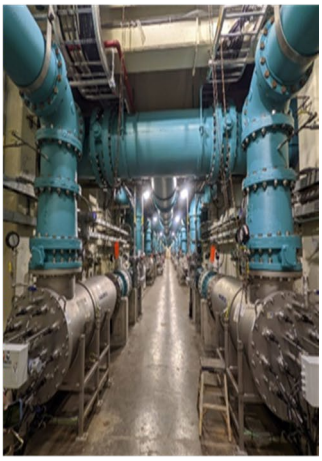
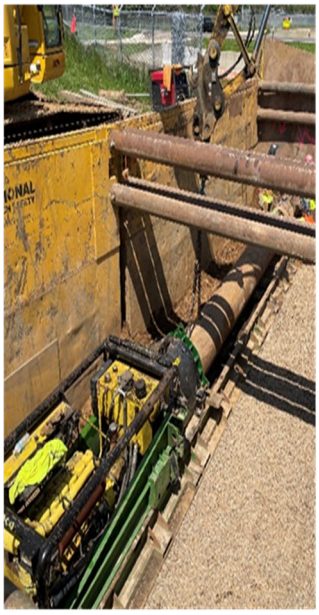
Ohio Environmental Protection Agency







DIVISION OF ENVIRONMENTAL AND FINANCIAL ASSISTANCE

DIVISION OF DRINKING AND GROUND WATERS

DRINKING WATER ASSISTANCE FUND

Program Year 2024 Annual Report

AUGUST 2024

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STATE OF OHIO
DRINKING WATER ASSISTANCE FUND
ANNUAL REPORT TO U.S. EPA, REGION V
FOR PROGRAM YEAR 2024 (JULY 1, 2023 – JUNE 30, 2024)

I. INTRODUCTION

The state of Ohio is pleased to submit the Ohio Drinking Water Assistance Fund (DWAF) Annual Report for Program Year (PY) 2024. This report addresses operation of the DWAF during the period July 1, 2023 through June 30, 2024. During the period, Ohio was awarded the 2023 base capitalization grant funds and the 2023 Supplemental, Lead Service Line, and Emerging Contaminants grants through the Bipartisan Infrastructure Law (BIL) Grant Program. Ohio has met the grant requirements.

Ohio EPA provides this report detailing the activities undertaken to reach the goals and objectives set forth in the program management plan developed for PY 2024. This report documents the status of the program by describing progress made toward long-and short-term program goals, the funding sources (e.g., federal grant) and uses of all funds (e.g., loans, set-asides), financial status of the DWAF, and compliance with federal Drinking Water State Revolving Fund requirements.

II. DETAILS OF FUND ACCOMPLISHMENTS

During PY 2024, all pertinent short-term and long-term goals of the program were met. A total of 148 binding commitments in the amount of $302,940,667 were made. The 148 binding commitments undertaken by Ohio EPA funded a total of 142 projects, including six supplemental loans awarded to Columbus (2), Green County (2), Miamisburg (1), and Pomeroy (1). See Table 1 for a breakdown of the overall Water Supply Revolving Loan Account (WSRLA) activity. A loan awarded to Portsmouth in PY 2024 for their Water Treatment Plant project in the amount of $100,913,885.13 was used to meet the equivalency requirements for both the base capitalization and supplemental grants. Portsmouth also received $10,000,000 in principal forgiveness funding. The project was approved in June 2024, but the loan agreement was fully executed in July 2024. The loan will be reflected in the PY25 annual report binding commitments.

TABLE 1. PROGRAM YEAR 2024 WATER SUPPLY REVOLVING LOAN ACCOUNT ACTIVITY

Project Type	**Number of Loans**	**Award Amount**	**PF Amount**
Construction	110	$ 264,267,868.95	$ 65,065,734.57
Design	26	$ 12,563,641.36	$ 4,738,387.54
Planning	12	$ 26,109,157.00	$ 5,309,572.65
Grand Total	**148**	**$ 302,940,667.31**	**$ 75,113,694.76**

Total Federal Funds Received:		$243,121,000
FFY2023 Base Capitalization Grant	$11,151,000	
FFY21 Cap Grant Reallotment	$257,000	
FFY2023 BIL Supplemental Grant	$47,547,000	
FFY2023 BIL Emerging Contaminants Grant	$17,253,000	
FFY2023 BIL Lead Service Line Grant	$166,913,000	
Number of Projects Binding Commitments:		148
Project Funding Binding Commitments:		$302,940,667
Average Interest Rate:		2.51 percent (excluding PF)
Total Subsidy Issued		$75,113,694.76
Total Funds Issued for Disadvantaged Community Loans:		$46,154,599[1]
Total Subsidy Issued for Disadvantaged Community Loans:		$19,565,700
Total Subsidy Issued for Lead Service Line Projects:		$36,236,843
Total Subsidy Issued for Emerging Contaminant Projects:		$19,311,152
Number of Small Systems Funded:		66 loans for $81,734,020

Of the $302,940,667 in binding commitments, $115,675,767 was awarded in the third quarter of 2023, 54,275,943 in the fourth quarter of 2023, $68,795,521 in the first quarter of 2024, and $64,193,436 in the second quarter of 2024. See Appendix E for a list of binding commitments.

Interest rates of loans ranged from a low of 0.0% to a high of 3.61% and the average loan rate of all loans, excluding principal forgiveness, was 2.51%. The DWAF financial summary is provided below in Table 2.

TABLE 2. DWAF FINANCIAL SUMMARY FOR PY 2024

Funding sources for PY 2024	
DWAF 2024 Cap Grant (net of set asides)	223,689,860
DWAF Series Note Issuance	-
DWAF Series Bond Issuance	170,066,666
Note Purchase Contract (PNC)	1,000,000,000 [2]
Loan Repayments	23,309,412
Interest Earnings	7,074,849
Total Sources PY 2024	**1,424,140,787**
Funding uses for PY 2024	

[1] Total Funds Issued for Disadvantaged Communities exclude loans with Lead Service Line or Emerging Contaminants funding.

[2] Revolving line of credit that Ohio EPA has access to but rarely draws significantly from

PY 23 Disbursements of Bond Issuance (net of grants)	339,834,555 [3]
PY 23 Total Loan Awards (incl suppl)	305,215,101[4]
Total Uses PY 2024	**645,049,656**
Increase / (Decrease) in Funds Available	779,091,131
Funds Available End of PY 23	133,319,458
Funds Available End of PY 24	**912,410,589**

During PY 2023, Ohio EPA accepted the FFY 2023 appropriations (the 2023 capitalization grant). Ohio EPA also accepted the available FFY2021 Reallotment appropriations, along with BIL Supplemental, Lead Service Line and Emerging Contaminants appropriations. The 2023 appropriations and capitalization grant allowed for additional subsidization of projects. Ohio EPA provided additional subsidies through principal forgiveness awards to qualifying projects. Ohio EPA awarded $75,113,695 in principal forgiveness funds through 66 binding commitments. Principal forgiveness was provided for lead service lines, disadvantaged communities, regionalization and emerging contaminant projects. Table 3 shows the principal forgiveness awards made during the program year.

TABLE 3. WSRLA PRINCIPAL FORGIVENESS AWARDS DURING PY 2024

Name	Project Name	Project Type	PF Amount	System User Population	Disadvantage Category
Akron	Lead Service Line Replacement Program 2023	Construction	2,628,294.38	300,000	LSL DIS
Aqua Ohio Inc.	Ashtabula Lead Service Line Replacement	Construction	255,055.72	18,091	LSL DIS
Aqua Ohio Inc.	Struthers Lead Service Line Replacement	Construction	68,343.50	10,058	LSL DIS
Ashtabula County	Lenox New Lyme Waterline Extension	Design	174,000.00	14,200	Disadvantaged
Brown County Rural Water	Village of Ripley / Ripley Union Water System Improvements	Construction	2,723,025.00	28,299	Disadvantaged
Caldwell	WTP, Raw Water Supply and Distribution (East Tank)	Design	1,000,000.00	2,334	EC DIS
Cincinnati	Apple - Hanfield Area Water Main Replacement	Construction	124,815.79	302,687	LSL DIS
Cincinnati	Cappel - Hermosa Area Waterline Replacement	Construction	162,180.00	301,394	LSL DIS
Cincinnati	Carson - Fairbanks Area Waterline Replacement	Construction	166,155.00	301,394	LSL DIS
Cincinnati	CUF McMicken - Enslin Water Main Replacement	Construction	184,970.00	302,687	LSL DIS
Cincinnati	Fairview - Probasco Area Water Main Replacement	Construction	273,618.37	302,687	LSL DIS
Cincinnati	Fire Flow Collection Waterline Replacement	Construction	404,470.89	308,664	LSL DIS

[3] Proceeds from previously issued bonds

[4] Total binding commitments for PY2023

Cleveland	CWD 2022 LSLR Special Cases	Construction	3,487,769.20	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-1	Construction	3,522,713.90	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-10 Supplies - Copper & Brass	Construction	799,989.16	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-10 Supplies - Curb Boxes	Construction	362,551.80	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-10 Supplies - Filters	Construction	313,230.00	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-2	Construction	3,522,713.90	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-3	Construction	1,585,090.82	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-4	Construction	1,697,715.82	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-5	Construction	677,997.54	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-6	Construction	677,976.56	1,308,955	LSL DIS
Cleveland	CWD LSLR 2023-8 Special Cases-1	Construction	2,042,588.12	1,308,955	LSL DIS
Dayton	36" Raw Water Main within Miami Wellfield - EC	Design	836,104.50	140,444	EC DIS
Dayton	48" Interconnect between Miami Wellfield and Ottawa Plant	Design	2,268,383.04	140,000	EC DIS
Dayton	End of Pipe Treatment at Ottawa Treatment Plant - EC	Planning	3,500,000.00	140,444	EC DIS
Dayton	Installation of 4 Production Wells at Miami Wellfield - EC	Construction	6,000,000.00	140,444	EC DIS
Dayton	LSL Compliance Phase 2	Planning	343,972.65	140,444	LSL DIS
Dayton	Miami Wellfield Fate and Transport Study - EC	Planning	1,000,000.00	140,444	EC DIS
Dayton	Raw WL at Intersection of Needmore and Wagner Ford Road	Construction	1,575,273.05	140,444	EC DIS
Dayton	Water Quality Lab Expansion	Design	360,000.00	140,444	EC DIS
Delphos	Cass & Central Lead Service Line Replacement	Construction	133,714.19	7,066	LSL DIS
East Palestine	Waterline Replacement Project	Construction	2,302,755.00	4,493	Disadvantaged
East Palestine	Waterline Replacement Project	Construction	129,812.83	4,493	LSL DIS
Elyria	City of Elyria Lead Service Line Replacement Project #3	Construction	629,071.58	53,910	LSL DIS
Fairport Harbor	Water System Regionalization	Construction	2,210,000.00	3,180	Disadvantaged
Fayette	Lead Service Line Replacement - Phase 1	Construction	217,830.00	1,250	LSL DIS
Hillsboro	2023 High Street LSL Replacement	Construction	600,967.00	6,535	LSL DIS
Lakewood	2023 Watermain & Lead Service Replacement	Construction	397,102.50	50,002	LSL DIS
Lima	Lead Service Line Replacement - Phase 1	Construction	1,590,000.00	75,000	LSL DIS
Lisbon	Water Tank & North End Pressure Improvements	Construction	1,633,875.00	2,695	Disadvantaged

Lorain	2023 Lead Service line Replacement Project	Construction	2,740,062.90	63,832	LSL DIS
Lowell	Lowell Water Treatment Plant Installation	Construction	2,011,791.00	638	EC DIS
Lowell	Water Tank and Watermain Replacement	Design	99,900.00	538	Disadvantaged
Manchester	Water Line Improvements Phase 2	Construction	1,649,669.60	1,790	Disadvantaged
Marietta	Lead Service Line Investigations	Planning	400,000.00	13,551	LSL DIS
Muskingum County	Norfield and Arch Hill Waterline Extension	Construction	870,600.00	22,000	Disadvantaged
Muskingum County	Philo, Virginia Ridge and Irish Ridge Rd Main Extension	Construction	1,605,775.00	21,464	Disadvantaged
New London	Coleman Court/Clinton Street Lead Waterline Replacement	Construction	27,200.82	2,543	LSL DIS
New Richmond	PFAS Evaluation and Treatment	Planning	50,000.00	2,684	EC DIS
Newark	Lead Service Line Replacement Project #3	Construction	923,621.46	19,425	LSL DIS
Newark	Lead Service Line Replacement Project #4	Construction	1,264,519.05	19,425	LSL DIS
Northwestern Water & Sewer	Rossford Waterline Replacement	Construction	87,518.87	72,000	LSL DIS
Piketon	Piketon Water Treatment Plant	Construction	3,994,717.00	2,139	Disadvantaged
Pomeroy	Lead Service Lines Phase 2	Construction	278,854.89	1,752	LSL DIS
Pomeroy	Water System Improvements	Construction	6,051.00	1,786	LSL DIS
Rittman	Water Transmission Main Replacement	Construction	953,452.03	6,503	Disadvantaged
South Point	New Source Well	Construction	694,000.00	3,130	EC DIS
Springfield	Northern Avenue Utilities Upgrades	Construction	538,612.01	59,132	LSL DIS
Toledo	City of Toledo Lead Line Replacement Program	Construction	1,060,000.00	268,508	LSL DIS
Tuppers Plains/Chester	Young, Featherstone, and Blackwood Rd. Water Line Extensions	Construction	789,887.45	16,087	Disadvantaged
Walnut Creek Water Company	Cherry Ridge Water Line Extension	Construction	558,044.33	1,437	Disadvantaged
Warren	2022 Waterline Replacement Program (Area A)	Construction	107,805.07	55,500	LSL DIS
Warren County	Granular Activated Carbon Upgrades	Planning	15,600.00	14,700	EC DIS
West Milton	Miami Street Water Main and LSL Replacement	Construction	164,008.50	4,790	LSL DIS
West Union	North Street Water Line Replacement	Construction	92,869.47	2,616	LSL DIS
Youngstown	Lead Service Line Replacement	Construction	1,545,007.50	64,152	LSL DIS
			75,113,694.76		

III. DWAF FINANCIAL STATUS

A. REVENUES, EXPENSES, AND DISBURSEMENTS

Revenue to the DWAF during PY 2024 came from several sources: federal capitalization grants, repayments to the fund, interest earned on accounts, and DWAF bond proceeds. Total federal grants were $243,121,000; one federal capitalization grant in the amount of $11,151,000 was received in calendar year 2023. Other federal grants included the DWAF FFY21 reallotted funds for $257,000, a BIL supplemental grant for $47,547,000, a BIL Lead Service Line grant for $166,913,000, and a BIL Emerging Contaminants grant for $17,253,000. The total capitalization grants (base and supplemental) minus set-asides for the period was $52,523,860. $153,913,000 was the amount of Lead Service Line grant minus set-asides. No set-asides were taken from the Emerging Contaminants grant. WSRLA loan repayments totaled $23,309,412 net of bond debt service, and interest income earned on accounts totaled $7,074,849.

Expenses for the DWAF during PY 2024 were for debt service payments on bonds and program administration. The total debt service payment on bonds during PY 2024 was $68,788,067 and was associated with the debt service on the DWAF Leverage and DWAF Series obligations. This is net of state match note retirement and paid from previous excess interest loan repayments.

Disbursements to projects during PY 2024 totaled $341,887,816. Of this amount, $52,523,860 was from federal DWSRF capitalization grants, $245,144,619 from the Other Projects accounts, $2,053,261 from non-governmental loans, $30,641,725 from BIL Lead Service Line grant and $11,524,351 from the BIL Emerging Contaminants grant.

B. 120% BINDING COMMITMENTS MADE WITHIN ONE YEAR OF CAPITALIZATION GRANT PAYMENTS TO ASAP

The requirement that DWAF binding commitments be made for at least 120% of the amount of the increase to the ASAP one year after the increases were made was satisfied during PY 2024. At the end of the fourth quarter of PY 2024, the cumulative ASAP increases totaled $3,388,945,423 and the cumulative binding commitments at the end of PY 2024 were $703,821,400, resulting in a commitment percent of 481.51%.

C. 20% STATE MATCH PROVIDED FOR FEDERAL CAPITALIZATION GRANTS

Except for the Lead Service Line and Emerging Contaminants grants received through BIL, the state of Ohio is required to match all federal capitalization grants with a state match of at least 20%. Through the end of PY 2024, the total amount of capitalization grant funds paid to the DWAF was $796,619,400 which was matched by deposits to the DWAF totaling $173,278,779 from state match funds and an initial cash contribution. Thus, the State has matched the capitalization grants received by 21.75%, meeting the requirement.

Please see the attached balance sheets prepared by the Ohio Water Development Authority (OWDA) for more information.

IV. SET-ASIDES

A. LOCAL ASSISTANCE AND OTHER STATE PROGRAMS

This set-aside is used when necessary to supplement existing state programs and not as substitute for existing funding. By doing this, Ohio EPA maximizes the amount of funding available for infrastructure improvements. This set-aside is used to build capacity at public water systems. Besides the focus areas below, this set-aside also funded lead service line activities along with contracts, supplies, and operating charges. $2,343,711 was disbursed from the Local Assistance and Othe State Programs set-aside account in program year 2024. Of this amount, $1,115,100 was from the FFY 2023 capitalization grant.

PY 2024 Source Water Assessment and Protection

The Local Area Assistance and Other State Programs set-aside was used to fund these activities in PY 2024. There are approximately 9.9 FTEs related to the Source Water Assessment and Protection Program. Please see the PY 2024 Source Water Assessment and Protection Annual Report included as part of Appendix A for further information.

B. SMALL SYSTEMS TECHNICAL ASSISTANCE

Ohio EPA administered a Small Systems Technical Assistance Program utilizing two assistance providers during PY 2024, Great Lakes Rural Community Assistance Program (Ohio RCAP) and Ohio Rural Water Association (ORWA) were under agreement to provide small system managerial and financial assistance.

Included in the agreement with RCAP, are free one-day courses designed to target board members, mayors, water system superintendents and operators. Ohio RCAP continues to offer free online versions of *Utility Management for Local Officials and Financial Management for Local Officials* courses. These trainings are offered as webinars and self-paced online courses.

Please see Appendix B for more information.

The technical assistance agreement with Ohio RCAP was in effect from July 1, 2023 through June 30, 2024 and funded with a grant in the amount of $950,000.00. During PY 2024, $825,881.41 was disbursed by Ohio Water Development Authority (OWDA).

The agreement with the Ohio Rural Water Association (ORWA) was to provide additional trainings for water systems and operators. Ohio RCAP and ORWA conducted training sessions across the state and online. 35 training sessions were held statewide with over 800 people in attendance.

The technical assistance agreement with ORWA was in effect from July 1, 2023 through June 30, 2024 and funded with a grant in the amount of $77,450.00. During PY 2024, $99,356.31 was used for training and technical assistance. The overage for the amount spent is due to a rollover from the prior year's agreement with ORWA that was carried forward. Funds available from the FFY 2022 and FFY 2023 Supplemental technical assistance grant set-aside, (grant account numbers FS985954-22, 4D00E03246, and 4D01E03246) were used to implement these agreements.

C. PUBLIC WATER SYSTEM SUPERVISION

The Public Water System Supervision (PWSS) set-aside funded return to compliance activities along with contracts, supplies, and operating charges. 17.5 FTEs were utilized to complete the PWSS workplan and $1,761,796 was disbursed from the Public Water Supervision set-aside account in program year 2024, $1,115,100 from the FFY23 capitalization grant.

Return to Compliance Activities

USEPA's National Compliance Initiative (NCI) added 'Reducing Noncompliance with Drinking Water Standards at Community Water Systems' as a new initiative in PY 19. The goal of the initiative is for the reduction of noncompliance in community water systems by 25 percent between FY18- FY22. Ohio has exceeded the goal based on current measures and will continue to work on these issues to maintain this achievement. The Drinking Water Enforcement Response Policy and Enforcement Targeting Tool (ETT) was also used to determine PWSs needing assistance. Nationally, PWSs with ETT scores of 11 or greater are classified as priority for enforcement. During PY 24 Ohio EPA provided assistance to 190 PWS with compliance needs and was able to return 162 to the PWS compliance. The systems in both cases were addressed/resolved by returning to compliance, outreach/technical guidance, completing an enforcement action with the system, correcting/updating our database, and by inactivating systems no longer in operation.

Sanitary Survey Program

Ohio EPA continuously utilizes the Sanitary Survey Program to evaluate PWSs for compliance issues and provide technical, managerial, or financial assistance to return the system to compliance. To allow for a structured continual evaluation of PWS capability and asset management program implementation, systems undergo a sanitary survey every three years and non-community water systems undergo a sanitary survey every five years.

Harmful Algal Blooms

In the Implementation of Ohio Harmful Algal Blooms Response Strategy, funds from the PWSS set-aside were used to support PWSs in responding to raw and finished water cyanotoxin detections and optimizing treatment. Information on activities conducted to support the Harmful Algal Blooms Program are presented in Appendix A of this report.

Please see Appendix A for more information.

V. PROVISIONS OF THE OPERATING AGREEMENT/CONDITIONS OF CAPITALIZATION GRANTS

The Ohio EPA agreed to administer the DWAF in accordance with conditions outlined in previous Grant Agreements and the Operating Agreement. The following conditions have been met as described in the operating agreement or the capitalization grant agreement and will not be described further:

- Agreement to accept payments
- State laws and procedures

- State accounting and auditing procedures
- Recipient accounting procedures using GAAP and auditing procedures using GAGAS
- Use of the Automated Standard Application for Payments (ASAP)
- Ohio Attorney General Certification
- Preparation of Project Priority List and Intended Use Plan annually

Through the Ohio Water Development Authority, establish and maintain DWAF accounts

Other conditions, requirements, or regulations which were met during PY 2023 include: matching ASAP increases at the 20 percent level for the base capitalization grant and 10 percent for BIL supplemental grant, expeditious and timely expenditure of funds, providing SRF funds only for eligible activities, compliance with SDWA requirements for all projects receiving binding commitments, the Minority Business Enterprises and the Women's Business Enterprises requirements, compliance with other federal authorities; compliance with the State Environmental Review Process (SERP); compliance with the ASAP cash draw procedures and rules established by U.S. EPA; and the performance of an annual audit and annual review. BIL Lead Service Line and Emerging Contaminants grants were provided to disadvantaged communities and did not have match requirements.

ADMINISTRATION

Ohio EPA no longer uses the Administration set-aside account but uses the Fee account for staffing levels.

The agency currently collects administrative fees from loan recipients. Administrative fees collected are deposited into the Administrative Account managed by the OWDA. Except for loans to disadvantaged communities, Ohio EPA collected the loan origination fee of 1.0 percent of the principal of each loan originated from the DWAF during PY 2024. The OWDA requires a fee of 0.35 percent of the entire loan amount. The OWDA fees are also deposited into the Administrative Account to be utilized by the agency for administrative costs related to the program. Fees deposited into the Administrative Account must be used solely to defray the costs of administering the program.

These fees are due at the time of the loan award. Administrative funds that remain in the account at the conclusion of the program year remain in the account to address program administration costs in subsequent years.

VI. FUTURE DIRECTIONS FOR THE DWAF PROGRAM

Ohio EPA approved the PY 2025 DWAF Program Management Plan on July 31, 2024. Funding will be made available for PY 2025 that will meet the drinking water needs of small and large communities along with a principal forgiveness program which will be sensitive to the economic needs of small and disadvantaged communities and regionalization projects. Approximately $2.05 billion in project nominations were received for PY 2025. Ohio EPA expects sufficient funding for all eligible projects on the IPL that meet program requirements and are ready to proceed during the upcoming program year.

