

2023 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



Onsite Stormwater



Brownfield



Research & Development



Rural Development

2023 BY THE NUMBERS



Rising interest rates thru the year



3.74%
lowest 20-year Fresh Water interest rate in March 2023

4.68%
highest 20-year Fresh Water interest rate in December 2023



271
septic systems replaced with Un-sewered Area Assistance Fund



190
Research and Development grants awarded since 1985

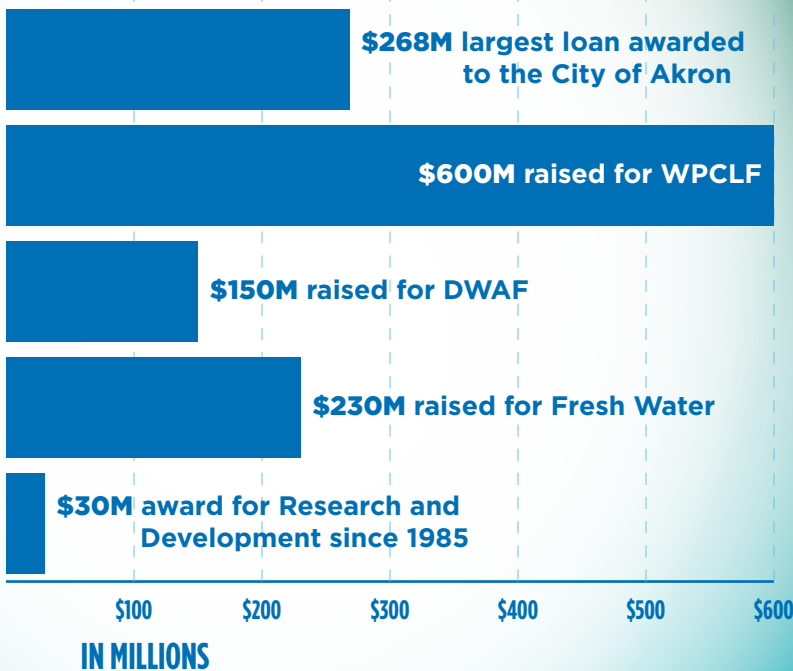


6
Research and Development grants awarded in 2023

Projects awarded in 86 of the 88 counties



\$1.8B AWARDED IN 2023, 27% INCREASE FROM 2022

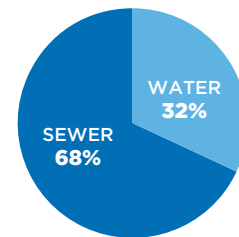


\$22.7 BILLION AWARDED FUNDING SINCE 1968



\$863,000
awarded for Research and Development in 2023

Dollars Awarded



Types of Loans



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

2023 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 2023, the Authority completed seven bond issuances to raise funds for the Drinking Water Assistance Fund, the Fresh Water Loan Program, and the Water Pollution Control Loan Fund.

All issuances received Aaa ratings from Moody's Investor Service and AAA ratings from S&P Global Ratings and raised over \$1.3 billion. 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.



Water Pollution Control Loan Fund

\$336,800,000

WPCLF Series 2023A Refunding

April 26, 2023

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

Senior Manager - Ramirez and Company

Co-Senior Manager - Jefferies

Co-Managers - JP Morgan, San Blas Securities, and TD Securities

True Interest Cost: 2.64%

Highlights of the transaction

- Collapse of the Water Quality Indenture enabling the release of the \$36.2 million debt service reserve
- Net PV savings of \$7.3 million
- Created structuring flexibility for future new money transactions



Water Pollution Control Loan Fund

\$300,000,000

WPCLF Series 2023B (Green Bonds)

June 8, 2023

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

Senior Manager - BofA Securities

Co-Senior Manager - Stifel, Nicolaus & Company

Co-Managers - Academy Securities, Huntington Capital Markets, Morgan Stanley, and Wells Fargo Securities

External Reviewer - Kestrel Verifiers

True Interest Cost: 3.644%

Highlights of the transaction

- Bonds were well-received and attracted over \$787 million in orders
- Over 40 investors submitted orders, including 27 investors who were not publicly reported holders of WPCLF bonds.



Fresh Water Loan Program

\$130,500,000

Fresh Water 2023 Commercial Paper

August 9, 2023

P-1 (Moody's Investors Service)

A-1+ (S&P Global Ratings)

Dealer - JP Morgan

Liquidity Provider - TD Bank, N.A.

Initial Interest Cost: 3.45% to 3.60%

Highlights of the transaction

- Retired \$61.6 million of outstanding notes with a higher interest rate
- Provided \$30.5 million of interim funding for refinance loans
- Raised \$38.4 million of project funds



Drinking Water Assistance Fund

\$150,000,000

**DWAF Series 2023A
(Sustainability Bonds)**

September 14, 2023

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

Senior Manager – Jefferies

Co-Senior Manager – Goldman Sachs

Co-Managers – JP Morgan, PNC Capital Markets,
and Robert W. Baird & Co.

