



**DRINKING WATER ASSISTANCE FUND
PROGRAM YEAR 2023 ANNUAL REPORT**



**DIVISION OF
ENVIRONMENTAL AND
FINANCIAL ASSISTANCE**

**DIVISION OF DRINKING AND
GROUND WATERS**

**DRINKING WATER
ASSISTANCE FUND**

SEPTEMBER 2023

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STATE OF OHIO
DRINKING WATER ASSISTANCE FUND
ANNUAL REPORT TO U.S. EPA, REGION V
FOR PROGRAM YEAR 2023 (July 1, 2022 – June 30, 2023)

I. INTRODUCTION

The state of Ohio is pleased to submit the Ohio Drinking Water Assistance Fund (DWAf) Annual Report for Program Year (PY) 2023. This report addresses operation of the DWAf during the period from July 1, 2022 through June 30, 2023. During that period, Ohio was awarded the 2022 capitalization grant funds and has met the capitalization grant requirements. Ohio EPA was also awarded Supplemental, Lead Service Line, and Emerging Contaminants grants through the Bipartisan Infrastructure Law (BIL) Grant Program.

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 2023. 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 2023, all pertinent short-term and long-term goals of the program were met. A total of 136 binding commitments in the amount of \$618,090,878 were made. The 136 binding commitments undertaken by Ohio EPA funded a total of 132 projects which included 4 supplemental loans awarded to Greene County, Hopedale, Crestline, Martins Ferry. See Table 1 for a breakdown of the overall Water Supply Revolving Loan Account (WSRLA) activity. Loan awarded to Lancaster in PY 2023 for the North Water Treatment Plant Replacement project in the amount of \$98,189,198 was used to meet the equivalency requirements for both the base capitalization and supplemental grants.

TABLE 1. PROGRAM YEAR 2023 WATER SUPPLY REVOLVING LOAN ACCOUNT ACTIVITY

| Project Type | Number of Loans | Award Amount | Sum of PF Amount |
|--------------------|-----------------|--------------------------|-------------------------|
| Construction | 101 | \$ 593,379,244.76 | \$ 39,049,726.70 |
| Design | 29 | \$ 15,218,665.38 | \$ 2,097,468.00 |
| Planning | 6 | \$ 9,492,968.00 | \$ 1,787,609.00 |
| Grand Total | 136 | \$ 618,090,878.14 | \$ 42,934,803.70 |

| | |
|--|--------------------|
| Total Capitalization and Supplemental Grants Received: | \$157,790,000 |
| Capitalization Grant | \$17,624,000 |
| BIL Supplemental Grant | \$45,251,000 |
| BIL Lead Service Line Grant | \$71,300,000 |
| BIL Emerging Contaminants Grant | \$19,001,000 |
| BIL Emerging Contaminants Transfer from Clean Water | <u>\$4,614,000</u> |

Number of Projects Binding Commitments: 136

| | |
|---|-----------------------------|
| Project Funding Binding Commitments: | \$618,090,878 |
| Average Interest Rate: | 2.26 percent (excluding PF) |
| Total Funds Issued for Disadvantaged Community Loans: | \$124,185,645 |
| Total Subsidy Issued for Disadvantaged Community Loans: | \$38,980,914 |
| Number of Small Systems Funded: | 68 loans for \$56,062,987 |

Of the \$618,090,878 in binding commitments, \$165,755,144 was awarded in the third quarter of 2022, \$129,626,808 in the fourth quarter of 2022, \$91,599,855 in the first quarter of 2023, and \$231,109,071 in the second quarter of 2023. See Appendix E for a list of binding commitments.

Interest rates for loans ranged from a low of 0.0% to a high of 3.01% and the average loan rate of all loans (excluding principal forgiveness) was 2.26%. The DWAF financial summary is provided below in Table 2.

TABLE 2. DWAF FINANCIAL SUMMARY FOR PY 2023

| | |
|--|--------------------|
| Funding sources for PY 2023 | |
| DWAF 2023 Cap Grant (net of set asides) | 55,421,107 |
| DWAF Series Note Issuance | 31,000,000 |
| DWAF Series Bond Issuance | 167,868,012 |
| Note Purchase Contract (PNC) | 600,000,000 |
| Loan Repayments | 28,677,383 |
| Interest Earnings | 3,562,440 |
| Total Sources PY 2023 | 886,528,942 |
| Funding uses for PY 2023 | |
| PY 23 Disbursements of Bond Issuance (net of grants) | 221,637,908 |
| PY 23 Total Loan Awards (incl suppl) | 618,090,878 |
| Total Uses PY 2023 | 839,728,787 |
| Increase / (Decrease) in Funds Available | 46,800,155 |
| Funds Available End of PY 23 | 86,519,303 |
| Funds Available End of PY 23 | 133,319,458 |

During PY 2023, Ohio EPA accepted the FFY 2022 appropriations (the 2022 capitalization grant). The 2022 appropriations and capitalization grant allowed for additional subsidization of projects. Ohio EPA chose to provide additional subsidies through principal forgiveness awards to qualifying projects. Ohio EPA awarded \$42,934,804 in principal forgiveness funds through 48 binding commitments. Principal forgiveness was provided for lead service lines, emerging contaminants, disadvantaged communities, and regionalization projects. Table 3 shows total principal forgiveness awards made during PY 2023. An additional \$19.8 million in principal forgiveness was approved during PY 2023 but binding commitments were not issued until July 2023. These awards will be represented in the PY 2024 annual report.

TABLE 3. WSRLA PRINCIPAL FORGIVENESS AWARDS DURING PY 2023

| Name | Project Name | Project Type | PF Amount | Project User Population |
|----------------|---|--------------|-----------------|-------------------------|
| Addyston | Sekitan Avenue Water Main and LSL | Design | \$ 22,057.00 | 884 |
| Akron | Lead Service Line Replacement Program | Construction | \$ 2,385,000 | 300,000 |
| Bellaire | Lead Service Line Replacement | Construction | \$ 1,000,000.00 | 4,097 |
| Bowerston | New Water Treatment Plant and Raw | Design | \$ 193,325.00 | 720 |
| Cincinnati | Bevis Bonaparte Clarion Water Main | Construction | \$ 187,091.03 | 302,687 |
| Cincinnati | Dayton Horace Naeher Water Main | Construction | \$ 323,565.08 | 302,687 |
| Cincinnati | East Price Hill Water Main Replacement | Construction | \$ 250,425.07 | 302,687 |
| Cincinnati | Enhanced PFAS Treatment Bolton Plant | Planning | \$ 495,000.00 | 302,687 |
| Cincinnati | Lisbon Avenue Waterline Replacement | Construction | \$ 1,590.00 | 301,394 |
| Cincinnati | Symmes Fowler Water Main | Construction | \$ 187,620.00 | 302,687 |
| Cincinnati | West Price Hill Water Main | Construction | \$ 135,150.00 | 302,687 |
| Cleveland | CWD 2022 LSLR Supplies | Construction | \$ 1,193,681.27 | 1,308,955 |
| Cleveland | CWD 2022 LSLRs on WMRs | Construction | \$ 981,772.00 | 1,308,955 |
| Cleveland | CWD LSLR 2022-1 | Construction | \$ 1,637,957.37 | 1,308,955 |
| Cleveland | CWD LSLR 2022-2 | Construction | \$ 1,716,794.87 | 1,308,955 |
| Cleveland | CWD LSLR 2022-3 | Construction | \$ 1,841,556.87 | 1,308,955 |
| Cleveland | CWD LSLR 2022-4 | Construction | \$ 1,968,417.67 | 1,308,955 |
| Cleveland | CWD LSLR 2022-5 | Construction | \$ 2,117,341.02 | 1,308,955 |
| Cleveland | CWD LSLR 2022-6 | Construction | \$ 2,005,843.62 | 1,308,955 |
| Coshocton | Warsaw Waterline Replacement | Design | \$ 333,500.00 | 783 |
| Dayton | Expansion of Miami Well Field Recharge | Design | \$ 1,138,452.00 | 140,444 |
| Dayton | Lead Service Line Compliance | Planning | \$ 250,000.00 | 140,407 |
| Dayton | Raw WL at Intersection of Needmore | Design | \$ 91,300.00 | 140,407 |
| Delphos | Skinner Street Lead Waterline | Construction | \$ 114,465.00 | 7,123 |
| Delphos | South Main Street Water Service | Construction | \$ 394,691.98 | 7,123 |
| Dunkirk | Lead Service Line and Water Line | Design | \$ 89,834.00 | 875 |
| Fayette County | Lakewood Hills Area Water System | Construction | \$ 651,152.25 | 200 |
| Greenville | Lead Service Line Replacement - Phase 1 | Construction | \$ 114,000.00 | 13,327 |
| Hamler | Water Tower and Distribution System | Construction | \$ 884,039.00 | 627 |
| Hillsboro | N. West Street Water System | Construction | \$ 265,650.00 | 6,527 |

