

# 2022 ANNUAL REPORT



Ohio Water  
Development Authority

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Fresh Water Loan Program



Fresh Water Refinance Loan Program



Water Pollution Control Loan Fund



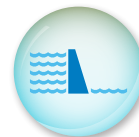
Drinking Water Assistance Fund



Un-sewered Area



Solid Waste



Dam Safety



Brownfield



Research & Development



Rural Development

# TO: THE GOVERNOR OF OHIO, MEMBERS OF THE GENERAL ASSEMBLY, AND CITIZENS OF THE STATE

The State of Ohio created the Ohio Water Development Authority (Authority) to provide construction funding for public water and wastewater infrastructure in Ohio to address the seemingly overwhelming problem of pollution that sickened Ohio's rivers and lakes in the 1960s and '70s. Since 1968, the Authority has funded the planning, design, and construction of over \$20.8 billion of water and wastewater projects.

Governor DeWine stated in his 2023 State of the State address "In Ohio, water is one of our greatest assets! It is tied directly to our health, our quality of life and our ability to create jobs."

In 2022, the Authority responded to the needs of the state by awarding \$1,421,167,862 for the planning and construction of water, sewer, brownfield remediation, dam safety, and solid waste facilities. The Authority funded 423 projects in 86 of the 88 counties in Ohio. These projects replaced aging infrastructure, expanded capacity of treatment plants, installed technology for better water quality and addressed the treatment of harmful algal blooms.

Of the 423 awarded projects, 90 projects qualified for an interest rate of 0% through the Water Pollution Control Loan Fund and the Drinking Water Assistance Fund. The remaining awarded projects received an average interest rate of 2.13%. These below market rates allowed local governments to construct necessary water and sewer improvements while minimizing the impact to user charges.

With the passage of House Bill 294 at the end of 2020, the Authority began refinancing water and sewer debt in 2021. As of December 31, 2022, the Authority had approved and funded 102 loans totaling over \$174 million to 60 borrowers. 91 loans refinanced existing USDA Rural Development loans. The remaining loans refinanced revenue bonds. The 60 borrowers saved a total of \$49 million by refinancing with the Authority.

To respond to the 2022 loan demand and to take advantage of a low interest rate environment, the Authority raised \$150 million by issuing bonds in the Drinking Water Assistance Fund. The issuance received the highest possible bond rating from Moody's Investor Service, S&P Global Ratings, and Fitch Ratings.

The Authority will continue to rely on our past strengths to meet the ongoing needs of the state.



James Stewart  
Chairman



Ken J. Heigel, P.E.  
Executive Director

# 2022 FINANCING

Since the Ohio Water Development Authority's creation in 1968, the Authority has always pursued borrowings that assure the Authority the lowest cost of funds in order to maintain low borrowing rates for the local governments of Ohio. Through this philosophy, the Authority has focused not only on the present needs of Ohio's local governments but also contributed to strengthening their financial futures. During 2022, the Authority completed one bond issuances to raise funds for the Drinking Water Assistance Fund.

This issuance received Aaa ratings from Moody's Investor Service and AAA ratings from S&P Global Ratings and raised \$150,000,000. The Authority was able to receive these ratings due to the strong credit quality and diversity of its loan pool along with its capacity to absorb high percentages of potential loan defaults without interruption in the payment of debt service.



## Drinking Water Assistance Fund

**\$150,000,000**

**DWAF Series 2022A  
(Sustainability Bonds)**

*December 13, 2022*

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

**Senior Manager**

Loop Capital Markets

**Co-Senior Manager**

RBC Capital Markets

**Co-Managers**

Janney Montgomery Scott,

PNC Capital Markets,

UBS Financial Services Inc.

**External Reviewer**

Kestrel Verifiers

**True Interest Cost**

3.71%

- 47 institutional accounts participated in the transaction with \$1.4 billion in priority orders resulting in an 11.6x subscription level.
  - 29 new investors to the DWAF credit
  - 13 new investors to OWDA
  - Nine ESG investors placed \$355 million of orders
- As a result of favorable marketing dynamics and strong investor interest, yields were lowered 15-35 bps on the day of pricing while the AAA MMD index was lowered by 12-15 bps.