External Reviewer – Kestrel Verifiers

True Interest Cost: 3.276%

Highlights of the transaction

- The order period generated \$300.6 million
- 5 new investors to the DWAF credit
- ESG investors placed \$102 million in priority orders driven by the Sustainability Bonds designation



Fresh Water Loan Program

\$100,000,000

Fresh Water Series 2023A

October 17, 2023

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

Senior Manager – Loop Capital Markets

Joint Senior Manager – Stifel,

Nicolaus & Company

Co-Managers – Huntington Securities, UBS
Financial Services

True Interest Cost: 4.367%

Highlights of the transaction

- The order period generated \$760 million
- 18 new investors to the Fresh Water credit and 9 new investors to OWDA overall



Water Pollution Control Loan Fund

\$300,000,000

WPCLF Series 2023C (Green Bonds)

November 28, 2023

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

Senior Manager – Citigroup

Co-Senior Manager – Huntington Capital Markets

Co-Managers – Cabrera Capital Markets, Piper
Sandler, Stifel, Nicolaus and Company, and TD
Securities

External Reviewer – Kestrel Verifiers

True Interest Cost: 3.063%

Highlights of the transaction

- Order period generated \$2.8 billion
- \$1.3 billion of orders were from parent investors with known ESG mandates
- 36 new investors to the WPCLF credit
- Pricing accelerated due to positive tone in the market



Fresh Water Loan Program

\$38,665,000

Fresh Water Series 2023B Refunding

December 7, 2023

Aaa (Moody's Investors Service)

AAA (S&P Global Ratings)

Senior Manager – Loop Capital Markets

Joint Senior Manager – Stifel,

Nicolaus & Company

Co-Manager – Huntington Capital Markets

True Interest Cost: 2.812%

Highlights of the transaction

- \$177 million of Series 2016AB Bonds were put out for tender, OWDA received 24% participation
- Net PV savings of \$4.9 million
- Order period generated \$199 million



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 2023, the Authority awarded loans totaling \$204,339,361; consisting of 35 water construction loans for \$39,782,170; 16 sewer construction loans for \$125,121,376; 11 water planning and design loans for \$13,547,056; and 13 sewer planning and design loans for \$25,888,759.

As of December 31, 2023, OWDA has financed planning, construction, and refinance projects to 597 communities through the Fresh Water Loan Program. The City of Columbus, Medina County, City of Sandusky, Southwest Licking Community Water and Sewer District, and the City of Toledo are the five largest borrowers in the Fresh Water Loan Program.

The Authority awarded significant Fresh Water construction loans in 2023 to the following borrowers:

BORROWER	PROJECT	AMOUNT
Southwest Licking Community Water and Sewer District	Wagram Wastewater Treatment Center	\$85,297,500
Village of Commercial Point	Wastewater Treatment Plant Improvements	\$9,999,878

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 9 Community Assistance projects totaling \$4,287,167 in 2023. These projects provided funding for a water booster station, water storage tanks, water meters, water lines, and improvements to wastewater treatment facilities.



Refinance

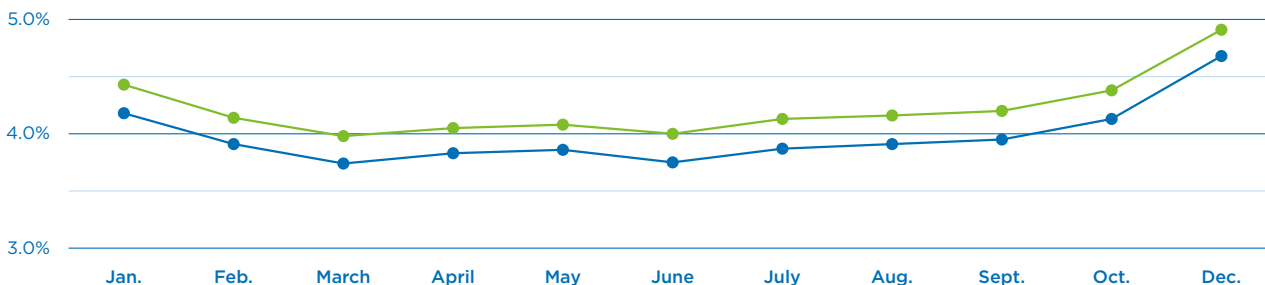
During 2022, the Authority approved and funded 2 loans totaling \$30,436,922 to one borrower. The interest rate is determined based on the weighted average maturity of the debt to be refinanced. Since the inception of the program in 2021, 61 borrowers have saved \$49 million.

SIGNIFICANT FRESH WATER REFINANCE LOANS

BORROWER	PROJECT	AMOUNT
City of Toledo	Refinance of Water Revenue Bonds Series 2012A	\$26,536,212
City of Toledo	Refinance of Sewer Revenue Bonds Series 2013	\$3,900,710

2023 INTEREST RATES

2023 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 2023, the Water Pollution Control Loan Fund (WPCLF) awarded 156 construction projects totaling \$1,011,475,687 and 60 planning and design projects totaling \$43,248,528.

Since the beginning of the program, OWDA has funded projects to 618 communities. The City of Akron, City of Columbus, Hamilton County, Northeast Ohio Regional Sewer District and the City of Toledo are the five largest borrowers in the WPCLF Loan Program.