| | | | | |
|--------------------------|--|--------------|-------------------------|--------|
| Kenton | Scott Avenue Waterline and LSL | Construction | \$ 50,852.49 | 8,382 |
| Licking County | Eagle Wings Water Line Extension | Construction | \$ 166,909.70 | 130 |
| Lorain | Lead Service Line Replacement Project | Construction | \$ 1,040,750.00 | 69,000 |
| Malvern | Phase 1 Water Line Replacement | Construction | \$ 404,186.00 | 1,343 |
| Marietta | WTP Replacement | Construction | \$ 10,100,000.00 | 13,954 |
| Nelsonville | Water System Improvements Phase 2 | Construction | \$ 2,759,300.00 | 5,816 |
| North Baltimore | Watermain Replacement Project | Construction | \$ 24,168.00 | 3,432 |
| Portage County | Mantua Water Distribution | Design | \$ 150,000.00 | 1,150 |
| Rittman | Sterling Avenue Lead Service Line | Construction | \$ 168,550.00 | 6,503 |
| Scio | 2023 Waterline and LSL | Design | \$ 79,000.00 | 718 |
| Scio | Waterline and Household Line | Construction | \$ 189,900.63 | 730 |
| Springfield | 2023 LSL Water Service Repl - Fountain | Construction | \$ 972,295.92 | 59,132 |
| Springfield | 2023 Waterline Replacement with LSL | Construction | \$ 532,944.81 | 59,132 |
| Toledo | Lead Service Line Replacement | Construction | \$ 410,000.00 | 1,816 |
| Tri-County Rural Water & | Phase 6 Waterline Extension | Construction | \$ 1,656,852.24 | 3,225 |
| Warsaw | Lead Service Line Replacement | Construction | \$ 51,964.86 | 782 |
| Willard | Park Street Waterline Replacement | Construction | \$ 163,247.95 | 9,979 |
| Wilmington | PFAS Planning Study | Planning | \$ 1,042,609.00 | 12,402 |
| Total | | | \$ 42,934,803.70 | |

III. DWAF FINANCIAL STATUS

A. REVENUES, EXPENSES, AND DISBURSEMENTS

Revenue to the DWAF during PY 2023 came from several federal grants and other sources: federal capitalization grant payments, repayments to the fund, interest earned on accounts, and the DWAF bond proceeds. Total federal grants were \$157,790,000; one federal capitalization grant in the amount of \$17,624,000 was received in calendar year 2022. Other federal grants included a BIL Supplemental grant for \$45,251,000, a BIL Lead Service Line grant for \$71,300,000, a BIL Emerging Contaminant grant for \$19,001,000 as well as an Emerging Contaminants transfer from the Clean Water Emerging Contaminant grant to Drinking Water for \$4,614,000. The total capitalization grants minus set-asides for the period was \$143,844,100. WSRLA loan repayments totaled \$28,677,384 and interest income earned on accounts totaled \$3,562,440 during program year 2023.

Expenses for the DWAF during PY 2023 were for debt service payments on bonds and program administration. The total debt service payment on bonds during PY 2021 was \$61,288,563 and was associated with the debt service on the DWAF Leverage and DWAF Series obligations.

Disbursements to projects during PY 2023 totaled \$229,253,170. Of this amount, \$55,355,100 was from federal DWSRF capitalization grants, \$31,053,467 from State Match, \$131,268,425 from the Other Project accounts, \$6,591,933 from non-governmental loans, \$21,404 from Asset Management, \$2,573,545 from federal Lead Service Line grants, and \$2,389,296 from federal Emerging Contaminants grants.

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 increases to the ASAP one year after the increases were made was satisfied during PY 2023. At the end of the fourth quarter of PY 2023, the cumulative ASAP increases totaled \$2,877,007,328 and the cumulative binding commitments at the end of PY 2022 were \$692,450,400, resulting in a commitment percent of 415.48%.

C. PERCENTAGE OF ASAP DISBURSEMENTS TO TOTAL DISBURSEMENTS HAS REMAINED BELOW 83.33%

The proportionality of ASAP draws to total disbursements was maintained below the maximum percentage of 83.33% in all four quarters of this reporting period. At the end of the fourth quarter of PY 2023, this proportion was 80.40%. This calculation does not include amounts from the Base Supplemental Grant.

D. 20% STATE MATCH PROVIDED FOR FEDERAL CAPITALIZATION GRANTS

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 2023, the total amount of capitalization grant funds paid to the DWAF was \$737,701,400, \$45,251,000 of which was from the Base Supplemental Grant and was matched by deposits to the DWAF totaling \$173,278,779 from state match bond funds and an initial cash contribution. Thus, the State has matched the capitalization grants received by 23.49%, meeting the requirement.

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

IV. SET-ASIDES

A. ADMINISTRATION

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

Ohio EPA currently collects administrative fees from loan recipients. These administrative fees are deposited into the Administrative Account which is managed by the OWDA. Except for loans to disadvantaged communities, Ohio EPA charges a loan origination fee of 1.0 percent of the principal for each loan originated through the DWAF program during PY 2023. In addition to this, OWDA requires a fee of 0.35 percent of the entire loan amount. These fees are also deposited into the Administrative Account and are intended to cover administrative costs related to the program.

The funds deposited into the Administrative Account must be used exclusively to cover the expenses associated with administering the program. These fees are to be paid at the time the loan is awarded. Any administrative funds that remain in the account at the end of the program year will remain there to address program administrative costs in subsequent program years.

B. LOCAL ASSISTANCE AND OTHER STATE PROGRAMS

This set-aside is used when necessary to supplement existing state programs and not as substitutes for existing funding. By doing this, Ohio EPA maximizes the amount of funds 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. \$1,445,624.41 was disbursed from the Local Assistance and Other State Programs set-aside account in program year 2023.

PY 2023 Source Water Assessment and Protection

The Local Area Assistance and Other State Programs set-aside was used to fund these activities in PY 2023. There are approximately 8.1 FTEs related to Source Water Assessment and Protection Program. Please see the PY 2023 Source Water Assessment and Protection Annual Report included as part of Appendix C for further detailed information.

C. SMALL SYSTEMS TECHNICAL ASSISTANCE

During PY 2023 Ohio EPA used funds available from the FFY 2020, FFY 2021 and FFY 2022 Supplemental technical assistance grant set-aside, (grant account numbers FS985954-20, FS985954-21 and 4D00E03246).

Ohio EPA administered a Small Systems Technical Assistance Program utilizing two assistance providers during PY 2023. W.S.O.S Community Action Commission, Inc./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. 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.

The technical assistance agreement with Ohio RCAP was in effect from July 1, 2022 through June 30, 2023 and was funded with a grant in the amount of \$905,020.00. During PY 2023, \$584,460.53 was

disbursed by Ohio Water Development Authority (OWDA). Please see Appendix B for more information.

The technical assistance agreement with ORWA was in effect from July 1, 2022 through June 30, 2023 and funded with a grant in the amount of \$160,000.00. During PY 2023, \$50,353.23 was used for training and technical assistance. ORWA's balance will be carried forward to PY 2024. The PY 2023 balance is still due to be disbursed by OWDA in October 2024. The delayed disbursement is due to Ohio EPA internal personnel changes and program transition. ORWA allocated 1.25 FTEs to fund the activities related to technical assistance and training to Ohio.

D. PUBLIC WATER SYSTEM SUPERVISION

The Public Water System Supervision set-aside funded return to compliance activities along with contracts, supplies, and operating charges. \$1,445,624.41 was disbursed from the Public Water System Supervision set-aside account in program year 2023. Approximately, 18.1 FTEs were utilized for Public Water System Supervision set-aside activities. Refer to Appendix A for more information on PWSS activities.

Return to Compliance Activities

Provide assistance to PWS with compliance needs to return the PWS to compliance: 9.2 FTEs.