# 2022 BY THE NUMBERS



## Rising interest rates thru the year



**1.83%**  
lowest 20-year Fresh Water interest rate in February 2022

**4.26%**  
highest 20-year Fresh Water interest rate in December 2022



**981**  
septic systems replaced with Un-sewered Area Assistance Fund



**184**  
Research and Development grants awarded since 1985

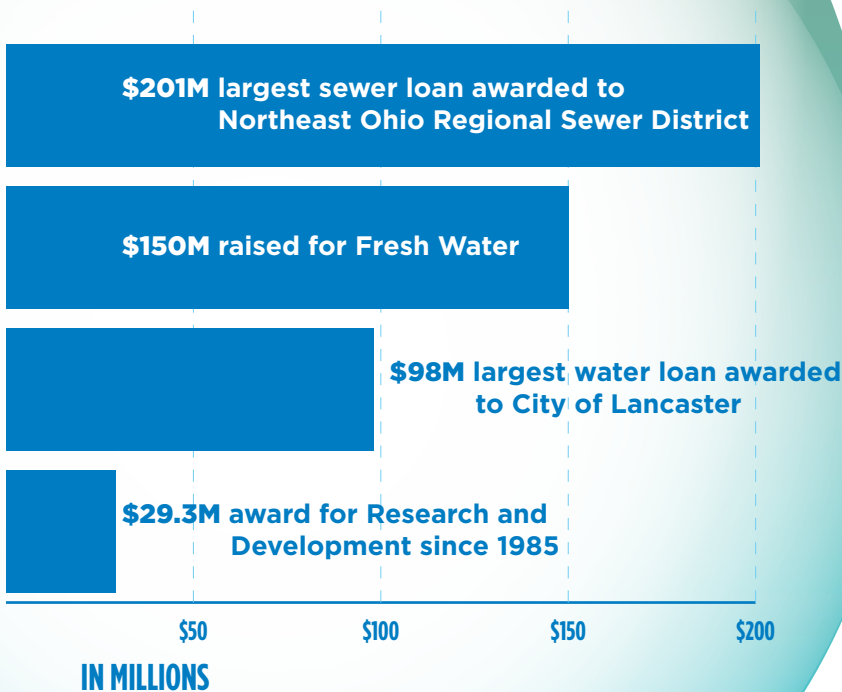


**10**  
Research and Development grants awarded in 2022

## Projects awarded in 86 of the 88 counties



**\$1.41B AWARDED IN 2022, 35% INCREASE FROM 2021**

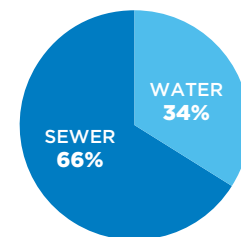


**\$20.9 BILLION AWARDED FUNDING SINCE 1968**

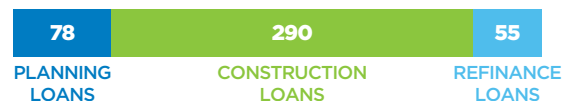


**33 borrowers saved \$17,000,000 by refinancing with OWDA**

## Dollars Awarded



## Types of Loans



**Aaa / AAA**  
ratings from Moody's and S&P



# FRESH WATER LOAN PROGRAM

## Planning, Design and Construction

The Ohio Water Development Authority created the Fresh Water Program in 1992 to provide financial assistance for planning, design, and construction of drinking water, wastewater, and storm water projects. During 2022, the Authority awarded loans totaling \$139,094,634; consisting of 36 water construction loans for \$53,773,651; 19 sewer construction loans for \$75,403,117; 11 water planning and design loans for \$3,521,485; and 13 sewer planning and design loans for \$6,396,381.

As of December 31, 2022, OWDA has financed planning, construction, and refinance projects to 593 communities through the Fresh Water Loan Program. The City of Columbus, City of Toledo, City of Lima, City of Fremont, and Medina County are the five largest borrowers in the Fresh Water Loan Program.

The Authority awarded significant Fresh Water construction loans in 2022 to the following borrowers:

BORROWER	PROJECT	AMOUNT
Delaware County	WWTP Headworks and Aeration Upgrades	\$37,022,147
Montgomery County	WWTP Biosolids Handling Improvements	\$8,620,065

## Community Assistance

Communities with a population less than 5,000 can apply for a Community Assistance loan. Created in 1997, the Community Assistance Program

funded from the Fresh Water Program, provides construction loans to local governments at a rate lower than the Fresh Water Program interest rate if the projected sewer user charges are above 1.5% of the community's median household income (MHI) for wastewater projects; or the projected water user charges are above 1.1% of the community's MHI for water projects. The Authority awarded 3 Community Assistance projects totaling \$892,279,000 in 2022. These projects provided funding for a water booster station and two new water towers.

## Refinance



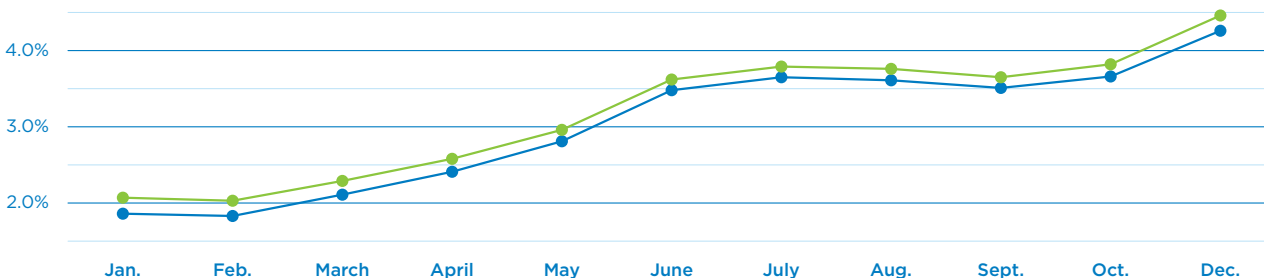
During 2022, the Authority approved and funded 55 loans totaling \$61,720,438 to 33 borrowers. Twelve of the refinanced loans received the Community Assistance interest rate ranging from 0.50% to 1.12% depending upon the term of the refinanced loan. The remaining loans received interest rates ranging from 1.51% to 3.76%. The interest rate is determined based on the weighted average maturity of the debt to be refinanced. In 2022 the program provided a total savings of \$17 million for these 33 borrowers. Since the inception of the program in 2021, 60 borrowers have saved \$49 million.

### SIGNIFICANT FRESH WATER REFINANCE LOANS

BORROWER	PROJECT	AMOUNT
City of Harrison	Refinance of Revenue Refunding Bonds Series 2012	\$6,994,685
Village of Newton Falls	Refinance of USDA Loan 92-01	\$4,154,174

## 2022 INTEREST RATES

2022 FRESH WATER CONSTRUCTION INTEREST RATE | 30 YEAR | 20 YEAR



WPCLF and DWAF interest rates are 1.25% less than Fresh Water rate for a 20-year term and 1.30% less than Fresh Water rate for 30-year term.