The Authority awarded significant WPCLF loans in 2023 to the following borrowers:

SIGNIFICANT WPCLF PROJECTS

BORROWER	PROJECT	AMOUNT
City of Akron	Northside Interceptor Tunnel	\$268,891,749
City of Chillicothe	Wastewater Treatment Plant Improvements	\$57,322,500

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 2023, the WPCLF funded 12 WRRSP projects totaling \$26,626,616 to five communities: City of Akron, City of Chillicothe, City of Covington, Hamilton County, and the City of Sandusky.



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 2023, the Drinking Water Assistance Fund (DWAF) awarded 117 construction loans totaling \$453,813,670 and 46 planning and design loans for \$52,405,583.

Since the beginning of the program, OWDA has funded projects to 393 communities. The City of Akron, City of Cincinnati, City of Cleveland, City of Columbus and the City of Lancaster are the five 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 Marietta	Water Treatment Plant Replacement	\$45,967,474
City of Columbus	Solids Handling at Dublin Road WTP and Hap Cremean WTP	\$45,607,500

The federal Bipartisan Infrastructure Law (BIL) includes \$15 billion investment nationwide for lead service line replacement through the drinking water state revolving fund programs over a five-year period (2022-2026). As of December 31, 2023, the Authority has received \$218 million for lead service line replacement. The BIL allows up to 49% of the funding to be awarded as forgivable loan through principal forgiveness (PF). Through the DWAF program as of December 31, 2023, the Authority has awarded \$68,038,675 in loans and PF to 26 borrowers for 46 projects.



RESEARCH & DEVELOPMENT GRANT PROGRAM

The Authority awarded six project grants totaling \$863,406 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 190 grants totaling \$30 million.

The 2023 grants awarded cover a number of water-related topics:



US Geological Services

was awarded \$105,918 for the project titled Predictive Model Validation and Integration of Cyanobacteria Assessment Network (CyAN) Derived Satellite Products to Estimate Nearshore, Toxic Cyanobacteria Bloom Accumulation in USGS Midcontinent Region Lakes and Reservoirs—Inland lakes in Ohio.

The limited scientific understanding of cyanobacterial harmful algal blooms (cyanoHABs) prevents prediction of blooms in lakes and reservoirs. Recreational and drinking water plant managers need tools to provide real-time estimates of cyanotoxin concentrations to aid in management decisions. The study will provide insight into the extent, frequency and severity of toxic cyanoHABs and measures useful in predicting their future occurrence and severity. This would allow more efficient sampling strategies that could lead to improved forecasts and real-time predictions of toxic cyanoHABs to help guide treatment processes for drinking water and swimming/recreation advisories for recreational water bodies.



University of Toledo

was awarded \$199,698 for the project titled Enhancing the Performance of Granular Activated Carbon Contactors for Contaminant Removal. Granular activated carbon (GAC) is a form of carbon that is highly effective in removing a wide range of contaminants from water, air, liquids and gases due to its exceptional adsorption capability. Recently, there has been a significant demand and price increase for GAC, due to supply chain issues and need for PFAS removal from drinking water (for which GAC is widely recognized as an effective treatment). This research aims to develop optimized methods for monitoring and controlling biofilm formation, to reduce operational costs for GAC contactors. These results can then be applied to support numerous small drinking water treatment plants across Ohio that rely on GAC contactors for removal of various contaminants.



Hamilton County Conservation District

was awarded \$42,854 for the project titled Assessing the Role of Underlying Sanitary Infrastructure in Drying of Hydrologically Sensitive Headwaters (HSH). According to the Midwest Biodiversity Institute (MBI), baseflow impacts are the most widespread cause of biological impairment in Hamilton County. These baseflow impacts include streams completely or partially drying when they would not have in a predevelopment context. These impairments disproportionately impact smaller headwaters that have less flow coming from upstream to overcome local surface water losses. One potential driver of stream drying is surface water draining or local water table lowering by



RESEARCH & DEVELOPMENT GRANT PROGRAM

underlying sanitary infrastructure (USI). Additionally, investigation of how graveled trenches within which underground pipe networks are installed may play a role in reducing local water table elevations. The proposed study would demonstrate the efficacy of a methods to assess potential contributions of USI to HSH drying using low-cost hand-installed piezometers instrumented with water level loggers. The research will also identify candidate USI sites to serve as locations to test potential mitigation strategies in the future.



THE OHIO STATE UNIVERSITY

The Ohio State University

was awarded \$199,914 for the project titled Transforming Traditional Bioretention Cells into Smart Stormwater Infrastructure through Real Time Controls. For centuries, urban drainage systems have been used in cities to prevent flooding and mitigate public health impacts of stormwater. Cities increasingly complement traditional grey stormwater control methods with green infrastructure measures, such as bioretention cells, to provide drainage and removal of anthropogenic pollutants. Bioretention cells are engineered, vegetated filters which rely on natural processes to manage the quantity and quality of stormwater. This is effective in mitigation of urban runoff at its source. Real time control (RTC) technologies represent an opportunity to transform green initiative stormwater control measures from passive treatment into smart stormwater infrastructure. Results from this research will serve as a demonstration for communities interested in implanting low-cost sensor networks to enhance stormwater treatment and mitigate potential impacts to downstream receiving waters. These options can be a cost-effective solution without the need for intrusive and expensive efforts to upsize sewer network capacities.