The federal Bipartisan Infrastructure Law (BIL) was signed on November 15, 2021. Significant investment for water and wastewater infrastructure improvements is provided through the BIL and will be funded via State Revolving Fund programs over a 5-year period (2022-2026). For Ohio's drinking water SRF, in addition to the base capitalization grant, three new BIL-funded capitalization grants will be available in PY 2025 including a Supplemental grant, Lead Service Line grant and Emerging Contaminants grant. A percentage of these grants must be offered as additional subsidy (i.e. principal forgiveness). The maximum amount of principal forgiveness that Ohio is permitted to offer for PY 2025 per the 2024 appropriations and capitalization grants is approximately $31.0 million. Approximately $2.5 million will be reserved for regionalization projects. Approximately $28.6 million will be reserved for projects serving disadvantaged communities. Of the amount awarded for principal forgiveness, $22.2 million is BIL funding from the supplemental capitalization grant.

Principal Forgiveness – Lead Service Line (LSL) Replacements

For PY 2025, Ohio EPA intends to utilize $184.0 million in BIL funding for lead service line replacement projects. These projects will be offered a combination loan and principal forgiveness award. Up to 53% of the LSL related costs may be awarded as principal forgiveness. The remainder of LSL related costs will be financed at 0% interest rate.

In response to harmful algal blooms (HABs) and their potential effect on drinking water systems, Ohio EPA continues to make available 0% interest rate for projects addressing HABs and per- and polyfluoroalkyl substances (PFAS). A total of $30 million at 0% interest is available for HABs and PFAS. For PY 2025, Ohio EPA intends to utilize BIL funding to offer 100% principal forgiveness funding for projects addressing emerging contaminants including PFAS.

All planning and design loans with terms of five years or less will receive a 0% interest rate. Furthermore, all planning and design nominations will be accepted throughout the program year as part of an "open" cycle.

Ohio EPA continues to support efforts for regionalization. For projects that do not qualify for regionalization principal forgiveness, 0% interest loan funds will be available. Ohio EPA will make up to $30 million available at the discounted rate for this purpose. Regionalization includes projects which consolidate water systems or connect areas with contaminated wells, or wells with an inadequate water supply into larger systems that exhibit capacity.

VII. ENVIRONMENTAL BENEFITS OF THE DWAF

Ohio EPA has completed its commitment to collect data for entry in PBR, providing data for loans each year. We will continue to enter data for new loans at least quarterly. Ohio EPA utilizes its database program, Assistance Information Management System (AIMS), that assists and ensures that OWSRF information is compiled at the time of loan award.

VIII. DWAF FINANCIAL STATEMENTS

DWAF – Balance Sheet – June 30, 2024

Drinking Water Assistance Fund
Balance Sheet

June 30, 2024

Assets	
Cash and cash equivalents	310,905,161
Investments	201,878,947
Receivables:	
Federal and local government authorities	1,399,093,811
Other	-
Total assets	1,911,877,919
Deferred Outflows of Resources	
Loss on Refunding	508,866
Total assets and deferred outflows of resources	1,912,386,785
Liabilities and Net Position	
Accounts Payable	27,187,100
Accrued interest	3,147,417
Drinking Water Assistance Fund Bonds	
State Match Series	-
Leverage Series	1,160,198,329
Total liabilities	1,190,532,846
Net Position	721,853,939
Total liabilities and net position	1,912,386,785

DWAF – Statement of Revenues, Expenses, and Changes in Net Assets

Drinking Water Assistance Fund
Statement of Revenues, Expenses and Changes in Net Assets
Year ended June 30, 2024

Revenues:	
Project revenue (Loan income)	16,736,150
Investment income	14,876,453
Administrative fees from projects	2,820,117
Contribution from U.S. EPA	101,557,161
	135,989,881
Expenses:	
Interest on bonds and notes	22,141,779
Bond and note issuance expense	2,531,213
Loan principal forgiveness and grant expense	54,640,997
State revolving fund administration	6,993,299
Professional services	1,615,792
Loan interest rate buy-down	344,140

	88,267,220
Excess (deficiency) of revenues over expenses before non - operating revenue	47,722,661
Other	-
Excess (deficiency) of revenues over expenses	47,722,661
Net Position at beginning of year	674,131,278
Net Position at end of year	721,853,939

DWAF – Statement of Cash Flows – June 30, 2024

Drinking Water Assistance Fund

Statement of Cash Flows
Year ended June 30, 2024

Operating activities:	
Administrative fees from projects	2,880,345
Grant expense	(2,120,206)
State revolving fund administration	(6,993,299)
Professional services	(1,647,713)
Net cash provided (used) by operating activities	(7,880,873)
Investing activities:	
Proceeds from maturity or sale of investments	352,979,795
Purchase of investments	(295,772,759)
Interest received on investments, net of purchased interest	7,074,849
Interest received on projects	12,370,937
Principal collected on projects	79,726,542
Payment for construction of projects	(341,887,816)
Net cash provided (used) by investing activities	(185,508,452)
Noncapital financing activities:	
Interest paid on bonds and notes, net of purchased interest	(37,528,217)
Redemption of bonds and notes	(63,210,000)
Proceeds of bonds and notes	170,541,666
Bond issuance expense	(1,732,451)
Interest rate buy-down expense	(344,140)
Contribution from U.S. EPA	101,557,161
Other	-
Net cash provided (used) by noncapital financing activities	169,284,019
Net increase (decrease) in cash and cash equivalents	(24,105,306)
Cash and cash equivalents at beginning of period	50,358,911
Cash and cash equivalents at end of period (Note 1)	26,253,605
Reconciliation to net cash provided (used) by oper activities:	
Excess (deficiency) of revenues over expenses before operating transfer	47,722,661

Adjustments:	
Investment income	(14,876,453)
Principal forgiveness and other	52,520,791
Interest on bonds and notes	22,141,779
Project revenue	(16,736,150)
Contribution from U.S. EPA	(101,557,161)
Bond and note issuance expense	2,531,213
Interest rate buy-down expense	344,140
Net change in other assets and other liabilities	28,307
Net cash provided (used) by operating activities	(7,880,873)

Note 1: As of June 30, 2024, the Drinking Water Fund balance sheet had cash and cash equivalent balances of $310,905,161, which includes cash deposit in transit of $284,571,406 for a bond issuance sold on 6/25/24 but closed on 7/16/24 & accrued interest receivable of $80,150 on money market balances. 6/30/24 cash and equivalent balance for cash flow statement was $26,253,605 which doesn't include accrued interest receivable of $80,150 or cash deposit in transit of $284,571,406.

DWAF – Loan Disbursements – July 1, 2023 to June 30, 2024

Account Type	**Total**
Capitalization Grant	$ 52,523,860
State Match	-
Other Projects Accounts	$ 245,144,619
Non-Governmental Loan	$ 2,053,261
Lead	$ 30,641,725
Emerging Contaminants	$ 11,524,351
Grand Total	**$ 341,887,816**

DWAF – Debt Service Payments – July 1, 2023 to June 30, 2024

Type	**Interest**	**Principal**	**Total**
State Match Series	$ 950,150	$ 31,000,000	$ 31,950,150
DWAF Leverage & DWAF Series	$ 36,578,067	$ 32,210,000	$ 68,788,067
	$ 37,528,217	**$ 63,210,000**	**$ 100,728,217**

No Refunding transactions occurred in SFY 2024
*State Match was retired with equity, not loan repayments.

DWAF – Investment Income – July 1, 2023 to June 30, 2024

Type	Total
Capitalization Grant	965
Repayment Accounts	$ 348,986
Other Project Accounts	$ 11,167,050
Non-Governmental Loan	$ 136,906
DWAF Leverage and DWAF Accounts	$ 3,222,546
	$ 14,876,453

DWAF – Financial Status – July 1, 2023 to June 30, 2024

Cap grant	$ 52,523,860
DWAF Loan repayments exceed DS *	$ 23,309,412
Investment Income	$ 14,876,453
Debt Service ^	$ 68,788,067
Disbursements Info:	
Capitalization Grant	$ 52,523,860
State Match	-
Other Projects Accounts	$ 245,144,619
Non-Governmental Loan	$ 2,053,261
Lead	$ 30,641,725
Emerging Contaminants	$ 11,524,351
	$ 341,887,816
* Loan Prin and Int collected	$ 92,097,479
^ Bond Debt Service (DS)	($ 68,788,067)
*DWAF Loan Repayments exceed DS	$ 23,309,412

DWAF – Capitalization Grant Award and State Match Summary

Drinking Water Assistance Fund
Capitalization Grant Award and State Match Summary
as of June 30, 2024

Grant Number	FFY Appropriation	Cap Grant Award Date	Cap Grant Amount	State Match Amount (20%)	Match Source
FS985954-98	1997	9/11/98	$ 43,073,000.00	$ 8,614,600.00	Provided by OWDA
FS985954-99	1998	9/30/99	$ 22,806,200.00	$ 4,561,240.00	Provided by OWDA
FS985954-00	1999	9/21/00	$ 23,903,100.00	$ 4,780,620.00	2001 BAN
FS985954-00	2000	9/21/00	$ 24,842,200.00	$ 4,968,440.00	2001 BAN
FS985954-00-1	2001	9/19/01	$ 24,944,900.22	$ 4,988,980.04	2001 BAN
FS985954-02	2002	4/26/02	$ 24,547,600.00	$ 4,909,520.00	$261,960 by 2001 BAN and $4,647,560 by 2002 SM Bonds
FS985954-03	2003	9/17/03	$ 24,400,100.00	$ 4,880,020.00	2002 SM Bonds
FS985954-04	2004	9/30/04	$ 25,311,500.00	$ 5,062,300.00	$3,259,157 by 2002 SM Bonds and $1,803,143 by 2004 SM Bonds
FS985954-05	2005	8/30/05	$ 25,257,900.00	$ 5,051,580.00	2004 SM Bonds
FS985954-06	2006	9/28/06	$ 24,670,900.00	$ 4,934,180.00	2004 SM Bonds
FS985954-07	2007	9/25/07	$ 24,671,000.00	$ 4,934,200.00	2004 SM Bonds
FS985954-08	2008	9/24/08	$ 24,421,000.00	$ 4,884,200.00	2004 SM Bonds
FS985954-09	2009	9/30/09	$ 24,421,000.00	$ 4,884,200.00	2004 SM Bonds
FS985954-10	2011	3/4/11	$ 43,610,000.00	$ 8,722,000.00	2004 SM Bonds
FS985954-11	2011	9/28/11	$ 30,261,000.00	$ 6,052,200.00	2004 / 2010 SM Bonds
FS98595412-0	2012	9/26/12	$ 30,339,000.00	$ 6,067,800.00	2010 SM Bonds
FS985954-13-0	2013	8/20/13	$ 27,058,000.00	$ 5,411,600.00	2010 SM Bonds
FS985954-14-0	2014	9/29/14	$ 24,586,000.00	$ 4,917,200.00	2010 SM Bonds / 2014 SM Notes
FS985954-15-0	2015	9/17/15	$ 24,405,000.00	$ 4,881,000.00	2014 SM Notes
FS985954-16-0	2016	8/24/16	$ 22,907,000.00	$ 4,581,400.00	2014 SM Notes
FS985954-17-0	2017	9/14/17	$ 22,909,000.00	$ 4,581,800.00	2017 SM Notes
FS985954-18-0	2018	8/30/18	$ 27,935,000.00	$ 5,587,000.00	2017 / 2018 SM Notes
FS985954-19-0	2019	8/12/19	$ 27,674,000.00	$ 5,534,800.00	2018 / 2019 SM Notes
FS985954-19-0 (reallotted funds)	2019	7/21/21	$ 257,000.00	$ 51,400.00	2019 SM Notes
FS985954-20-0	2020	9/8/20	$ 27,692,000.00	$ 5,538,400.00	2019 SM Notes
FS985954-21-0	2021	9/30/21	$ 27,666,000.00	$ 5,533,200.00	2021 SM Notes
FS985954-22-0	2022	9/29/22	$17,624,000.00	$ 3,524,800.00	2021 SM Notes
4D00E03246-0 (BIL Supplemental)	2022	9/30/2022	$45,251,000.00	$4,525,100.00[5]	2021 SM Notes
FS985954-21-1 (reallotted funds)	2021	9/1/23	$257,000.00	$ 51,400.00	2022 SM Notes

[5] BIL funding only required 10% match for 2022 and 2023

FS985954-23-0	2023	9/18/23	$11,151,000.00	$ 2,230,200.00	2022 SM Notes
4D01E03246-0 (BIL Supplemental)	2023	9/25/2023	$47,547,000.00	$4,754,700.005	2022 SM Notes
Total			**$ 796,619,400.22**	**$ 150,044,080.04**	

State Match Sources

Source	**Amount**
OWDA	13,214,600.00
2001 BAN	15,000,000.00
2002 SM Bonds	12,786,737.00
2004 SM Bonds	33,814,620.00
2010 SM Bonds	18,000,000.00
2014 SM Notes	11,000,000.00
2017 SM Notes	5,000,000.00
2018 SM Notes	5,000,000.00
2019 SM Notes	12,000,000.00
2021 SM Notes	12,000,000.00
2022 SM Notes	31,000,000.00
DSR Release - 6/11/2014	1,976,007.44
Interest Earned	2,486,814.71
Total	173,278,779.15

APPENDICES

Ohio Environmental Protection Agency

Appendix A

Drinking Water Assistance Fund

Local Assistance and Other State Programs

Capability Assurance Strategy Annual Report

Program Year 2024

Division of Drinking and Ground Waters

Drinking Water Assistance Fund

September 2024

Introduction

This Capability Assurance Strategy Annual Report was prepared by the Ohio Environmental Protection Agency (Ohio EPA), Division of Drinking and Ground Water (DDAGW), in fulfillment of the reporting requirements of the United States Environmental Protection Agency (U.S. EPA) *Guidance on Implementing the Capacity Development Provisions of the Safe Drinking Water Act Amendments of 1996* that requires:

Each year, as a stand-alone submittal or as part of the state's capitalization grant application, the state must provide documentation showing the ongoing implementation of the capacity development strategy.

The report follows the format specified in a memorandum from Cynthia Dougherty, Director, Office of Ground Water and Drinking Water, on June 1, 2005 regarding *"Reporting Criteria for Annual State Capacity Development Program Implementation Reports"*. This report is based on data for State Fiscal Year (PY) 2024 which covers the period July 1, 2023 through June 30, 2024.

This report also serves as a final report for the PY 24 Public Water System Supervision Workplan as detailed in Appendix H, of the PY 24 Drinking Water Assistance Fund Management and Intended Use Plan. Additional language in this report explains the activities for the 17.5 FTEs that were applied to the Public Water System Supervision set-aside. $1,115,100.00 was disbursed from the Local Assistance and Other State Programs set-aside account in PY 24.

New Public Water Systems

Ohio Revised Code Sections 6109.24 and 6109.22(M) and Ohio Administrative Code Chapter 3745-87 provide for Ohio's legal authority to implement the new systems program.

All new community and non-transient non-community public water systems must submit a written Asset Management Program prior to detail plan approval and start-up of the system.

Between July 1, 2021 and June 30, 2024, twenty-nine (29) non-transient non-community and six (6) community public water systems were activated. Table A-1 contains a list of the activated systems. The activated systems list was reviewed to determine which systems are truly new versus found. DDAGW determined three (3) systems to be found systems.

Existing Public Water Systems

Listed below are the programs, tools and activities utilized during PY 24 to assist existing public water systems in acquiring and maintaining technical, managerial and financial capacity.

- Continued use of a new sanitary survey process utilizing Asset Management Program questions and Asset Management Screening information.
- Compliance and Operational Review Meetings (CORMs).
- Continued use of the Ohio RCAP List as a proactive measure to assist small systems that lack financial or managerial capability.
- Sent email blasts, electronic phone messages and made calls to public water systems as reminders to complete required compliance monitoring.

- Utilized email to communicate information to public water systems and laboratories.
- Targeted systems on the enforcement priority list.
- Continued efforts on legislative changes to make appropriate requirements for demonstration of capability at community and non-transient non-community public water systems.
- Offered free technical, managerial and financial training to public water systems.

Who needs assistance and what type is needed?

Ohio continues to identify systems in need of capacity development assistance by using a multi-tiered approach.

✓ Track and enforce requirements through the ***sanitary survey process.***

✓ Identify systems needing managerial and/or financial assistance to achieve or maintain compliance through ***the Ohio RCAP list*** process.

✓ Identify systems needing capability improvements through the ***enforcement priority list*** compiled quarterly.

✓ Prioritize and improve existing system capacity by sending ***email blasts, electronic phone messages and phone calls*** to systems that are near the end of the monitoring period and have not monitored as required.

Ohio RCAP List

The Ohio RCAP list includes only community water systems serving 10,000 or less in population. Systems intended for this list are those that need financial, managerial and/or technical assistance to achieve or maintain compliance. A system that is placed on the Ohio RCAP list and receives the needed assistance may graduate to the PPL/IPL when it is ready to proceed with a project being funded through the Drinking Water State Revolving Fund. 106 small systems were placed on the Ohio RCAP List during PY 2024, 47 of those systems had a project on the PPL/IPL for PY 2024.

Enforcement

During PY 24, DDAGW continued our commitment to U.S. EPA to address or resolve systems with Enforcement Targeting Tool list (ETT) scores of 11 or greater. These systems were addressed/resolved bysystems returning to compliance, DDAGW completing an enforcement action with systems, correcting/updating our database, and by inactivating systems no longer in operation.

During PY 24, Ohio EPA proposed 190 sets of streamlined orders that resulted in 162 of the systems returning to compliance.

In addition to the ETT, USEPA's National Compliance Initiative (NCI) added 'Reducing Noncompliance with Drinking Water Standards at Community Water Systems' as a new initiative in PY 19. The goal of the

initiative is for the reduction of noncompliance in community water systems by 25 percent between FY18-FY22. Ohio has exceeded the goal based on current measures and will continue to work on these issues to maintain this achievement. These systems were addressed/resolved by returning to compliance, outreach/technical guidance, completing an enforcement action with the system, correcting/updating our database, and by inactivating systems no longer in operation.

Reminder Email and Phone Messages

Another measure Ohio has taken, to prioritize and improve existing system capacity, is sending reminder emails to systems, that are near the end of the monitoring period and have not monitored.

During PY 24:

- ✓ Approximately 7,127 total coliform bacteria reminder emails and phone messages were sent to systems, that had not monitored yet during the reporting period.
- ✓ Of the approximately 4,200 public water systems, approximately 3,819 systems completed their monitoring (91% of the systems).
- ✓ Approximately 5,200 chemical/radiological reminder emails and 2,828 phone messages were sent to all public water systems that had not yet completed monitoring.
- ✓ Of the approximately 4,200 public water systems, approximately 4,014 systems completed their monitoring (95% of the systems).

The benefit for capacity assurance is two-fold with the reminder emails and phone messages. First, it speaks specifically to the managerial capacity of the system. We are providing the systems with a specific tool to better manage their public water system. Second, if a system, that typically does not monitor, does monitor for the contaminant and a maximum contaminant level is exceeded, it gives Ohio EPA the ability to work with the system to improve the technical capacity of the system. These actions have increased the overall compliance of public water systems in Ohio.

Electronic service communication (ListServ)

An additional form of communication which encourages compliance and improves system capability is the ListServ (email) communication tool that the drinking water program is currently using. The 10 mailing lists being used by DDAGW are as follows:

- ➢ Operator certification with 2,423 subscribers
- ➢ Drinking water assistance fund with 4,800 subscribers
- ➢ Drinking water monitoring and compliance with 2,523 subscribers
- ➢ Drinking water rules update with 2,786 subscribers
- ➢ Underground injection control rules with 623 subscribers
- ➢ eDWR labs with 928 subscribers
- ➢ eDWR PWSs with 1,227 subscribers
- ➢ Spigot News electronic with 2,548 subscribers
- ➢ Harmful algal bloom updates with 538 subscribers
- ➢ Resiliency and water security with 1,037 subscribers

The mailing lists provide systems and laboratories with quick and timely updates on drinking water monitoring and compliance issues, federal and state drinking water rule making, operator certification information, and state revolving fund program information.

Local government, system management and operator training

Each year Ohio EPA DDAGW provides funding to Great Lakes Rural Community Assistance Program (Ohio RCAP) to present training courses as part of the Drinking Water Assistance Fund program goals and objectives. These one-day courses are free and targeted to board members, mayors, water system superintendents and operators and are as follows:

Utility Management for Local Officials training includes an overview of the three capacity components; managerial, technical and financial;

Financial Management for Local Officials training focuses on financial management, record keeping, andan overview of the theory asset management of a public water system;

Ohio RCAP continues to offer free online versions of *Utility Management for Local Officials and Financial Management for Local Officials* courses. These trainings are offered as webinars and self-paced online courses.

During PY 2024:

Ohio EPA also provided funding to Ohio Rural Water Association (ORWA) to provide additional trainings for water systems and operators. Ohio RCAP and ORWA conducted training sessions across the state and online. 35 training sessions were held statewide with over 800 people in attendance. See Appendix B (Table B-1 & C-1) for a list of trainings.

This type of outreach and education is important for our current existing water system strategy to educate existing systems and increase their capability.

Additional program activities

Continuing in PY 24, disadvantaged public water systems that receive principal forgiveness under the Water Supply Revolving Loan Account (WSRLA) were required to complete Ohio RCAP courses prior to loan award. The classes assist the water systems in utility and financial management and are available free of charge online or in a classroom setting.

Regionalization, including shared services, was prioritized again in PY 24 in selecting fundable projects and included up to 50 percent of project costs as principal forgiveness or $4 million whichever is less with the remaining costs eligible for a rate-based loan. For projects that do not qualify for regionalization principal forgiveness, 0 percent interest loans were available.

Ohio EPA continues to emphasize readiness to proceed in determining which systems are scored higher for principal forgiveness and low interest rates. For PY 24, readiness to proceed was evaluated for projects eligible to receive principal forgiveness, but not used to rank projects. We expect readiness to proceed to play a larger role for project ranking in the upcoming program years.

Due to climate change events and the unpredictable nature of power failures, Ohio EPA started offering grant opportunities for emergency generators at small community water systems in PY 18. Ohio EPA continues to offer grant funding through the emergency generator grant program. In PY 24, Ohio EPA provided grants to 37 systems for a total of $1,326,242.00

Ohio EPA DDAGW transitioned to a long-term electronic plan submission system in December 2022. All types of plans can be submitted through the ePlans system including detail plans, general plans, well site approvals and pilot studies. DDAGW is also able to share planning information with our Division of Environmental and Financial Assistance, through this system, for projects receiving funding through the State Revolving Fund.

Asset Management Programs (AMPs)

Over the past six years, Ohio EPA has implemented an asset management approach to ensuring technical, managerial and financial capability. The need for asset management was identified because of several reoccurring problems at public water systems throughout Ohio. Many of the common problems include aging infrastructure, deferred maintenance, lack of financial capability, high water loss, and inadequate maps of distribution piping and service areas. These issues often lead to water-use restrictions or water loss for extended periods of time for Ohioans. The intent of asset management is to provide public water systems with a tool to better manage, operate, and maintain their water system. This proven structured approach to the management of assets allows Ohio PWSs to better plan and minimize risk.