The Fresh Water Construction Interest Rate is determined by the eight week Aa MMD average plus 30 basis points.



## WATER POLLUTION CONTROL LOAN FUND (WPCLF) LOAN PROGRAM

The WPCLF, administered by Ohio EPA and OWDA, started in 1989 from capitalization grants provided by the federal government through the Clean Water Act. The WPCLF offers below market-rate loans to Ohio’s communities to undertake improvements to their wastewater collection and treatment systems. During 2022, the Water Pollution Control Loan Fund (WPCLF) awarded 141 construction projects totaling \$775,651,518 and 34 planning and design projects totaling \$30,806,587.

Since the beginning of the program, OWDA has funded projects to 601 communities. The City of Columbus and the Northeast Ohio Regional Sewer District are the two largest borrowers in the WPCLF Loan Program.

The Authority awarded significant WPCLF loans in 2022 to the following borrowers:

SIGNIFICANT WPCLF PROJECTS		
BORROWER	PROJECT	AMOUNT
Northeast Ohio Regional Sewer District	Shoreline Storage Tunnel	\$201,580,000
City of Wapakoneta	WWTP Expansion	\$82,723,871

Ohio EPA established the Water Resource Restoration Sponsor Program (WRRSP) in 2000 to allow WPCLF loan recipients to sponsor environmental projects that benefit water quality. Various environmental organizations implement the projects, which can include the purchase of land or conservation easements, and the preservation and maintenance of wetlands, stream banks or conservation areas. During 2022, the WPCLF funded 22 WRRSP projects totaling \$26,682,142 to 4 communities: City of Circleville, City of Elyria, Montgomery County, and the Northeast Ohio Regional Sewer District.



## DRINKING WATER ASSISTANCE FUND (DWAF) LOAN PROGRAM

The DWAF Program was created during 1998 with capitalization grants from the US EPA, under the Safe Drinking Water Act Amendments of 1996, to provide funds to public water systems for the cost of facility improvements to meet Safe Drinking Water Act standards. During 2022, the Drinking Water Assistance Fund (DWAF) awarded 83 construction loans totaling \$383,196,924 and 20 planning and design loans for \$10,026,933.

Since the beginning of the program, OWDA has funded projects to 370 communities. The City of Columbus and the City of Cleveland are the two largest borrowers in the DWAF Loan Program.

The Authority awarded significant DWAF loans in 2022 to the following borrowers:

SIGNIFICANT DWAF PROJECTS		
BORROWER	PROJECT	AMOUNT
City of Lancaster	North Water Treatment Plant Replacement	\$98,189,198
Greene County	Northwest Regional Water Treatment Plant Expansion	\$48,424,044

Ohio EPA established the Lead Service Line Replacement program in 2020. Up to \$20 million of principal forgiveness will be made available during program years 2021 and 2022 for the replacement of lead service lines. Each applicant may receive up to \$1 million per year. In 2022, Ohio EPA awarded \$9.1 million to 19 communities for the replacement of lead service lines on both public and private property.



# RESEARCH & DEVELOPMENT GRANT PROGRAM

**The Authority awarded 10 project grants totaling \$1,858,710 from the Research and Development (RD) Grant Fund.**

Created in 1985, the RD Grant Program supports research to develop new and innovative means to treat, control, prevent or minimize pollution. OWDA works with other state agencies, universities or colleges, and local governments to develop cutting-edge methods and to pass them on to all of Ohio's communities to both protect the environment and provide financial savings. Since its inception, the RD Grant Program has awarded 184 grants totaling \$29,380,663.

**The 2022 grants awarded cover a number of water-related topics:**



## Mercer County

was awarded a \$182,245 grant for the project titled Investigation into Single Stream Swine Phosphorus - Ammonia Recovery. The increasing usage of livestock manure application creates a need for removal of nitrogen (N) and phosphorus (P) from the manure prior to land application. Recovering the N and P in a single stream treatment process will allow for a better managed and controlled application. This project will develop the concept of a mobile unit that can treat manure for a 5-day period with a minimum treatment capacity of 300,000 gallons.



Ohio Department of **NATURAL RESOURCES**

## Ohio Department of Natural Resources

was awarded a \$200,000 grant for the project titled Deployment of Algae Harvesting and

Hydronucleation Flotation Technology (HFT) to Improve Water Quality in Ohio. Current practices to address harmful algal blooms (HABs) are typically short term fixes, meant to address blooms after their establishment in waterways. Chemical applications can also create secondary issues like impacts to flora and fauna, high costs and chemical fatigue. It is imperative to explore new technologies to demonstrate their effectiveness. AECOM Technical Services' technology proposal to the H2Ohio Technical Assistance Program (TAP) uses advanced dissolved air flotation (DAF), liquid solid separation technology that physically removes algae, phosphorus, nitrogen, carbon and cyanotoxins from the water column.



**THE OHIO STATE UNIVERSITY**

## Ohio State University

was awarded a \$199,681 grant for the project titled Assessing Efficacy of Automated Drainage Water Management as an Environmental Infrastructure Investment on Ohio's Farms. Automated drainage water management (ADWM) employs two-way telemetry to reduce labor associated with manual operation, suggesting significant potential to improve water quality in regions with tile drained cropland, while also enhancing farm economic viability. Currently, there is limited research published regarding the use of paired systems to evaluate the performance of ADWM as compared to manual DWM or freely draining systems. ADWM was selected as an innovative technology under the H2Ohio Technology Assessment Program (TAP).

