

"H2Ohio is making an impact on Ohioans across our great state, but now is not the time to stop and celebrate. Now is the time to continue pushing forward, dedicating our efforts, and investing in our greatest resource to provide a better, healthier, and safer future for all."

-Mike DeWine, Governor



Enacted FY 2024-2025 Budget

\$121.4 million for the Department of Agriculture

Continue nutrient management, water management, and erosion management on farms and launch H2Ohio Rivers work.

\$93.2 million for the Department of Natural Resources

Restore wetlands and launch H2Ohio Rivers work.

\$55 million for the Ohio Environmental Protection Agency

Protect public health by improving water and wastewater infrastructure, reducing lead exposure, and technology investments and launch H2Ohio Rivers work.

\$260,000 for Ohio Lake Erie Commission

Advance an H2Ohio transparency and accountability tools.

Enacted FY 2024-2025 Budget: \$270 million

Enacted FY 2022-2023 Budget: \$168 million

Enacted FY 2020-2021 Budget: \$172 million

1.4 Million Acres

in voluntary nutrient management plans

706

lead service lines to be replaced

301

home sewage treatment systems to be repaired or replaced

3,000 Square Miles

of additional watershed to be monitored for nutrient content

new rain gages installed

acres of watershed filtered by wetland projects

number of people to be served by 20 wastewater projects 15,705

acres of wetland and ecosystem restoration

Nearly 35%

of the Western Lake Erie Basin cropland enrolled

2.2 Million Acres

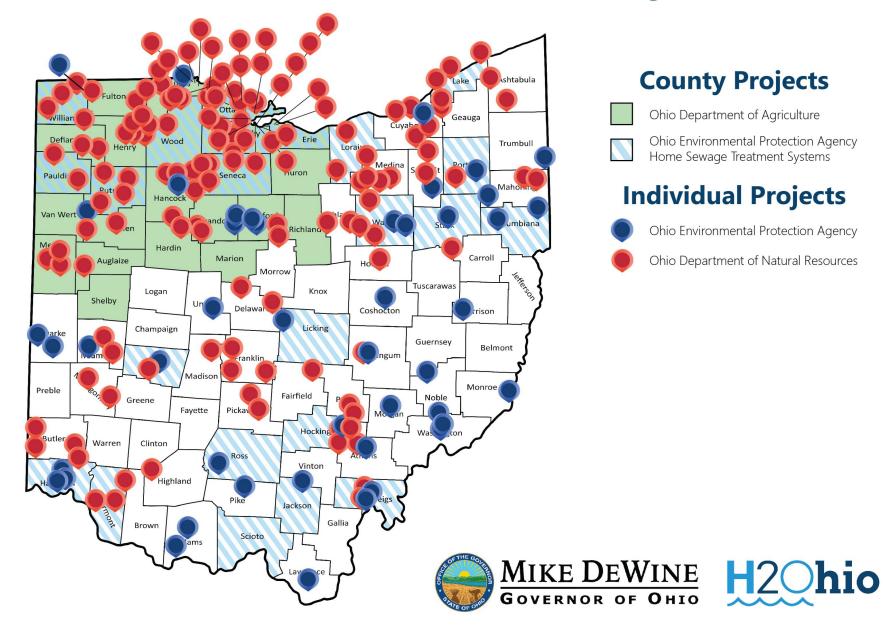
enrolled in overwintering cover, manure incorporation, precision and placement practices

44,000 People

people to be served by 19 new drinking water projects

2400 Producers have entered into agreements

H2Ohio Statewide Projects







Ohioans are benefiting from H2Ohio's funding for critical water and sewer infrastructure projects led by Ohio EPA. More than 59,000 Ohioans will be served by one of the 65 H2Ohio projects for critical water and sewer infrastructure. This includes much-needed waterline extensions and new sanitary sewer lines, lead service line replacements at child-

care facilities and within communities, and household sewage reatment system repairs and replacements. Ohio EPA's H2Ohio funding addresses critical water and wastewater infrastructure needs in communities throughout Ohio, particularly in economically disadvantaged communities that need projects that are not possible without additional financial support.