In 2017, Senate Bill (SB2) was introduced to the Ohio Legislature which proposed that all public water systems in Ohio must demonstrate technical, managerial, and financial capability by implementing an asset management program by October 1, 2018. With the passing of SB2, which revised Ohio Revised Code (ORC) 6109.24, Ohio EPA began early stakeholder outreach to ensure that stakeholders were brought into the rule process for early feedback before rule language was developed and throughout the process. Ohio EPA worked with a group of water systems representing the American Water WorksAssociation (AWWA) to refine the draft rules and get them implemented in the Ohio Administrative Code (OAC 3745-87). The OAC changes were effective November 8, 2018 and required all public water systems in Ohio to have an asset management program developed and implemented. However, on January 3, 2023, House Bill 364 amended Ohio Revised Code 6109.24 and removed the asset management program requirements for transient non-community public water systems. This change became effective in April 2023. Ohio EPA will continue to encourage asset management efforts at transient non-community public water systems through direct outreach during sanitary surveys, providing asset management program templates, and other best practices with developing an asset management program. Ohio's Capability Assurance strategy is being updated to reflect this change. The updated strategy will be submitted to U.S. EPA once complete.

In accordance with the Safe Drinking Water Act and federal/state rules and guidance, a system must be determined technically, managerially, and financially capable prior to loan award. Ohio EPA uses asset management to demonstrate capability. This evaluation includes an asset management screening to review the asset management program. The asset management screening evaluates compliance with Ohio Revised Code 6109.24, Ohio Administrative Code sections 3745-87 and 3745-92, and potential areas of deficiency that must be addressed in asset management programs. In all cases, financial capability must be demonstrated prior to loan award.

The screening tool is focused on the following areas for each PWS: governing body, operations and

maintenance, source water protection, water supply and demand, emergency preparedness, asset management, budgeting, rates, reserve accounts, water system policies, compliance and water loss. This includes developing a detailed structure for an acceptable asset management program and the ability to demonstrate the PWS can provide an adequate quantity and quality of drinking water that meets or exceeds standards and conforms to best management practices.

During PY 2024:

- 142 DWAF loans were awarded; and
- All these systems either had acceptable asset management programs or were on an acceptable schedule to be in compliance with the asset management rules (94 individual systems).

Strategy Implementation and Modification

Ohio's Capability Assurance Program is designed to help public water systems improve their technical, managerial, and financial capabilities so that they can provide safe drinking water consistently, reliably and cost effectively to Ohioans. By working with systems to enhance these areas of capacity, Ohio can promote sustainable public water systems, greater long-term compliance with national primary drinking water regulations, and public health protection for the citizens of Ohio.

Ohio's approach to ensuring all systems have technical, financial, and managerial capability is by requiring all community and non-transient non-community public water systems, and encouraging transient non-community public water systems, to implement an asset management program.

Primary objectives in Ohio's capability strategy

1. Assist public water systems in complying with National Primary Drinking Water Standards.
2. Encourage the development of partnerships between public water systems to enhance the technical, managerial, and financial capacity of the systems.
3. Assist public water systems in the training and certification of operators.
4. Assist systems vulnerable to emerging contaminants.
5. Assist systems in protecting source waters.
6. Assist systems in contingency planning.

Priorities – Ohio prioritizes its efforts to public water systems most in need of improving capability

1. Ohio Administrative Code Chapter 3745-87 provides Ohio's legal authority to require all community and non-transient non-community public water systems in Ohio to implement an asset management program starting October 1, 2018.

2. Require and review written asset management programs for new systems, existing systems during the sanitary survey process, and Water Supply Revolving Loan Account applicants.
3. Work with systems in enforcement to ensure they have implemented a written asset management program.
4. Work with systems that have experienced issues in responding and/or recovering from emergencies to improve their capability through asset management planning.

New Systems

All new community and non-transient non-community systems must have a written asset management program prior to detail plan approval and start-up of the system. Ohio EPA activated eleven non-transient non-community systems and three community water system in PY 24.

Existing Systems

With the implementation of the asset management rules, Ohio EPA includes sanitary survey questions that address the system's asset management program. A sanitary survey is an on-site review of a public water system's water source, facilities, equipment, operations and maintenance. They are designed to identify conditions that may present a sanitary or public health risk. A sanitary survey helps to identify systems that may require technical, managerial or financial capacity development. This furthers the ability of an inspector to assess capability of a water system by ensuring they have developed and implemented an asset management program.

This allows for a structured continual evaluation of PWS capability and asset management program implementation. Community systems undergo a sanitary survey every three years and non-community water systems undergo a sanitary survey every five years.

Water Supply Revolving Loan Account (WSRLA)

All public water systems that receive WSRLA funding are required to demonstrate they have an acceptable asset management program. This is determined by doing an asset management screening.

Funds continue to be offered to help in the development of asset management programs. To date over 65 communities in Ohio have received, or are in the process of receiving, WSRLA loan funding to help fund asset management efforts. Systems can currently obtain a 0% planning loan to develop their asset management program.

Enforcement

Ohio reviews the Enforcement Targeting Tool (ETT) list and enforcement priority list is reviewed on a continuous basis to determine if systems need further technical, managerial, and financial assistance or a more in-depth screening of their asset management program.

With the formation of the asset management rules, capability specific items are now included in enforcement case discussions and deficient asset management programs can now be cited, allowing Ohio EPA staff to work towards greater capacity during all enforcement cases.

Systems listed on the enforcement priority list can benefit from technical assistance provided by Ohio RCAP and Ohio Rural Water Association (ORWA).

Identifying Capability Issues

When a PWS experiences a failure, Ohio EPA works closely to help minimize and prevent future impacts to Ohioans. Oftentimes failures are preventable and the response to an emergency can be planned by implementing an adequate asset management program. For example, a system did not have the required up to date maps and had a large main break that depressurized the entire distribution system. They could not find the leak (no leak detection capabilities) and could not find the appropriate valves to isolate the leak. The system was depressurized for an extended period of time and had issues providing enough bottled water for the citizens consumption needs. This was a small system with few resources, antiquated infrastructure, and very limited financial capacity. Recovery from this event continued to be a burden on this community for quite some time.

Ohio EPA continues to work with systems that have an inadequate asset management program through issues identified in a sanitary survey or other screening opportunities by offering assistance from internal staff or our technical assistance partners.

Baseline and Measuring Capability Assurance Improvements

Ohio EPA measures capability assurance improvements in a variety of ways to enable a holistic approach to asset management across the state. Ohio EPA is continuing efforts to establish and measure enforcement actions and compliance information related to asset management and asset management screenings required by sanitary survey visits.

Ohio's asset management program requires reporting of annual metrics. Metrics are performance measures that allow public water systems to gauge the status of their PWS and to set goals for their metrics in order to improve operations and reduce costs over time. Ohio continues efforts to create a dashboard using reported metrics information to show changes and trends over time for several different parameters including water loss, distribution waterline breaks, and operating ratios. Metrics forms were updated in 2023 to allow for more accurate reporting of data. With the new forms and better data, a dashboard update should be available with the next annual report.

No WSRLA applicants have been denied loans due to asset management related issues, as the water system can be awarded a loan as long as they have an acceptable asset management program or are on an approved schedule to complete or update one.

No new water systems have been denied plan approval due to lack of asset management. Ohio EPA works diligently with any water system that is not in compliance with the asset management rules to ensure they can move forward with necessary infrastructure projects, including new water systems coming online.

More information and updates on tracking will be available in Ohio's next annual report.

Resiliency and Climate Change Adaptation

Ohio EPA has continued to provide public water systems and operators information regarding system resiliency and climate change adaptation. There are many ways Ohio EPA ensures public water systems and professional operators are up-to-date on resiliency and climate change:

1. The operator certification unit provides continuing education credit for climate resiliency course material.
2. Ohio EPA works with utilities to reduce water loss thereby improving energy efficiency and reduction of resources required to treat water. To further expand water loss reduction efforts in Ohio, DDAGW is offering water audit and water loss control program grants in PY 25. More information on the grants can be found in the 'Moving Forward' section of this report.
3. Contingency plans and emergency planning efforts are required for community and non-transient non-community water systems which address several climate related circumstances.
4. Ohio EPA updated the Emergency Preparedness and Security website to include information on mutual aid partnerships, planning for emergencies, and hazard mitigation.
5. Ohio EPA's asset management program allows for a better understanding of financials and equipment replacement, thereby reducing future operating costs. The program also allows for a holistic approach to utility management from planning to execution and funding of necessary projects.
6. To aid water systems with infrastructure improvements, Ohio EPA provides multiple funding avenues and technical assistance opportunities.
7. Ohio's 'H2Ohio' program provides funding for reduction in harmful algal blooms and distribution system improvements. The H2Ohio program has also provided funding to 370 water systems totaling more than $3 million for distribution equipment such as valve exercisers, leak detection and meter accuracy testing equipment. This helps water systems improve their technical capacity by allowing them to be proactive when implementing their valve exercise programs, giving them the ability to track water leaks within the water distribution system and to be better prepared to respond to emergencies.
8. As mentioned previously in this report, Ohio EPA started offering grant opportunities for emergency generators at small community water systems in PY 18. Ohio EPA continues to offer grant funding through the emergency generator grant program and has made this grant available for both water treatment and distribution system facilities. In PY 24, Ohio EPA provided grants to 37 systems for a total of $1,326,242.00

Moving Forward

- Source Water – Ohio EPA funded grants for source water protection to support the implementation of specific and measurable protective strategies to help protect source water. Grants with a maximum of $20,000 were offered to ground water community systems with a high susceptibility serving less than 50,000 people. Depending on the type of selected protective strategies, this grant provides PWSs with the opportunity to mitigate risks associated with climate change related to their source water. Ohio EPA encouraged those systems with sources that may be impacted by climate change issues to apply. Ohio EPA will offer source water protection grants again in the upcoming program year and expand eligibility to small surface water programs. Due to timing of awards, both PY 24 and PY 25 will likely be disbursed in PY 25.

- Source Water – Ohio EPA will continue to offer well abandonment grants with a maximum of $15,000 available to PWSs to properly abandon former public water system wells. Due to timing of awards, both PY 24 and PY 25 will be likely be disbursed in PY 25.

- Lead and Copper – Ohio EPA continues to progress with the service line inventory assistance program to help systems comply with the Lead and Copper Rule Revision (LCRR). Professional consulting services have been contracted to assist community and non-transient non-community water systems with developing lead service line inventory and replacement plans. Types of assistance provided will include training and outreach related to service line requirements, best practices, and reporting requirements, developing a lead service line inventory, and developing a lead service line replacement plan. This grant program is utilizing funds from PY 23, PY 24 and PY 25.

- Asset Management – Ohio EPA offered grants to assist eligible public water systems with completing, updating and/or implementing their asset management program. Eligible activities under the grant include activities related updating the asset management program to comply with OAC 3745-87. Ohio EPA intends on utilizing $500,000 to offer $15,000 dollar grants per applicant. This grant program is a carryover from PY 23. Awards were made to systems for this program in July 2024 and disbursements will be made in PY 25.

- Asset Management – In PY 21, Ohio EPA started to receive Asset Management Program metrics for all PWSs. Ohio EPA reviews metrics to look at trends overtime. Metrics can be used to help gauge the effectiveness of the Asset Management Program and help identify areas to concentrate resources. In PY 23, Ohio EPA changed the metrics submittal process to a more usable format to ensure consistency and improve ability to use data for trend analysis moving forward. PY 24 data is improving, and we are working toward a dashboard to aid with trend analysis.

- Asset Management – Ohio EPA will offer water audit and water loss control program grants in PY 25 with a maximum of $15,000 available 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.

- Metering – Ohio EPA continues to encourage water systems to maintain functional water meters on all service connections and bill accordingly.

Assistance to Public Water Systems with Compliance Needs

With the support of PWSS funds from the PY 24 Program Management and Intended Use Plan, DDAGW has responded to USEPA's Enforcement Targeting Tool (ETT) lists and completed CEPS in accordance with the deadlines set by USEPA and the Ohio EPA Compliance Through Assurance Strategy. During PY 24, DDAGW continued our commitment to U.S. EPA to address or resolve systems with ETT scores of 11 or greater.Systems were addressed/resolved by returning to compliance, completing an enforcement action, correcting/updating our database, or by inactivating systems no longer in operation.

To prevent systems from obtaining ETT scores of 11 or greater, DDAGW conducts limited scope site visits and makes phone calls when systems have an ETT score of 8 to 10. And through early enforcement actions, such as streamlined orders for major nitrate and total coliform monitoring violations, DDAGW can identify small systems struggling with compliance and provide early assistance through phone calls and site visits to prevent additional violations.

In PY 19, USEPA added 'Reducing Noncompliance with Drinking Water Standards at Community Water Systems' as a new initiative under the National Compliance Initiative (NCI). The goal is for Ohio to meet a 25 percent reduction of community systems that are out of compliance with health-based standards from FY 18 to FY 22. Ohio is currently surpassing this goal and will continue to work so this achievement is maintained moving forward. These systems were addressed by compliance assistance/outreach from DDAGW, completing an enforcement action, correcting/updating our database, and/or by inactivating systems no longer in operation.

Ohio has continued to develop and implement enforcement initiatives to address and/or prevent violations.

Ohio instituted a regular process for addressing violations for failure to have an operator by issuing notices of violations and enforcement actions. Ohio also began assessing penalties of at least $150 for each major total coliform or nitrate monitoring violation beginning January 1, 2016. These programs aid in bringing operators and public water systems back into compliance before reaching ETT score of 11 or greater.

Ohio EPA continues to use the asset management screening tool in the enforcement program. Systems which appear to be having significant compliance issues will be screened and any deficiencies identified by the screening tool will be required to be addressed.

Harmful Algal Bloom Program

Primary activities included the following:

- Implemented Ohio's Harmful Algal Bloom (HAB) rules and ensured that monitoring requirements were communicated to PWS's.
- Evaluated cyanobacteria gene detections and coordinated with water systems on follow up actions.
- Performed, or assisted with, follow up sampling for saxitoxin and anatoxin-a results.
- Provided technical assistance to public water systems using surface water on HAB related monitoring and compliance requirements, in accordance with the HAB rules and HAB PWS Response strategy.
- Coordinated with Ohio Department of Higher Education on reviewing HAB associated grant proposals for drinking water related research.
- Reviewed and evaluated raw water or finished water cyanotoxin sample results collected by Ohio EPA, public water systems, or other entities.
- Coordinate and distribute bloom reports to agency partners statewide.
- Weekly HAB updates (during the HAB season).
- Weekly satellite imagery analysis of bloom coverage on inland lakes to evaluate potential risks.

Conclusion

As shown by the activities mentioned in this report, Ohio continues to take a proactive stance in assuring system capability. By working with technical assistance providers, new systems, systems receiving a DWAF loan and existing systems having capability related issues, Ohio EPA has demonstrated improvements in overall system capability.

Table A-1.
Activated Community and Non-Transient Public Water Systems from July 1, 2021 to June 30, 2024

PWS ID	NAME	COUNTY	PRIMARY SOURCE	SYSTEM TYPE	DISTRICT	ETT SCORE
OH2860112	16490 SPRUCE PROPERTIES, LLC	GEAUGA	GW	NTNC	NEDO	0
OH8564728	BUILT-RITE BOX & CRATE	WAYNE	GW	NTNC	NEDO	0
OH3139918	CINCINNATI VA MEDICAL CENTER	HAMILTON	SWP	NTNC	SWDO	0
OH1253214	CLARK-SHAWNEE LOCAL PK-6 SCHOOL PWS	CLARK	GW	NTNC	SWDO	0
OH1248612	CREATIVE LEARNING WORKS	CLARK	GW	NTNC	SWDO	0
OH2637915	DELTA VILLAGE - FULTON COUNTY	FULTON	SWP	NTNC	NWDO	0
OH7799967	DWS MANTEL PROPERTIES LLC PWS	SUMMIT	GW	NTNC	NEDO	0
OH1244812	EVANS FAMILY RANCH CAMP	CLARK	GW	NTNC	SWDO	4

OH2438714	FAYETTE CO-LAKEWOOD HILLS SUBDIVISION	FAYETTE	SWP	C	CDO	0
OH8564727	GERBER WOOD PRODUCTS	WAYNE	GW	NTNC	NEDO	0
OH1950623	GOLDEN HERITAGE EGG FARM	DARKE	GW	NTNC	SWDO	0
OH6777512	HARRISON MACHINE & PLASTIC CORP	PORTAGE	GW	NTNC	NEDO	0
OH0346121	HILLSDALE SCHOOL PK-12	ASHLAND	GW	NTNC	NWDO	0
OH5260915	HINCKLEY ELEMENTARY SCHOOL NEW PWS	MEDINA	GW	NTNC	NEDO	0
OH5235612	HINCKLEY PREPARATORY ACADEMY	MEDINA	GW	NTNC	NEDO	0
OH8841614	KALMBACH FEEDS - REK ASSOCIATES	WYANDOT	GW	NTNC	NWDO	0
OH2958717	KETTERING HEALTH GREENE MEMORIAL	GREENE	GWP	NTNC	SWDO	0
OH5750626	KETTERING HEALTH MAIN CAMPUS	MONTGOMERY	SWP	NTNC	SWDO	0
OH5750628	KETTERING HEALTH MIAMISBURG	MONTGOMERY	GWP	NTNC	SWDO	0
OH2958716	KETTERING HEALTH SOIN MEDICAL CENTER	GREENE	GWP	NTNC	SWDO	0
OH5750627	KETTERING HEALTH WASHINGTON TWP	MONTGOMERY	SWP	NTNC	SWDO	0
OH2570736	MONTEREY CARE CENTER	FRANKLIN	SWP	C	CDO	2
OH6431712	MT. PERRY FOODS 5705 LLC	PERRY	GW	NTNC	SEDO	0
OH3946916	NORTHERN OHIO RURAL WATER - CAMP ROAD	HURON	SWP	C	NWDO	0
OH1137117	OLD SOULS FARM	CHAMPAIGN	GW	NTNC	SWDO	0
OH1638916	PEARL VALLEY CHEESE, INC	COSHOCTON	GW	NTNC	SEDO	0
*OH4737516	PINE RIDGE MHP	LORAIN	SWP	C	NEDO	0
*OH8753216	RUDOLPH - LIBBE	WOOD	GW	NTNC	NWDO	0
OH6434914	SOUTHERN PERRY CO-MAINESVILLE	PERRY	GWP	C	SEDO	0
OH3139923	TRIHEALTH GOOD SAMARITAN HOSPITAL	HAMILTON	SWP	NTNC	SWDO	0
OH4567627	TSO PWS	LICKING	GW	NTNC	CDO	0
OH3139922	UC HEALTH RIDGEWAY TOWER	HAMILTON	SWP	NTNC	SWDO	0
OH4001912	WELLSTON CITY PWS	JACKSON	SW	C	SEDO	3
*OH7799949	WESTERN RESERVE HOSPITAL PWS	SUMMIT	GWP	NTNC	NEDO	0
OH8564725	WESTLAKE ROYAL STONE, LLC - WAYNE CO	WAYNE	GW	NTNC	NEDO	0

Thirty-two systems listed above were new systems, while three were documented to be found systems. Found systems are noted with an asterisk.

Ohio Environmental Protection Agency

Appendix B

Drinking Water Assistance Fund

Small System Technical Assistance Set-Aside Annual Report

Program Year 2024

Division of Drinking and Ground Waters
Drinking Water Assistance Fund
September 2024

Introduction

The Safe Drinking Water Act, section 1452 requires that states submit an annual report to U.S. EPA's regional administrator on the state's activities that receive funding under this section. This Small System Technical Assistance Set-Aside Annual Report is being submitted in compliance with this requirement.

Ohio EPA administered a Small Systems Technical Assistance Program utilizing two assistance providers during program year (PY) 2024, Great Lakes Rural Community Assistance Program (Ohio RCAP) and Ohio Rural Water Association (ORWA) were under agreement to provide small system managerial and financial assistance.

Funding

During PY 2024 Ohio EPA used funds available from the FFY 2022 and FFY 2023 Supplemental technical assistance grant set-aside, (grant account numbers FS985954-22, 4D00E03246, and 4D01E03246).

The technical assistance agreement with Ohio RCAP was in effect from July 1, 2023 through June 30, 2024 and funded with a grant in the amount of $950,000.00. During PY 2024, $825,881.41 was disbursed by Ohio Water Development Authority (OWDA).

The technical assistance agreement with ORWA was in effect from July 1, 2023 through June 30, 2024 and funded with a grant in the amount of $77,450.00. During PY 2024, $99,356.31 was used for training and technical assistance. The overage for the amount spent is due to a rollover from the prior year's agreement with ORWA that was carried forward. Grant award breakdown is provided in Table B-1.

Table B-1. Small Systems Technical Assistance Grant Information

Small Systems Technical Assistance *July 1, 2023 through June 30, 2024*	**Award Amount**	**Amount Disbursed for PY 2024**	**Technical Assistance Provider**
Grant Award Number			
4D-00E03246 22DE Supplemental 2022	$905,020.00	$658,558.57	RCAP/Great Lakes Community
4D-01E03246 23DE Supplemental 2023	$950,940.00	$167,322.84	RCAP/Great Lakes Community
FS985954-22 22DE	$352,480.00	$99,356.31	Ohio Rural Water Association

Full Time Equivalents (FTEs)

In PY 2024, Ohio RCAP allocated 6.75 FTEs to fund the activities related to technical assistance and training to Ohio public water systems serving populations of 10,000 or fewer.

In PY 2024, ORWA allocated 0.75 FTEs to fund the activities related to technical assistance and training to Ohio public water systems serving populations of 10,000 or fewer.

Goals and Objectives

The goals and objectives for the Drinking Water State Revolving Fund (DWSRF) Small System Technical Assistance program for PY 2024 were:

Goals

1. Maximize below-market rate loans to eligible public water systems to fund improvements to eliminate public health threats and ensure compliance with federal and state drinking water laws and regulations.

2. Target technical assistance to public water systems serving 10,000 or fewer people with a technical assistance program provided by funds from the technical assistance set-aside account.

3. Improve the types and quantity of small and disadvantaged community assistance to reduce the financial impact of capital improvement projects on smaller systems and systems serving less affluent populations.

4. Promote the development of the technical, managerial, and financial capability of public water systems to maintain compliance with the state and federal Safe Drinking Water Act (SWDA) requirements, and Ohio's Capacity Assurance Program.

5. Fund the construction of extensions of public water systems, or if extensions are not economically feasible, the construction of new public water systems to address pockets of contaminated private water systems.

6. Encourage the consolidation and/or regionalization of small public water systems to allow them to take advantage of the economies of scale available to larger water systems.

Objectives

1. Assist small systems on the Intended Project List, Project Priority List and the Great Lakes RCAP List to increase financial, managerial and system technical capabilities.

2. Assist small systems with the preparation of applications for the Drinking Water State Revolving Loan Fund (DWSRF) including determining the ability to repay and meeting state and other crosscutting requirements.

3. Assist small systems with project planning and determining the most cost-effective option for a public water supply to access safe drinking water, i.e. line extension from another community, restructuring, regionalization, retailer of water from another source, etc.

4. Assist small systems with project development and/or readiness to proceed issues for funding by providing information and/or short course training that includes but is not limited to; hiring an engineer, developing project schedules, obtaining cost estimates, completing data collection for project (population impacted, median household income levels), defining the need and obtaining supporting documentation, description of the proposed project, project alternatives considered and why rejected.

5. Assist small systems with locating and procuring sources of funding in addition to the DWSRF. RCAP

will coordinate financing packages with the following sources, including but not limited to: The Ohio Department of Development's Community Development Block Grant program, The Ohio Water Development Authority, Ohio's Appalachian Regional Commission Grants program, Ohio's Department of Development Local Government Initiative Fund, The United States Department of Agriculture Rural Development program and RCAP's Community Loan Fund program for water infrastructure development.

6. Assist small systems applying for a WSRLA loan, and new and existing community and non-transient non-community water systems, in the development and/or completion of the technical, managerial and financial components of the asset management program.