Sanitary Survey Program

Evaluate PWS for compliance issues and provide technical assistance to return the PWS to compliance: 9 FTEs. Approximately 25% of these costs are covered by this set-aside.

Harmful Algal Blooms

Implementation of Ohio Harmful Algal Blooms Response Strategy. Information on activities conducted to support the Harmful Algal Blooms Program are presented in Appendix A of this report. Funds from the PWSS set-aside were used to support approximately 3.0 FTEs in 2023.

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. Required terms and conditions have been met including but not limited to, expeditious and timely expenditure of funds, providing SRF funds only for eligible activities, compliance with SDWA requirements for all projects receiving binding commitments, the Disadvantaged 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.

VI. FUTURE DIRECTIONS FOR THE DWAF PROGRAM

Ohio EPA approved the PY 2024 DWAF Program Management Plan on August 23, 2022. Funding will be made available for PY 2024 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 \$1.4 billion in project nominations were received for PY 2024. Ohio EPA will make available funding for all eligible projects on the IPL that meet program requirements and are ready to proceed during PY 2024.

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 2024 including a Supplemental grant, Lead Service Line grant and Emerging Contaminants grant. A percentage of these grants must be offered as additional subsidy. The maximum amount of principal forgiveness that Ohio is permitted to offer for PY 2024 per the 2023 appropriations and capitalization grant is approximately \$128.2 million.

For PY 2024, Ohio EPA intends to utilize \$166.9 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.

Ohio EPA continues to make available 0% interest rate for projects addressing HABs and per- and polyfluoroalkyl substances (PFAS). 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 into the SRF summary system. Ohio EPA utilizes its database program, Assistance Information Management System (AIMS), that assists and ensures that PBR information is compiled at the time of loan award. Loans will be entered into the SRF system quarterly.

VIII. DWAF FINANCIAL STATEMENTS

Financial statements for the program year July 1, 2022 – June 30, 2023 are provided on pages 11 to 17.

DWAF – Balance Sheet – June 30, 2023

Drinking Water Assistance Fund

Balance Sheet

June 30, 2023

| <u>Assets</u> | |
|---|----------------------|
| Cash and cash equivalents | 50,442,784 |
| Investments | 251,311,174 |
| Receivables: | |
| Federal and local government authorities | 1,178,318,751 |
| Other | - |
| Total assets | <u>1,480,072,709</u> |
| <u>Deferred Outflows of Resources</u> | |
| Loss on Refunding | 863,088 |
| Total assets and deferred outflows of resources | <u>1,480,935,797</u> |
| <u>Liabilities and Net Position</u> | |
| Accounts Payable | 20,743,934 |
| Accrued interest | 3,051,942 |
| Drinking Water Assistance Fund Bonds | |
| State Match Series | 31,000,000 |
| Leverage Series | 752,008,643 |
| Total liabilities | <u>806,804,519</u> |
| Net Position | <u>674,131,278</u> |
| Total liabilities and net position | <u>1,480,935,797</u> |

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, 2023

| | |
|---|---------------------------|
| Revenues: | |
| Project revenue | 13,968,854 |
| Investment income | 9,306,316 |
| Admin fees from projects | 5,678,582 |
| Contribution from U.S. EPA | 65,426,303 |
| | <u>94,380,055</u> |
| Expenses: | |
| Interest on bonds and notes | 16,044,649 |
| Bond and note issuance expense | 2,042,584 |
| Loan principal forgiveness and grant expense | 18,012,653 |
| State revolving fund administration | 6,270,316 |
| Professional services | 885,621 |
| Loan interest rate buy-down | 442,077 |
| | <u>43,697,900</u> |
| Excess (deficiency) of revenues over expenses | |
| before non - operating revenue | 50,682,155 |
| Other | 169 |
| | <u>50,682,324</u> |
| Excess (deficiency) of revenues over expenses | 50,682,324 |
| Net Position at beginning of year | 623,448,954 |
| Net Position at end of year | <u><u>674,131,278</u></u> |

DWAF – Statement of Cash Flows – June 30, 2023

Drinking Water Assistance Fund

Statement of Cash Flows

Year ended June 30, 2023

| | |
|--|---------------|
| Operating activities: | |
| Administrative fees from projects | 5,644,408 |
| Grant expense | (1,187,506) |
| State revolving fund administration | (6,270,316) |
| Professional services | (861,483) |
| Net cash provided (used) by operating activities | (2,674,897) |
| Investing activities: | |
| Proceeds from maturity or sale of investments | 341,385,029 |
| Purchase of investments | (389,629,509) |
| Interest received on investments, net of purchased interest | 3,562,440 |
| Interest received on projects | 13,272,713 |
| Principal collected on projects | 76,693,233 |
| Payment for construction of projects | (229,253,170) |
| Net cash provided (used) by investing activities | (183,969,264) |
| Noncapital financing activities: | |
| Interest paid on bonds and notes, net of purchased interest | (29,083,563) |
| Redemption of bonds and notes | (32,205,000) |
| Proceeds of bonds and notes | 199,353,012 |
| Bond issuance expense | (1,438,086) |
| Interest rate buy-down expense | (442,077) |
| Contribution from U.S. EPA | 65,426,303 |
| Other | 169 |
| Net cash provided (used) by noncapital financing activities | 201,610,758 |
| Net increase (decrease) in cash and cash equivalents | 14,966,597 |
| Cash and cash equivalents at beginning of period | 35,392,314 |
| Cash and cash equivalents at end of period (Note 1) | 50,358,911 |
| Reconciliation to net cash provided (used) by oper activities: | |
| Excess (deficiency) of revenues over expenses before operating transfer | 50,682,155 |
| Adjustments: | |
| Investment income | (9,306,316) |
| Principal forgiveness and other | 16,825,147 |
| Interest on bonds and notes | 16,044,649 |
| Project revenue | (13,968,854) |
| Contribution from U.S. EPA | (65,426,303) |
| Bond and note issuance expense | 2,042,584 |

| | |
|--|--------------------|
| Interest rate buy-down expense | 442,077 |
| Net change in other assets and other liabilities | (10,036) |
| Net cash provided (used) by operating activities | <u>(2,674,897)</u> |

Note 1: As of June 30, 2023, the Drinking Water Fund balance sheet had cash and cash equivalent balances of \$50,442,784, which includes accrued interest receivable of \$83,873 on money market balances. 6/30/2023 cash and cash equivalent balance for cash flow statement was \$50,358,911 which doesn't include accrued interest receivable of \$83,873.

DWAF – Loan Disbursements – July 1, 2022 to June 30, 2023

| Account Type | Total |
|-------------------------|-----------------------|
| Capitalization Grant | 55,355,100 |
| State Match | 31,053,467 |
| Other Projects Accounts | 131,268,425 |
| Non-Governmental Loan | 6,591,933 |
| Asset Management | 21,404 |
| Lead | 2,573,545 |
| Emerging Contaminants | 2,389,296 |
| Grand Total | \$ 229,253,170 |

DWAF – Debt Service Payments – July 1, 2022 to June 30, 2023

| Type | Interest | Principal | Total |
|--|-------------------|-------------------|-------------------|
| State Match Series | - | - | - |
| DWAF Leverage & DWAF Series | 29,083,563 | 32,205,000 | 61,288,563 |
| | 29,083,563 | 32,205,000 | 61,288,563 |
| No Refunding transactions occurred in SFY 2023 | | | |

DWAF – Investment Income – July 1, 2022 to June 30, 2023

| Type | Total |
|---------------------------------|------------------|
| Capitalization Grant | 2,366 |
| Repayment Accounts | 167,104 |
| Other Project Accounts | 7,116,515 |
| Non-Governmental Loan | 86,147 |
| DWAF Leverage and DWAF Accounts | 1,934,184 |
| | 9,306,316 |

DWAF – Financial Status – July 1, 2022 to June 30, 2023

| | |
|----------------------------------|--------------------|
| Cap grant | 143,844,100 |
| DWAF Loan repayments exceed DS * | 28,677,383 |
| Investment Income | 9,306,316 |
| Debt Service ^ | 61,288,563 |
| Disbursements Info: | |
| Capitalization Grant | 55,355,100 |
| State Match | 31,053,467 |
| Other Projects Accounts | 131,268,425 |
| Non-Governmental Loan | 6,591,933 |
| Asset Management | 21,404 |
| Lead | 2,573,545 |
| Emerging Contaminants | 2,389,296 |
| | <hr/> 229,253,170 |
| * Loan Prin and Int collected | 89,965,946 |
| ^ Bond Debt Service (DS) | <hr/> (61,288,563) |
| *DWAF Loan Repayments exceed DS | 28,677,383 |