## Ohio State University

was awarded a \$144,717 grant for the project titled Investigating Basin Retrofits to Improve Water Quality and Reduce Streambank Erosion. Streambank erosion and water quality degradation are common problems in Ohio's watersheds. Very few stormwater basins in Ohio have been retrofitted to decrease erosion and improve water quality, and this retrofitting needs investigated to determine the feasibility of this strategy. This retrofitting has the potential to be a much lower cost option as





# RESEARCH & DEVELOPMENT GRANT PROGRAM

compared to streambank stabilization projects or building new stormwater control measures.

## Ohio State University

was awarded a \$200,000 grant for the operation of the Ohio Water Resources Center. The Ohio Water Resources Center (Ohio WRC) is the federally-authorized and state-designated Water Resources Research Institute for Ohio. The Ohio WRC promotes education and research through grants to new researchers investigating state water issues. The grant will allow the Ohio WRC to fund beginning-level investigators specifically focused on Ohio water issues and foster connections among researchers, students, state agency personnel, and other stakeholders to increase relevance of water-related research.

## Ohio State University

was awarded a \$200,000 grant for the project titled Simultaneous Assessment of Cyanotoxin, Taste and Odor Compound Removal by Powdered Activated Carbon. The goal of this research is to develop guidance for using powdered activated carbon (PAC) to effectively remove toxic contaminants, such as microcystin, as well as other nuisance T&O compounds produced during algal blooms. The outcome of this research will provide guidance on adjusting treatment conditions should bloom conditions change and new compounds appear.

## Ohio State University

was awarded a \$71,791 grant for the project titled Impacts of Specific UV Wavelengths on Antibiotic Resistant Bacteria and their Genes during Wastewater Treatment. The impacts to antibiotic resistant bacteria (ARB) and antibiotic resistant genes (ARG) for two UV wavelengths will be compared using Ohio wastewater. By understanding how different wavelengths of UV impact overall microbial communities including ARB and their ARG at different levels, the next step of optimizing UV disinfection strategies can be better understood.

## Ohio State University

was awarded a \$200,000 grant for the project

titled Investigating Ultrasound as a Technology for Treatment of Per- and Polyfluoroalkyl Substances (PFAS). This research will provide insight into the known issues with PFAS removal technologies as they relate to breakthrough of ultra-short and short-chain PFAS and treatment of concentrated waste streams. These types of PFAS remain a potential threat to human health and present a possible treatment need in the future. Effective technologies must be made able to withstand future additional or lower PFAS action levels mandated by state and federal governments.

**OHIO**  
UNIVERSITY

## Ohio University

was awarded a \$200,000 grant for the project titled Assessing the Potential of Ohio Wastewater Treatment Plants as Resource Recovery Systems. This lab-scale research will develop metrics for Ohio WWTPs based on nutrient and metal content of biosolids, evaluate the utility of pipe deposits as fertilizer, and evaluate downstream effects of recycle stream composition based on mass balances. This research will help to develop techniques for meeting disposal limits by controlling and treating recycling streams before they lead to negative downstream effects.

## City of Wapakoneta

was awarded a \$163,331 grant for the project titled Investigation into the Conversion of WWTP and WTP Waste Streams into Beneficial Reuse Potential. This research will focus on investigation into the potential beneficial treatment of several key waste streams impacting WTPs and WWTPs, using an innovative non-catalytic reforming process developed by Sovereign Energy Solutions. This process will convert TDS and lime sludge into a concentrated syngas that can be further reformed to beneficial gases such as natural gas, CO<sub>3</sub> or H<sub>2</sub>.



## UN-SEWERED AREA ASSISTANCE FUND

During 2022, the Authority awarded \$750,000 in grant funds from the Un-Sewered Area Assistance (USAA) Fund for 3 projects that will provide sewers to small and disadvantaged communities in Ohio. Developed in 2013 to address the dramatic financial need of small un-sewered areas, the USAA program provides additional financial assistance to communities undertaking the construction of new sewage treatment projects that had received funding from multiple agencies, yet are still unaffordable.

To be eligible, communities must have documented failing individual septic systems and a median household income (MHI) below the State’s average MHI. In 2022, the following local governments were awarded funds from this program to construct gravity sewers and wastewater treatment facilities to replace 981 failing septic systems;

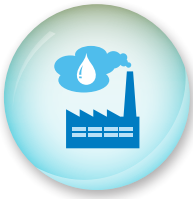
LOCAL GOVERNMENT	COUNTY	FAILING SEPTIC SYSTEMS	AMOUNT
Bainbridge	Ross	475	\$250,000
Harrison County	Harrison	168	\$250,000
Wayne Lakes	Darke	338	\$250,000



## SOLID WASTE LOAN FUND

The Authority created the Solid Waste Loan Program in 1990 to provide financial assistance for the acquisition and construction of solid waste facilities such as materials recovery facilities, compost facilities, transfer stations, landfills, and incinerators. In 2022, the Authority awarded two solid waste loans.

BORROWER	PROJECT	AMOUNT
Medina County	Installation of two truck scales at the County’s solid waste transfer station in Seville, Ohio to replace two scales that have exceeded their useful life.	\$329,348
Medina County	Construction of a new scalehouse and scales for processing residential solid waste. This will allow the current scales to be dedicated to commercial solid waste improving efficiency and reducing traffic.	\$3,064,288



## BROWNFIELD LOAN PROGRAM

The Authority along with the State of Ohio Department of Development created the Brownfield Loan Program in 1995 to provide financial assistance for the undertaking of any “voluntary action” and thereby providing funding for the cleanup of contaminated property. In 2022, the Authority approved three brownfield loans.