7. Assist small systems in increasing managerial and financial capability of their PWS. This will include issues relating to utility planning, identifying both direct and indirect operation and maintenance costs, developing budgets, cost recovery, types of financing resources, financial plan development, and marketing utility products and services to customers. This includes systems that are not on the PPL, RCAP List and Intensive TA List, but are referred for RCAP or ORWA TA from Ohio EPA or direct TA request from communities that have identified needs.

8. Provide training seminars for small systems which include utility board training, financial management, asset management and budget and rate setting. Training will consist of classroom training and webinar training.

9. Provide monitoring assessment and outreach services for the online training sessions on *Utility Management for Local Officials* and *Financial Management for Local Officials*, which includes identifying who the governing board is for a system who is required to take the course, obtaining a roster list along with term limits of that body, track who has completed the courses and notify OEPA when the system has fulfilled the training requirement.

10. Provide assistance to communities identified by Ohio EPA that need intensive technical assistance (ITA); this assistance will be in the form of RCAP's Team Approach which will assist communities that are lacking in capacity or are in violation status and need help to move them toward capacity and compliance status.

11. Provide technical assistance to communities on the RCAP Referral List and to those who request additional assistance as the result of training activities. The short course manual entitled "The Art and Science of Utility Rate Analysis and Structure" will be provided to communities who need additional assistance with rate setting. A short course slide presentation on rate setting will be provided to community decision makers who cannot find time to attend our 6-hour time course on this topic. Likewise, a similar short course slide presentation has been developed for asset management.

Summary of Technical Assistance Program Accomplishments

Ohio Rural Community Assistance Program

Ohio RCAP provided services under the Drinking Water Technical Services Set-Aside during PY 2024. Their services are offered to public water systems with 10,000 population or fewer. Attachment B-2 contains information about Ohio RCAP training for the program year.

The PY 2024 objectives for Ohio RCAP were as follows:

Objective 1
Assist small systems on the Intended Project List, Project Priority List and the Great Lakes RCAP List to increase financial, managerial and system technical capabilities

During PY 2024, Ohio RCAP assisted 106 systems on the Intended Project Priority List and the RCAP List.

Objective 2
Assist small systems with DWSRF applications and crosscutting requirements

Planning/Design Loan Applications:	9
Construction Loan Applications:	17
Other Funder's Applications:	62
Determined Cheapest Access to safe Drinking Water:	45
Capacity Development and Asset Management Requirements:	61
Readiness to Proceed Issues:	82

Objective 3
Assist systems with determination of the most cost-effective option for a Public Water Supply to access safe drinking water

Assist small systems with project development and/or readiness to proceed issues for funding by providing information and/or short course training that includes but is not limited to; hiring an engineer, developing project schedules, obtaining cost estimates, completing data collection for project (population impacted, median household income levels), defining the need and obtaining supporting documentation, description of the proposed project, project alternatives considered and why rejected. 45 systems were assisted.

Objective 4
Assist systems with readiness to proceed issues

Assist small systems with locating and procuring sources of funding in addition to the DWSRF. RCAP will coordinate financing packages with the following sources, including but not limited to: The Ohio Department of Development's Community Development Block Grant program, The Ohio Water Development Authority, Ohio's Appalachian Regional Commission Grants program, Ohio's Department of Development Local Government Initiative Fund, The United States Department of Agriculture Rural Development program and RCAP's Community Loan Fund program for water infrastructure development. 82 systems were assisted.

Objective 5
Assist systems with locating and procuring sources of funding in addition to the DWSRF

Ohio RCAP coordinates financing packages for systems using The Ohio Department of Development's Community Development Block Grant program, The Ohio Water Development Authority, Ohio's Appalachian Regional Commission Grants program, Ohio's Department of Development Local Government Initiative Fund, The United States Department of Agriculture Rural Development program and RCAP's

Community Loan Fund program for water infrastructure development. 62 systems were assisted during PY 2024.

Objective 6
Assist systems in the development and/or completion of all components of the asset management program

During PY 2024, RCAP provided assistance to those communities participating in the WSRLA loan program by developing and updating the Asset Management Plans (AMPs) for those communities that were deficient. RCAP also identified communities to participate in their special project, 'RCAP Asset Management Coaching Cohort'. Participating communities have been fully training in asset management plan creation and prepared for continued updates.

Objective 7
Assist in increasing managerial and financial capability of small systems.

In addition to assisting community's complete capability assurance documentation, 61 systems were assisted with planning and studies to increase managerial and financial capability of the system.

Objective 8
Assist systems by sponsoring training seminars for small systems utility board training, financial management, asset management and budget and rate setting training

Ohio RCAP continued their emphasis on providing training courses to water boards and system operators. To this end, Ohio RCAP held 24 training sessions throughout the state in which 799 individuals attended representing 538 systems. RCAP training information is provided in Table B-2.

Table B-2. Classroom and Webinar Training

Date	Location	Course	Participants	Systems
08/08/23	Onsite	Rate Setting	12	1
08/28/23	Onsite	Rate Setting	8	1
09/14/23	Webinar	Basic Math for Operators	68	50
09/28/23	Webinar	Advanced Math for Operators	47	28
10/10/23	Webinar	Basics of Pressure Management	52	32
10/24/23	Webinar	Guiding & Funding your Utility's Future: Part 1 – Planning for Your System's Future	29	22
10/25/23	Webinar	Guiding & Funding Your Utility's Future: Part 2 –	29	22

		Capital Improvement Plans		
10/31/23	Webinar	Guiding & Funding Your Utility's Future: Part 3 – Planning, Life Cycle Cost and Present Worth	30	22
11/14/23	Webinar	Lead & Copper Compliance Part 1	48	34
11/14/23	Webinar	Lead & Copper Compliance Part 2	37	25
12/07/23	Webinar	Regionalization: Running the Numbers	30	17
02/28/24	Virtual	Fundamental Mathematics for Operators Part 1	42	39
03/13/24	Virtual	Fundamental Mathematics for Operators Part 2	50	39
03/21/24	Delaware	Writing and Implementing SOPs	4	2
05/08/24	Virtual	Pressure Management for Water Loss Control	57	42
05/14/24	Marietta	11 Utility Management for Local Officials	23	10
05/15/24	Marietta	201 Financial Management for Local Officials	27	12
05/16/24	Virtual	Managing the Construction Process: Pre-Construction	17	9
05/22/24	Mt. Vernon	Shared Services & Regional Solutions	4	4
06/04/24	Virtual	Distribution Math for Operators	50	37
06/05/24	Virtual	Treatment Math for Operators	48	36
06/06/24	Delaware	Contingency Planning Workshop	9	6
06/11/24	Mt. Sterling	Field Day	48	27
06/13/24	Virtual	Update Your	30	21

		Contingency Plan		
		Total	799	538

Objective 9:
Provide monitoring assessment and outreach services for the online training sessions
Metrics for monitoring assessment and outreach services are listed below: Total systems trained online – 51
Total attendees trained online – 118
Total systems trained online for Utility Management – 26
Total attendees trained online for Utility Management – 61
Total systems trained online for Financial Management – 25
Total attendees trained online for Financial Management – 57

Objective 10:
Assist communities identified by Ohio EPA that need intensive technical assistance

During PY 2024, Ohio RCAP provided intensive technical assistance to the following:

Community - **Village of Donnelsville**

Benchmarks accomplished - assisted with QBS of consulting engineer; facilitated completion of preliminary engineering report; completed Ohio EPA nomination form.

Next steps - work with Clark County and village to develop intergovernmental agreement; assist Clark County with RFQ for engineering design and construction services; assist with project development; assist with acquiring financing. Intensive Technical Assistance will continue in 2024 - 2025.

Community - **Village of Holloway**

Benchmarks accomplished - developed backflow ordinance; completed site sampling plan; completed capital improvements plan; completed valve exercising plan; completed hydrant flushing plan; completed WTP equipment condition and criticality assessment; completed contingency plan; assisted with resolving plan approval issue for filter media; completed asset management plan; assisted with CCR for 2022; developed various SOPs.

Next steps - this project will be removed from Intensive Technical Assistance and further assistance will continue under regular Ohio EPA technical assistance.

Community - **Village of Kingston**

Benchmarks accomplished - completed Ohio EPA nomination form.

Next steps - complete GIS mapping; assist with asset management issues; provide leak detection training; assist with acquiring financing for control valve station. Intensive Technical Assistance will continue in 2024 - 2025

Community - **Village of Mt. Sterling**

Benchmarks accomplished - completed GIS map of distribution system; completed critical valve identification; conducted valve exercising for entire distribution system; conducted Utility Management for Local Officials training for council; secured design and construction financing for water tower replacement; completed valve exercising plan and valve exercising report; completed unidirectional hydrant flushing plan; conducted village - wide unidirectional hydrant flushing; conducted water leak detection.

Next steps - assist village with completing water tank replacement project. This project will be removed from Intensive Technical Assistance and further assistance will continue under regular Ohio EPA technical assistance.

Community - **York Township Water Authority**

Benchmarks accomplished - completed Ohio EPA nomination; conducted water audit; completed financial analysis.

Next steps - assist with design loan administration; continue meeting with water systems regarding
regionalization. Intensive Technical Assistance will continue in 2024 - 2025.

Objective 11:
Provide technical assistance to communities on the RCAP Referral List

Number of communities assisted - 30

Ohio Rural Water Association

ORWA provided services under the Drinking Water Technical Services Set-Aside during PY 2024. Their services are offered to public water systems with 10,000 population or fewer.

The PY 2024 objectives for ORWA were as follows:

Objective 1 (Objective 7 on general list)
Assist in increasing managerial and financial capability of small systems

ORWA provided technical assistance on water rate studies to Kettlersville, Payne, Zaleski, Roaming Shores, and Orrville. ORWA provided technical assistance via on-site consultation with South Amherst, Arlington, Zaleski, Vinton County, Apple Creek, Tuscarawas, and Kelleys Island. Additional general assistance was provided for new operator training and operational optimization consultation to several systems. 13 systems were assisted.

Objective 2 (Objective 8 on general list)
Assist systems by sponsoring training seminars for small systems utility board training, financial management, asset management and budget and rate setting training

ORWA completed in-person training classes on a variety of topics including pipe materials, valve exercising, leak detection, and water operator training. Web-based courses included topics on water operator training and the safe drinking water act. ORWA plans to offer additional trainings during the upcoming program year. ORWA training information is provided in Table B-3.

Table B-3. Classroom and Webinar Training

Date	Location	Course
July 2023	Webinar	Water Operator Certification Exam Prep
July 2023	Webinar	Understanding the Safe Drinking Water Act
August 2023	Zanesville	Ductile Iron Pipe for Water Utilities
August 2023	Gallipolis	Adding Valve Exercising to Normal System Maintenance
September 2023	Utica	Leak Detection and Line Locating for Water and Wastewater Utilities: History, Equipment and Theory
October 2023	Webinar	Water Operator Certification Training
November 2023	Ironton	Water Operator Certification Training
December 2023	Webinar	Water Operator Certification Training
December 2023	Webinar	Water Operator Certification Exam Prep
January 2024	Webinar	Water Operator Certification Training
June 2024	Powhatan Point	Water Operator Certification Exam Prep

Conclusion

During PY 2024, Ohio EPA and our technical assistance providers helped many small systems through training, in-person, and virtual meetings. Ohio RCAP aided 31 systems in obtaining loan awards and grant funds. RCAP's assistance to small systems totaled $60,465,289 of leveraged funds. ORWA provided small rural systems technical assistance to optimize operations and training for Ohio's water operators. By meeting our goals and objectives, we continue to provide Ohio's small systems with the technical, managerial, and financial assistance they need.

Ohio Environmental Protection Agency

Appendix C

Drinking Water Assistance Fund

Source Water Assessment and Protection Annual Report

Program Year 2024

Division of Drinking and Ground Waters
Drinking Water Assistance Fund
September 2024

Ohio EPA utilized a portion of the Local Assistance and Other State Programs set-aside to fund source water assessment and protection activities specified in the Drinking Water Assistance Fund Program Management Plan (DWAF PMP) for Program Year (PY) 2024. These funds were used to complete source water assessment and protection activities for public water systems; assist communities developing source water protection plans; conduct source water protection education and outreach; provide technical assistance; and manage general administrative and support information. This report summarizes the annual expenditures, goals and objectives of the Source Water Assessment and Protection (SWAP) Program and program accomplishments by activity.

During PY 2024, the program focused on implementing its three-year strategic plan. Program staff focused on updating guidance and procedures, better integrating source water protection into other environmental programs or initiatives and increasing coordination within the Division.

Program staff continued to complete new and revise out-of-date source water assessment reports, promote protective strategies, and provide direct technical assistance to public water system officials. SWAP staff have primary responsibility for preliminary well site assessments and well site visits. Staff also conducted site visits related to source water assessments.

Program staff continued to meet with Clean Water Act program staff throughout PY 2024 to coordinate activities to achieve our shared goal of improved water quality. During PY 2024, meetings included staff from the Total Maximum Daily Load (TMDL) and Non-Point Source Programs. Additional coordination and integration activities included participating on the Source Water Protection Committee of the Ohio Section of the American Water Works Association.

During PY 2024, staff continued to work on updating operational procedures to account for staffing changes, reorganization, software modifications, and outdated references.

A. *Expenditures*

Ohio EPA used approximately 9.9 full time equivalent staff to support implementation of the SWAP activities specified in identified in Ohio's DW SRF Intended Use Plan for PY 2024.

B. Goals and Objectives

The goals and objectives for the Source Water Assessment and Protection Program for PY 2024 were as follows:

1. Complete source water assessments for new public water systems and update source water assessments for existing systems as requested.
2. Encourage and provide direct technical assistance to public water systems with development and implementation of source water protection plans.
3. Coordinate with other environmental programs to include source water protection in their siting and outreach activities.
4. Conduct public outreach and education.
5. Provide general program support activities for staff including the following: time accounting and budgeting, planning, personnel management, computer programming, network support, GIS management and data acquisition, data management, information tracking, staff training, federal reporting, etc.

C. Overview of Program Accomplishments

Program staff continued to complete new and revise out-of-date source water assessment reports, promote protective strategies, and provide direct technical assistance to public water system officials.

During PY 2024, 146 source water assessment reports were completed. Of these, 46 were for new wells or wellfields and 100 were revisions of earlier source water assessment reports due to new wells at existing wellfields, changed pumping rates, and other types of changes that warranted a revision of the earlier report. Because the majority of Ohio SWAP reports are over 20 years old, SWAP staff developed goals to begin updating source water assessment reports statewide in the third quarter of 2024. These goals are based on a set of prioritization criteria that take into account the age of the previous report, susceptibility, size of PWS, etc.

Staff continued to meet with public water system operators and/or local source water protection teams, where they provided information and technical guidance on developing or implementing a local source water protection plan.

Eleven source water protection plans developed by municipal public water systems were endorsed by the Agency during PY 2024. The Agency also received checklist-style protection plans from an additional 47 nonmunicipal systems (community and noncommunity) and sent 60 recognition certificates for these checklists.

In 2021, Ohio EPA updated the criteria for a system to be considered substantially implementing. The 3-year substantial implementation survey cycle with the new criteria started in 2022. Statewide, SWAP staff developed surveys for systems with endorsed plans specific to their proposed strategies. Additionally, as is the past, systems without endorsed plans received a survey with generic questions about their implementation status. Although only 514 of the 869 community systems have been surveyed, as of June 30, 2023, 61% of all the communities that have been surveyed (304/514), are considered implementing under the criteria described in Ohio EPA's program, which covers 81% of the population served by community systems. No results are yet available for 2024 and the entire three-year survey cycle (2022-2024).

Finally, staff responded to approximately 53 technical assistance requests for site-specific maps showing locations of source water protection areas and any nearby waste or product management and storage facilities.

Staff also reviewed approximately 25 coal or industrial minerals mining applications, 13 Ohio Power Siting Board applications and approximately 68 CWA Section 401 permits for potential drinking water impacts.

D. Program Accomplishment by Activity

Accomplishments for each of the program activities identified in the PY 2024 DWAF PMP are summarized below:

Activity 1 – Source Water Assessment. Revise source water assessments for existing public water systems as needed and complete source water assessments for new public water systems.

Proposed Outcome/Product

1. Complete source water assessment reports for new public water systems.
2. Revise previous assessments as needed.
3. Review assessment reports completed by public water systems for endorsement.

Actual Work Completed

- ***Assessment Reports.*** Completed 146 SWAP reports for public water systems using ground water. Of these, 46 were for new wells or wellfields and 100 were revisions of earlier source water assessment reports due to program goals to update older reports, new wells at existing wellfields, changed pumping rates, and other types of changes that warranted a revision of the earlier report.
- ***New Well Sitings.*** In addition to the above, SWAP staff either completed new well site assessments and approvals, including providing preliminary maps of the isolation radius and source water protection area with known potential contaminant sources and writing well site approval letters.

Supplemental Environmental Benefits
Describing and mapping source water assessment areas enables other environmental programs to prioritize their own regulatory and outreach activities based on their regulated facilities' proximity to public drinking water sources and those sources' susceptibility to contamination. The inclusion of susceptibility evaluations in SWAP reports helps these other programs to further target their efforts based on *likelihood of source water impacts*. Source water protection information is used extensively by environmental consultants to aid in compliance with siting criteria and construction standards for regulated facilities and determining remedial goals for contaminated groundwater. Source Water Assessment Reports are also used extensively by other DDAGW staff for prioritizing inspections of Class V wells and Hydrogeologic Sensitivity Assessments under the Ground Water Rule.

Activity 2 - Source Water Protection Planning. Encourage and provide direct technical assistance to public water systems with development and implementation of source water protection plans.

Proposed Outcome/Product(s)

1. Local development of source water protection plans and local implementation of protective strategies.
2. Up to ten local/regional source water protection workshops, led by Ohio EPA.
3. Direct technical assistance to public water systems developing local source water protection plans.

Actual Work Completed

- ***Protection Plan Reviews.*** Reviewed and endorsed eleven municipal Source Water Protection Plans.
- ***Meetings.*** Staff continued to meet with public water system operators and/or local source water protection teams, where staff provided information and guidance on developing or implementing a local source water protection plan.
- ***Checklist Plans.*** Received 47 Source Water Protection Plan checklists from non-municipal

systems.

- ***Certificates.*** Returned personalized and signed certificates of recognition to 60 public water systems that sent in a source water protection plan or a checklist.
- ***Substantial Implementation.*** SWAP staff created substantial implementation surveys specific to protection plans submitted by community public water systems. When systems did not submit their survey, SWAP staff conducted outreach to these water systems. This follow-up outreach resulted in an approximate 85% survey return rate (in 2023).

Activity 3 – Coordination, Outreach/Education and Technical Assistance. Conduct public outreach and education and disseminate source water assessments to public water systems; collaborate with State environmental programs to develop and implement source water protection strategies.

Proposed Outcome/Product(s)

1. Provide access to reports.
2. Document management.
3. Respond to technical assistance requests.
4. Update source water assessment and protection web pages.

Actual Work Completed

- **SWAP Web Page.** Changes have been made to Ohio EPA's web mapping application providing open access to drinking water source protection area information. There is no longer the ability to download source water assessment reports or get specific locational information for public water system well locations. This increased the number of technical assistance requests for staff to process. During PY 2024, SWAP staff planned to regularly update and evaluate SWAP web page content.
- **SWAP Newsletter.** SWAP articles are submitted for inclusion in The Spigot, the Division's newsletter. SWAP-related content will reach the same audience and The Spigot provides an outlet for program updates throughout the year.
- **Technical Assistance Maps.** Responded to technical assistance requests for site-specific maps showing locations of source water protection areas. This information is used to aid in compliance with siting criteria and construction standards for regulated facilities and in determining remedial goals for contaminated ground water. Most of these requests came from consulting or engineering firms. Staff also reviewed coal or industrial minerals mining applications and CWA Section 401 permits for potential drinking water impacts.
- **Inter-agency coordination**. Division staff, including SWAP staff, continued to meet with Clean Water Act program staff throughout PY 2024 to coordinate activities to achieve our shared goal of improved water quality. During PY 2024, meetings included staff from the Total Maximum Daily Load (TMDL) and Non-Point Source Programs.
- During PY 2024, program staff participated in monthly meetings of the Ohio Section of the American Water Works Association's SWAP committee and assisted with the committee's outreach efforts.
- The 2018 Farm Bill included provisions directing at least 10% of conservation funding be allocated to source water protection areas. During PY 2024, program staff worked with DSW and the Ohio office of the Natural Resources Conservation Service to identify candidate watersheds and source water protection areas for this conservation funding. A list of recommended watersheds was provided to NRCS in conjunction with DSW in early PY 2024.

- ***ORWA.*** Ohio Rural Water Association (OWRA) Source Water Protection staff participate in quarterly calls with Ohio EPA SWAP staff to answer questions and to coordinate development of local source water protection plans.
- SWAP staff began planning for an annual newsletter to disseminate source water protection information to interested parties. SWAP staff also are regularly updating the SWAP webpage "recent news" section to highlight source water protection related activities and recognize recently endorsed protection plans.

Activity 4 – General Program Support. Provide administrative, computer and data management and geographic information program support to program staff.

Proposed Outcome/Product

1. Federal reporting

Actual Work Completed

- ***Annual Report.*** Completed Program Year Source Water Assessment and Protection set-aside Annual Report ***QA/QC.*** Program staff continued to QA/QC the statewide geographic information system data layer of Source Water Protection areas and well locations.
- ***General Management.*** Provided general management and supervision to staff and completed required reports. All staff performed time accounting procedures and provided support for accounting, budgeting and purchasing.
- ***Administrative Support.*** Administrative staff provided general office support to program staff.
- ***Technical Support***. Information management staff provided technical support for staff.

