocate', 'News', 'Become a Member', and 'State Sections'. A large banner image of a suspension bridge over a river is displayed. The left sidebar contains the WaterReuse Ohio logo, a back arrow, and links for 'Ohio', 'Leadership', and 'Meetings & Events'. The main content area shows the breadcrumb 'Home \ Sections \ Ohio', the title 'WaterReuse Ohio', and a paragraph stating that the Ohio Section is set to be established in March 2024 to advance water recycling programs and regulations in the state.

WATERREUSE

About Us Engage Educate Advocate News Become a Member **State Sections**

Home \ Sections \ Ohio

WATERREUSE
OHIO

Ohio

Leadership

Meetings & Events

WaterReuse Ohio

The Ohio Section of WaterReuse is set to be established in March 2024 to advance water recycling programs and regulations in the state. Check back soon for more news and information.

<https://watereuse.org/sections/ohio/>

Also on the Radar

- Cybersecurity
- Workforce Development
- Contingency Planning
- Emergency Response coordination
- Coordination with USEPA (R5 and HQ)



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Also on the Radar

- Cybersecurity
- Workforce Development
- Contingency Planning
- Emergency Response coordination
- Water reuse and planning
- Efficiencies and customer service



Takeaways



Energized federal regulatory environment



Regulatory changes coming... we are all on notice and need to start working now



Ohio EPA fully committed to (continue and expand) our partnership with the water industry

Thank You

**Tanushree Courlas,
Assistant Chief**

Division of Drinking and Ground Waters
614.644.2752

Tanushree.Courlas@epa.ohio.gov

<http://epa.ohio.gov/ddagw/>

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