H2Ohio continues to be a transparent initiative, keeping stakeholders and Ohioans updated on its progress. In the last year, 10 new, interactive dashboards were created to inform Ohioans on H2Ohio's progress in overall water quality improvement. OLEC also regularly engages the scientific community as a check and balance on H2Ohio's effectiveness and goals. Another way OLEC is achieving thi is through the development of an H2Ohio watershed mod el with The Ohio State University. This model will provide insight into conservation effectiveness and how long it wil take to achieve nutrient reduction goals for Lake Erie.





approach to improving water quality. Though H2Ohio is a statewide effort, one measuremen of success is the phosphorus reduction in Lake Erie and beyond.

4 H20hio Accomplishments for Fiscal Year 2023

VNMPs are essential to all other conservation practices a are required for each farmer enrolled in H2Ohio. Farmers VNMP to determine the exact amount of nutrients neede their fields, and in some cases, none is needed. H2Ohio fo es heavily on nutrient management on every farm becau nutrient runoff is a leading cause of harmful algal blooms waterways such as Lake Erie. Thanks to H2Ohio, one in ev

three fields in northwest Ohio is now following a VNMP, en



is continuing to decrease year after year

Potential Load Reduction in the Western Lake Erie Basin (2023)



Department of

Department of Natural Resources

Environmental Protection Agency



Ohio's Phosphorus Reduction Goals for the Maumee River Watershed

2008 BASELINE PHOSPHORUS LOAD

2.5M Pounds

Ohio's portion of the Maumee River Watershed contributes approximately 2.5 million pounds of phosphorus into Lake Erie each spring. LOAD REDUCTION GOAL

1M Pounds

Research indicates that a 1 million pound (40%) reduction in Ohio's portion of the Maumee River Watershed's spring phosphorus load will dramatically reduce harmful algal blooms in Lake Erie.

ANNUAL LOAD GOAL



1.5M Pounds

H2Ohio's goal is for Ohio to contribute no more than 1.5 million pounds of phosphorus from the Maumee River Watershed into Lake Erie each spring.





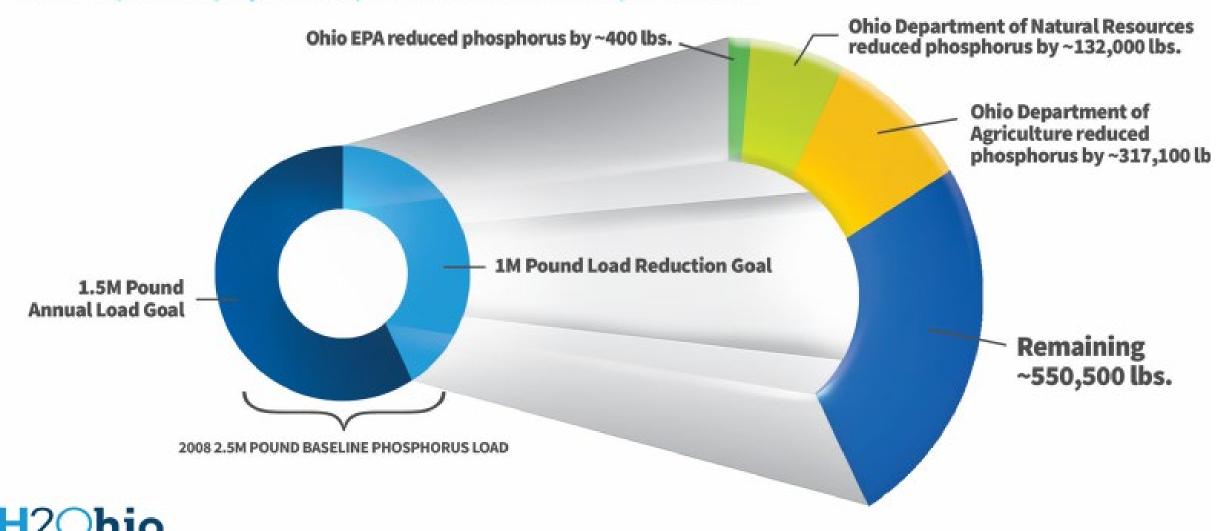






Potential Load Reduction in the Western Lake Erie Basin (2023)