The Ohio State University

was awarded \$115,069 for the project titled Recycling Water Treatment Residuals to Improve

Water Quality Endpoints. Alum sludge is a significant solid waste product of drinking water treatment that is an increasing challenge for utilities to manage. Beneficial reuse options exist for alum sludge, but more is generated than can be accommodated in such applications. This research seeks to advance the understanding of alum sludge amended coagulation so that it can be applied in real practice, specifically with concerns to PFAS uptake and release by the sludge. Results will also quantify the technical and economic feasibility of alum sludge amended coagulation to determine if it is a viable and competitive treatment option for organic contaminants.

The Ohio State University

was awarded \$199,953 for the project titled Field Validation of Stormwater Control Measures for Volume, Sediment, and Nutrient Load Reduction to Ohio Receiving Waters. Ohio EPA and other decision makers are interested in crediting stormwater controls for pollutant removal. Data is needed related to stormwater control measure (SCM) performance, so that regulators may properly credit the measures. Little data exists on SCM nutrient removal in the climatic conditions found in Ohio. This proposed research will leverage existing relationships and SCMs to build an amalgamation of SCM monitoring projects to fill the large gaps in the data that must be relied on in light of a potential TMDL implementation in northwest Ohio. This research represents the first opportunity to monitor these SCMs and provides critical data to inform state government policy decisions. The data will demonstrate the performance of six commonly used SCMs and will plug critical holes to allow for appropriate crediting of SCMs for nutrient removal in Ohio.



UN-SEWERED AREA ASSISTANCE FUND

During 2023, the Authority awarded \$1,500,000 in grant funds from the Un-Sewered Area Assistance (USAA) Fund for three 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 2023, the following local governments were awarded funds from this program to construct gravity sewers and wastewater treatment facilities to replace 271 failing septic systems;

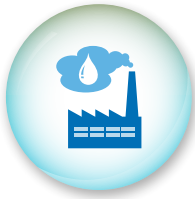
LOCAL GOVERNMENT	COUNTY	FAILING SEPTIC SYSTEMS	AMOUNT
Village of Gilboa	Putnam	95	\$500,000
Madison County	Madison	94	\$500,000
Ohio and Lee Township Water and Sewer Authority	Monroe	82	\$500,000



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 2023, the Authority awarded two solid waste loan.

BORROWER	PROJECT	AMOUNT
North Central Ohio Solid Waste District	Procurement of automated sorting equipment for the Union Recyclers facility located in Marysville to increase efficiency.	\$656,389
City of Shaker Heights	Construction of transfer station improvements, including structural, concrete, and roof repairs.	\$1,300,025



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 2023, the Authority approved two brownfield loans.

BORROWER	PROJECT	AMOUNT
Half Baked Holdings, LLC	Remediation of asbestos and contaminated soils at the former Kroger Bakery located at 457 Cleveland Avenue in Columbus for the development of a 9-acre mixed-use development.	\$1,037,995
Half Baked South, LLC	Remediation of asbestos at the former Ford Model-T production facility located at 427 Cleveland Avenue in Columbus for the development of a 9-acre mixed-use development.	\$555,566



ONSITE STORMWATER LOAN PROGRAM

The Authority created the Onsite Stormwater Loan Program in 2010 to provide financial assistance for stormwater management projects that focus on treating stormwater at its source to minimize, avoid, or offset impacts on water resources and reduce flow to sewers or surface water. In 2023, the Authority approved one onsite stormwater loan.

BORROWER	PROJECT	AMOUNT
Columbus-Franklin County Finance Authority	Construction of pervious pavers and rain gardens to control stormwater from the development of a 9-acre mixed-use development at the former Kroger Bakery site located at 427 and 457 Cleveland Avenue in Columbus.	\$3,900,000