Appendix D

Rural Community Assistance Partnership

Operated by the Great Lakes Community Action Partnership (GLCAP)
Ohio EPA Drinking Water Assistance Fund
Small Systems Technical Assistance Program

Final Report
July 1, 2023 to June 30, 2024

The following technical assistance was completed in accordance with the agreement between Ohio EPA and Great Lakes CAP for Small Systems Technical Assistance, July 1, 2023 – June 30, 2024. The goals of the technical assistance program are to: 1) assist small systems (less than 10,000 in population) and rural areas in complying with the Safe Drinking Water Act (SDWA) regulations; 2) market and use the Water Supply Revolving Loan Account (WSRLA) loan program to assist small systems in obtaining adequate funding to maintain and upgrade their infrastructure; and 3) protect public health and safety. The program goals were met by completing the following tasks:

1. Report on the small systems assisted

(see attached Customer Satisfaction Surveys Summary in Appendix)

Total number of systems assisted: 106

Addyston
Amesville
Attica
Bailey Lakes
Bainbridge
Baltimore
Bellaire
Belpre
Beverly
Blanchester
Bloomingburg
Bloomville
Bowerston
Bridgeport
Buckeye Water District
Burton
Caldwell
Canfield
Catawba
Coal Grove
Columbiana
Columbus Grove

Corning
Coshocton
Danville
Dillonvale
Donnelsville
Dunkirk
East Canton
Fayette
Felicity
Fletcher
Florida
Forest
Frazeysburg
Fredericksburg
Freeport
Gallia County Rural Water Association
Gallipolis
Grandview Heights
Hecla Water Association
Holloway
Jackson
Jamestown
Jeffersonville
Kelleys Island
Kenton
Kingston
Lakemore
Lakeview
Lisbon
Little Hocking Water Association
Lodi
Lowell
Madison Water District
Malinta
Malta
Malvern
Manchester
Marblehead
Matamoras
McGuffey
Middlefield
Milan
Millersport
Monroe Water

Morgan Meigsville Rural Water District
Mount Blanchard
Mount Sterling
Muskingum County
Nelsonville
Noble County Water Authority
Noble Water Company
North Baltimore
Oak Hill
Otterbein-Portage VLY Retirement Home
Peyton Community Well
Phillipsburg
Piketon
Portersville East Branch
Putnam Community Water
Republic
Russells Point
Sabina
Scioto Water, Inc.
Sebring
Shadyside
Shiloh
Shreve
South Point
Spring Valley
The Vale - Yellow Springs
Tri-County Water Authority
Upper Sandusky
Utica
Vanlue
Walnut Creek Water Company
Warren Community Water
Washingtonville
Waynesville
Waynesville WTP
Wellston
Wilmington
York Township Water Authority
York Twp / Powhatan Point
Yorkville

a. Preparation of DWAF and other funder's applications

DWAF Nominations

Total number of DWAF nominations completed: 47

Addyston
Amesville
Attica
Bainbridge
Blanchester
Bloomingburg
Bloomville
Caldwell
Caldwell
Catawba
Coal Grove
Columbus Grove
Corning
Coshocton
Donnelsville
Dunkirk
East Canton
Fayette
Felicity
Frazeysburg
Fredericksburg
Gallia County Rural Water Association
Gallia County Rural Water Association
Gallipolis
Gallipolis
Hecla Water Association
Jamestown
Kenton
Kingston
Lakeview
Lisbon
Malvern
Matamoras
Matamoras
Milan
Morgan Meigsville Rural Water District
Mount Sterling
Nelsonville
Phillipsburg
Portersville East Branch

Putnam Community Water
Republic
Sabina
Scioto Water, Inc.
Shreve
Tri-County Water Authority
Upper Sandusky

DWAF Planning and Design Applications

Total number of DWAF planning and design applications completed: 9

Attica
Beverly
Bloomingburg
Caldwell
Gallipolis
Matamoras
Milan
Nelsonville
Phillipsburg

DWAF Construction Applications

Total number of DWAF construction applications completed: 17

Belpre
Coshocton
Coshocton
Danville
Dunkirk
East Canton
Fletcher
Frazeysburg
Fredericksburg
Manchester
Middlefield
Noble County Water Authority
Noble County Water Authority
Scioto Water, Inc.
Shiloh
South Point
South Point

Other Funder's Applications

Total number of other funder's applications completed: 62

Amesville - STAG Appropriation Request
Bainbridge - ARC
Bainbridge- ODOD
Bainbridge- OPWC
Bellaire- ODOD
Blanchester - Army Corps
Bloomville - ODOD
Caldwell - ARC
Caldwell- ODOD
Catawba - OWDA
Coal Grove - ARC
Coal Grove - CDBG RPIG
Coal Grove- ODOD
Columbus Grove- ODOD
Coshocton- Army Corps
Dunkirk- ODOD
East Canton- ODOD
Fayette - CDBG
Fayette- ODOD
Fayette- OPWC
Felicity - ARC
Felicity - Capital Bill
Felicity- ODOD
Frazeysburg - ARC
Fredericksburg - ODOD
Fredericksburg- OWDA
Gallipolis - ARC
Gallipolis- ODOD
Hecla Water Association - ODOD
Hecla Water Association - US EPA STAG
Hecla Water Association- ARC
Lisbon- ARC
Lowell- ODOD
Malvern - Army Corps
Malvern- ARC
Malvern- ODOD
Marblehead- ODOD
Matamoras - OWDA
Milan- OPWC
Morgan Meigsville Rural Water District- ODOD
Mount Sterling- Army Corps

Noble County Water Authority- ARPA
Noble County Water Authority- ODOD
Phillipsburg - OWDA
Portersville East Branch - ARC
Republic - OWDA
Republic- ODOD
Sabina- ODOD
Shadyside - OPWC
Shiloh- ODOD
Shreve - OWDA
Shreve- ODOD
South Point- ODOD
Tri-County Water Authority - ARC
Tri-County Water Authority - ODOD
Walnut Creek Water Company- ARC
Walnut Creek Water Company- ODOD
Wellston - CDBG
Wellston- ARC
Wellston- CDBG
York Township Water Authority- ODOD
York Township Water Authority- OWDA

b. Determining the most cost-effective option to access safe drinking water

Number of systems assisted: 45

Addyston
Amesville
Attica
Belpre
Beverly
Bloomville
Bowerston
Burton
Caldwell
Catawba
Coal Grove
Columbus Grove
Donnelsville
Dunkirk
Felicity
Fredericksburg
Gallia County Rural Water Association
Hecla Water Association
Jamestown

Kenton
Lakeview
Lisbon
Malvern
Marblehead
Matamoras
Milan
Morgan Meigsville Rural Water District
Noble County Water Authority
North Baltimore
Peyton Community Well
Phillipsburg
Republic
Russells Point
Sabina
Sebring
Shadyside
Shiloh
Shreve
Shreve
Upper Sandusky
Vanlue
Washingtonville
Wilmington
York Township Water Authority
Yorkville

c. Readiness to proceed issues

Number of systems assisted: 82

Addyston - Funding
Amesville - Funding
Attica - Funding
Attica - Other
Bainbridge - Funding
Bellaire - Funding
Bellaire - Other
Bellaire - Project Schedule
Belpre - Completing Data Collection
Belpre - Funding
Beverly - Determining most cost effective option
Blanchester - Funding
Blanchester - Project Schedule
Bloomingburg - Funding

Bloomville - Funding
Bloomville - Project Schedule
Bowerston - Funding
Bridgeport - Funding
Buckeye Water District - Other
Burton - Funding
Caldwell - Funding
Caldwell - Obtaining Cost Estimates
Caldwell - Project Schedule
Catawba - Determining most cost effective option
Catawba - Determining Project Alternatives
Catawba - Funding
Coal Grove - Funding
Columbus Grove - Funding
Corning - Completing Data Collection
Corning - Gathering Supporting Documentation
Corning - Obtaining Cost Estimates
Coshocton - Funding
Danville - Funding
Dillonvale - Funding
Dillonvale - Hiring an Engineer
Dillonvale - Other
Donnelsville - Determining most cost effective option
Donnelsville - Funding
Dunkirk - Funding
Dunkirk - Project Schedule
East Canton - Completing Data Collection
East Canton - Funding
East Canton - Hiring an Engineer
East Canton - Other
East Canton - Project Schedule
Fayette - Funding
Felicity - Determining most cost effective option
Felicity - Funding
Fletcher - Funding
Florida - Funding
Frazeysburg - Completing Data Collection
Frazeysburg - Funding
Frazeysburg - Hiring an Engineer
Frazeysburg - Obtaining Cost Estimates
Fredericksburg - Determining Project Alternatives
Fredericksburg - Funding
Fredericksburg - Gathering Supporting Documentation
Fredericksburg - Project Schedule

Gallia County Rural Water Association - Funding
Gallipolis - Funding
Grandview Heights - Funding
Hecla Water Association - Funding
Jamestown - Funding
Jeffersonville - Funding
Kenton - Funding
Kingston - Funding
Lakemore - Funding
Lakemore - Other
Lakeview - Funding
Lakeview - Other
Lisbon - Funding
Lisbon - Gathering Supporting Documentation
Lisbon - Project Schedule
Lodi - Funding
Lodi - Project Schedule
Lowell - Funding
Madison Water District - Gathering Supporting Documentation
Madison Water District - Hiring an Engineer
Malta - Funding
Malvern - Completing Data Collection
Malvern - Funding
Malvern - Gathering Supporting Documentation
Malvern - Project Schedule
Manchester - Funding
Marblehead - Funding
Matamoras - Determining most cost effective option
Matamoras - Funding
Middlefield - Other
Milan - Completing Data Collection
Milan - Funding
Milan - Gathering Supporting Documentation
Milan - Hiring an Engineer
Milan - Obtaining Cost Estimates
Milan - Project Description
Morgan Meigsville Rural Water District - Funding
Morgan Meigsville Rural Water District - Other
Mount Sterling - Completing Data Collection
Mount Sterling - Funding
Muskingum County - Funding
Nelsonville - Funding
Noble County Water Authority - Determining Project Alternatives
Noble County Water Authority - Funding

Noble County Water Authority - Gathering Supporting Documentation
Noble Water Company - Funding
North Baltimore - Funding
Peyton Community Well - Funding
Phillipsburg - Determining most cost effective option
Phillipsburg - Determining Project Alternatives
Phillipsburg - Funding
Portersville East Branch - Funding
Putnam Community Water - Funding
Republic - Determining Project Alternatives
Republic - Funding
Russells Point - Funding
Sabina - Determining most cost effective option
Sabina - Funding
Scioto Water, Inc. - Funding
Sebring - Other
Shadyside - Completing Data Collection
Shadyside - Obtaining Cost Estimates
Shiloh - Funding
Shreve - Completing Data Collection
Shreve - Determining Project Alternatives
Shreve - Funding
Shreve - Gathering Supporting Documentation
Shreve - Hiring an Engineer
South Point - Project Schedule
South Point- Funding
The Vale - Yellow Springs - Funding
Tri-County Water Authority - Funding
Tri-County Water Authority - Gathering Supporting Documentation
Tri-County Water Authority - Project Schedule
Upper Sandusky - Determining Project Alternatives
Upper Sandusky - Funding
Walnut Creek Water Company - Funding
Warren Community Water - Funding
Washingtonville - Hiring an Engineer
Washingtonville - Other
Wellston - Funding
York Township Water Authority - Completing Data Collection
York Township Water Authority - Determining most cost effective option
York Township Water Authority - Determining Project Alternatives
York Township Water Authority - Funding
York Township Water Authority - Other
Yorkville - Determining most cost effective option
Yorkville - Determining Project Alternatives

d. Capacity development

Number of systems assisted: 61

Addyston - Financing Plan
Addyston - Utility Planning
Attica - Capital Improvement Plan
Attica - Rate Study
Attica - TA to Governing Board
Attica- Utility Planning
Bailey Lakes - Capital Improvement Plan
Baltimore - Capital Improvement Plan
Belpre - Developing Budgets
Belpre - TA to Governing Board
Blanchester - Financing Plan
Blanchester - Utility Planning
Bloomingburg- Utility Planning
Bowerston - Rate Study
Canfield- Utility Planning
Catawba - Utility Planning
Columbiana - Utility Planning
Columbus Grove - Financing Plan
Corning - Financing Plan
Corning - Other
Corning - Utility Planning
Coshocton- Utility Planning
Danville - Developing Budget
Danville - Financing Plan
Danville - Other
Danville- Utility Planning
Dillonvale - Utility Planning
Donnelsville - Utility Planning
East Canton- Utility Planning
Fletcher- Utility Planning
Florida - Rate Study
Florida - Utility Planning
Forest - Other
Gallia County Rural Water Association - Utility Planning
Gallipolis - Utility Planning
Hecla Water Association - Financing Plan
Holloway - Other
Jamestown - Utility Planning
Kelleys Island - Other
Kingston - Other
Kingston - Utility Planning
Lakemore - Utility Planning

Lisbon - Developing Budgets
Little Hocking Water Association - Rate Study
Lodi - Utility Planning
Malvern - Developing Budgets
Marblehead - Utility Planning
Matamoras - Rate Study
Matamoras - Utility Planning
Middlefield- Utility Planning
Milan - Other
Monroe Water - Utility Planning
Mount Sterling - Capital Improvement Plan
Mount Sterling - Utility Planning
Nelsonville - Utility Planning
Noble County Water Authority - Financing Plan
Noble County Water Authority - TA to Governing Board
Noble County Water Authority- Utility Planning
Noble Water Company - Other
Oak Hill - Other - Water Audit
Oak Hill - Utility Planning
Otterbein-Portage VLY Retirement Home - Other
Peyton Community Well - Financing Plan
Peyton Community Well - Utility Planning
Phillipsburg - Utility Planning
Piketon WTP - Other
Piketon WTP - Utility Planning
Putnam Community Water - Utility Planning
Sabina - Utility Planning
Sebring - Developing Budgets
Shadyside - Financing Plan
Shadyside- Utility Planning
Shiloh - Financing Plan
Shiloh- Utility Planning
Shreve - Developing Budgets
Shreve - Other
Shreve- Utility Planning
South Point- Utility Planning
Tri-County Water Authority - Developing Budgets
Utica - Other
Utica - TA to Governing Board
Waynesville WTP - Other
Wilmington - Other
Wilmington - Utility Planning
York Township Water Authority - Other
York Township Water Authority - Utility Planning

York Twp / Powhatan Point - Utility Planning
Yorkville - O&M Costs

2. Report on the “RCAP Team Approach”

Community- Village of Donnelsville
Benchmarks accomplished- assisted with QBS of consulting engineer; facilitated completion of preliminary engineering report; completed Ohio EPA nomination form.
Next steps- work with Clark County and village to develop intergovernmental agreement; assist Clark County with RFQ for engineering design and construction services; assist with project development; assist with acquiring financing. Intensive Technical Assistance will continue in 2024-2025.

Community- Village of Holloway
Benchmarks accomplished- developed backflow ordinance; completed site sampling plan; completed capital improvements plan; completed valve exercising plan; completed hydrant flushing plan; completed WTP equipment condition and criticality assessment; completed contingency plan; assisted with resolving plan approval issue for filter media; completed asset management plan; assisted with CCR for 2022; developed various SOPs.
Next steps- this project will be removed from Intensive Technical Assistance and further assistance will continue under regular Ohio EPA technical assistance.

Community- Village of Kingston
Benchmarks accomplished- completed Ohio EPA nomination form.
Next steps- complete GIS mapping; assist with asset management issues; provide leak detection training; assist with acquiring financing for control valve station. Intensive Technical Assistance will continue in 2024-2025

Community- Village of Mt. Sterling
Benchmarks accomplished- completed GIS map of distribution system; completed critical valve identification; conducted valve exercising for entire distribution system; conducted Utility Management for Local Officials training for council; secured design and construction financing for water tower replacement; completed valve exercising plan and valve exercising report; completed unidirectional hydrant flushing plan; conducted village-wide unidirectional hydrant flushing; conducted water leak detection.
Next steps- assist village with completing water tank replacement project. This project will be removed from Intensive Technical Assistance and further assistance will continue under regular Ohio EPA technical assistance.

Community- York Township Water Authority
Benchmarks accomplished- completed Ohio EPA nomination; conducted water audit; completed financial analysis.
Next steps- assist with design loan administration; continue meeting with water systems regarding regionalization. Intensive Technical Assistance will continue in 2024-2025.

3. Report on the Special Project – “RCAP Asset Management Coaching Cohort”

During the year RCAP identified communities for the 23-24 asset management cohort; developed the training schedule and updated the presentation materials; archived materials from the previous cohort group; conducted the first two virtual training sessions covering development of an asset management team, administrative needs for asset management, metrics, and best practices; conducted individual kickoff meetings with participating communities; created online mapping applications for all communities; evaluated and digitized existing mapping; conducted the next two group training sessions covering inventory development, maintenance planning, and capital improvement; conducted individual work shop meetings with communities; conducted check-in meetings with communities to gauge progress; conducted the final two group training sessions covering the financial portions of asset management planning, including development of 5-year history and projection, how to complete the contingency plan, source water protection aspects of the asset management rule, and how to present the asset management plan findings to utility governing boards; scheduled the presentations of asset management plans to boards. The 2023-2024 cohort is now complete.

4. Report on classroom and online training provided

(see attached Classroom & Webinar Trainings- Pre/Post Test Data in Appendix)

Classroom & Webinar Trainings				
Date	Location	Course	# Participants	# Systems
08/08/23	Onsite	Rate Setting	12	1
08/28/23	Onsite	Rate Setting	8	1
09/14/23	Webinar	Basic Math for Operators	68	50
09/28/23	Webinar	Advanced Math for Operators	47	28
10/10/23	Webinar	Basics of Pressure Management	52	32
10/24/23	Webinar	Guiding & Funding Your Utility's Future: Part 1- Planning for Your System's Future	29	22
10/25/23	Webinar	Guiding & Funding Your Utility's Future: Part 2- Capital Improvement Plans	29	22
10/31/23	Webinar	Guiding & Funding Your Utility's Future: Part 3- Planning, Life Cycle Cost and Present Worth	30	22
11/14/23	Webinar	Lead & Copper Compliance Part 1	48	34
11/14/23	Webinar	Lead & Copper Compliance Part 2	37	25
12/07/23	Webinar	Regionalization: Running the Numbers	30	17
02/28/24	Virtual	Fundamental Mathematics for Operators Part 1	42	39
03/13/24	Virtual	Fundamental Mathematics for Operators Part 2	50	39
03/21/24	Delaware	Writing and Implementing SOPs	4	2
05/08/24	Virtual	Pressure Management for Water Loss Control	57	42
05/14/24	Marietta	101 Utility Management for Local Officials	23	10
05/15/24	Marietta	201 Financial Management for Local Officials	27	12
05/16/24	Virtual	Managing the Construction Process: Pre-Construction	17	9
05/22/24	Mt. Vernon	Shared Services & Regional Solutions	4	4
06/04/24	Virtual	Distribution Math for Operators	50	37
06/05/24	Virtual	Treatment Math for Operators	48	36
06/06/24	Delaware	Contingency Planning Workshop	9	6
06/11/24	Mt. Sterling	Field Day	48	27
06/13/24	Virtual	Update Your Contingency Plan	30	21
		Total	799	538

Self-Paced Online Trainings			
Quarter	Course	# Participants	# Systems
Q1	Utility Management for Local Officials	9	3
Q2	Utility Management for Local Officials	17	9
Q3	Utility Management for Local Officials	23	6
Q4	Utility Management for Local Officials	12	8
	Total	61	26
Q1	Financial Management for Local Officials	10	4
Q2	Financial Management for Local Officials	14	7
Q3	Financial Management for Local Officials	18	5
Q4	Financial Management for Local Officials	15	9
	Total	57	25
	Grand Total	118	51

Principal Forgiveness Training	
System	PF Training Requirement Met (Y/N)
Ashtabula County	Y
Trumbull County	N
Coshocton	Y
Muskingum County	Y
Portage County	Y
Fayette	N
Bowerston	Y
Wellston	N
Akron	N
Lowell	Y
Little Hocking WA	N
Pike Water	N
Manchester	Y
Noble County WA	Y

Leveraged Funds- During the program year, RCAP assisted 32 systems in obtaining $60,465,829 in leveraged funds ($34,052,702 in loan funds and $26,413,128 in grant funds). See table below.

OHIO EPA WATER LEVERAGED FUNDS (07/01/23-06/30/24)					
Community	**RCAP Staff**	**Loan**	**Grant**	**Source**	**Award Date**
Attica	C. Brookes	$ 15,202		WSRLA	9/28/2023
Bainbridge	K. Strickland	$ 150,000		OWDA	7/27/2023
Blanchester	K. Strickland		$ 705,090	ODOD WWIG	7/24/2023
Bloomville	C. Brookes		$ 20,000	H2Ohio	11/22/2023
Bloomville	C. Brookes		$ 349,086	ODOD WWIG	6/27/2024
Bloomingburg	K. Strickland	$ 254,034		WSRLA	10/26/2023
Catawba	K. Strickland	$ 13,800		OWDA	6/27/2024
Coshocton	B. Howard		$ 5,000,000	ODOD WWIG	7/24/2023
Fayette	R. Streiffert	$ 196,540	$ 217,830	WSRLA	7/27/2023
Fletcher	K. Strickland	$ 287,148		WSRLA	10/26/2023
Fredericksburg	P. Ewing	$ 105,400		OWDA	12/14/2023
Gallipolis	K. Strickland	$ 806,949		WSRLA	10/26/2023
Hecla Water	K. Strickland		$ 250,000	ARC	12/4/2023
Jackson	K. Strickland		$ 1,625,046	ODOD WWIG	7/24/2023
Kenton	C. Brookes		$ 5,000,000	ODOD WWIG	7/24/2023
Kenton	C. Brookes	$ 498,494		WSRLA	12/14/2023
Lakemore	M. Kline	$ 3,558,398		WSRLA	4/1/2024
London	K. Strickland	$ 1,561,863		WSRLA	12/4/2023
Lowell	B. Howard		$ 750,000	ODOD WWIG	7/24/2023
Manchester	K. Strickland	$ 1,677,714	$ 1,649,670	WSRLA	1/25/2024
Martinsburg	P. Ewing	$ 52,400		OWDA	3/28/2024
Matamoras	K. Strickland		$ 1,500,000	H2Ohio	12/1/2023
Matamoras	K. Strickland	$ 93,300		OWDA	5/30/2024
Middlefield	M. Kline	$ 1,136,198		WSRLA	2/22/2024
Milan	H. Milner		$ 16,816	WSRLA	6/25/2024
Nelsonville	K. Strickland	$ 281,652		WSRLA	4/25/2024
New Waterford	P. Ewing	$ 383,224		OWDA	3/28/2024
New Waterford	P. Ewing	$ 50,400		OWDA	6/27/2024
Noble Co. Water Authority	H. Milner		$ 2,025,263	ODOD	6/10/2024
Noble Co. Water Authority	H. Milner	$ 2,259,829	$ 1,815,417	WSRLA	6/25/2024
Scioto Water	K. Strickland	$ 1,953,433		WSRLA	6/25/2024
Shiloh	H. Milner	$ 1,009,499		WSRLA	2/29/2024
Shiloh	H. Milner		$ 500,000	ODOD WWIG	6/10/2024
Shreve	P. Ewing	$ 331,155		OWDA	3/28/2024
South Point	B. Howard	$ 3,262,931		WSRLA	12/14/2023
South Point	B. Howard		$ 1,000,000	ODOD WWIG	6/27/2024
South Point	B. Howard		$ 694,000	WSRLA	12/14/2023
SW Licking	P. Ewing	$ 3,295,360		OWDA	12/14/2023
SW Licking	P. Ewing	$ 5,487,981		OWDA	5/30/2024
Wellston	K. Strickland	$ 5,335,000	$ 4,000,000	WSRLA	6/27/2024
York Township	T. Woodland	$ 160,000		OWDA	1/25/2024
	Subtotal	**$34,052,702**	**$26,413,128**		
	Total	**$**	**60,465,829**		

APPENDIX

- Customer Satisfaction Surveys Summary
- Classroom & Webinar Trainings- Pre/Post Test Data
- First Quarter Report - July 1, 2023 to September 30, 2023
- Second Quarter Report - October 1, 2023 to December 31, 2023
- Third Quarter Report - January 1, 2024 to March 31, 2024
- Fourth Quarter Report - April 1, 2024 to June 30, 2024

Customer Satisfaction PY 22-23 results

	Responses	Response Percentage
Ohio	135	45%

1. RCAP staff worked with our community to develop a plan to address our needs.

1 (Strongly Disagree)	0
2	1
3	4
4 (Strongly Agree)	130

2. We were helped in a timely manner.

1 (Strongly Disagree)	0
2	1
3	5
4 (Strongly Agree)	128

3. We were treated with respect.

1 (Strongly Disagree)	0
2	0
3	2
4 (Strongly Agree)	133

4. Our needs were met or are being addressed.

1 (Strongly Disagree)	0
2	0
3	6
4 (Strongly Agree)	128

5. Overall, I am satisfied with the services our community received.

1 (Strongly Disagree)	0
2	0
3	5
4 (Strongly Agree)	130

6. I would recommend RCAP services to other communities with similar problems.

1 (Strongly Disagree)	0
2	0
3	5
4 (Strongly Agree)	130

Classroom & Webinar Trainings- Pre/Post Test Data						
Date	Location	Course	# Participants	# Systems	Pre-Test %	Post Test %
08/08/23	Onsite	Rate Setting	12	1	No data	No data
08/28/23	Onsite	Rate Setting	8	1	No data	No data
09/14/23	Webinar	Basic Math for Operators	68	50	57	85
09/28/23	Webinar	Advanced Math for Operators	47	28	52	75
10/10/23	Webinar	Basics of Pressure Management	52	32	90	89
10/24/23	Webinar	Guiding & Funding Your Utility's Future: Part 1- Planning for Your System's Future	29	22	66	93
10/25/23	Webinar	Guiding & Funding Your Utility's Future: Part 2- Capital Improvement Plans	29	22	95	100
10/31/23	Webinar	Guiding & Funding Your Utility's Future: Part 3- Planning, Life Cycle Cost and Present Worth	30	22	72	96
11/14/23	Webinar	Lead & Copper Compliance Part 1	48	34	82	94
11/14/23	Webinar	Lead & Copper Compliance Part 2	37	25	78	97
12/07/23	Webinar	Regionalization: Running the Numbers	30	17	63	91
02/28/24	Virtual	Fundamental Mathematics for Operators Part 1	42	39	62	94
03/13/24	Virtual	Fundamental Mathematics for Operators Part 2	50	39	48	83
03/21/24	Delaware	Writing and Implementing SOPs	4	2	65	80
05/08/24	Virtual	Pressure Management for Water Loss Control	57	42	92	90
05/14/24	Marietta	101 Utility Management for Local Officials	23	10	94	100
05/15/24	Marietta	201 Financial Management for Local Officials	27	12	63	84
05/16/24	Virtual	Managing the Construction Process: Pre-Construction	17	9	100	100
05/22/24	Mt. Vernon	Shared Services & Regional Solutions	4	4	60	73
06/04/24	Virtual	Distribution Math for Operators	50	37	71	87
06/05/24	Virtual	Treatment Math for Operators	48	36	70	90
06/06/24	Delaware	Contingency Planning Workshop	9	6	68	86
06/11/24	Mt. Sterling	Field Day	48	27	No data	No data
06/13/24	Virtual	Update Your Contingency Plan	30	21	86	91
		Total	799	538		

RCAP Quarterly Report for July 1, 2023 to September 30, 2023

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

DWAF Nominations

None during the quarter.