DWAF – Capitalization Grant Award and State Match Summary

| Drinking Water Assistance Fund Capitalization Grant Award and State Match Summary as of June 30, 2023 | | | | | |
|--|--------------------------|-----------------------------|--------------------------|---------------------------------|---|
| Grant Number | FFY Appropriation | Cap Grant Award Date | Cap Grant Amount | State Match Amount (20%) | Remarks |
| 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 |
| FS985954-12-0 | 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 | 9/30/2021 | \$ 27,666,000.00 | \$ 5,533,200.00 | 2021 SM Notes |
| FS985954-22-0 | 2022 | 9/29/2022 | \$ 17,624,000.00 | \$ 3,524,800.00 | 2021 SM Notes |
| FS985954-21-0 (reallotted funds) | 2021 | 6/9/2023 | \$ 257,000.00 | \$ 51,000.00 | 2022 SM Notes |
| | 2023 | | | - | 2022 SM Notes |
| Total | | | \$ 692,450,400.22 | \$ 138,490,080.04 | |

APPENDICES

Appendix A

Drinking Water Assistance Fund

(Local Assistance and Other
State Programs)

Capability Assurance Strategy Annual Report

Program Year 2023

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) 2023 which covers the period July 1, 2022 through June 30, 2023.

This report also serves as a final report for the PY 23 Public Water System Supervision Workplan as detailed in Appendix H, of the PY 23 Drinking Water Assistance Fund Management and Intended Use Plan. Additional language in this report explains the activities for the 18.1 FTEs that were applied to the Public Water System Supervision set-aside. \$1,445,624.41 was disbursed from the Local Assistance and Other State Programs set-aside account in PY 23.

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

Between July 1, 2022 and June 30, 2023, seven (7) non-transient non-community and one (1) community public water system 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 six (6) systems are new systems.

Existing Public Water Systems

Listed below are the programs, tools and activities utilized during PY 23 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. 99 small systems were placed on the Ohio RCAP List during PY 2023, 40 of those systems had a project on the PPL/IPL for PY 2023.

Enforcement

During PY 23, 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 by systems returning to compliance, DDAGW completing an enforcement action with systems, correcting/updating our database, and by inactivating systems no longer in operation.

During PY 23, Ohio EPA issued 136 sets of streamlined orders that resulted in 103 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 23:

- ✓ Approximately 4,035 total coliform bacteria reminder emails and 3,991 phone messages were sent to systems, that had not monitored yet during the reporting period.
- ✓ Of the above reminders, approximately 3,607 systems completed their monitoring (95% of the systems).
- ✓ Approximately 4,229 chemical/radiological reminder emails and 5,921 phone messages were sent to all public water systems that had not yet completed monitoring.
- ✓ Of the above reminders, approximately 3,956 systems completed their monitoring (93% 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 11 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, and an overview of the theory asset management of a public water system;

Ohio 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 2023:

23 training sessions were held statewide with 687 people in attendance. See Appendix B (Table B-1) for a list of trainings.

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

Additional program activities

Continuing in PY 23, 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 23 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 23, 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 23, Ohio EPA provided grants to 64 systems for a total of \$2,406,610.87.

Ohio EPA, DDAGW transitioned to a long-term electronic plan submission system in December 2022. Any type of plan can be submitted through the ePlans system including detail plans, general plans, well site approvals and pilot studies. DDAGW is also able to share plans 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 five 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 Works Association (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.

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 will

include 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 2023:

- 131 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 (77 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. Promote regionalization to ensure long term sustainability of water systems.
2. Encourage water systems to actively engage in long-term planning for the future of their systems.
3. Enable water systems to maintain compliance with the Safe Drinking Water Act.
4. Assist public water systems in the training and certification of operators.
5. Assist systems vulnerable to emerging contaminants.
6. Assist systems in protecting source waters.
7. 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 a 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 seven non-transient non-community systems and one community water system in PY 23.

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 will be 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 AM 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.

Moving Forward

- Source Water – Ohio EPA will be offering funding for a source water protection grant to support the implementation of specific and measurable protective strategies to help protect source water. Grants with a maximum of \$20,000 will be 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 will encourage those systems with sources that may be impacted by climate change issues to apply.
- Source Water – Ohio EPA will also be offering well abandonment grants with a maximum of \$15,000 available to PWSs to properly abandon former public water system wells.
- Lead and Copper – Ohio EPA will be requesting proposals for lead service line inventory documentation and consulting services to comply with the Lead and Copper Rule Revision (LCRR). Professional consulting service(s) will be contracted to assist community and non-transient non-community water systems with developing lead service line inventory and replacement plans. Types of assistance provided may 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 and PY 24.
- Asset Management – Ohio EPA will be offering grants to assist eligible public water systems with completing, updating and/or implementing the public water systems 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.
- Asset Management – In PY 21, Ohio EPA started to receive Asset Management Program metrics for all PWSs. Ohio EPA reviews metrics and looks 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.
- 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 23 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 23, 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 the new PWS HAB monitoring rules starting in November 2022. Summer 2023 was the first HAB season with the new rules.
- 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 new rules and HAB 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.

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, 2022 to June 30, 2023

| <u>PWS ID</u> | <u>Name</u> | <u>County</u> | <u>District</u> | <u>System Type</u> | <u>Primary Source</u> | <u>ETT Score</u> |
|---------------|--------------------------------------|---------------|-----------------|--------------------|-----------------------|------------------|
| *OH7799949 | WESTERN RESERVE HOSPITAL PWS | SUMMIT | NEDO | NTNC | GWP | 0 |
| OH1565212 | KNOX ELEMENTARY WEST BRANCH PWS | COLUMBIANA | NEDO | NTNC | GW | 1 |
| OH8564725 | WESTLAKE ROYAL STONE, LLC - WAYNE CO | WAYNE | NEDO | NTNC | GW | 0 |
| OH1950623 | GOLDEN HERITAGE EGG FARM | DARKE | SWDO | NTNC | GW | 0 |
| *OH4737516 | PINE RIDGE MHP | LORAIN | NEDO | C | SWP | 0 |
| OH8564727 | GERBER WOOD PRODUCTS | WAYNE | NEDO | NTNC | GW | 0 |
| OH8564728 | BUILT-RITE BOX & CRATE | WAYNE | NEDO | NTNC | GW | 0 |
| OH1137117 | OLD SOULS FARM | CHAMPAIGN | SWDO | NTNC | GW | 0 |

* Six systems listed above were new systems, while two were found systems. Found systems are noted with an asterisk.



Appendix B

Drinking Water Assistance Fund

Small System Technical Assistance Set-Aside Annual Report

Program Year 2023

Division of Drinking and Ground Waters
Drinking Water Assistance Fund
September 2023

Introduction

The Safe Drinking Water Act, section 1452 requires that states submit a biennial 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) 2023, 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 2023 Ohio EPA used funds available from the FFY 2020, FFY 2021 and FFY 2022 Supplemental technical assistance grant set-aside, (grant account numbers FS985954-20, FS985954-21 and 4D00E03246).

The technical assistance agreement with Ohio RCAP was in effect from July 1, 2022 through June 30, 2023 and funded with a grant in the amount of \$905,020.00. During PY 2023, \$584,460.53 was disbursed by Ohio Water Development Authority (OWDA).

The technical assistance agreement with ORWA was in effect from July 1, 2022 through June 30, 2023 and funded with a grant in the amount of \$160,000.00. During PY 2023, \$50,353.23 was used for training and technical assistance. ORWA's balance will be carried forward to PY 2024. The PY 2023 balance is still due to be disbursed by OWDA in October 2024. The delayed disbursement is due to Ohio EPA internal personnel changes and program transition.

Full Time Equivalents (FTEs)

In PY 2023, 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 2023, ORWA allocated 1.25 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 2023 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 2023. Their services are offered to public water systems with 10,000 population or fewer. Attachment B-1 contains information about Ohio RCAP training for the program year.

The PY 2023 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 2023, Ohio RCAP assisted 99 systems on the Intended Project Priority List and the RCAP List.