BORROWER	PROJECT	AMOUNT
CCA Union Central LLC	Asbestos remediation of Union Central Tower located in downtown Cincinnati.	\$2,750,000
Peninsula MFH Owner LLC	Soil remediation of a former steel foundry site located at 1951 Carter Road in the Flats neighborhood of downtown Cleveland. The site will be redeveloped into two 5-story apartment buildings, 3 townhome buildings, and a parking garage.	\$5,000,000
Skyline Cleveland Renaissance LLC	Asbestos remediation of the Renaissance Hotel located at 24 Public Square in downtown Cleveland.	\$2,000,000



## DAM SAFETY LOAN PROGRAM

The Authority created the Dam Safety Loan Program to provide financing to borrowers for planning, design and construction of dam improvements and repairs as required by the Ohio Department of Natural Resources. Eligible project costs include the preparation of emergency action plans, operation maintenance and inspection manuals, planning, engineering, construction, land and easement acquisition, and legal and inspection fees. In 2022, the Authority approved one dam safety loan,

BORROWER	PROJECT	AMOUNT
Miami Conservancy District	Construction of improvements to the Lockington Dam principal spillway in Shelby County, including installation of a drainage system, concrete repairs, and installation of rock anchors to address aging infrastructure.	\$4,179,680

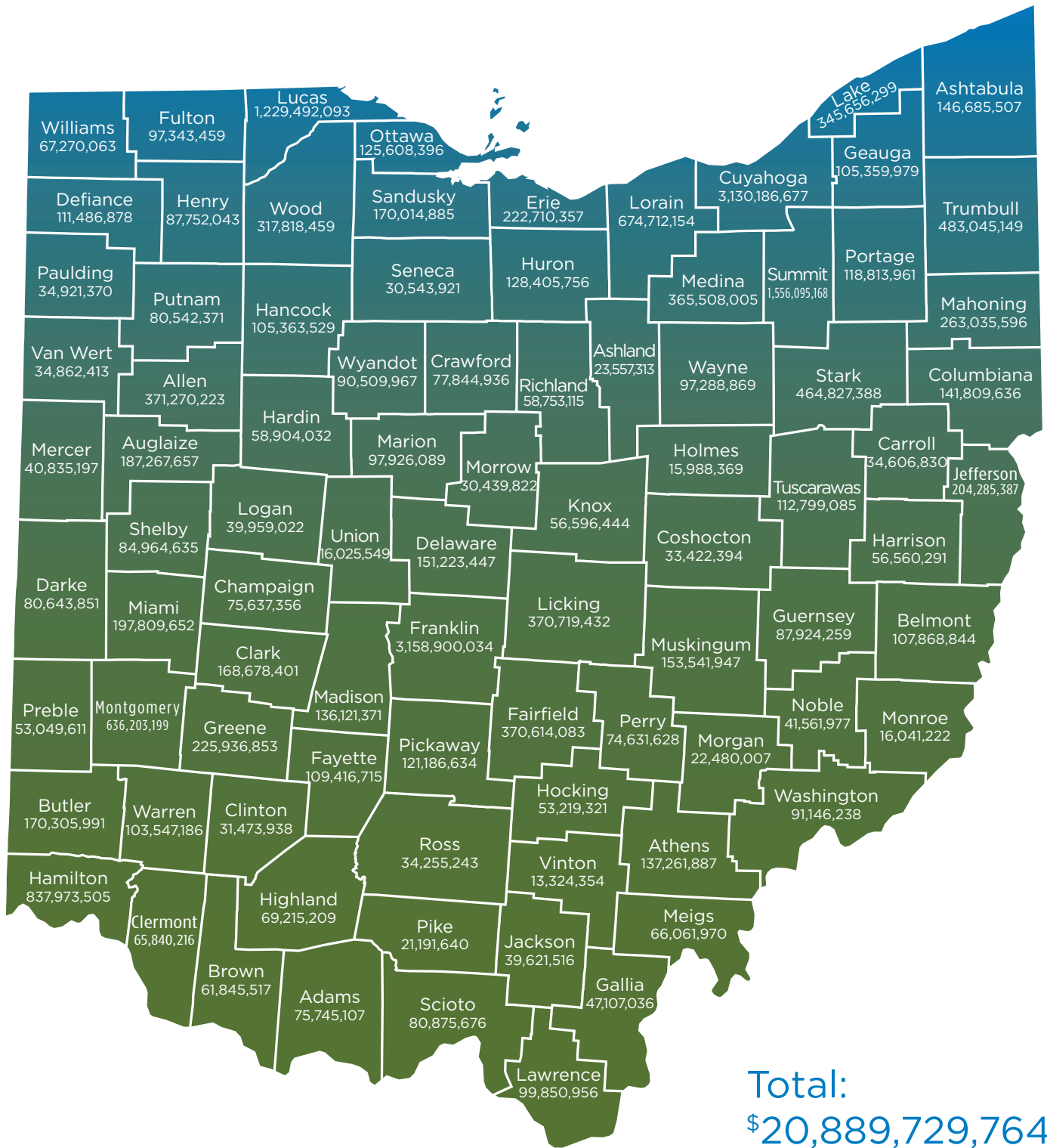


## RURAL DEVELOPMENT LOAN ADVANCE PROGRAM

During 1996, the Authority created the Rural Development Loan Advance Program to provide interim financing to borrowers for acquiring or constructing drinking water supply, water distribution, sewage collection or treatment facilities that use permanent financing from the United States Department of Agriculture (USDA). Once a borrower has a funding commitment letter from USDA, then they can apply for an interim construction loan with the Authority. In 2022, the Authority approved two Rural Development Loan Advance project.