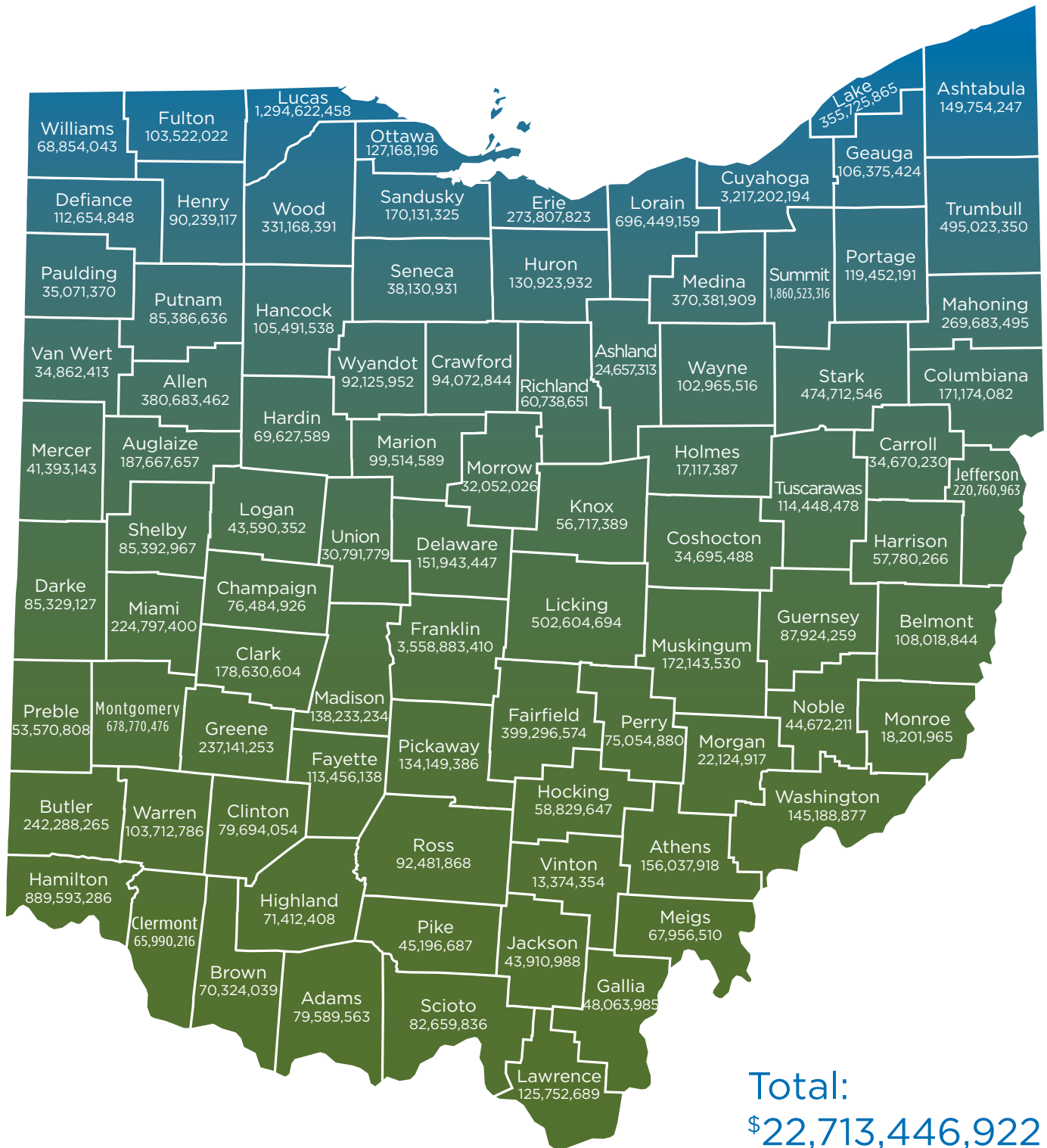


RURAL DEVELOPMENT LOAN ADVANCE PROGRAM

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 2023, the Authority approved four Rural Development Loan Advance project.

BORROWER	PROJECT	AMOUNT
Village of Cadiz	Construction of 43,800 feet of sanitary sewer and 3,600 feet of storm sewer, as well as rehabilitation of 22,000 feet of sanitary sewer using cured-in-place lining in the southern and central areas of the village to reduce inflow and infiltration.	\$852,975
Village of New Madison	Construction of WWTP and lift station improvements, including a new headworks, UV disinfection system upgrades, and pump and blower replacements, to expand treatment capacity to 0.147 MGD, and allow for treatment of wastewater from the Village of Wayne Lakes.	\$1,103,850
Village of Russells Point	Construction of 17,000 feet of storm sewer throughout the Village to replace aging storm sewers.	\$1,814,328
Southwest Licking Community Water and Sewer District	Construction of a 750,000 gallon water storage tank and bulk filling station near SR 161 to increase capacity for anticipated growth.	\$3,295,360

LOAN HISTORY BY COUNTY



SUMMARY OF LOANS

	2023		2022		
	#	AMOUNT	#	AMOUNT	% OF '22
PLANNING					
Water	57	65,952,640	31	13,548,419	487%
Sewer	73	69,137,288	47	37,202,969	186%
PLANNING TOTAL	130	135,089,928	78	50,751,388	266%
CONSTRUCTION					
Water	152	493,595,841	119	436,970,576	113%
Sewer	172	1,136,597,064	160	851,054,635	134%
Dam Safety			1	4,179,680	0%
Brownfield	2	1,593,561	3	9,750,000	16%
Onsite Stormwater	1	3,900,000	0	0	
RD Loan Advance	4	7,066,513	2	2,597,509	272%
Solid Waste	2	1,956,414	2	3,393,636	58%
Unsewered Area	3	1,500,000	3	750,000	200%
CONSTRUCTION TOTAL	336	1,646,209,393	290	1,308,696,036	126%
REFINANCED					
Water	1	26,536,212	17	22,219,482	119%
Sewer	1	3,900,710	38	39,500,956	10%
REFINANCED TOTAL	2	30,436,922	55	61,720,438	49%
TOTAL	468	1,811,736,243	423	1,421,167,862	127%



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 96 projects for \$285 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 47 water projects totaling \$87 M.