Objective 2

Assist small systems with DWSRF applications and crosscutting requirements

| | |
|--|----|
| Systems Assisted with Nominations | 40 |
| Planning/Design Loan Applications | 10 |
| Construction Loan Applications | 23 |
| Disadvantaged Loan Applications | 39 |
| Crosscutting Requirements | 17 |
| Capacity Development and Asset Management Requirements | 61 |
| Readiness to Proceed Issues | 77 |

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. 77 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. 25 systems were assisted during PY 2023.

Objective 6

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

During PY 2023, 34 systems received assistance with their Asset Management Plans (AMPs). RCAP also identified communities to participate in their special project, 'RCAP Asset Management Coaching Cohort'. Participating communities have been full 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, 50 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 23 training sessions throughout the state in which 687 individuals attended representing 549 systems. Training information is provided in Table B-1.

Table B-1. Classroom and Webinar Training

| Date | Location | Course | Participants | Systems |
|-----------------|-----------------|--|---------------------|----------------|
| 09/14/22 | Webinar | Asset Management for Drinking Water Systems Day 1 | 46 | 45 |
| 09/15/22 | Webinar | Asset Management for Drinking Water Systems Day 2 | 48 | 45 |
| 09/27/22 | Webinar | Lead and Copper Compliance Part 1 | 39 | 38 |
| 09/28/22 | Webinar | Lead and Copper Compliance Part 2- Group 1 | 17 | 17 |
| 09/29/22 | Webinar | Lead and Copper Compliance Part 2- Group 2 | 17 | 16 |
| 10/05/22 | Webinar | Lead & Copper Compliance Part 2 | 9 | 7 |
| 10/12/22 | Webinar | Guiding & Funding Your Future: Planning for Your System's Future | 23 | 19 |
| 10/25/22 | Athens | 101 Utility Management for Governing Boards | 14 | 6 |
| 10/26/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 29 | 27 |
| 11/02/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 39 | 30 |
| 11/15/22 | Hillsboro | 101 Utility Management for Governing Boards | 11 | 11 |
| 12/08/22 | Bowling Green | 101 Utility Management for Governing Boards | 15 | 12 |
| 01/17/23 | Webinar | 101 Utility Management for Governing Boards Part 1 | 40 | 25 |
| 01/24/23 | Webinar | 101 Utility Management for Governing Boards Part 2 | 32 | 18 |
| 02/16/23 | Webinar | Basic Math for Operators | 30 | 12 |

| | | | | |
|-----------------|---------|--|-----|-----|
| 02/23/23 | Webinar | Basics of Budgeting for Water Utilities | 48 | 33 |
| 03/02/23 | Webinar | Advanced Math for Operators | 29 | 26 |
| 03/07/23 | Webinar | 201 Financial Management for Governing Boards Part 1 | 38 | 32 |
| 03/08/23 | Webinar | Basics of Rate Setting | 36 | 32 |
| 03/14/23 | Webinar | 201 Financial Management for Governing Boards Part 2 | 31 | 25 |
| 03/16/23 | Kenton | Water Quality Monitoring: Before the Sample | 14 | 11 |
| 05/02/23 | Webinar | Basics of Pressure Management | 16 | 13 |
| 06/14/23 | Ashland | Field Day | 66 | 49 |
| | | Total | 687 | 549 |

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 tracked – 8

Total systems trained online – 74

Total attendees trained online – 184

Total systems trained online for Utility Management – 38

Total attendees trained online for Utility Management – 94

Total systems trained online for Financial Management – 36

Total attendees trained online for Financial Management – 90

Objective 10:

Assist communities identified by Ohio EPA that need intensive technical assistance

During PY 2023, Ohio RCAP provided intensive technical assistance to the following:

Addyston - Benchmarks accomplished - valve exercising; project nominations; design loan application; asset planning checklist; asset management plan; capital improvement plan.

Catawba - Benchmarks accomplished - site visit; rate study.

Donnelstville - Benchmarks accomplished - assisted with QBS of consulting engineer.

Freeport - Benchmarks accomplished - site sampling plan; rate study; backflow ordinance; clearwell repair; hydrant flushing plan; GIS mapping; valve exercising plan; asset management plan; WTP equipment condition and criticality assessment; contingency plan; backflow plan.

Holloway - 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.

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.

Oak Hill - Benchmarks accomplished - rate study; water audit.

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 2023. Their services are offered to public water systems with 10,000 population or fewer.

The PY 2023 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 College Corner, Mingo Junction, Kettlersville and South Amherst. Additional general assistance was provided for compliance, operator certification, and new operator training.

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 safety, leak detection, laboratory basics, regulatory updates, lead service line identification and emerging contaminants. Web-based courses included topics on water process optimization, cybersecurity, and distribution system updates. ORWA plans to offer additional trainings during the upcoming program year.

Conclusion

During PY 2023, 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 \$59,818,945 of leveraged funds. By meeting our goals and objectives, we continue to provide Ohio's small systems with the technical, managerial, and financial assistance they need.



Appendix C

Drinking Water Assistance Fund

Source Water Assessment and Protection Annual Report

Program Year 2023

Division of Drinking and Ground Waters
Drinking Water Assistance Fund
September 2023

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) 2023. These funds were used to complete sourcewater 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 2023, 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 2023 to coordinate activities to achieve our shared goal of improved water quality. During PY 2023, 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 and working with staff of the Natural Resources Conservation Service to identify candidates for conservation funding.

During PY 2023, 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 8.1 full time equivalent staff to support implementation of the SWAP activities specified in identified in Ohio's DW SRF Intended Use Plan for PY 2023.

B. Goals and Objectives

The goals and objectives for the Source Water Assessment and Protection Program for PY 2023 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 2023, 46 source water assessment reports were completed. Of these, 18 were for new wells or wellfields and 28 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.

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.

Nine source water protection plans developed by municipal public water systems were endorsed by the Agency during PY 2023. The Agency also received and accepted checklist-style protection plans from an additional 44 nonmunicipal systems (community and noncommunity).

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 community water systems covering 81% of the population served by community systems were substantially implementing sourcewater protection measures under the criteria described in Ohio EPA's program.

Finally, staff responded to approximately 50 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 40 coal or industrial minerals mining applications and approximately 80 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 2023 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 46 SWAP reports for public water systems using ground water. Of these, 18 were for new wells or wellfields and 28 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.
- **New Well Sitings.** In addition to the above, SWAP staff either completed or assisted Drinking Water inspectors with siting new wells, providing preliminary maps of the isolation radius and source water protection area with known potential contaminant sources shown 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 ground 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 nine 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 44 Source Water Protection Plan checklists from non-municipal systems.
- **Certificates.** Returned personalized and signed certificates of recognition to 53 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.

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 2023, SWAP staff regularly updated and evaluated 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 2023 to coordinate activities to achieve our shared goal of improved water quality. During PY 2023, meetings included staff from the Total Maximum Daily Load (TMDL) and Non-Point Source Programs.
- During PY 2023, 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 2023, program staff worked with DSW and the Ohio office of the Natural Resources Conservation Service to identify candidate watersheds and sourcewater protection areas for this conservation funding. A list of recommended watersheds was provided to NRCS in conjunction with DSW.
- **ORWA.** In December 2022, staff met with Farm Service Agency (FSA) staff and Ohio Rural Water Association (OWRA) Source Water Protection staff to coordinate development of local source water protection plans.
- SWAP staff began planning for a quarterly webinar series to be focused on source water protection. The web series will likely begin January 2024.