BORROWER	PROJECT	AMOUNT
Gnadenhutten	Construction of headworks improvements at the WWTP, including new screening, grit removal, flow metering, and flow equalization that is designed for a membrane treatment facility.	\$1,483,509
Rio Grande	Construction of WWTP improvements, including a new headworks, lift station improvements, and a new generator, as well as, rehabilitation of 8,000 feet of sanitary sewers to reduce inflow and infiltration.	\$1,114,000

# LOAN HISTORY BY COUNTY



Total:  
\$20,889,729,764

# SUMMARY OF LOANS

	2022		2021		
	#	AMOUNT	#	AMOUNT	% OF '21
<b>PLANNING</b>					
Water	31	13,548,419	43	14,010,992	97%
Sewer	47	37,202,969	45	39,008,157	95%
<b>PLANNING TOTAL</b>	<b>78</b>	<b>50,751,388</b>	<b>88</b>	<b>53,019,149</b>	<b>96%</b>
<b>CONSTRUCTION</b>					
Water	119	436,970,576	108	258,585,381	169%
Sewer	160	851,054,635	166	609,437,449	140%
Brownfield	3	9,750,000	2	5,066,050	192%
Dam Safety	1	4,179,680	0	0	
Local Economic Development	0	0	1	3,325,210	
RD Loan Advance	2	2,597,509	1	3,039,604	85%
Solid Waste	2	3,393,636	2	5,297,103	64%
Unsewered Area	3	750,000	5	3,500,000	21%
<b>CONSTRUCTION TOTAL</b>	<b>290</b>	<b>1,308,696,037</b>	<b>285</b>	<b>888,250,797</b>	<b>147%</b>
<b>REFINANCED</b>					
Water	17	22,219,482	11	52,947,853	
Sewer	38	39,500,956	37	60,006,190	
<b>REFINANCED TOTAL</b>	<b>55</b>	<b>61,720,438</b>	<b>48</b>	<b>112,954,043</b>	
<b>TOTAL</b>	<b>423</b>	<b>\$1,421,167,862</b>	<b>421</b>	<b>\$1,054,223,989</b>	<b>135%</b>



Department of  
Development

## Ohio Department of Development

The Ohio Department of Development provides assistance in loan application review and development of program guidelines for three loan programs, the Brownfield Loan Program, the Local Economic Loan Program, and the Onsite Stormwater Program. Since 1995, OWDA has funded 93 projects for \$280 million in these three programs.



**BROWNFIELD**



**LOCAL ECONOMIC  
DEVELOPMENT**



**ONSITE  
STORMWATER**

These projects provided financing for water and sewer projects, cleanup of contaminated sites, and stormwater pollution reduction.

## OWDA'S PARTNERS



### Ohio Environmental Protection Agency

Since 1989, OWDA has administered the Water Pollution Control Loan Fund with OEPA; and since 1998 the Drinking Water Assistance Fund. Through these programs, OEPA offers principal forgiveness and 0% interest rates to communities who promote regionalization, correct combined sewer overflows, implement nutrient reduction, replace lead service lines, and who are disadvantaged.



### USDA Rural Development

Since 1996, OWDA has provided short-term financing for the construction of water and sewer facilities that will receive long-term financing from the United States Department of Agriculture. OWDA has funded 43 water projects totaling \$80 M.

# WATER PLANNING

RECIPIENT	COUNTY	AMOUNT
Bowerston	Harrison	793,947
Brilliant Water & Sewer District	Jefferson	402,045
Caldwell	Noble	105,911
Canton	Stark	441,741
Del-Co Water Company	Delaware	278,712
Delphos	Allen	77,600
Elmore	Ottawa	94,413
Fairport Harbor	Lake	50,400
Fayette	Fulton	679,068
Glenmont	Holmes	350,367
Hopedale	Harrison	155,066
Jackson County Water Co., Inc.	Jackson	799,000
Lisbon	Columbiana	260,910
Lockland	Hamilton	364,371

RECIPIENT	COUNTY	AMOUNT
London	Madison	557,014
Lorain	Lorain	4,307,375
Malvern	Carroll	250,875
Marblehead	Ottawa	521,142
Marietta	Washington	510,581
Monroeville	Huron	28,682
Mount Sterling	Madison	93,556
Nelsonville	Athens	314,055
Nevada	Wyandot	91,215
Piketon	Pike	861,677
Portage County	Portage	585,378
South Point	Lawrence	86,401
Toronto	Jefferson	397,303
Woodville	Sandusky	89,614
<b>TOTAL</b>		<b>13,548,419</b>

# SEWER PLANNING

RECIPIENT	COUNTY	AMOUNT
Adelphi	Ross	15,400
Akron	Summit	12,352,378
Athens County	Athens	47,900
Beach City	Stark	50,400
Canal Winchester	Fairfield	269,000
Canfield	Mahoning	304,022
Carroll	Fairfield	90,200
Circleville	Pickaway	273,847
Covington	Miami	643,125
Dayton	Montgomery	146,500
Delphos	Allen	52,100
Elida	Allen	570,911
Fayette County	Fayette	470,000
Franklin County	Franklin	669,955
Geneva-on-the-Lake	Ashtabula	227,075
Greenwich	Huron	170,500
Harrison County	Harrison	40,440
Lakemore	Summit	84,400
Manchester	Adams	188,760
Matamoras	Washington	52,500