DWAF Planning and Design Applications

Attica
Bloomingburg
Gallipolis

DWAF Construction Applications

Coshocton
Danville
Fletcher
Middlefield
Noble County Water Authority
Shiloh
South Point
South Point

Other Funder's Applications

Coshocton- Army Corps
Fayette- OPWC
Hecla Water Association- ARC
Lisbon- ARC
Lowell- ODOD
Malvern- ARC
Milan- OPWC
Mount Sterling- Army Corps
Noble County Water Authority- ARPA
Walnut Creek Water Company- ARC
Walnut Creek Water Company- ODOD
Wellston- ARC
Wellston- CDBG

b. Determining the most cost-effective option to access safe drinking water

Addyston
Amesville
Attica
Bowerston
Caldwell
Catawba
Donnelsville
Dunkirk
Felicity
Lisbon
Matamoras
Milan
Peyton Community Well
Republic
Russells Point
Sabina
Sebring
Shadyside
Shiloh
Upper Sandusky
Washingtonville
York Township Water Authority

c. Readiness to proceed issues

Addyston - Funding
Amesville - Funding
Attica - Funding
Bainbridge - Funding
Blanchester - Funding
Bloomingburg - Funding
Bloomville - Funding
Bowerston - Funding
Bridgeport - Funding
Buckeye Water District - Other
Burton - Funding
Caldwell - Funding
Catawba - Determining Project Alternatives
Coal Grove - Funding
Columbus Grove - Funding
Coshocton - Funding

Dunkirk - Funding
East Canton - Completing Data Collection
East Canton - Funding
East Canton - Hiring an Engineer
East Canton - Other
Fayette - Funding
Felicity - Funding
Fletcher - Funding
Fredericksburg - Project Schedule
Gallipolis - Funding
Grandview Heights - Funding
Hecla Water Association - Funding
Jeffersonville - Funding
Kenton - Funding
Lakemore - Other
Lakeview - Funding
Lisbon - Funding
Madison Water District - Gathering Supporting Documentation
Madison Water District - Hiring an Engineer
Malvern - Funding
Malvern - Project Schedule
Manchester - Funding
Matamoras - Funding
Middlefield - Other
Milan - Funding
Mount Sterling - Completing Data Collection
Mount Sterling - Funding
Muskingum County - Funding
Nelsonville - Funding
Noble County Water Authority - Funding
Noble County Water Authority - Gathering Supporting Documentation
Noble Water Company - Funding
Republic - Determining Project Alternatives
Russells Point - Funding
Sabina - Funding
Scioto Water, Inc. - Funding
Shadyside - Completing Data Collection
Shreve - Hiring an Engineer
South Point - Project Schedule
The Vale - Yellow Springs - Funding
Upper Sandusky - Determining Project Alternatives
Walnut Creek Water Company - Funding
Washingtonville - Other

Wellston - Funding
York Township Water Authority - Completing Data Collection
York Township Water Authority - Determining Project Alternatives
York Township Water Authority - Other

d. Capacity development

Addyston - Financing Plan
Addyston - Utility Planning
Attica- Utility Planning
Blanchester - Utility Planning
Bloomingburg- Utility Planning
Bowerston - Rate Study
Canfield- Utility Planning
Catawba - Utility Planning
Columbiana- Utility Planning
Coshocton- Utility Planning
Danville - Developing Budgets
Danville - Financing Plan
Danville- Utility Planning
Donnelsville - Utility Planning
East Canton- Utility Planning
Fletcher- Utility Planning
Florida- Utility Planning
Gallipolis- Utility Planning
Little Hocking Water Association - Rate Study
Matamoras - Rate Study
Matamoras- Utility Planning
Middlefield- Utility Planning
Mount Sterling - Capital Improvement Plan
Mount Sterling - Utility Planning
Nelsonville - Utility Planning
Noble County Water Authority - Financing Plan
Noble County Water Authority- Utility Planning
Oak Hill - Other - Water Audit
Sebring - Developing Budgets
Shadyside - Financing Plan
Shadyside- Utility Planning
Shiloh - Financing Plan
Shiloh- Utility Planning
Shreve- Utility Planning
South Point- Utility Planning
York Township Water Authority- Utility Planning

2. Report on the "RCAP Team Approach"

Community- Village of Donnelsville
Capacity development needs- assistance with Qualifications Based Selection of consulting engineer; project development; financing.
Assistance provided- completed H2Ohio Initial Report; communicated with village, project engineer, and Ohio EPA regarding the status of the general plan; reviewed draft general plan and participated in council meeting on 09/11/23.
Benchmarks accomplished- assisted with QBS of consulting engineer.
Effectiveness- TBD.
Next steps- work with consulting engineer and village to facilitate completion of the general plan; assist with project development; assist with acquiring financing.

Community- Village of Holloway
Capacity development needs- resolving NOVs; contingency plan; financing for improvements.
Assistance provided- attended meeting with Ohio EPA and village to discuss currently distressed financial standing and viable path to financial solvency; communicated with various entities regarding the possibility of regionalization with Belmont County; worked on a rate study.
Benchmarks accomplished- backflow ordinance; site sampling plan; general total coliform sampling siting plan; backflow ordinance; capital improvements plan; valve exercising plan; hydrant flushing plan; WTP equipment condition and criticality assessment; contingency plan; resolved plan approval issue for filter media; completed asset management plan; CCR for 2022.
Effectiveness- the village has made substantial progress toward increasing their TMF capacity.
Next steps- continue assisting with plan approval for new greensand-plus in the WTP filters; provide financial review to facilitate discussions on potential regionalization; complete rate study.

Community- Village of Mt. Sterling
Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.
Assistance provided- obtained water production and billing data and calculated water loss; prepared final hydrant flushing plan; communicated with the village regarding leak detection services; participated in virtual meeting to discuss leak detection and water audit services; completed water leak detection; communicated with Army Corps regarding financing for water tower replacement project and the need for overall project facilitation by RCAP; facilitated project team meeting on 08/28/23; assisted the village with requesting a quote for a viewshed analysis; facilitated project team meeting on 09/25/23; communicated with the Army Corps regarding information needed for the consultant who will be completing the viewshed analysis.
Benchmarks accomplished- GIS map of distribution system; critical valve identification; valve exercising for entire distribution system; conducted Utility Management for Local Officials training for council; secured financing for water tower replacement; design loan approval; valve exercising plan and valve exercising report; unidirectional hydrant flushing plan; village-wide unidirectional hydrant flushing; water leak detection.
Effectiveness- the village has substantially increased their TMF capacity.
Next steps- complete water audit; assist village with completing water tank replacement project.

3. Report on the Special Project – "RCAP Asset Management Coaching Cohort"

During the quarter RCAP coordinated communities for the start of the 23-24 asset management cohort. Communities have been identified. RCAP internal staff organization has been completed. The training schedule has been developed and updates made to presentation materials. Materials from the previous cohort group have been archived. Training and workshopping for new communities to begin next quarter.

4. Report on classroom and online training provided

Classroom & Webinar Trainings				
Date	Location	Course	# Participants	# Systems
08/08/23	Onsite	Rate Setting	12	1
08/28/23	Onsite	Rate Setting	8	1
09/14/23	Webinar	Basic Math for Operators	68	50
09/28/23	Webinar	Advanced Math for Operators	47	28
		Total	135	80

Self-Paced Online Trainings		
Course	# Participants	# Systems
Utility Management for Local Officials	9	3
Financial Management for Local Officials	10	4
Total	19	7

Principal Forgiveness Training	
System	PF Training Requirement Met (Y/N)
Ashtabula County	Y
Trumbull County	N
Coshocton	Y
Muskingum County	Y
Portage County	Y
Fayette	N
Bowerston	N
Wellston	N
Akron	N
Lowell	Y
Little Hocking WA	N
Pike Water	N
Manchester	N
Noble County WA	N

RCAP Quarterly Report for October 1, 2023 to December 31, 2023

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

DWAF Nominations

None during the quarter.

DWAF Planning and Design Applications

None during the quarter.

DWAF Construction Applications

Coshocton
East Canton
Manchester
Noble County Water Authority

Other Funder's Applications

Bainbridge- ODOD
Bainbridge- OPWC
Bellaire- ODOD
Caldwell- ODOD
Coal Grove- ODOD
Columbus Grove- ODOD
Dunkirk- ODOD
East Canton- ODOD
Fayette- ODOD
Felicity- ODOD
Fredericksburg- OWDA
Gallipolis- ODOD
Hecla Water Association- ARC
Lisbon- ARC
Malvern- ODOD
Marblehead- ODOD
Morgan Meigsville Rural Water District- ODOD
Noble County Water Authority- ODOD
Republic- ODOD
Sabina- ODOD
Shiloh- ODOD
Shreve- ODOD
South Point- ODOD
York Township Water Authority- ODOD
York Township Water Authority- OWDA

b. Determining the most cost-effective option to access safe drinking water

Addyston
Attica
Burton
Caldwell
Catawba
Columbus Grove
Donnelsville
Dunkirk
Felicity
Fredericksburg
Lakeview
Malvern
Matamoras
Milan
Morgan Meigsville Rural Water District
Phillipsburg
Republic
Russells Point
Sabina
Shiloh
Shreve
Upper Sandusky
Yorkville

c. Readiness to proceed issues

Addyston - Funding
Amesville - Funding
Bainbridge - Funding
Bellaire - Funding
Bellaire - Project Schedule
Blanchester - Funding
Blanchester - Project Schedule
Bloomingburg - Funding
Caldwell - Funding
Catawba - Determining most cost effective option
Coal Grove - Funding
Columbus Grove - Funding
Corning - Gathering Supporting Documentation
Corning - Obtaining Cost Estimates
Dillonvale - Hiring an Engineer
Donnelsville - Determining most cost effective option
Dunkirk- Funding

East Canton- Funding
Fayette- Funding
Felicity - Determining most cost effective option
Felicity - Funding
Fletcher - Funding
Fredericksburg - Determining Project Alternatives
Fredericksburg - Funding
Fredericksburg - Gathering Supporting Documentation
Fredericksburg - Project Schedule
Gallipolis - Funding
Hecla Water Association - Funding
Kenton - Funding
Lakeview - Funding
Lisbon - Funding
Lisbon - Project Schedule
Madison Water District - Hiring an Engineer
Malvern - Project Schedule
Manchester - Funding
Marblehead - Funding
Matamoras - Funding
Milan - Gathering Supporting Documentation
Milan - Hiring an Engineer
Milan - Project Description
Morgan Meigsville Rural Water District- Funding
Mount Sterling - Funding
Nelsonville - Funding
Noble County Water Authority - Determining Project Alternatives
Noble County Water Authority - Funding
Noble Water Company - Funding
North Baltimore - Funding
Phillipsburg - Determining most cost effective option
Republic - Funding
Russells Point - Funding
Sabina - Determining most cost effective option/Funding
Scioto Water, Inc. - Funding
Shiloh - Funding
Shreve - Determining Project Alternatives
Shreve - Funding
South Point- Funding
Tri-County Water Authority - Funding
Upper Sandusky - Determining Project Alternatives
Walnut Creek Water Company - Funding
York Township Water Authority- Funding
Yorkville - Determining Project Alternatives

d. Capacity development

Addyston - Utility Planning
Attica - TA to Governing Board
Attica - Capital Improvement Plan
Attica - Rate Study
Bailey Lakes - Capital Improvement Plan
Blanchester - Utility Planning
Blanchester - Financing Plan
Bowerston - Rate Study
Catawba - Utility Planning
Columbiana - Utility Planning
Columbus Grove - Financing Plan
Corning - Other
Danville - Other
Danville - Developing Budget
Dillonvale - Utility Planning
Donnelsville - Utility Planning
Forest - Other
Hecla Water Association - Financing Plan
Holloway - Other
Kingston - Other
Lodi - Utility Planning
Matamoras - Utility Planning
Matamoras - Rate Study
Mount Sterling - Utility Planning
Nelsonville - Utility Planning
Noble Water Company - Other
Oak Hill - Other
Otterbein-Portage VLY Retirement Home - Other
Phillipsburg - Utility Planning
Piketon WTP - Other
Sabina - Utility Planning
Waynesville WTP - Other
Wilmington - Other
York Township Water Authority PWS - Other
Yorkville - O&M Costs

2. Report on the "RCAP Team Approach"

Community- Village of Donnelsville
Capacity development needs- assistance with Qualifications Based Selection of consulting engineer; project development; financing.
Assistance provided- completed H2Ohio Initial Report; communicated with Ohio EPA, consultant, and village regarding preliminary engineering report; communicated with Ohio EPA and project engineer regarding financing.
Benchmarks accomplished- assisted with QBS of consulting engineer; draft PER.
Effectiveness- TBD.
Next steps- work with project engineer and village to facilitate completion of the preliminary engineering report; assist with project development; assist with acquiring financing.

Community- Village of Holloway
Capacity development needs- resolving NOVs; contingency plan; financing for improvements.
Assistance provided- followed up with village on the revised rate study recommendation to check on implementation and discuss next steps; corresponded with village regarding plan approval for new greensand plus.
Benchmarks accomplished- backflow ordinance; site sampling plan; general total coliform sampling siting plan; backflow ordinance; capital improvements plan; valve exercising plan; hydrant flushing plan; WTP equipment condition and criticality assessment; contingency plan; resolved plan approval issue for filter media; completed asset management plan; CCR for 2022.
Effectiveness- the village has made substantial progress toward increasing their TMF capacity.
Next steps- continue assisting with plan approval for new greensand-plus in the WTP filters; provide financial review to facilitate discussions on potential regionalization; facilitate implementation of rate study.

Community- Village of Mt. Sterling
Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.
Assistance provided- assisted village with securing a proposal for a historic/architecture survey; facilitated project team meeting on 10/30/23; facilitated project team meeting on 11/09/23; communicated with consultant regarding history/architecture survey; communicated with village, project engineer, Army Corps, and consultant regarding history/architecture survey; facilitated project team meeting on 12/04/23.
Benchmarks accomplished- GIS map of distribution system; critical valve identification; valve exercising for entire distribution system; conducted Utility Management for Local Officials training for council; secured financing for water tower replacement; design loan approval; valve exercising plan and valve exercising report; unidirectional hydrant flushing plan; village-wide unidirectional hydrant flushing; water leak detection.
Effectiveness- the village has substantially increased their TMF capacity.
Next steps- complete water audit; assist village with completing water tank replacement project.

3. Report on the Special Project – "RCAP Asset Management Coaching Cohort"

During the quarter RCAP held the first two virtual training sessions of the 23-24 asset management cohort. Topics included development of an asset management team, administrative needs for asset management, metrics and best practices. An additional community was added to the group. Individual kickoff meetings were held with the participating communities. Online mapping applications were created for all the communities. Existing mapping has been evaluated and digitized for the project. The remaining 4 virtual trainings will occur over the next two quarters.

4. Report on classroom and online training provided

Classroom & Webinar Trainings				
Date	Location	Course	# Participants	# Systems
10/10/23	Webinar	Basics of Pressure Management	52	32
10/24/23	Webinar	Guiding & Funding Your Utility's Future: Part 1- Planning for Your System's Future	29	22
10/25/23	Webinar	Guiding & Funding Your Utility's Future: Part 2- Capital Improvement Plans	29	22
10/31/23	Webinar	Guiding & Funding Your Utility's Future: Part 3- Planning, Life Cycle Cost and Present Worth	30	22
11/14/23	Webinar	Lead & Copper Compliance Part 1	48	34
11/14/23	Webinar	Lead & Copper Compliance Part 2	37	25
12/07/23	Webinar	Regionalization: Running the Numbers	30	17
		Total	255	174

Self-Paced Online Trainings		
Course	# Participants	# Systems
Utility Management for Local Officials	17	9
Financial Management for Local Officials	14	7
Total	20	16

Principal Forgiveness Training	
System	PF Training Requirement Met (Y/N)
Ashtabula County	Y
Trumbull County	N
Coshocton	Y
Muskingum County	Y
Portage County	Y
Fayette	N
Bowerston	N
Wellston	N

Akron	N
Lowell	Y
Little Hocking WA	N
Pike Water	N
Manchester	N
Noble County WA	N

RCAP Quarterly Report for January 1, 2024 to March 31, 2024

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

DWAF Nominations

Addyston
Amesville
Attica
Bainbridge
Blanchester
Bloomingburg
Bloomville
Caldwell
Catawba
Coal Grove
Columbus Grove
Corning
Coshocton
Donnelsville
Dunkirk
East Canton
Fayette
Felicity
Fredericksburg
Gallia County Rural Water Association
Gallia County Rural Water Association
Gallipolis
Gallipolis
Hecla Water Association
Jamestown
Kenton
Kingston
Lakeview
Lisbon
Malvern
Matamoras
Matamoras
Milan
Morgan Meigsville Rural Water District
Mount Sterling
Nelsonville
Phillipsburg
Portersville East Branch

Putnam Community Water
Republic
Sabina
Scioto Water, Inc.
Shreve
Tri-County Water Authority
Upper Sandusky

DWAF Planning and Design Applications

Caldwell
Milan
Nelsonville

DWAF Construction Applications

None during the quarter.

Other Funder's Applications

Amesville - STAG Appropriation Request
Coal Grove - ARC
Felicity - Capital Bill
Fredericksburg - ODOD
Gallipolis - ARC
Hecla Water Association - ODOD
Hecla Water Association - US EPA STAG
Matamoras - OWDA
Milan - OPWC
Phillipsburg - SCEIG Finance Form
Shreve - OWDA
Tri-County Water Authority - ARC
Tri-County Water Authority - ODOD

b. Determining the most cost-effective option to access safe drinking water

Addyston
Attica
Bloomville
Caldwell
Catawba
Columbus Grove
Donnelsville
Dunkirk

Felicity
Gallia Counry Rural Water Association
Kenton
Marblehead
Matamoras
Milan
Noble County Water Authority
North Baltimore
Phillipsburg
Sabina
Upper Sandusky
Vanlue
Yorkville

c. Readiness to proceed issues

Addyston - Funding
Amesville - Funding
Attica - Other
Bainbridge - Funding
Bellaire - Funding
Bellaire - Other
Blanchester - Funding
Bloomingburg - Funding
Bloomville - Funding
Bloomville - Project Schedule
Caldwell - Obtaining Cost Estimates
Caldwell - Project Schedule
Catawba - Funding
Coal Grove - Funding
Columbus Grove - Funding
Corning - Completing Data Collection
Corning - Obtaining Cost Estimates
Coshocton - Funding
Danville - Funding
Dillonvale - Funding
Donnelsville - Determining most cost effective option
Donnelsville - Funding
Dunkirk - Project Schedule
East Canton - Completing Data Collection
East Canton - Project Schedule
Felicity - Funding
Fletcher - Funding
Florida - Funding

Fredericksburg - Funding
Gallia County Rural Water Association - Funding
Gallipolis - Funding
Hecla Water Association - Funding
Jamestown - Funding
Kenton - Funding
Kingston - Funding
Lakemore - Funding
Lakeview - Funding
Lakeview - Other
Lisbon - Funding
Lisbon - Project Schedule
Lowell - Funding
Madison Water District - Hiring an Engineer
Malta - Funding
Malvern - Funding
Manchester - Funding
Marblehead - Funding
Matamoras - Funding
Milan - Completing Data Collection
Milan - Funding
Milan - Obtaining Cost Estimates
Morgan Meigsville Rural Water District - Funding
Mount Sterling - Funding
Nelsonville - Funding
Noble County Water Authority - Funding
Noble County Water Authority - Gathering Supporting Documentation
Noble Water Company - Funding
North Baltimore - Funding
Peyton Community Well - Funding
Phillipsburg - Determining most cost effective option
Phillipsburg - Funding
Portersville East Branch - Funding
Putnam Community Water - Funding
Republic - Funding
Sabina - Determining most cost effective option
Sabina - Funding
Scioto Water, Inc. - Funding
Sebring - Other
Shadyside - Completing Data Collection
Shadyside - Obtaining Cost Estimates
Shiloh - Funding
Shreve - Funding

Shreve - Gathering Supporting Documentation
Tri-County Water Authority - Funding
Upper Sandusky - Funding
Washingtonville - Hiring an Engineer
Wellston - Funding
York Township Water Authority - Completing Data Collection
York Township Water Authority - Funding
Yorkville - Determining most cost effective option

d. Capacity development

Addyston - Utility Planning
Attica - Rate Study
Baltimore - Capital Improvement Plan
Blanchester - Utility Planning
Corning - Other
Corning - Financing Plan
Donnelsville - Utility Planning
Florida - Utility Planning
Jamestown - Utility Planning
Jamestown - Utility Planning
Kelleys Island - Other
Kingston - Other
Matamoras - Utility Planning
Matamoras - Rate Study
Milan - Other
Monroe Water - Utility Planning
Nelsonville - Utility Planning
Oak Hill - Utility Planning
Peyton Community Well - Utility Planning
Phillipsburg - Utility Planning
Piketon WTP - Utility Planning
Sabina - Utility Planning
Utica - Other
Wilmington - Utility Planning
York Township Water Authority - Utility Planning
York Twp / Powhatan Point - Utility Planning

2. Report on the "RCAP Team Approach"

Community- Village of Donnelsville
Capacity development needs- assistance with Qualifications Based Selection of consulting engineer; project development; financing.
Assistance provided- completed and submitted H2Ohio quarterly report; participated in council meeting on 01/16/24 and discussed next steps; drafted financing plan; drafted Ohio EPA nomination form; communicated with Clark County regarding the project; setup meeting between Ohio EPA and Clark County and facilitated that meeting on 02/28/24; completed and submitted Ohio EPA nomination; communicated with OWDA and village regarding Fund Payment Request 1 from H2Ohio for PER fees from project engineer; communicated with village regarding form needed before disbursements could be processed.
Benchmarks accomplished- assisted with QBS of consulting engineer; preliminary engineering report; Ohio EPA nomination form.
Effectiveness- TBD.
Next steps- work with Clark County and village to develop intergovernmental agreement; assist Clark County with RFQ for engineering design and construction services; assist with project development; assist with acquiring financing.