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 2023 Source Water Assessment and Protection set-aside Annual Report, September 2023.
- **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, 2022 to June 30, 2023

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, 2022 – June 30, 2023. 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: 99

| |
|------------------------|
| Addyston |
| Amesville |
| Attica |
| Bainbridge |
| Barnesville |
| Beaver |
| Bellaire |
| Blanchester |
| Bloomington |
| Bloomville |
| Bowerston |
| Brewster |
| Bridgeport |
| Buckeye Water District |
| Bucyrus |
| Canal Winchester |
| Canfield |
| Catawba |
| Cherry Ridge |
| Coal Grove |
| Columbiana |
| Coshocton |

| |
|--|
| Crooksville |
| Danville |
| Donnelsville |
| Dunkirk |
| East Canton |
| East Palestine |
| Fayette |
| Fayette County |
| Felicity |
| Fletcher |
| Florida |
| Forest |
| Fredericksburg |
| Freeport Water |
| Gallia County Rural Water Association |
| Gallipolis |
| Grandview Heights |
| Hayesville |
| Hecla Water Association |
| Holloway |
| Jackson |
| Jamestown |
| Jeffersonville |
| Junction City |
| Kelleys Island |
| Kenton |
| Kingston |
| La Rue |
| Lakemore |
| Lawrence County Water District |
| Lisbon |
| Little Hocking Water Association |
| Lodi |
| London |
| Lowell |
| Malinta |
| Malvern |
| Matamoras |
| McGuffey |
| Middlefield |
| Milan |
| Millersport |
| Morgan Meigsville Rural Water District |
| Mount Blanchard |

| |
|-------------------------------|
| Mount Sterling |
| Muskingum County |
| Nelsonville |
| Nevada |
| Noble County Water Authority |
| Noble Water Company |
| North Baltimore |
| North Fairfield |
| Oak Hill |
| Payne |
| Pemberville |
| Peyton Community Well |
| Proctorville |
| Republic |
| Ripley |
| Sabina |
| Scioto Water, Inc. |
| Sebring |
| Shadyside |
| Shiloh |
| Shreve |
| South Point |
| South Vienna |
| Spring Valley |
| St. Clairsville |
| Strasburg |
| Upper Sandusky |
| Walnut Creek Water Company |
| Washingtonville |
| Waynesville WTP |
| Wellston |
| York Township Water Authority |
| Zaleski |

a. Preparation of DWAF and other funder's applications

DWAF Nominations

Total number of DWAF nominations completed: 52

| |
|-------------|
| Addyston |
| Addyston |
| Attica |
| Blanchester |
| Blanchester |
| Bridgeport |

| |
|--|
| Buckeye Water District |
| Canal Winchester |
| Coal Grove |
| Coal Grove |
| Coshocton |
| Dunkirk |
| East Canton |
| East Palestine |
| Felicity |
| Fletcher |
| Freeport |
| Gallipolis |
| Hecla Water Association |
| Hecla Water Association |
| Jackson |
| Jamestown |
| Kelleys Island |
| Kenton |
| La Rue |
| La Rue |
| Lakemore |
| Lisbon |
| Lisbon |
| London |
| London |
| London |
| London |
| Lowell |
| Malvern |
| Matamoras |
| Matamoras |
| Middlefield |
| Milan |
| Morgan Meigsville Rural Water District |
| Muskingum County |
| Nelsonville |
| Nelsonville |
| Noble County Water Authority |
| Sabina |
| Scioto Water, Inc. |
| Sebring |
| Shiloh |
| South Point |
| South Point |

| |
|------------------------|
| Walnut Creek Water Co. |
| Washingtonville |

DWAF Planning and Design Applications

Total number of DWAF planning and design applications completed: 10

| |
|----------------|
| Addyston |
| Attica |
| Coal Grove |
| Dunkirk |
| Kelleys Island |
| Malvern |
| Middlefield |
| Mount Sterling |
| Nelsonville |
| Shiloh |

DWAF Construction Applications

Total number of DWAF construction applications completed: 23

| |
|---------------------------------|
| Blanchester |
| Canal Winchester |
| Canfield |
| Coshocton- Warsaw |
| East Palestine |
| Fayette |
| Gallia County Rural Water Assoc |
| Kenton |
| Lisbon |
| Lodi |
| Middlefield |
| Millersport |
| Nelsonville |
| Nevada |
| Noble Water Company |
| North Baltimore |
| Peyton Community Well |
| Ripley |
| South Point- PH3 |
| South Point- Well |
| Spring Valley |
| St. Clairsville |
| Walnut Creek Water Company |

Other Funder's Applications

Total number of other funder's applications completed: 46

| |
|--|
| Amesville - Appropriation |
| Amesville - ARC |
| Bainbridge - OWDA |
| Blanchester - Appropriation Request |
| Blanchester - Army Corps |
| Blanchester - LSL Inventory Mapping Grant |
| Brewster - OWDA |
| Coshocton - ARC |
| Coshocton - Army Corps |
| Dunkirk - FEMA |
| Felicity - ARC |
| Gallipolis - ARC |
| Gallipolis - CDBG |
| Hecla Water Association - ARC |
| Hecla Water Association - ODOD W&WW |
| Hecla Water Association - USEPA STAG |
| Jeffersonville - OWDA |
| Kenton - USDA |
| Lawrence County Water District - Federal Appropriation |
| Lisbon - ARC |
| Lisbon - ODOD W&WW |
| London - LSL Inventory Mapping Grant |
| Lowell - ARC |
| Lowell - CEC |
| Lowell - ODOD W&WW |
| Malvern - ARC |
| Malvern - Federal Appropriation |
| Malvern - OWDA |
| Matamoras - ARC |
| Matamoras - Army Corps |
| Matamoras - LSL Inventory Mapping Grant |
| Middlefield - LSL Inventory Mapping Grant |
| Morgan- Meigsville RWD- ODOD W&WW |
| Muskingum County - ARC |
| Pemberville - OWDA |
| Shiloh - ARPA |
| Shiloh - CDBG |
| Shiloh - ODOD W&WW |
| Shiloh - OPWC |

| |
|--|
| Shiloh - USDA |
| Spring Valley - OWDA |
| Walnut Creek - ARC |
| Walnut Creek Water Company - ARC |
| Walnut Creek Water Company - HB45 |
| Walnut Creek Water Company - ODOD W&WW |
| Wellston - CDBG RPIG |

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

Number of systems assisted: 45

| |
|--------------------------------|
| Addyston |
| Attica |
| Bainbridge |
| Blanchester |
| Bloomington |
| Bloomville |
| Bowerston |
| Bucyrus |
| Catawba |
| Danville |
| Donnelsville |
| Dunkirk |
| East Canton |
| Fayette |
| Felicity |
| Florida |
| Fredericksburg |
| Grandview Heights |
| Hecla Water |
| Jackson |
| Jamestown |
| Jeffersonville |
| Kelleys Island |
| Kenton |
| La Rue |
| Lawrence County Water District |
| Lisbon |
| London |
| Lowell |
| Malvern |
| Matamoras |
| Millersport |
| Mount Sterling |

| |
|-------------------------------|
| Nevada |
| Pemberville |
| Peyton Community Well |
| Republic |
| Sabina |
| Shiloh |
| Spring Valley |
| St. Clairsville |
| Upper Sanducky |
| Wellston |
| York Township Water Authority |
| Zaleski |

c. Readiness to proceed issues

Number of systems assisted: 77

| |
|---|
| Addyston - Funding |
| Amesville - Funding |
| Attica - Completing Data Collection |
| Attica - Funding |
| Bainbridge - Funding |
| Blanchester - Funding |
| Blanchester - Project Schedule |
| Bloomington - Funding |
| Bloomville - Determining most cost effective option |
| Bloomville - Funding |
| Bowerston - Funding |
| Brewster - Funding |
| Bridgeport - Funding |
| Bridgeport - Project Schedule |
| Buckeye Water District - Funding |
| Buckeye Water District - Obtaining Cost Estimates |
| Bucyrus - Funding |
| Canal Winchester - Funding |
| Canal Winchester - Gathering Supporting Documentation |
| Canal Winchester - Hiring an Engineer |
| Canal Winchester - Obtaining Cost Estimates |
| Canal Winchester - Project Description |
| Canal Winchester - Project Schedule |
| Canfield - Funding |
| Catawba - Determining most cost effective option |
| Catawba - Determining Project Alternatives |
| Coal Grove - Funding |
| Coshocton - Funding |

| |
|--|
| Coshocton - Project Schedule |
| Crooksville - Completing Data Collection |
| Crooksville - Gathering Supporting Documentation |
| Crooksville - Project Description |
| Danville - Completing Data Collection |
| Danville - Funding |
| Danville - Gathering Supporting Documentation |
| Danville - Project Description |
| Danville - Project Schedule |
| Donnelsville - Hiring an Engineer |
| Donnelsville - Other |
| Dunkirk - Determining most cost effective option |
| Dunkirk - Funding |
| East Canton - Completing Data Collection |
| East Canton - Determining most cost effective option |
| East Canton - Gathering Supporting Documentation |
| East Canton - Other |
| East Palestine - Completing Data Collection |
| East Palestine - Funding |
| East Palestine - Gathering Supporting Documentation |
| East Palestine - Project Schedule |
| Fayette - Funding |
| Fayette - Project Schedule |
| Fayette County - Funding |
| Felicity - Determining most cost effective option |
| Felicity - Funding |
| Fletcher - Funding |
| Fredericksburg - Project Schedule |
| Freeport Water - Funding |
| Gallia County Rural Water Association - Funding |
| Gallipolis - Funding |
| Grandview Heights - Other |
| Hayesville - Funding |
| Hecla Water Association - Funding |
| Jackson - Funding |
| Jackson - Hiring an Engineer |
| Jamestown - Funding |
| Jeffersonville - Funding |
| Kelleys Island - Funding |
| Kenton - Funding |
| La Rue - Determining most cost effective option |
| La Rue - Funding |
| Lakemore - Funding |