RECIPIENT	COUNTY	AMOUNT
Medina County	Medina	1,199,183
Middletown	Butler	2,634,906
Miller City	Putnam	230,000
New Madison	Darke	176,000
New Straitsville	Perry	131,420
New Waterford	Columbiana	451,575
Newark	Licking	1,475,844
North Royalton	Cuyahoga	2,717,876
Portage County	Portage	396,900
Rittman	Wayne	691,793
Rocky River	Cuyahoga	1,969,497
Smithville	Wayne	194,140
Spencer	Medina	103,000
Steubenville	Jefferson	365,250
Summit County	Summit	1,336,511
Toronto	Jefferson	283,762
Tri-Cities North Regional Wastewater Authority	Montgomery	913,185
Trimble Township Wastewater Treatment District	Athens	20,400
Warren	Trumbull	4,837,314
West Lafayette	Coshocton	355,000
<b>TOTAL</b>		<b>37,202,969</b>

# WATER CONSTRUCTION

RECIPIENT	COUNTY	AMOUNT
Akron	Summit	9,447,698
Allen Water District	Allen	756,938
Alliance	Stark	1,000,000
Avon Lake	Lorain	7,078,013
Ayersville Water & Sewer District	Defiance	243,406
Barnesville	Belmont	1,034,166
Bellaire	Belmont	1,000,000
Brewster	Stark	167,183
Canfield	Mahoning	540,593
Canton	Stark	46,930,949
Cincinnati	Hamilton	1,144,879
Circleville	Pickaway	118,400
Cleveland	Cuyahoga	11,984,638
Columbus	Franklin	78,785,507
Coshocton	Coshocton	2,426,463
Crestline	Crawford	238,244
Del-Co Water Company	Delaware	6,124,871
Delphos	Allen	2,259,079
Edgerton	Williams	263,510
Fairfield	Butler	11,468,098
Fayette County	Fayette	1,313,397
Franklin	Warren	2,614,827
Gallia County Rural Water Association	Gallia	7,467,347
Germantown	Montgomery	1,750,000
Granville	Licking	843,575
Greene County	Greene	58,975,026
Greenville	Darke	114,000
Hamler	Henry	1,866,167
Hayesville	Ashland	391,701
Highland Ridge Water Association	Washington	396,965
Hillsboro	Highland	2,166,305
Hiram	Portage	477,068
Hubbard	Trumbull	509,204
Lancaster	Fairfield	98,189,198
Le-Ax Regional Water District	Athens	861,141
Lockland	Hamilton	230,604
Lodi	Medina	1,759,800
Logan	Hocking	1,000,000
Lorain	Lorain	8,192,665
Madeira	Hamilton	1,038,572
Madison County	Madison	13,794,769
Malvern	Carroll	1,269,866

RECIPIENT	COUNTY	AMOUNT
Manchester	Adams	563,766
Marietta	Washington	1,458,270
Millersport	Fairfield	1,485,129
Montgomery County	Montgomery	4,254,395
Munroe Falls	Summit	889,038
Nelsonville	Athens	207,140
New London	Huron	424,724
Noble Water Company	Noble	167,671
Northwest Regional Water District	Adams	214,160
Northwestern Water & Sewer District	Wood	4,323,381
Norwood	Hamilton	667,288
Oak Harbor	Ottawa	390,241
Old Straitsville Water Association	Hocking	97,144
Ottawa	Putnam	861,475
Payne	Paulding	66,038
Pemberville	Wood	223,304
Put-in-Bay	Ottawa	505,800
Rittman	Wayne	1,070,423
Rockford	Mercer	559,339
Roseville	Muskingum	155,033
Sandusky	Erie	4,775,348
Scio	Harrison	251,965
Sebring	Mahoning	500,000
Sheffield Lake	Lorain	175,613
Silver Lake	Summit	1,670,738
South Point	Lawrence	1,861,832
South Vienna	Clark	412,738
Southwest Licking Community W & S District	Licking	7,103,044
Spring Valley	Greene	251,075
Springfield	Clark	1,045,000
St. Clairsville	Belmont	4,717,823
Swanton	Fulton	1,904,275
Toledo	Lucas	410,000
Upper Sandusky	Wyandot	1,118,170
Wadsworth	Medina	1,670,665
Warsaw	Coshocton	51,965
Wellston	Jackson	1,047,946
West Milton	Miami	81,865
Willard	Huron	999,274
Wilmington	Clinton	80,928
Wyoming	Hamilton	21,721
<b>TOTAL</b>		<b>436,970,576</b>



# SEWER CONSTRUCTION

RECIPIENT	COUNTY	AMOUNT
Akron	Summit	24,213,945
Allen County	Allen	150,000
Ashland County Health Department	Ashland	150,000
Ashtabula County	Ashtabula	774,202
Athens County	Athens	7,247,500
Bainbridge	Ross	10,888,458
Belmont County	Belmont	150,000
Brown County Health Department	Brown	150,000
Butler County	Butler	150,000
Canton	Stark	6,335,276
Carroll County	Carroll	150,000
Cincinnati	Hamilton	150,000
Circleville	Pickaway	42,459,760
Clark County	Clark	150,000
Clermont County General Health District	Clermont	150,000
Coalton	Jackson	1,444,649
Columbiana County	Columbiana	5,871,071
Columbiana County Health Department	Columbiana	150,000
Columbus	Franklin	34,475,583
Columbus Public Health	Franklin	150,000
Coshocton County	Coshocton	100,000
Crawford County General Health District	Crawford	150,000
Cuyahoga County Board of Health	Cuyahoga	150,000
Danville	Knox	96,361
Darke County General Health District	Darke	150,000
Defiance County General Health District	Defiance	150,000
Delaware County	Delaware	37,022,147
Eastlake	Lake	3,105,474
Elyria	Lorain	27,468,236
Erie County Health Department	Erie	150,000
Euclid	Cuyahoga	544,793
Fairfield County Department of Health	Fairfield	150,000
Fayette County Soil & Water Conservation District	Fayette	150,000
Franklin County	Franklin	511,708
Franklin County Public Health	Franklin	150,000
Fulton County Health Department	Fulton	150,000