Community- Village of Holloway
Capacity development needs- resolving NOVs; contingency plan; financing for improvements.
Assistance provided- corresponded with Holloway to aid with plan approval for their new greensand plus and stressed the importance of completing this work; communicated with Holloway regarding new NOVs.
Benchmarks accomplished- backflow ordinance; site sampling plan; general total coliform sampling siting plan; backflow ordinance; capital improvements plan; valve exercising plan; hydrant flushing plan; WTP equipment condition and criticality assessment; contingency plan; resolved plan approval issue for filter media; completed asset management plan; CCR for 2022.
Effectiveness- the village has made substantial progress toward increasing their TMF capacity.
Next steps- continue assisting with plan approval for new greensand-plus in the WTP filters; provide financial review to facilitate discussions on potential regionalization; facilitate implementation of rate study.

Community- Village of Kingston
Capacity development needs- GIS mapping; LSL reporting; asset management assistance; leak detection; financing for control valve station.
Assistance provided- communicated with village and project engineer regarding control valve station project which would allow the village to abandon their water treatment plant and purchase water from Ross County Water; completed and submitted Ohio EPA nomination form for control valve station project; met with village on 03/14/24 to discuss Ohio EPA notice of violation and TMF items that need to be resolved; facilitated a project team meeting on 03/26/24 to follow-up.
Benchmarks accomplished- Ohio EPA nomination form.
Effectiveness- TBD.
Next steps- complete GIS mapping; assist with LSL reporting; assist with asset management issues; provide leak detection training; assist with acquiring financing for control valve station.

Community- Village of Mt. Sterling
Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.
Assistance provided- facilitated project team meeting on 01/08/24; communicated with the Army Corps, village, and project engineer regarding Army Corps requirements; completed and submitted Ohio EPA

nomination; facilitated project team meeting on 03/11/24; obtained an updated cost estimate from the project engineer and discussed updated estimate with project team; communicated with Army Corps and consultants regarding Army Corps financing and schedule; worked with Mt. Sterling on planning 06/11/24 Field Day Training to be held in Mt. Sterling.
Benchmarks accomplished- GIS map of distribution system; critical valve identification; valve exercising for entire distribution system; conducted Utility Management for Local Officials training for council; secured financing for water tower replacement; design loan approval; valve exercising plan and valve exercising report; unidirectional hydrant flushing plan; village-wide unidirectional hydrant flushing; water leak detection.
Effectiveness- the village has substantially increased their TMF capacity.
Next steps- conduct Field Day Training in Mt. Sterling on 06/11/24; complete water audit; assist village with completing water tank replacement project.

Community- York Township Water Authority
Capacity development needs- design loan administration; construction financing; rate study; water audit; and potentially regionalization.
Assistance provided- communicated with OWDA and provided additional information for design loan; discussed next steps for regionalization; requested up-to-date water loss information; discussed methods used for meter reading, testing schedule and data accuracy; facilitated monthly meeting with York and the engineer to provide updates on the loan application, design process and discuss questions raised by the RCAP Team; discussed developing information to complete a water audit for York Township Water Authority; collected information from the Water Authority and provided to team members; prepared an Ohio EPA construction nomination and worked with the engineer to develop a schedule; facilitated a monthly update meeting with York Township Water Authority, the engineer, and the Ohio EPA; compiled list of questions and sent them to the community regarding the water audit; scheduled a special meeting with members of the York Township Water Authority board and the engineer to continue compiling information for the water audit; met with the Village of Powhatan Point to discuss the potential for regionalization with York Township Water Authority and received a positive response.
Benchmarks accomplished- Ohio EPA nomination.
Effectiveness- TBD.
Next steps- assist with design loan administration; continue working on water audit; continue meeting with water systems regarding regionalization.

3. Report on the Special Project – “RCAP Asset Management Coaching Cohort”

During the quarter RCAP held two more group training sessions. Topics included inventory development, maintenance planning, and capital improvement. Individual work shopping meetings were held with communities. Mapping applications and a kickoff meeting were held for the community that was added during the last quarter. Check-in meetings were held with several communities to gauge progress. Two additional meetings remain for next quarter.

4. Report on classroom and online training provided

Classroom & Webinar Trainings				
Date	Location	Course	# Participants	# Systems
02/28/24	Virtual	Fundamental Mathematics for Operators Part 1	42	39
03/13/24	Virtual	Fundamental Mathematics for Operators Part 2	50	39
03/21/24	Delaware	Writing and Implementing SOPs	4	2
		Total	96	80

Self-Paced Online Trainings		
Course	# Participants	# Systems
Utility Management for Local Officials	23	6
Financial Management for Local Officials	18	5
Total	41	11

Principal Forgiveness Training	
System	PF Training Requirement Met (Y/N)
Ashtabula County	Y
Trumbull County	N
Coshocton	Y
Muskingum County	Y
Portage County	Y
Fayette	N
Bowerston	N
Wellston	N
Akron	N
Lowell	Y
Little Hocking WA	N
Pike Water	N
Manchester	Y
Noble County WA	N

RCAP Quarterly Report for April 1, 2024 to June 30, 2024

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

DWAF Nominations

Caldwell
Frazeysburg

DWAF Planning and Design Applications

Beverly
Matamoras
Phillipsburg

DWAF Construction Applications

Belpre
Dunkirk
Frazeysburg
Fredericksburg
Scioto Water, Inc.

Other Funder's Applications

Bainbridge - ARC
Blanchester - Army Corps
Bloomville - ODOD
Caldwell - ARC
Catawba - OWDA
Coal Grove - CDBG RPIG
Fayette - CDBG
Felicity - ARC
Frazeysburg - ARC
Fredericksburg - ODOD
Lisbon - ARC
Malvern - Army Corps
Matamoras - OWDA
Milan - OPWC
Portersville East Branch - ARC
Republic - OWDA
Shadyside - OPWC
Shreve - OWDA
Shreve- ODOD

Tri-County Water Authority - ARC
Wellston - CDBG

b. Determining the most cost-effective option to access safe drinking water

Addyston
Amesville
Attica
Belpre
Beverly
Bloomville
Catawba
Coal Grove
Donnelsville
Felicity
Hecla Water Association
Jamestown
Marblehead
Matamoras
Phillipsburg
Republic
Sabina
Shreve
Upper Sandusky
Wilmington

c. Readiness to proceed issues

Addyston - Funding
Amesville - Funding
Attica - Funding
Bainbridge - Funding
Bellaire - Funding
Bellaire - Project Schedule
Belpre - Completing Data Collection
Belpre - Funding
Beverly - Determining most cost effective option
Blanchester - Funding
Bloomingburg - Funding
Bloomville - Funding
Bloomville - Project Schedule
Catawba - Funding
Coal Grove - Funding
Columbus Grove - Funding

Dillonvale - Other
Donnelsville - Funding
Dunkirk - Funding
Fayette - Funding
Felicity - Funding
Fletcher - Funding
Frazeysburg - Completing Data Collection
Frazeysburg - Funding
Frazeysburg - Hiring an Engineer
Frazeysburg - Obtaining Cost Estimates
Fredericksburg - Funding
Fredericksburg - Gathering Supporting Documentation
Fredericksburg - Project Schedule
Gallia County Rural Water Association - Funding
Gallipolis - Funding
Hecla Water Association - Funding
Jamestown - Funding
Kenton - Funding
Kingston - Funding
Lakeview - Funding
Lisbon - Funding
Lisbon - Gathering Supporting Documentation
Lisbon - Project Schedule
Lodi - Funding
Lodi - Project Schedule
Malvern - Completing Data Collection
Malvern - Funding
Malvern - Gathering Supporting Documentation
Matamoras - Determining most cost effective option
Matamoras - Funding
Milan - Funding
Morgan Meigsville Rural Water District - Other
Mount Sterling - Funding
Nelsonville - Funding
Noble County Water Authority - Determining Project Alternatives
Noble County Water Authority - Funding
Noble Water Company - Funding
North Baltimore - Funding
Phillipsburg - Funding
Portersville East Branch - Funding
Putnam Community Water - Funding
Republic - Funding
Sabina - Determining most cost effective option
Sabina - Funding

Scioto Water, Inc. - Funding
Shreve - Completing Data Collection
Shreve - Funding
Tri-County Water Authority - Funding
Tri-County Water Authority - Gathering Supporting Documentation
Tri-County Water Authority - Project Schedule
Upper Sandusky - Funding
Warren Community Water - Funding
Wellston - Funding

d. Capacity development

Addyston - Utility Planning
Baltimore - Capital Improvement Plan
Belpre - Developing Budgets
Belpre - TA to Governing Board
Blanchester - Utility Planning
Catawba - Utility Planning
Corning - Utility Planning
Corning - Other
Donnelsville - Utility Planning
Florida - Rate Study
Gallia County Rural Water Association - Utility Planning
Gallipolis - Utility Planning
Holloway - Other
Jamestown - Utility Planning
Kelleys Island - Other
Kingston - Other
Kingston - Utility Planning
Lakemore - Utility Planning
Lisbon - Developing Budgets
Lodi - Utility Planning
Malvern - Developing Budgets
Marblehead - Utility Planning
Matamoras - Utility Planning
Matamoras - Rate Study
Mount Sterling - Utility Planning
Nelsonville - Utility Planning
Noble County Water Authority - TA to Governing Board
Peyton Community Well - Financing Plan
Phillipsburg - Utility Planning
Putnam Community Water - Utility Planning
Sabina - Utility Planning
Shreve - Developing Budgets

Shreve - Other
Tri-County Water Authority - Developing Budgets
Utica - TA to Governing Board
York Township Water Authority - Other
York Twp / Powhatan Point - Utility Planning

2. Report on the "RCAP Team Approach"

Community- Village of Donnelsville
Capacity development needs- assistance with Qualifications Based Selection of consulting engineer; project development; financing.
Assistance provided- completed H2Ohio quarterly report; completed OWDA disbursement 1; assisted the village with setting up their UAN fund accounting in order to pay the consultant for the preliminary engineering report; setup and facilitated a project team meeting with village and Clark County on 05/09/24; reviewed the Ohio EPA Draft Program Management Plan to determine what funding the village's project is eligible for in the new program year beginning 07/01/25; communicated with village, county, and Ohio EPA regarding project development, financing, and schedule.
Benchmarks accomplished- assisted with QBS of consulting engineer; preliminary engineering report; Ohio EPA nomination form.
Effectiveness- TBD.
Next steps- work with Clark County and village to develop intergovernmental agreement; assist Clark County with RFQ for engineering design and construction services; assist with project development; assist with acquiring financing.

Community- Village of Holloway
Capacity development needs- resolving NOVs; contingency plan; financing for improvements.
Assistance provided- communicated with village and OEPA to aid with plan approval for their new greensand plus filter media and stressed the importance of completing this work; developed complete process control SOPs for water filter operation; conducted a site visit with Holloway, OEPA, Operator of Record to discuss new SOPs, regionalization, rate study, and needed rate increases; communicated with village regarding new NOVs received and offered to assist with correcting; communicated with village regarding new SOPs for the filter operations, CCR, and installation of the new furnace; continued to work with village on rate study and possible regionalization with Belmont County; communicated with village and OEPA regarding enacting process control SOPs that RCAP developed for operating the water plant filters and chemical feed system.
Benchmarks accomplished- backflow ordinance; site sampling plan; general total coliform sampling siting plan; backflow ordinance; capital improvements plan; valve exercising plan; hydrant flushing plan; WTP equipment condition and criticality assessment; contingency plan; resolved plan approval issue for filter media; completed asset management plan; CCR for 2022; developed various SOPs.
Effectiveness- the village has made substantial progress toward increasing their TMF capacity.
Next steps- this project will be removed from Intensive Technical Assistance and further assistance will continue under regular Ohio EPA technical assistance.

Community- Village of Kingston
Capacity development needs- GIS mapping; LSL reporting; asset management assistance; leak detection; financing for control valve station.
Assistance provided- communicated with village to aid in correcting OEPA NOVs and achieving compliance; sent village template SOPs for valve exercising, backflow prevention, hydrant flushing,

contingency plan, site sampling plan, and others; worked with village regarding possible system upgrades; facilitated project team meeting on 05/14/24 and communicated with village regarding acquiring financing for the control valve station; facilitated project team meeting on 06/25/24; reviewed the Ohio EPA Draft Program Management Plan to determine what funding the village's project is eligible for in the new program year beginning 07/01/25; communicated with the village and project engineer regarding financing and schedule.
Benchmarks accomplished- Ohio EPA nomination form.
Effectiveness- TBD.
Next steps- complete GIS mapping; assist with asset management issues; provide leak detection training; assist with acquiring financing for control valve station.

Community- Village of Mt. Sterling
Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.
Assistance provided- facilitated project team meeting on 04/09/24; communicated with the village and the Army Corps regarding the project schedule and anticipated Ohio EPA loan; communicated with village, project engineer, and Army Corps regarding project review by Corps; facilitated project team meeting on 05/14/24; prepared a disbursement log to use during final design and construction; reviewed the Ohio EPA Draft Program Management Plan to determine what funding the village's project is eligible for in the new program year beginning 07/01/25; facilitated project team meeting on 06/25/24; communicated with the village, project engineer, and Army Corps regarding financing and schedule.
Benchmarks accomplished- GIS map of distribution system; critical valve identification; valve exercising for entire distribution system; conducted Utility Management for Local Officials training for council; secured financing for water tower replacement; design loan approval; valve exercising plan and valve exercising report; unidirectional hydrant flushing plan; village-wide unidirectional hydrant flushing; water leak detection.
Effectiveness- the village has substantially increased their TMF capacity.
Next steps- complete water audit; assist village with completing water tank replacement project.

Community- York Township Water Authority
Capacity development needs- design loan administration; construction financing; rate study; water audit; and potentially regionalization.
Assistance provided- met with the water system operator, engineer and billing clerk; provided water audit findings on 5/20/24; completed a combined financial analysis to show the impact of regionalization of York Twp with Powhatan Point. Powhatan Point is only willing to proceed with regionalization if they can get some assurance that the water loss and pressure problems in the York Twp system can be adequately addressed. Without principal forgiveness and other grant assistance, a potential regionalization will not proceed due to the lack of capacity for the village to take on additional debt once the township system is absorbed. For now, York Twp must continue operating on their own.
Benchmarks accomplished- Ohio EPA nomination; water audit; financial analysis.
Effectiveness- TBD.
Next steps- assist with design loan administration; continue meeting with water systems regarding regionalization.

3. Report on the Special Project – "RCAP Asset Management Coaching Cohort"

During the quarter RCAP held the final two group training sessions virtually. These trainings covered the financial portions of asset management planning, including development of 5-year history and projection. Communities were trained on how to input data and how to use the proforma to identify high-level trends of utility financial health. Participating communities were also trained on how to complete the contingency plan and source water protection aspects of the asset management rule. A discussion of how to present the asset management plan findings to utility governing boards was also presented. Presentations of asset management plans to boards were scheduled. The 2023-2024 cohort is now complete.

4. Report on classroom and online training provided

Classroom & Webinar Trainings				
Date	Location	Course	# Participants	# Systems
05/08/24	Virtual	Pressure Management for Water Loss Control	57	42
05/14/24	Marietta	101 Utility Management for Local Officials	23	10
05/15/24	Marietta	201 Financial Management for Local Officials	27	12
05/16/24	Virtual	Managing the Construction Process: Pre-Construction	17	9
05/22/24	Mt. Vernon	Shared Services & Regional Solutions	4	4
06/04/24	Virtual	Distribution Math for Operators	50	37
06/05/24	Virtual	Treatment Math for Operators	48	36
06/06/24	Delaware	Contingency Planning Workshop	9	6
06/11/24	Mt. Sterling	Field Day	48	27
06/13/24	Virtual	Update Your Contingency Plan	30	21
		Total	313	204

Self-Paced Online Trainings		
Course	# Participants	# Systems
Utility Management for Local Officials	12	8
Financial Management for Local Officials	15	9
Total	27	17

Principal Forgiveness Training	
System	PF Training Requirement Met (Y/N)
Ashtabula County	Y
Trumbull County	N
Coshocton	Y
Muskingum County	Y
Portage County	Y
Fayette	N
Bowerston	Y
Wellston	N
Akron	N
Lowell	Y
Little Hocking WA	N
Pike Water	N
Manchester	Y
Noble County WA	Y

Appendix E

OEPA SRF T/TA Program
23-24' PY: Effective Dates 7/1/23 – 6/30/24
Final Progress Report

Training and Workforce Development (Proposed 6 Classes; Conducted 11)

Classes:

- **Webinar** - Water Operator Certification Exam Prep. – July, 2023
- **Webinar** - Understanding the Safe Drinking Water Act – July, 2023
- **Zanesville** - Ductile Iron Pipe for Water Utilities – August, 2023
- **Gallipolis** - Adding Valve Exercising to Normal System Maintenance – August, 2023
- **Utica** - Leak Detection and Line Locating for Water and Wastewater Utilities: History, Equipment and Theory – September, 2023
- **Webinar** - Water Operator Certification Training – October, 2023
- **Ironton** - Water Operator Certification Training – November, 2023
- **Webinar** - Water Operator Certification Training – December, 2023
- **Webinar** - Water Operator Certification Exam Prep. – December, 2023
- **Webinar** - Water Operator Certification Training - January, 2024
- **Powhatan Point** - Water Operator Certification Exam Prep. – June, 2024

Program Development:

- Updated and provided Exam Prep. Materials for Clarington's operators to study for water and wastewater exam prep.
- Program Development - Continued to Develop, Refine, and Improve Training Materials and Resources for: Rate Studies, Operator Training, and Certification Exam Reviews.

Technical Assistance (Proposed 5 Unique Systems; Assisted 13)

Water Rate Studies:

- **Kettlersville** - Meeting with Kettlersville water management to update the rate study and set up accounting software and budget format. Traveled to Kettlersville to present rate study finding to village council.
- **Payne** - Work on updates to Payne rate study. Reviewed rate study updates with Payne administartion.
- **Zaleski** - Meeting to review new data for rate study update. Evaluate grant options and revenue trend analysis.
- **Roaming Shores** - Update to rate study including new rate classification calculations. Finalizing & Presenting original Rate Study. Working with Village Administration and Council to Update Rate Study based on new information. Reviewed revised rate study spreadsheets from Lukas the Roaming Shores administrator in preparation of the presentation to council, prepared for council presentation, and presented rate study to the Roaming Shores council.
- **Orrville** - Travelled to Orrville to discuss a possible rate study. Discussion turned to a rate framework analysis as to how they were billing.

On-Site Technical Assistance:

- **South Amherst** - water system operation and personnel structure of the water department

- **Arlington** - problems with lagoon and how to address bulking and algae issues
- **Zaleski** – Provided assistance with evaluating grant options and revenue trend analysis.
- **Vinton County** - Engineering options and funding requirements.
- **Apple Creek** - System analysis and SCADA evaluation to improve operations. Researching and evaluating grant options to fund Apple Creek SCADA upgrade. Assess their failing SCADA system.
- **Tuscarawas** - Scan of the treatment lagoons for sludge depth analysis.
- **Kellys Island** - Initial water loss analysis.

New Operator Training:

- **South Amherst** - Review of South Amherst's operator job duties and description in order to provide a training support plan for their new operator of record.

Operational Optimization Consultation:

- **Greenwich** – Initial inspection of lagoon treatment system performance.
- **Apple Creek** – Call with Axiom to discuss the Apple Creek SCADA upgrade grant scope and the details of the grant application and submission dates, and working on the grant application for the Apple Creek SCADA upgrade.
- **Pemberville** - Met with Pemberville to discuss council board training and other technical assistance opportunities.

Program Expenses

Month 1 (July 23') = $13,173.91
Month 2 (August 23') = $10,470.30
Month 3 (September 23') = $5,409.67
Month 4 (October 23') = $5,571.33
Month 5 (November 23') = $6,181.90
Month 6 (December 23') = $4,807.47
Month 7 (January 24') = $4,947.67
Month 8 (February 24') = $5,501.14
Month 9 (March 24') = $4,502.60
Month 10 (April 24') = $5,393.86
Month 11 (May 24') = $5,736.03
Month 12 (June 24') = $6,675.61

Total 23-24' Program Year Expenses = $78,371.49

Appendix F

DWAF PRINCIPAL FORGIVENESS BY FUNDING SOURCE

Name	Project Name	PF Amount	System User Population	Grant Program
Ashtabula County	Lenox New Lyme Waterline Extension	$ 174,000.00	14,200	Base/Supplemental
Brown County Rural Water Association	Village of Ripley / Ripley Union Water System Improvements	$ 2,723,025.00	28,299	Base/Supplemental
East Palestine	Waterline Replacement Project	$ 2,302,755.00	4,493	Base/Supplemental
Fairport Harbor	Water System Regionalization	$ 2,210,000.00	3,180	Base/Supplemental
Lisbon	Water Tank & North End Pressure Improvements	$ 1,633,875.00	2,695	Base/Supplemental
Lowell	Water Tank and Watermain Replacement	$ 99,900.00	538	Base/Supplemental
Manchester	Water Line Improvements Phase 2	$ 1,649,669.60	1,790	Base/Supplemental
Muskingum County	Norfield and Arch Hill Waterline Extension	$ 870,600.00	22,000	Base/Supplemental
Muskingum County	Philo, Virginia Ridge and Irish Ridge Rd Main Extension	$ 1,605,775.00	21,464	Base/Supplemental
Piketon	Piketon Water Treatment Plant	$ 3,994,717.00	2,139	Base/Supplemental
Rittman	Water Transmission Main Replacement	$ 953,452.03	6,503	Base/Supplemental
Tuppers Plains/Chester Water District	Young, Featherstone, and Blackwood Rd. Water Line Extensions	$ 789,887.45	16,087	Base/Supplemental
Walnut Creek Water Company	Cherry Ridge Water Line Extension	$ 558,044.33	1,437	Base/Supplemental
Total		**$ 19,565,700.41**	**124,825**	

Name	Project Name	PF Amount	System User Population	Grant Program
Caldwell	WTP, Raw Water Supply and Distribution (East Tank)	$ 1,000,000.00	2,334	Emerging Contaminants
Dayton	36" Raw Water Main within Miami Wellfield - EC	$ 836,104.50	140,444	Emerging Contaminants
Dayton	48" Interconnect between Miami Wellfield and Ottawa Plant	$ 2,268,383.04	140,000	Emerging Contaminants
Dayton	End of Pipe Treatment at Ottawa Treatment Plant - EC	$ 3,500,000.00	140,444	Emerging Contaminants
Dayton	Installation of 4 Production Wells at Miami Wellfield - EC	$ 6,000,000.00	140,444	Emerging Contaminants

DWAF PRINCIPAL FORGIVENESS BY FUNDING SOURCE

Dayton	Miami Wellfield Fate and Transport Study - EC	$ 1,000,000.00	140,444	Emerging Contaminants
Dayton	Raw WL at Intersection of Needmore and Wagner Ford Road	$ 1,575,273.05	140,444	Emerging Contaminants
Dayton	Water Quality Lab Expansion	$ 360,000.00	140,444	Emerging Contaminants
Lowell	Lowell Water Treatment Plant Installation	$ 2,011,791.00	638	Emerging Contaminants
New Richmond	PFAS Evaluation and Treatment	$ 50,000.00	2,684	Emerging Contaminants
South Point	New Source Well	$ 694,000.00	3,130	Emerging Contaminants
Warren County	Granular Activated Carbon Upgrades	$ 15,600.00	14,700	Emerging Contaminants
Total		**$ 19,311,151.59**	**1,006,150**	