WATER PLANNING

RECIPIENT	COUNTY	AMOUNT
Addyston	Hamilton	88,112
Ashtabula County	Ashtabula	174,000
Attica	Seneca	15,202
Bainbridge	Ross	150,525
Belpre	Washington	101,755
Bloomington	Fayette	254,034
Caldwell	Noble	1,183,306
Cincinnati	Hamilton	495,000
Coal Grove	Lawrence	141,140
Columbus	Franklin	34,221,022
Conneaut	Ashtabula	285,402
Coshocton	Coshocton	794,094
Danville	Knox	70,945
Dayton	Montgomery	6,470,184
Delphos	Allen	25,743
Dunkirk	Hardin	218,823
Elmore	Ottawa	27,871
Fairport Harbor	Lake	389,860
Fayette	Fulton	245,858
Fredericksburg	Wayne	105,400
Gallipolis	Gallia	806,949
Glendale	Hamilton	322,293
Granville	Licking	160,538
Hubbard	Trumbull	92,528
Johnstown	Licking	1,404,204
Lorain	Lorain	750,000
Lowell	Washington	107,040
Malvern	Carroll	13,400

RECIPIENT	COUNTY	AMOUNT
Manchester	Adams	196,872
Marietta	Washington	400,000
Miamisburg	Montgomery	824,452
Midvale	Tuscarawas	353,693
New Richmond	Clermont	50,000
Portsmouth	Scioto	515,000
Put-in-Bay	Ottawa	29,736
Scio	Harrison	79,000
Shiloh	Richland	181,163
Silver Lake	Summit	50,168
South Vienna	Clark	17,615
Toledo	Lucas	10,719,635
Trenton	Butler	342,056
Tuscarawas County	Tuscarawas	66,400
Warren County	Warren	15,600
Wellington	Lorain	53,044
Wellston	Jackson	1,219,554
West Carrollton	Montgomery	603,387
Wilmington	Clinton	1,053,597
Woodville	Sandusky	66,440
Toledo	Lucas	2,995,972
Trenton	Butler	342,056
Tuscarawas County	Tuscarawas	66,400
Warren County	Warren	15,600
Wellington	Lorain	53,044
Wellston	Jackson	1,219,554
West Carrollton	Montgomery	603,387
Wilmington	Clinton	1,053,597
Woodville	Sandusky	66,440
TOTAL		65,952,640

SEWER PLANNING

RECIPIENT	COUNTY	AMOUNT
Adelphi	Ross	103,600
Bay Village	Cuyahoga	651,118
Bedford	Cuyahoga	612,725
Bedford Heights	Cuyahoga	2,341,087
Brewster	Stark	107,355
Bryan	Williams	1,433,980
Buckeye Lake	Licking	171,240
Columbus	Franklin	22,065,218
Conneaut	Ashtabula	388,068
Coshocton	Coshocton	329,000
Dalton	Wayne	290,012
Delphos	Allen	74,400
Fairview Park	Cuyahoga	377,871
Fayette County	Fayette	930,000
Franklin County	Franklin	103,785
Geneva-on-the-Lake	Ashtabula	272,750
Greenville	Darke	905,649
Greenwich	Huron	349,200
Hamilton	Butler	1,043,700
Heath	Licking	655,500
Hocking County	Hocking	86,000
Ironton	Lawrence	693,969
Lakemore	Summit	52,250
Lisbon	Columbiana	95,900
Lorain	Lorain	1,900,000
Lowellville	Mahoning	95,000
Macksburg	Washington	345,309
Maple Heights	Cuyahoga	600,000
Marietta	Washington	527,039

RECIPIENT	COUNTY	AMOUNT
Marion	Marion	1,438,500
Mechanicsburg	Champaign	150,000
Medina County	Medina	245,858
Navarre	Stark	508,000
Nelsonville	Athens	286,850
New Boston	Scioto	500,000
Newark	Licking	5,874,303
Ohio & Lee Twp Water & Sewer Authority	Monroe	1,241,643
Parma Heights	Cuyahoga	1,400,000
Pomeroy	Meigs	69,632
Portsmouth	Scioto	619,160
Richmond Heights	Cuyahoga	500,000
Richwood	Union	528,000
Scio	Harrison	188,000
Sidney	Shelby	428,332
Southern 5 Sewer District	Huron	1,259,844
Steubenville	Jefferson	608,297
Sunbury	Delaware	720,000
Thornville	Perry	49,900
Tiffin	Seneca	3,401,809
Tri-Cities North Regional Wastewater Authority	Montgomery	355,830
Twinsburg	Summit	1,330,000
Vermilion	Erie	6,900,000
Warren	Trumbull	1,323,285
Wellington	Lorain	61,378
Whitewater Twp Regional Sewer District	Hamilton	650,000
Woodsfield	Monroe	419,100
Zanesville	Muskingum	477,844
TOTAL		69,137,288