Based on planned projects and practices as well as completed work





Watershed Modeling of H2Ohio



Water quality benefits of H2Ohio conservation practices in the Maumee River Watershed: SWAT model projections



Maumee River Watershed and sub-watersheds (UT team has mapped practices in three, green) and the outlet at Waterville (red).

The 'top ten' H2Ohio practices

Nutrient management

- 1. Soil testing and voluntary nutrient management plans
- Variable rate application
- Subsurface fertilizer placement
- Manure incorporation

Erosion management

- 5. Conservation crop rotation
- Cover crops

Water management

- Drainage water management
- Riparian forest buffers
- 9. Two-stage ditch construction
- 10. Headwater and coastal flow-through wetlands



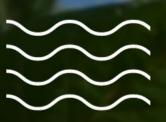


2,400 Producers



enrolled implementing best management practices on the farm

More than 18,000 Acres



of watershed improved by conservation ditch projects

1.4 Million Acres



enrolled in a Voluntary
Nutrient Management
Plan

Over 2.2 Million Acres



enrolled in overwintering cover, manure incorporation, precision, and placement practices



H2Ohio Conservation Ditch Program

\$5 Million in grants to Soil and Water Conservation Districts and County Engineers in the WLEB



11 projects covering 8.4 linear miles



benefitting 18,000 acres of watershed

ODA just concluded a second round of statewide grant applications for \$5 million in 2024.



Department of Agriculture

Accomplishments

ODA and local Soil and Water Conservation Districts are participating in a comprehensive outreach initiative to enroll more producers.