Name	**Project Name**	**PF Amount**	**System User Population**	**Grant Program**
Akron	Lead Service Line Replacement Program 2023	$ 2,628,294.38	300,000	Lead Service Line
Aqua Ohio Inc.	Ashtabula Lead Service Line Replacement	$ 255,055.72	18,091	Lead Service Line
Aqua Ohio Inc.	Struthers Lead Service Line Replacement	$ 68,343.50	10,058	Lead Service Line
Cincinnati	Apple - Hanfield Area Water Main Replacement	$ 124,815.79	302,687	Lead Service Line
Cincinnati	Cappel - Hermosa Area Waterline Replacement	$ 162,180.00	301,394	Lead Service Line
Cincinnati	Carson - Fairbanks Area Waterline Replacement	$ 166,155.00	301,394	Lead Service Line
Cincinnati	CUF McMicken - Enslin Water Main Replacement	$ 184,970.00	302,687	Lead Service Line
Cincinnati	Fairview - Probasco Area Water Main Replacement	$ 273,618.37	302,687	Lead Service Line
Cincinnati	Fire Flow Collection Waterline Replacement	$ 404,470.89	308,664	Lead Service Line
Cleveland	CWD 2022 LSLR Special Cases	$ 3,487,769.20	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-1	$ 3,522,713.90	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-10 Supplies - Copper & Brass	$ 799,989.16	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-10 Supplies - Curb Boxes	$ 362,551.80	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-10 Supplies - Filters	$ 313,230.00	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-2	$ 3,522,713.90	1,308,955	Lead Service Line

DWAF PRINCIPAL FORGIVENESS BY FUNDING SOURCE

Cleveland	CWD LSLR 2023-3	$ 1,585,090.82	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-4	$ 1,697,715.82	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-5	$ 677,997.54	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-6	$ 677,976.56	1,308,955	Lead Service Line
Cleveland	CWD LSLR 2023-8 Special Cases-1	$ 2,042,588.12	1,308,955	Lead Service Line
Dayton	LSL Compliance Phase 2	$ 343,972.65	140,444	Lead Service Line
Delphos	Cass & Central Lead Service Line Replacement	$ 133,714.19	7,066	Lead Service Line
East Palestine	Waterline Replacement Project	$ 129,812.83	4,493	Lead Service Line
Elyria	City of Elyria Lead Service Line Replacement Project #3	$ 629,071.58	53,910	Lead Service Line
Fayette	Lead Service Line Replacement - Phase 1	$ 217,830.00	1,250	Lead Service Line
Hillsboro	2023 High Street LSL Replacement	$ 600,967.00	6,535	Lead Service Line
Lakewood	2023 Watermain & Lead Service Replacement	$ 397,102.50	50,002	Lead Service Line
Lima	Lead Service Line Replacement - Phase 1	$ 1,590,000.00	75,000	Lead Service Line
Lorain	2023 Lead Service line Replacement Project	$ 2,740,062.90	63,832	Lead Service Line
Marietta	Lead Service Line Investigations	$ 400,000.00	13,551	Lead Service Line
New London	Coleman Court/Clinton Street Lead Waterline Replacement	$ 27,200.82	2,543	Lead Service Line
Newark	Lead Service Line Replacement Project #3	$ 923,621.46	19,425	Lead Service Line
Newark	Lead Service Line Replacement Project #4	$ 1,264,519.05	19,425	Lead Service Line
Northwestern Water & Sewer District	Rossford Waterline Replacement	$ 87,518.87	72,000	Lead Service Line
Pomeroy	Lead Service Lines Phase 2	$ 278,854.89	1,752	Lead Service Line
Springfield	Northern Avenue Utilities Upgrades	$ 538,612.01	59,132	Lead Service Line
Toledo	City of Toledo Leadline Replacement Program	$ 1,060,000.00	268,508	Lead Service Line
Warren	2022 Waterline Replacement Program (Area A)	$ 107,805.07	55,500	Lead Service Line
West Milton	Miami Street Water Main and LSL Replacement	$ 164,008.50	4,790	Lead Service Line
West Union	North Street Water Line Replacement	$ 92,869.47	2,616	Lead Service Line
Youngstown	Lead Service Line Replacement	$ 1,545,007.50	64,152	Lead Service Line
Pomeroy	Water System Improvements	$ 6,051.00	1,786	WIFTA
Total		**$ 36,236,842.76**	**17,533,879**	

Appendix G

PY 2024 DWAF BINDING COMMITMENTS

Name	Project Name	Funding Type	Loan Type	Award Amount	PF Amount	Interest Rate (%)
Pomeroy	Water System Improvements	WSRLA	Construction	$ 18,353.48	$ 6,051.00	0.00%
Columbus	Fourth WTP Transmission Main CIP 690502-100001	WSRLA	Design	$ 913,401.81		0.00%
Columbus	Fourth WTP Transmission Main CIP 690502-100001	WSRLA	Design	$ 1,507,356.77		0.00%
Greene County	Watermain Imps Bun. 2 - Darst, Sunbeam, and Beaver Valley WM	WSRLA	Construction	$ 196,295.00		2.86%
Miamisburg	WTF Softening Improvements Well #14	WSRLA	Design	$ 633,438.00		0.00%
Warren County	Granular Activated Carbon Upgrades	WSRLA	Planning	$ 15,600.00	$ 15,600.00	0.00%
Muskingum County	Norfield and Arch Hill Waterline Extension	WSRLA	Construction	$ 1,772,333.85	$ 870,600.00	0.00%
Lowell	Lowell Water Treatment Plant Installation	WSRLA	Construction	$ 2,267,633.90	$ 2,011,791.00	0.00%
Put-in-Bay	Elevated Water Storage Tank Rehab Improvements	WSRLA	Construction	$ 623,477.00		2.00%
Wakeman	Farmer Street and Cooper Street Waterline Improvements	WSRLA	Construction	$ 310,360.00		2.00%
Piketon	Piketon Water Treatment Plant	WSRLA	Construction	$ 12,394,813.00	$ 3,994,717.00	0.00%
Walnut Creek Wate	Cherry Ridge Water Line Extension	WSRLA	Construction	$ 558,044.33	$ 558,044.33	0.00%
Caldwell	WTP, Raw Water Supply and Distribution (East Tank)	WSRLA	Design	$ 1,183,306.00	$ 1,000,000.00	0.00%
Rittman	Water Transmission Main Replacement	WSRLA	Construction	$ 1,923,113.06	$ 953,452.03	0.00%
Middletown	Lime Pond Rehabilitation	WSRLA	Construction	$ 3,728,119.00		2.50%
Danville	Market Street Water Line Improvements Project	WSRLA	Design	$ 70,945.00		0.00%
East Palestine	Waterline Replacement Project	WSRLA	Construction	$ 4,497,326.81	$ 2,432,567.83	0.00%
Brown County Rura	Village of Ripley / Ripley Union Water System Improvements	WSRLA	Construction	$ 8,328,522.04	$ 2,723,025.00	0.00%
Newark	Lead Service Line Replacement Project #3	WSRLA	Construction	$ 1,878,592.00	$ 923,621.46	0.00%
Marietta	Lead Service Line Investigations	WSRLA	Planning	$ 400,000.00	$ 400,000.00	0.00%
Elyria	City of Elyria Lead Service Line Replacement Project #3	WSRLA	Construction	$ 1,196,660.50	$ 629,071.58	0.00%
Greene County	Watermain Improvements Bundle 6 - Wagner, Kemp, PRV	WSRLA	Construction	$ 1,908,253.40	$ -	2.70%
Greene County	Watermain Improvements Bundle 6 - Wagner, Kemp, PRV	WSRLA	Construction	$ 164,465.00		2.86%
Tuppers Plains/Che	Young, Featherstone, and Blackwood Rd. Water Line Extensions	WSRLA	Construction	$ 1,086,452.89	$ 789,887.45	0.00%
Muskingum County	Philo, Virginia Ridge and Irish Ridge Rd Main Extension	WSRLA	Construction	$ 7,237,225.75	$ 1,605,775.00	0.00%
West Union	North Street Water Line Replacement	WSRLA	Construction	$ 1,654,764.60	$ 92,869.47	1.96%
Lisbon	Water Tank & North End Pressure Improvements	WSRLA	Construction	$ 4,507,964.00	$ 1,633,875.00	0.00%
Toledo	City of Toledo Leadline Replacement Program	WSRLA	Construction	$ 2,016,400.00	$ 1,060,000.00	0.00%
Dayton	End of Pipe Treatment at Ottawa Treatment Plant - EC	WSRLA	Planning	$ 3,500,000.00	$ 3,500,000.00	0.00%
Fairport Harbor	Water System Regionalization	WSRLA	Construction	$ 4,737,706.62	$ 2,210,000.00	0.00%
Dayton	36" Raw Water Main within Miami Wellfield - EC	WSRLA	Design	$ 836,104.50	$ 836,104.50	0.00%
Middlefield	Raw Water Line - Well #3	WSRLA	Construction	$ 230,150.83		2.12%
Lakewood	2023 Watermain & Lead Service Replacement	WSRLA	Construction	$ 755,394.00	$ 397,102.50	0.00%
Columbus	DRWP Laboratory Upgrades CIP 690523-100000	WSRLA	Construction	$ 1,731,970.00		2.62%
Columbus	Fourth Water Plant - Design Mod 1- CIP# 690600--100000	WSRLA	Planning	$ 19,670,864.00		0.00%
Lorain	Water Main Replacement Year 2	WSRLA	Design	$ 750,000.00		0.00%
Glendale	Water Treatment System Upgrades	WSRLA	Design	$ 322,293.00		0.00%
Wellington	West Street Improvements	WSRLA	Design	$ 53,044.24		0.00%
Columbus	HCWP Lime & Soda Ash Dust Coll Sys Imprs CIP #690545-100000	WSRLA	Construction	$ 3,207,525.00		2.62%
Warren	2022 Waterline Replacement Program (Area A)	WSRLA	Construction	$ 1,856,986.00	$ 107,805.07	2.33%

West Milton	Miami Street Water Main and LSL Replacement	WSRLA	Construction	$ 1,445,637.00	$ 164,008.50	1.83%
Delphos	Cass & Central Lead Service Line Replacement	WSRLA	Construction	$ 319,835.00	$ 133,714.19	0.46%
Dayton	LSL Compliance Phase 2	WSRLA	Planning	$ 654,327.00	$ 343,972.65	0.00%
Fayette	Lead Service Line Replacement - Phase 1	WSRLA	Construction	$ 414,370.00	$ 217,830.00	0.00%
New Richmond	PFAS Evaluation and Treatment	WSRLA	Planning	$ 50,000.00	$ 50,000.00	0.00%
Lorain	2023 Lead Service line Replacement Project	WSRLA	Construction	$ 5,212,323.00	$ 2,740,062.90	0.00%
Silver Lake	Lead Service Line Replacement	WSRLA	Design	$ 50,168.00		0.00%
Cincinnati	Cappel - Hermosa Area Waterline Replacement	WSRLA	Construction	$ 3,149,832.18	$ 162,180.00	2.40%
Columbus	Atwood Terrace Area WL Improvements, CIP 690236-100099	WSRLA	Construction	$ 5,263,903.50		2.66%
Grafton	Washington Drive Waterline Replacement	WSRLA	Construction	$ 341,717.00		2.16%
DeGraff	Water Treatment Plant Rehabilitation	WSRLA	Construction	$ 1,000,212.21		2.36%
Hillsboro	2023 High Street LSL Replacement	WSRLA	Construction	$ 1,143,199.00	$ 600,967.00	0.00%
Dayton	Raw WL at Intersection of Needmore and Wagner Ford Road	WSRLA	Construction	$ 1,575,273.05	$ 1,575,273.05	0.00%
Attica	Regionalization with Willard	WSRLA	Planning	$ 15,202.00		0.00%
Trenton	Water System - 1.5 MG Elevated Storage	WSRLA	Design	$ 342,056.00		0.00%
Cincinnati	CUF McMicken - Enslin Water Main Replacement	WSRLA	Construction	$ 2,851,790.14	$ 184,970.00	2.37%
Conneaut	Clark Street Water Tower Replacement	WSRLA	Design	$ 285,402.00		0.00%
Ashtabula County	SR 307 and College Street Waterline Replacement	WSRLA	Construction	$ 890,493.22		2.70%
Elmore	Water System Optimal Corrosion Control Study	WSRLA	Planning	$ 27,871.00		0.00%
Lowell	Water Tank and Watermain Replacement	WSRLA	Design	$ 107,040.00	$ 99,900.00	0.00%
Gnadenhutten	Water Treatment Plant	WSRLA	Construction	$ 628,548.00		2.20%
Granville	WTP Lime Sludge Holding Improvements	WSRLA	Design	$ 160,538.00		0.00%
Jefferson County	J and Bloomingdale Water Storage Tanks Rehabilitation	WSRLA	Construction	$ 1,624,140.22		2.90%
Springfield	Northern Avenue Utilities Upgrades	WSRLA	Construction	$ 1,163,294.50	$ 538,612.01	0.34%
Greene County	Watermain Imps Bun. 3 - Membrane Concentrate Discharge Wtrmn	WSRLA	Construction	$ 3,409,644.00		3.08%
Bloomingburg	Bloomingburg Water Treatment Plant Replacement	WSRLA	Design	$ 254,034.00		0.00%
Cleveland	CWD 2022 LSLR Special Cases	WSRLA	Construction	$ 6,634,658.60	$ 3,487,769.20	0.00%
Ashtabula County	Water Storage Tank Improvements	WSRLA	Construction	$ 1,008,027.00		2.88%
Ashtabula County	Lenox New Lyme Waterline Extension	WSRLA	Design	$ 174,000.00	$ 174,000.00	0.00%
Gallipolis	Waterline Replacement	WSRLA	Design	$ 806,949.00		0.00%
Versailles	Reed Road Well Field Transmission Line	WSRLA	Construction	$ 2,525,777.00		2.58%
Fletcher	New Water Tower	WSRLA	Construction	$ 287,147.54		2.58%
Oregon	Water Line Repl. Program - Seaman Rd, Norden Rd, and Wynn Rd	WSRLA	Construction	$ 3,407,406.77		2.88%
Steubenville	West End Water Project	WSRLA	Construction	$ 11,204,242.00		2.88%
West Carrollton	WTP Improvements	WSRLA	Design	$ 603,387.00		0.00%
Akron	Lead Service Line Replacement Program 2023	WSRLA	Construction	$ 4,999,710.00	$ 2,628,294.38	0.00%
South Point	New Source Well	WSRLA	Construction	$ 694,000.00	$ 694,000.00	2.58%
London	North Main Street Waterline Replacement	WSRLA	Construction	$ 1,561,862.60		3.11%
South Point	Water Line Improvements Phase 3 & Meters	WSRLA	Construction	$ 3,262,931.25		3.11%
Lakemore	New Water Storage Tower	WSRLA	Construction	$ 3,558,398.00		3.11%
Youngstown	Lead Service Line Replacement	WSRLA	Construction	$ 2,939,012.50	$ 1,545,007.50	0.00%
Bowling Green	The Village Subdivision Waterline Improvements	WSRLA	Construction	$ 2,879,444.79		3.43%

Marshallville	Water Treatment Plant Replacement	WSRLA	Construction	$	3,208,121.97		3.11%
Middlefield	Water Well No. 3 Completion	WSRLA	Construction	$	735,294.00		3.11%
Russells Point	Water Meter Replacement	WSRLA	Construction	$	766,789.35		3.11%
Steubenville	Maryland Avenue Water Tank Rehab	WSRLA	Construction	$	996,163.00		3.43%
Belpre	Water Tank Supply Main and Various WM Replacements	WSRLA	Design	$	101,755.00		0.00%
Brookville	Wolf Creek Street Waterline Replacement	WSRLA	Construction	$	482,714.00		3.11%
Pomeroy	Lead Service Lines Phase 2	WSRLA	Construction	$	530,455.30	$ 278,854.89	0.00%
Cleveland	CWD LSLR 2023-10 Supplies - Curb Boxes	WSRLA	Construction	$	689,669.00	$ 362,551.80	0.00%
Kenton	Downtown Revitalization Phase 2 (WL and LSLR)	WSRLA	Construction	$	498,193.60		0.00%
Glenmont	Water Line and Household Lead Line Replacement	WSRLA	Construction	$	420,974.00		3.11%
Akron	Archwood Pumping Station Improvement	WSRLA	Construction	$	1,299,666.50		3.61%
Franklin	Franklin Community Park Tank and Booster Station	WSRLA	Construction	$	3,164,762.10		3.34%
Minerva	Water Meter Replacement	WSRLA	Construction	$	628,067.47		2.58%
Willard	Water System Improvements - WTP	WSRLA	Construction	$	6,372,007.30		2.58%
Manchester	Water Line Improvements Phase 2	WSRLA	Construction	$	3,327,383.34	$ 1,649,669.60	0.00%
Dayton	Installation of 4 Production Wells at Miami Wellfield - EC	WSRLA	Construction	$	8,050,868.00	$ 6,000,000.00	0.00%
Columbus	Miller Ave Area WL Imprs CIP 690236-100122	WSRLA	Construction	$	3,551,167.48		3.08%
Cleveland	CWD LSLR 2023-10 Supplies - Copper & Brass	WSRLA	Construction	$	1,521,790.51	$ 799,989.16	0.00%
Columbus	Lee Ellen Pl. Area WL Imprs, CIP 690236-100128	WSRLA	Construction	$	3,793,415.35		3.08%
Dayton	Water Quality Lab Expansion	WSRLA	Design	$	360,000.00	$ 360,000.00	0.00%
Dayton	48" Interconnect between Miami Wellfield and Ottawa Plant	WSRLA	Design	$	2,268,383.04	$ 2,268,383.04	0.00%
Lima	Lead Service Line Replacement - Phase 1	WSRLA	Construction	$	3,024,600.00	$ 1,590,000.00	0.00%
Greenville	New Water Tower - East	WSRLA	Design	$	257,277.00		0.00%
Newark	Lead Service Line Replacement Project #4	WSRLA	Construction	$	2,405,449.00	$ 1,264,519.05	0.00%
Hillsboro	2023 Water System Improvements	WSRLA	Construction	$	1,285,046.78		2.84%
Hubbard	2023 Waterline Replacement Project	WSRLA	Construction	$	704,893.00		1.97%
Akron	Water Resiliency Plan Update	WSRLA	Planning	$	331,832.00		0.00%
Columbus	Riverview Dr. Area WL Imprs, CIP 690236-100125	WSRLA	Construction	$	4,315,703.43		2.47%
Elmore	Regional Water Supply Connection	WSRLA	Construction	$	702,014.00		0.00%
Sandusky County	Rice Township Water Improvements	WSRLA	Planning	$	190,086.00		0.00%
Cincinnati	Apple - Hanfield Area Water Main Replacement	WSRLA	Construction	$	3,374,738.76	$ 124,815.79	2.30%
Shiloh	Water Line, Meter, and Tank Dismantling Project	WSRLA	Construction	$	1,009,499.00		2.27%
Cincinnati	Carson - Fairbanks Area Waterline Replacement	WSRLA	Construction	$	3,667,935.48	$ 166,155.00	2.26%
Marietta	S.R. 7 North Transmission Main	WSRLA	Planning	$	253,375.00		0.00%
Dayton	Miami Wellfield Fate and Transport Study - EC	WSRLA	Planning	$	1,000,000.00	$ 1,000,000.00	0.00%
Bradner	East & Evans Waterline Replacement	WSRLA	Construction	$	353,017.74		1.92%
Seville	Center Street Waterline Replacement	WSRLA	Construction	$	503,309.10		1.92%
Cleveland	CWD LSLR 2023-8 Special Cases-1	WSRLA	Construction	$	3,885,541.85	$ 2,042,588.12	0.00%
Cleveland	CWD LSLR 2023-1	WSRLA	Construction	$	6,701,132.00	$ 3,522,713.90	0.00%
Cleveland	CWD LSLR 2023-2	WSRLA	Construction	$	6,701,132.00	$ 3,522,713.90	0.00%
Cleveland	CWD LSLR 2023-3	WSRLA	Construction	$	3,015,261.40	$ 1,585,090.82	0.00%
Cleveland	CWD LSLR 2023-4	WSRLA	Construction	$	3,229,504.40	$ 1,697,715.82	0.00%

Cleveland	CWD LSLR 2023-5	WSRLA	Construction	$ 1,289,730.65	$ 677,997.54	0.00%
Cleveland	CWD LSLR 2023-6	WSRLA	Construction	$ 1,289,690.05	$ 677,976.56	0.00%
Malta	2022 Water Distribution System Improvements	WSRLA	Construction	$ 78,595.81		2.20%
Columbus	Elizabeth Ave Area WL Imprs CIP 690236-100132	WSRLA	Construction	$ 4,386,413.75		2.42%
Beaverdam	Prospect Street Water Main Replacement	WSRLA	Construction	$ 322,615.55		2.20%
Cuyahoga Falls	WTP Sand Filter Improvements	WSRLA	Construction	$ 871,574.00		2.42%
Richwood	Water Treatment Plant Upgrades	WSRLA	Construction	$ 1,682,213.73		2.20%
Nelsonville	Water System Improvements Phase 3	WSRLA	Design	$ 281,652.00		0.00%
Willard	US 224 Water Tower Rehabilitation and Coating	WSRLA	Construction	$ 588,235.00		1.98%
Cincinnati	Fire Flow Collection Waterline Replacement	WSRLA	Construction	$ 3,428,858.82	$ 404,470.89	1.92%
Cincinnati	Fairview - Probasco Area Water Main Replacement	WSRLA	Construction	$ 3,871,143.09	$ 273,618.37	2.15%
Midvale	Meters and Waterline	WSRLA	Construction	$ 1,998,370.48		0.00%
Ansonia	Water Tower Replacement	WSRLA	Design	$ 84,019.00		0.00%
Cleveland	CWD LSLR 2023-10 Supplies - Filters	WSRLA	Construction	$ 595,846.00	$ 313,230.00	0.00%
Aqua Ohio Inc.	Struthers Lead Service Line Replacement	WSRLA	Construction	$ 130,007.00	$ 68,343.50	0.00%
Aqua Ohio Inc.	Ashtabula Lead Service Line Replacement	WSRLA	Construction	$ 485,183.20	$ 255,055.72	0.00%
Northwestern Wate	Rossford Waterline Replacement	WSRLA	Construction	$ 2,408,774.75	$ 87,518.87	2.31%
Middletown	Flemming Road Watermain Replacement	WSRLA	Construction	$ 3,073,320.85		2.88%
Somerset	Water Meter Replacement	WSRLA	Design	$ 35,472.00		0.00%
Bowling Green	South Main Street Waterline Improvements	WSRLA	Construction	$ 3,865,180.60		2.60%
Somerset	Waterline Replacement	WSRLA	Design	$ 121,620.00		0.00%
New London	Coleman Court/Clinton Street Lead Waterline Replacement	WSRLA	Construction	$ 172,873.28	$ 27,200.82	1.47%
Canton	Canton Water Dept. Service Center Shop Renovations	WSRLA	Construction	$ 2,087,230.00		2.60%
Germantown	Fire Hydrant and Valve Replacement, Phase 1	WSRLA	Construction	$ 540,000.00		2.38%
148				**$ 302,940,667.31**	**$ 75,113,694.76**	