WATER CONSTRUCTION

RECIPIENT	COUNTY	AMOUNT
Akron	Summit	13,439,927
Allen Water District	Allen	2,075,235
Ashtabula County	Ashtabula	1,898,520
Bowling Green	Wood	2,879,445
Brookville	Montgomery	482,714
Brown County Rural Water Assn	Brown	8,328,522
Bucyrus	Crawford	434,146
Camden	Preble	196,782
Canal Fulton	Stark	1,637,039
Canal Winchester	Fairfield	2,000,000
Canfield	Mahoning	2,324,988
Chesterhill	Morgan	143,611
Cincinnati	Hamilton	26,099,925
Circleville	Pickaway	702,450
Cleveland	Cuyahoga	43,460,070
Columbus	Franklin	170,282,969
Dayton	Montgomery	1,575,273
Defiance	Defiance	1,017,970
DeGraff	Logan	1,000,212
Delphos	Allen	319,835
East Liverpool	Columbiana	868,644
East Palestine	Columbiana	4,497,327
Elyria	Lorain	1,196,661
Fairport Harbor	Lake	4,737,707
Fayette	Fulton	1,292,231
Fletcher	Miami	287,148
Germantown	Montgomery	590,875
Glenmont	Holmes	420,974
Gnadenhutten	Tuscarawas	628,548
Grafton	Lorain	341,717
Gratis	Preble	324,415
Greene County	Greene	7,946,076
Greenfield	Highland	954,000
Hillsboro	Highland	1,143,199
Hubbard	Trumbull	83,658
Jefferson County	Jefferson	1,624,140
Jefferson Water & Sewer District	Franklin	537,976
Kelleys Island	Erie	621,782
Kenton	Hardin	1,085,952
Lakemore	Summit	3,558,398
Lakewood	Cuyahoga	755,394
Lexington	Richland	1,654,373
Licking County	Licking	166,910
Lisbon	Columbiana	4,507,964
Logan	Hocking	857,515
London	Madison	1,561,863
Lorain	Lorain	5,962,323

RECIPIENT	COUNTY	AMOUNT
Lowell	Washington	2,267,634
Madeira	Hamilton	2,638,934
Marietta	Washington	45,967,474
Marshallville	Wayne	3,208,122
Mechanicsburg	Champaign	697,570
Medina County	Medina	3,320,791
Middlefield	Geauga	965,445
Middletown	Butler	6,998,086
Millersport	Fairfield	800,000
Monroeville	Huron	404,005
Montgomery County	Montgomery	5,097,361
Morgan-Meigsville Rural Water District	Morgan	348,267
Muskingum County	Muskingum	9,009,560
Nelsonville	Athens	6,153,029
Nevada	Wyandot	365,985
Newark	Licking	1,878,592
North Baltimore	Wood	4,745,546
Northwestern Water & Sewer District	Wood	2,838,788
Oregon	Lucas	3,407,407
Pemberville	Wood	460,999
Piketon	Pike	12,394,813
Pomeroy	Meigs	548,809
Put-in-Bay	Ottawa	623,477
Rittman	Wayne	1,923,113
Rockford	Mercer	557,946
Russells Point	Logan	766,789
Sandusky	Erie	1,920,699
Sheffield Lake	Lorain	367,090
Somerset	Perry	373,352
South Point	Lawrence	3,956,931
Spring Valley	Greene	37,125
Springfield	Clark	4,454,301
Steubenville	Jefferson	12,200,405
Toledo	Lucas	2,016,400
Tri-County Rural W & S District	Washington	3,341,870
Tuppers Plains-Chester Water District	Meigs	1,086,453
Versailles	Darke	2,525,777
Wakeman	Huron	310,360
Walnut Creek Water Company	Holmes	558,044
Warren	Trumbull	1,856,986
West Milton	Miami	1,445,637
West Union	Adams	1,654,765
Wilmington	Clinton	1,132,067
Youngstown	Mahoning	2,939,013
Zanesville	Muskingum	4,522,623
TOTAL		493,595,841

SEWER CONSTRUCTION

RECIPIENT	COUNTY	AMOUNT
Akron	Summit	283,220,464
Allen County	Allen	150,000
Ashland County Health Department	Ashland	100,000
Ashtabula County	Ashtabula	50,000
Athens	Athens	4,754,495
Athens County	Athens	150,000
Belmont County	Belmont	150,000
Benton Ridge	Hancock	128,009
Brown County Health Department	Brown	150,000
Butler County	Butler	150,000
Caldwell	Noble	1,826,928
Canfield	Mahoning	1,188,899
Canton	Stark	7,482,764
Cardington	Morrow	389,305
Carroll County	Carroll	50,000
Chagrin Falls	Cuyahoga	946,984
Chauncey	Athens	5,151,703
Chillicothe	Ross	57,322,500
Cincinnati	Hamilton	50,000
Circleville	Pickaway	2,110,423
Clark County	Clark	150,000
Clermont County General Health District	Clermont	100,000
Cleveland	Cuyahoga	4,451,354
Columbiana County Health Department	Columbiana	150,000
Columbus	Franklin	166,675,888
Columbus Grove	Putnam	244,265
Columbus Public Health	Franklin	50,000
Commercial Point	Pickaway	9,999,878
Coshocton County	Coshocton	150,000
Covington	Miami	21,215,575
Crawford County General Health District	Crawford	100,000
Crestline	Crawford	14,893,762
Cridersville	Auglaize	400,000
Cuyahoga County Board of Health	Cuyahoga	150,000
Darke County General Health District	Darke	150,000
Dayton	Montgomery	25,933,589
Defiance County General Health District	Defiance	150,000
Elyria	Lorain	3,142,210
Erie County Health Department	Erie	100,000