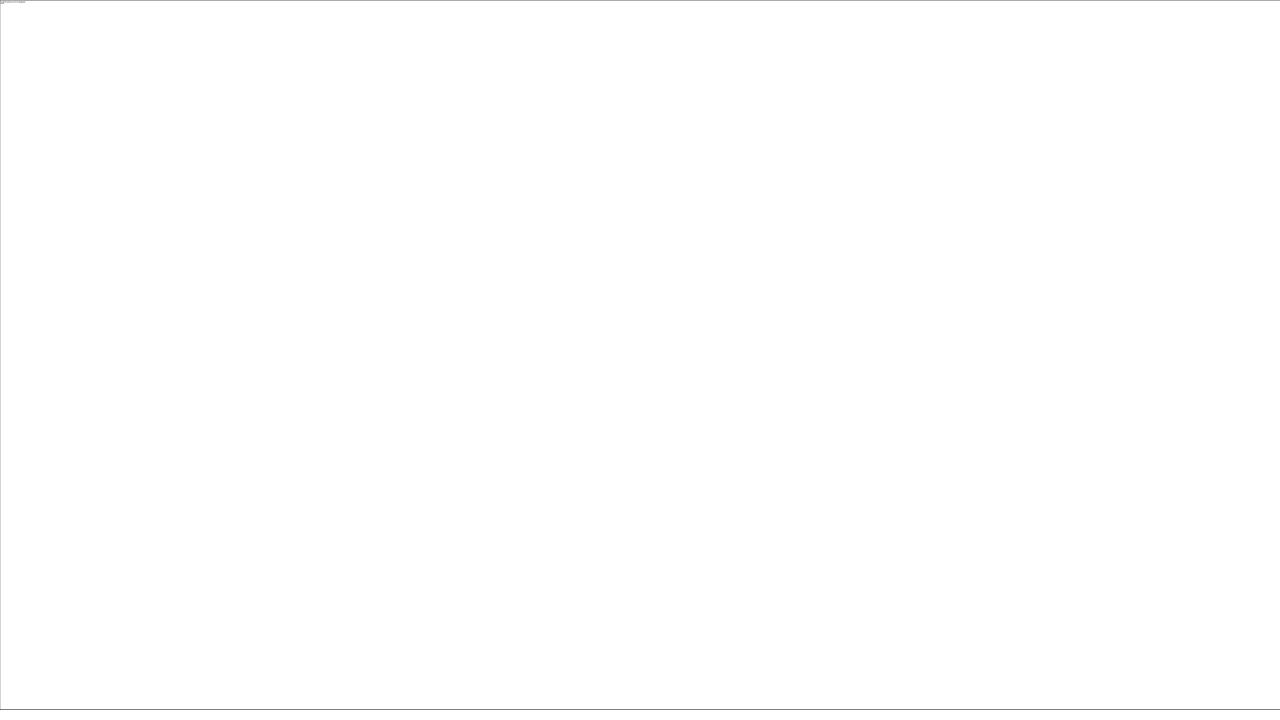
Statewide Expansion

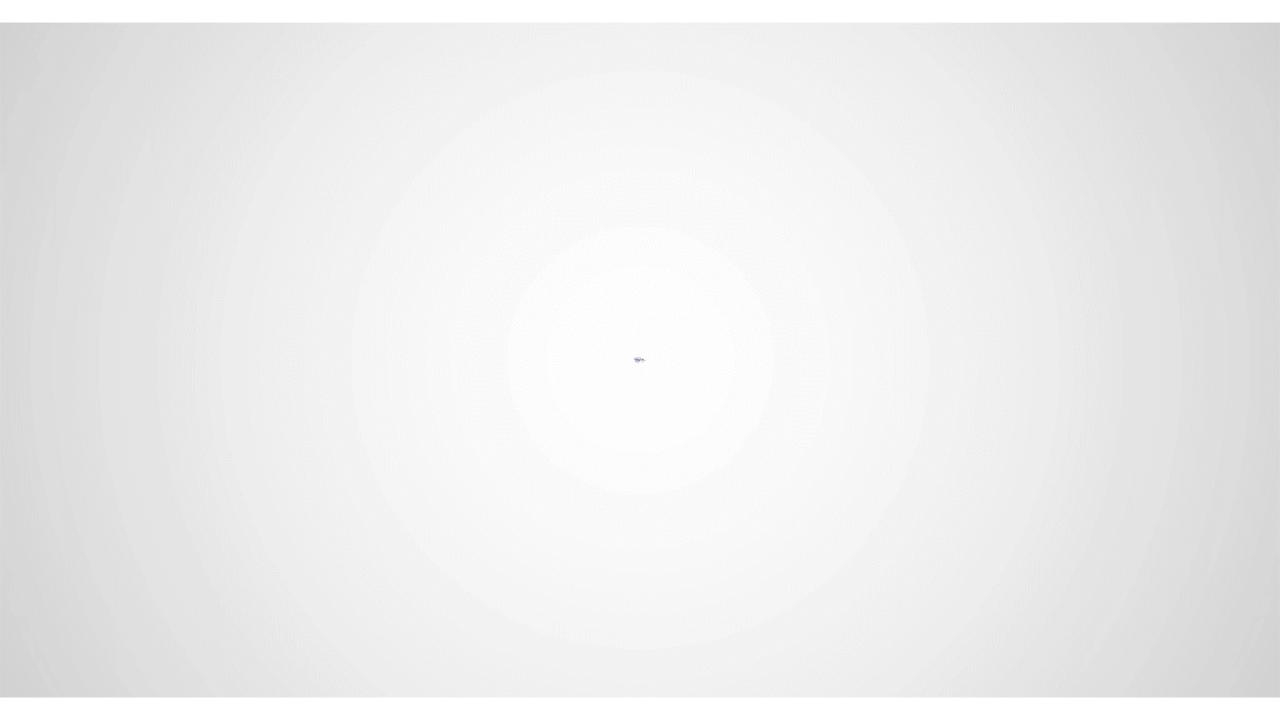
Producers outside of the Western Lake Erie Basin will be eligible to enroll acres into a Voluntary Nutrient Management Plan.