| |
|---|
| Lawrence County Water District - Funding |
| Leetonia - Hiring an Engineer |
| Lisbon - Funding |
| Lisbon - Gathering Supporting Documentation |
| Lisbon - Other |
| Lisbon - Project Schedule |
| Lodi - Funding |
| London - Funding |
| London - Prepared application for funding other than EPA SRF |
| Lowell - Funding |
| Lowell - Project Schedule |
| Malvern - Funding |
| Malvern - Prepared application for funding other than EPA SRF |
| Malvern - Project Schedule |
| Matamoras - Determining most cost effective option |
| Matamoras - Funding |
| Matamoras - Prepared application for funding other than EPA SRF |
| Middlefield - Funding |
| Milan - Funding |
| Millersport - Completing Data Collection |
| Millersport - Determining most cost effective option |
| Millersport - Funding |
| Millersport - Gathering Supporting Documentation |
| Morgan Meigsville Rural Water District - Funding |
| Mount Sterling - Funding |
| Muskingum County - Funding |
| Nelsonville - Funding |
| Nelsonville - Project Schedule |
| Nevada - Funding |
| Noble County Water Authority - Gathering Supporting Documentation |
| Noble County Water Authority - Project Schedule |
| Noble Water Company - Funding |
| North Baltimore - Funding |
| Peyton Community Well - Funding |
| Proctorville - Funding |
| Republic - Determining Project Alternatives |
| Ripley - Funding |
| Sabina - Funding |
| Scioto Water, Inc. - Funding |
| Sebring - Funding |
| Shadyside - Gathering Supporting Documentation |
| Shiloh - Funding |
| Shiloh - Prepared application for funding other than EPA SRF |
| Shiloh - Project Schedule |

| |
|--|
| South Point - Funding |
| South Point - Obtaining Cost Estimates |
| Spring Valley - Funding |
| Spring Valley - Other |
| St. Clairsville - Funding |
| Upper Sandusky - Determining Project Alternatives |
| Upper Sandusky - Funding |
| Walnut Creek Water Company - Completing Data Collection |
| Walnut Creek Water Company - Funding |
| Walnut Creek Water Company - Other |
| Walnut Creek Water Company - Project Schedule |
| Washingtonville - Funding |
| Wellston - Funding |
| York Township Water Authority - Completing Data Collection |
| York Township Water Authority - Determining Project Alternatives |
| York Township Water Authority - Gathering Supporting Documentation |
| York Township Water Authority - Obtaining Cost Estimates |

d. Capacity development

Number of systems assisted: 50

| |
|--------------------------------------|
| Addyston - Capital Improvement Plan |
| Addyston - Utility Planning |
| Bainbridge - Financing Plan |
| Bellaire - Other |
| Blanchester - Financing Plan |
| Blanchester - Utility Planning |
| Bloomville - Rate Study |
| Bowerston - Financing Plan |
| Bridgeport - Other |
| Canal Winchester - Financing Plan |
| Canfield - Utility Planning |
| Catawba - Rate Study |
| Catawba - Utility Planning |
| Cherry Ridge - Other |
| Coal Grove - Utility Planning |
| Columbiana - Utility Planning |
| Crooksville - TA to Governing Board |
| Danville - Developing Budgets |
| Danville - Other |
| Danville - Rate Study |
| Danville - TA to Governing Board |
| Donnelsville - TA to Governing Board |
| Donnelsville - Utility Planning |

| |
|---|
| Fayette - Financing Plan |
| Florida - Capital Improvement Plan |
| Florida - Utility Planning |
| Forest - Developing Budgets |
| Freeport Water - Capital Improvement Plan |
| Freeport Water - O&M Costs |
| Freeport Water - Other |
| Freeport Water - Utility Planning |
| Grandview Heights - Other |
| Hecla Water Association - Financing Plan |
| Holloway - Capital Improvement Plan |
| Holloway - Financing Plan |
| Holloway - O&M Costs |
| Holloway - Other |
| Holloway - Utility Planning |
| La Rue - Utility Planning |
| Lawrence County Water District - Financing Plan |
| Lawrence County Water District - Utility Planning |
| Leetonia - Other |
| Lisbon - TA to Governing Boar |
| Little Hocking Water Association - Rate Study |
| London - TA to Governing Board |
| Malinta - Financing Plan |
| Matamoras - Rate Study |
| Matamoras - Utility Planning |
| Middlefield - Utility Planning |
| Millersport - Financing Plan |
| Millersport - Utility Planning |
| Mount Blanchard - Capital Improvement Plan |
| Mount Sterling - Capital Improvement Plan |
| Mount Sterling - Rate Study |
| Mount Sterling - Utility Planning |
| Nelsonville - Utility Planning |
| Noble Water Company - Other |
| North Baltimore - Utility Planning |
| North Fairfield - Other |
| Oak Hill - Other |
| Oak Hill - Utility Planning |
| Payne - Utility Planning |
| Peyton Community Well - Financing Plan |
| Peyton Community Well - TA to Governing Board |
| Republic - Rate Study |
| Republic - Utility Planning |
| Shadyside - O&M Costs |

| |
|---|
| Shiloh - Financing Plan |
| Shiloh - Other |
| South Point - Rate Study |
| Spring Valley - Financing Plan |
| Upper Sandusky - Utility Planning |
| Walnut Creek Water Company - Developing Budgets |
| Zaleski - TA to Governing Board |

e. Asset Management Requirement

Number of systems assisted: 34

| |
|--|
| Addyston- Financial |
| Addyston- TMF |
| Attica- Financial |
| Bridgeport- TMF |
| Canal Winchester- Financial |
| Canfield- TMF/Financial |
| Coal Grove- Financial |
| Columbiana- TMF |
| Coshocton- Financial |
| Coshocton- Warsaw- Financial |
| Danville- Financial |
| Danville- TMF |
| Dunkirk- Financial |
| East Palestine- Financial |
| Fayette- Financial |
| Florida- TMF |
| Freeport- TMF |
| Gallia County Rural Water Assoc- Financial |
| Holloway- TMF |
| Kelleys Island- Financial |
| Kelleys Island- TMF |
| Kenton- Financial |
| Lisbon- Financial |
| Lodi- Financial |
| Malvern- Financial |
| Middlefield- Financial |
| Millersport- Financial |
| Mount Sterling- Financial |
| Nelsonville- Financial |
| Nevada- Financial |
| Noble Water Company- Financial |
| North Baltimore- Financial |
| Peyton Community Well- Financial |

| |
|---------------------------------------|
| Shiloh- Financial |
| South Point- PH3- Financial |
| South Point- Well- Financial |
| Spring Valley- Financial |
| St. Clairsville- Financial |
| Walnut Creek Water Company- Financial |

2. Report on the “RCAP Team Approach”

Community- Village of Addyston

Benchmarks accomplished- valve exercising; project nominations; design loan application; asset planning checklist; asset management plan; capital improvement plan.

Next steps- RCAP will continue to work on acquiring financing for distribution system projects under regular technical assistance. Intensive technical assistance is complete.

Community- Village of Catawba

Benchmarks accomplished- site visit; rate study.

Next steps- identify future capital improvements needs to include in rate study; assist project engineer with general plan as needed; assist with acquiring financing.

Community- Village of Donnelsville

Benchmarks accomplished- assisted with QBS of consulting engineer.

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 Freeport

Benchmarks accomplished- site sampling plan; rate study; backflow ordinance; clearwell repair; hydrant flushing plan; GIS mapping; valve exercising plan; asset management plan; WTP equipment condition and criticality assessment; contingency plan; backflow plan.

Next steps- none, intensive technical assistance is complete.

Community- Village of Holloway

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.

Next steps- continue assisting with plan approval for new greensand-plus in the WTP filters; provide financial review to facilitate discussions on potential regionalization.

Community- Village of 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.

Next steps- complete water audit; assist village with completing water tank replacement project.

Community- Village of Oak Hill

Benchmarks accomplished- rate study; water audit.