RECIPIENT	COUNTY	AMOUNT
Gallia County	Gallia	150,000
Geauga County Health District	Geauga	150,000
Grafton	Lorain	1,418,293
Greene County	Greene	6,125,726
Greenwich	Huron	2,830,747
Hamilton County	Hamilton	150,000
Hancock County	Hancock	150,000
Hardin County	Hardin	100,000
Harrison County	Harrison	5,696,164
Harrison County General Health District	Harrison	150,000
Henry County	Henry	150,000
Highland County General Health District	Highland	150,000
Hillsboro	Highland	1,782,607
Hocking County	Hocking	150,000
Holmes County	Holmes	150,000
Huron County	Huron	150,000
Jackson Center	Shelby	1,102,500
Jackson County Health Department	Jackson	150,000
Jefferson	Ashtabula	220,000
Jefferson County	Jefferson	1,698,718
Knox County	Knox	150,000
Lake County General Health District	Lake	150,000
Lancaster	Fairfield	39,356,680
Lawrence County Health Department	Lawrence	150,000
Lebanon	Warren	9,433,687
Licking County Health Department	Licking	150,000
Lima	Allen	6,823,800
Lodi	Medina	526,338
Logan County Health District	Logan	150,000
Lorain County Public Health	Lorain	150,000
Lorain County Rural Wastewater District	Lorain	586,013
Madison	Lake	13,469,539
Madison County-London City Health District	Madison	150,000
Mahoning County	Mahoning	1,517,838
Mahoning County District Board of Health	Mahoning	150,000
Marion County Public Health	Marion	150,000
Medina County	Medina	150,000

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# SEWER CONSTRUCTION

RECIPIENT	COUNTY	AMOUNT
Meigs County General Health Department	Meigs	150,000
Miami County Public Health	Miami	150,000
Miamisburg	Montgomery	569,014
Monroe County	Monroe	150,000
Montgomery County	Montgomery	88,429,838
Morgan County	Morgan	150,000
Muskingum County	Muskingum	150,000
Muskingum Watershed Conservancy District	Tuscarawas	200,000
Napoleon	Henry	3,288,123
Nelsonville	Athens	3,698,499
New Waterford	Columbiana	206,597
Northeast Ohio Regional Sewer District	Cuyahoga	281,555,400
Northwestern Water & Sewer District	Wood	11,944,441
Olmsted Falls	Cuyahoga	6,279,818
Oregon	Lucas	6,236,134
Ottawa County Health Department	Ottawa	150,000
Paulding County Health Department	Paulding	150,000
Pickaway County General Health District	Pickaway	150,000
Pike County General Health District	Pike	150,000
Portage County Combined General Health District	Portage	150,000
Powhatan Point	Belmont	2,049,697
Putnam County Health Department	Putnam	150,000
Richland County Public Health	Richland	150,000
Ridgeville Twp Water & Sewer District	Henry	621,078
Ross County	Ross	150,000
Sandusky County Health Department	Sandusky	150,000
Scioto County	Scioto	150,000
Seneca County General Health District	Seneca	150,000

RECIPIENT	COUNTY	AMOUNT
South Charleston	Clark	145,171
Springfield	Clark	1,073,745
St. Marys	Auglaize	7,803,500
Stark County Health Department	Stark	150,000
Steubenville	Jefferson	2,109,498
Struthers	Mahoning	55,779
Summit County	Summit	150,000
Sylvania	Lucas	791,950
Toledo-Lucas County Health Department	Lucas	150,000
Troy	Miami	12,882,360
Trumbull County	Trumbull	2,368,229
Tuscarawas County Health Department	Tuscarawas	150,000
Union County Health Department	Union	150,000
Urbana	Champaign	79,018
Vinton County	Vinton	125,000
Wapakoneta	Auglaize	82,723,871
Warren County Combined Health District	Warren	150,000
Warsaw	Coshocton	195,381
Washington County	Washington	3,000,000
Washington County Health Department	Washington	150,000
Wayne County Health Department	Wayne	150,000
Wayne Lakes	Darke	9,669,868
Wellington	Lorain	380,439
West Union	Adams	4,500,000
Williams County Health Department	Williams	150,000
Willoughby	Lake	5,165,193
Wintersville	Jefferson	1,391,963
Wood County Health District	Wood	150,000
Wyandot County General Health District	Wyandot	150,000
Zanesville	Muskingum	6,067,219
<b>TOTAL</b>		<b>851,054,635</b>

## BOARD OF DIRECTORS

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**Anne Vogel**  
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**Michael Fraizer**  
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**Mindy Bankey**  
Designee

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Administrative Manager

**Cynthia Jones**  
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RBC Global Asset  
Management  
Public Trust Advisors  
Wells Capital  
Management

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Ohio Water  
Development Authority

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Ohio Water  
Development Authority

# 2022 ANNUAL REPORT