500,000 Acre Goal

ODA's goal is to enroll 500,000 acres across Ohio and build capacity and education at the Soil and Water Conservation Districts to support and implement H2Ohio.

H2Ohio Annual Report FY23 Accomplishments
Plans for the Future



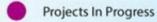


LAKE ERIE COLUMBIANA KNOX UNION DELAWARE 68 COSHOCTON HARRISON DARKE CHAMPAICN LICKING **GUERNSEY** BELMONT MUSKINGUM FRANKLIN PREBLE FAIRFIELD PERRY MONROE MONTGOMERY GREENE PICKAWAY 85 MORGAN FAYETTE BUTLER CLINTON VINTON **SACKSON** Map Legend

H2Ohio Statewide Projects (Status)

and Water Quality Incentive **Program Projects**





Water Quality Incentive **Program Projects**



Western Lake Erie Basin



Maumee River Watershed



Lake Erie/Ohio River Watershed Divide







\$134 million

99

to support wetland project implementation o-----



+160K



trees have been planted in wetland buffers



0

66 number of completed projects

15,705
acres of wetland and ecosystem restoration

203



landowners incentivized to establish wetlands and wooded riparian buffers through Lake Erie CREP Sequester more than

5.5 million

pounds of carbon every year

Reduce nitrogen each year by more than

747K pounds

And capture more than

149_K

pounds of phosphorus.