RECIPIENT	COUNTY	AMOUNT
Fairfield	Butler	6,472,575
Fairfield County Department of Health	Fairfield	150,000
Fayette County	Fayette	2,705,389
Fayette County Soil & Water Conservation District	Fayette	150,000
Franklin County Public Health	Franklin	150,000
Fulton County Health Department	Fulton	50,000
Gallia County	Gallia	150,000
Geauga County Health District	Geauga	50,000
Genoa	Ottawa	728,716
Gilboa	Putnam	4,050,000
Greene County	Greene	3,221,200
Hamilton County	Hamilton	21,275,518
Hamler	Henry	2,437,075
Hardin County	Hardin	50,000
Harrison County General Health District	Harrison	100,000
Henry County	Henry	50,000
Highland County General Health District	Highland	100,000
Hocking County	Hocking	150,000
Holmes County	Holmes	150,000
Huron County	Huron	50,000
Ironton	Lawrence	21,059,693
Jackson	Jackson	1,568,050
Jackson County Health Department	Jackson	150,000
Jefferson County	Jefferson	150,000
Jefferson Water & Sewer District	Franklin	402,957
Kenton	Hardin	9,368,783
Knox County	Knox	50,000
Lake County	Lake	4,791,999
Lake County General Health District	Lake	150,000
Lancaster	Fairfield	25,732,491
Lawrence County Health Department	Lawrence	50,000
Licking County Health Department	Licking	150,000
Lima	Allen	3,453,366
Logan	Hocking	4,516,812
Logan County Health District	Logan	50,000
Lorain	Lorain	7,812,582
Lorain County Public Health	Lorain	150,000

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SEWER CONSTRUCTION

RECIPIENT	COUNTY	AMOUNT
Madison County-London City Health District	Madison	50,000
Mahoning County District Board of Health	Mahoning	100,000
Manchester	Adams	1,992,820
Maple Heights	Cuyahoga	380,000
Marion County Public Health	Marion	150,000
Matamoras	Washington	134,518
Medina County	Medina	150,000
Meigs County General Health Department	Meigs	150,000
Miami County Public Health	Miami	150,000
Middletown	Butler	56,975,857
Montgomery County	Montgomery	633,612
Morgan County	Morgan	150,000
Morrow County	Morrow	1,222,900
Muskingum County	Muskingum	4,591,557
Muskingum Watershed Conservancy District	Tuscarawas	100,000
Newark	Licking	16,788,696
Newton Falls	Trumbull	2,925,000
Noble County	Noble	100,000
Northwestern Water & Sewer District	Wood	1,758,030
Ottawa County Health Department	Ottawa	150,000
Paulding County Health Department	Paulding	150,000
Pemberville	Wood	517,124
Pickaway County General Health District	Pickaway	150,000
Pike County General Health District	Pike	150,000
Piketon	Pike	11,460,234
Plain City	Union	14,188,230
Portage County Combined General Health District	Portage	150,000
Putnam County Health Department	Putnam	50,000
Richland County Public Health	Richland	150,000
Rocky River	Cuyahoga	29,088,891
Ross County	Ross	150,000
Salem	Columbiana	19,244,610
Sandusky	Erie	41,554,985
Sandusky County Health Department	Sandusky	50,000
Scioto County	Scioto	150,000

RECIPIENT	COUNTY	AMOUNT
Seneca County General Health District	Seneca	150,000
Southwest Licking Community W & S District	Licking	101,339,920
Spencer	Medina	1,157,255
Springfield	Clark	4,580,287
Stark County Health Department	Stark	150,000
Summit County	Summit	2,776,942
Swanton	Fulton	4,590,474
Sycamore	Wyandot	400,000
Tiffin	Seneca	4,000,000
Toledo	Lucas	18,500,000
Toledo-Lucas County Health Department	Lucas	50,000
Toronto	Jefferson	1,892,734
Trimble Township Wastewater Treatment District	Athens	932,986
Trumbull County	Trumbull	1,489,533
Tuscarawas County	Tuscarawas	350,753
Tuscarawas County Health Department	Tuscarawas	150,000
Union County Health Department	Union	50,000
Vinton County	Vinton	50,000
Warren	Trumbull	4,027,211
Warren County Combined Health District	Warren	150,000
Washington County Health Department	Washington	100,000
Wayne County Health Department	Wayne	150,000
Wellston	Jackson	1,351,868
West Milton	Miami	389,388
Williams County Health Department	Williams	150,000
Wilmington	Clinton	46,034,451
Wood County Health District	Wood	150,000
Wyandot County General Health District	Wyandot	50,000
TOTAL		1,136,597,064

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Ohio Water
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