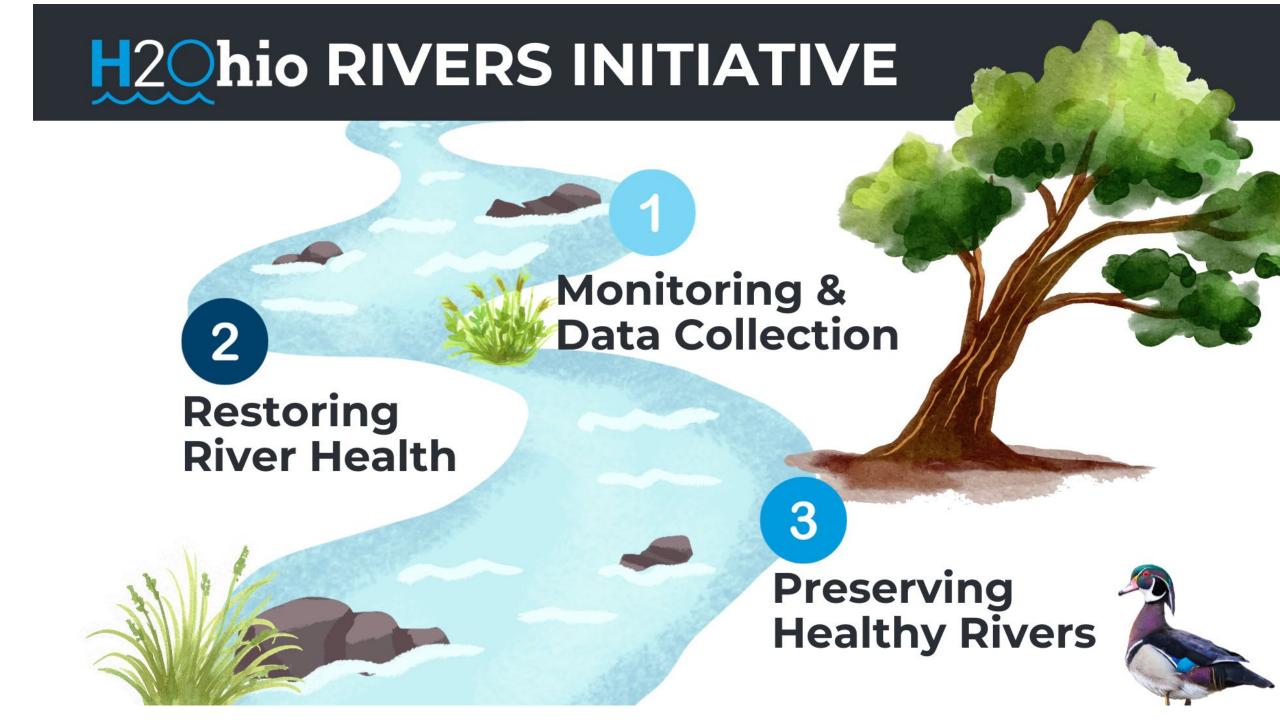
H2Ohio FUTURE PRIORITIES



for FY 24 – allocated and contacts signed July 1

\$30M \$

for FY 25 – more contracts to be signed by July 1, 2024





H2Ohio RIVERS INITIATIVE

The H2Ohio Rivers Initiative is designed to improve water quality, ensure community health, protect wildlife, and provide opportunities for recreation in and along Ohio's largest rivers.



Environmental Protection Agency

\$15M Over 2 Years



River Restoration



Dam Removal

An expansion of the H2Ohio initiative, the H2Ohio Rivers Initiative places an emphasis on the preservation and improvement of our rivers, that provide critical wildlife habitat, drinking water, and recreation space.

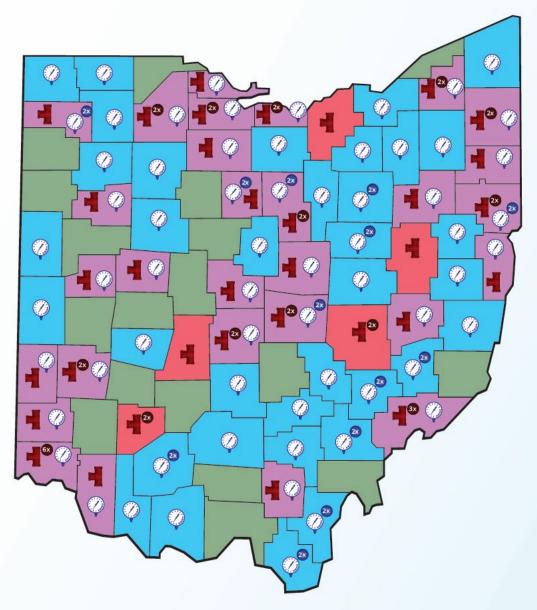


Road Salt Management



Emerging Contaminant Assessment

As of 2023







Statewide Projects

As of 2023

Drinking Water Equipment Grants

More than 100 communities across the state have been awarded a total of \$1 million in grants to help pay for equipment needed to maintain their public drinking water infrastructure. The grants cover distribution system equipment such as mobile leak detectors, line locators, valve exercisers, flow meters, hydrant condition assessors, pressure monitors, and training to use the equipment.



Project Count





Lead Service Mapping Grants

Ohio EPA announced approximately \$2.4 million in H2Ohio grant assistance to help 53 public water systems take the first step toward removing and replacing lead water pipes.











Drinking Water Equipment Grants and Lead Service Mapping Grants



Both Projects



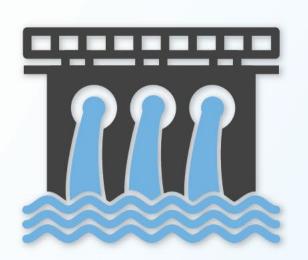








for 39 critical water and sewer projects





\$4,500,000



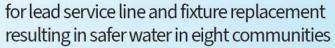


\$1,000,000

for drinking water equipment in 111 communities for better distribution



\$3,200,000





\$4,238,000

for 23 local health districts to replace household sewage treatment systems





Lake Erie Commission Department of Agriculture

Environmental Protection Agency



h2.ohio.gov