Next steps- RCAP will continue to update water audit as more information is developed by village under regular technical assistance. Intensive technical assistance is complete.

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

During the year RCAP identified communities to participate in the asset management cohort group; scheduled training events; made staff assignments; prepared presentation materials and template documents; conducted the first two group trainings focusing on administrative review topics including management structure, rules and regulations, and best practices; prepared for inventory maintenance development; created and modified asset management plans; conducted workshopping meetings with individual communities focusing on inventory development, criticality, maintenance, and prioritization; developed inventories; used mapping to add key details; determined which assets were critical; developed maintenance planning worksheets; completed capital improvement plans; conducted workshopping meetings; completed last virtual trainings focusing on contingency planning, source water protection planning, and financial aspects of asset management, completed asset inventories and financial projections; prepared and printed binders for communities; reviewed plan components with participating communities; conducted council meeting presentations. Participating communities have been fully trained in asset management plan creation and prepped for continued updates.

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 |
| 09/14/22 | Webinar | Asset Management for Drinking Water Systems Day 1 | 46 | 45 |
| 09/15/22 | Webinar | Asset Management for Drinking Water Systems Day 2 | 48 | 45 |
| 09/27/22 | Webinar | Lead and Copper Compliance Part 1 | 39 | 38 |
| 09/28/22 | Webinar | Lead and Copper Compliance Part 2- Group 1 | 17 | 17 |
| 09/29/22 | Webinar | Lead and Copper Compliance Part 2- Group 2 | 17 | 16 |
| 10/05/22 | Webinar | Lead & Copper Compliance Part 2 | 9 | 7 |
| 10/12/22 | Webinar | Guiding & Funding Your Future: Planning for Your System's Future | 23 | 19 |
| 10/25/22 | Athens | 101 Utility Management for Governing Boards | 14 | 6 |
| 10/26/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 29 | 27 |
| 11/02/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 39 | 30 |
| 11/15/22 | Hillsboro | 101 Utility Management for Governing Boards | 11 | 11 |
| 12/08/22 | Bowling Green | 101 Utility Management for Governing Boards | 15 | 12 |
| 01/17/23 | Webinar | 101 Utility Management for Governing Boards Part 1 | 40 | 25 |
| 01/24/23 | Webinar | 101 Utility Management for Governing Boards Part 2 | 32 | 18 |
| 02/16/23 | Webinar | Basic Math for Operators | 30 | 12 |
| 02/23/23 | Webinar | Basics of Budgeting for Water Utilities | 48 | 33 |
| 03/02/23 | Webinar | Advanced Math for Operators | 29 | 26 |
| 03/07/23 | Webinar | 201 Financial Management for Governing Boards Part 1 | 38 | 32 |
| 03/08/23 | Webinar | Basics of Rate Setting | 36 | 32 |
| 03/14/23 | Webinar | 201 Financial Management for Governing Boards Part 2 | 31 | 25 |
| 03/16/23 | Kenton | Water Quality Monitoring: Before the Sample | 14 | 11 |
| 05/02/23 | Webinar | Basics of Pressure Management | 16 | 13 |
| 06/14/23 | Ashland | Field Day | 66 | 49 |
| | | Total | 687 | 549 |

| Self-Paced Online Trainings | | | |
|-----------------------------|--|----------------|-----------|
| Quarter | Course | # Participants | # Systems |
| Q1 | Utility Management for Local Officials | 22 | 9 |
| Q2 | Utility Management for Local Officials | 35 | 11 |
| Q3 | Utility Management for Local Officials | 28 | 14 |
| Q4 | Utility Management for Local Officials | 9 | 4 |
| | Total | 94 | 38 |
| Q1 | Financial Management for Local Officials | 38 | 8 |
| Q2 | Financial Management for Local Officials | 19 | 11 |
| Q3 | Financial Management for Local Officials | 26 | 14 |
| Q4 | Financial Management for Local Officials | 7 | 3 |
| | Total | 90 | 36 |
| | Grand Total | 184 | 74 |

| Principal Forgiveness Training | |
|---|-----------------------------------|
| System | PF Training Requirement Met (Y/N) |
| Bowerston | Y |
| Brown County Rural Water Association | Y |
| East Palestine | Y |
| Fairport Harbor | Y |
| Fayette County | Y |
| Hamler | Y |
| Hebron | Y |
| La Rue | Y |
| Lisbon | Y |
| Malvern | Y |
| Muskingum County | Y |
| Nelsonville | Y |
| Piketon | Y |
| Portage County | N |
| Rittman | Y |
| Tri-County Rural Water & Sewer District | Y |
| Trumbull County | N |
| Tuppers Plains/Chester Water District | Y |

Leveraged Funds- During the program year, RCAP assisted 31 systems in obtaining \$59,818,945 in leveraged funds (\$32,253,614 in loan funds and \$27,565,331 in grant funds). See table below.

| LEVERAGED FUNDS 07/01/22-06/30/23 | | | | | |
|-----------------------------------|---------------|---------------|---------------|------------|------------|
| Community/Project Name | TAP | Loan | Grant | Source | Award Date |
| Barnesville | M. Tolzda | | \$ 1,675,000 | Local | 7/18/2022 |
| Barnesville | M. Tolzda | \$ 1,034,166 | | WSRLA | 7/18/2022 |
| Blanchester | K. Strickland | | \$ 50,000 | OEPA LSL | 10/27/2022 |
| Blanchester | K. Strickland | | \$ 1,500,000 | Army Corps | 6/30/2023 |
| Blanchester | K. Strickland | | \$ 350,955 | ODOD W&WW | 6/26/2023 |
| Bowerston | K. Strickland | \$ 1,200,000 | \$ 1,335,000 | USDA | 12/13/2022 |
| Bowerston | K. Strickland | \$ 465,021 | \$ 193,325 | WSRLA | 12/8/2022 |
| Bridgeport | M. Tolzda | | \$ 652,542 | WSRLA | 10/1/2022 |
| Bucyrus | C. Brookes | \$ 434,146 | | WSRLA | 2/23/2023 |
| Bucyrus | C. Brookes | | \$ 800,000 | H2Ohio | 10/1/2022 |
| Canal Winchester | H. Milner | \$ 2,000,000 | | WSRLA | 5/25/2023 |
| Canfield | M. Kline | \$ 2,324,988 | | WSRLA | 4/10/2023 |
| Cherry Ridge | P. Ewing | | \$ 558,044 | WSRLA | 6/29/2023 |
| Cherry Ridge | P. Ewing | | \$ 250,000 | ARC | 7/14/2023 |
| Cherry Ridge | P. Ewing | \$ 4,350,000 | | ARPA | 7/3/2023 |
| Coal Grove | K. Strickland | \$ 141,140 | | WSRLA | 2/23/2023 |
| Coshocton | B. Howard | \$ 339,170 | \$ 333,500 | WSRLA | 2/23/2023 |
| Donnelsville | K. Strickland | | \$ 750,000 | H2Ohio | 12/29/2022 |
| East Palestine | P. Ewing | \$ 2,064,759 | \$ 2,432,568 | WSRLA | 6/29/2023 |
| Fayette County | K. Strickland | \$ 651,152 | \$ 662,244 | WSRLA | 7/28/2022 |
| Hayesville | P. Ewing | \$ 391,701 | | WSRLA | 8/25/2022 |
| Hecla Water | K. Strickland | | \$ 2,000,000 | USEPA Stag | 12/29/2022 |
| Lawrence County | K. Strickland | | \$ 3,615,000 | ODOD W&WW | 6/26/2023 |
| Lisbon | P. Ewing | \$ 2,874,089 | \$ 1,633,875 | WSRLA | 6/29/2023 |
| Lodi | P. Ewing | \$ 1,759,000 | | WSRLA | 10/27/2022 |
| London | K. Strickland | | \$ 50,000 | OEPA LSL | 10/27/2022 |
| London | K. Strickland | \$ 557,014 | | OWDA | 12/8/2022 |
| Lowell | B. Howard | \$ 255,842 | \$ 2,011,791 | WSRLA | 5/25/2023 |
| Malvern | P. Ewing | \$ 250,875 | | OWDA | 10/27/2022 |
| Malvern | P. Ewing | \$ 13,400 | | WSRLA | 6/29/2023 |
| Malvern | P. Ewing | \$ 865,680 | \$ 404,186 | WSRLA | 9/27/2022 |
| Matamoras | K. Strickland | | \$ 50,000 | OEPA LSL | 10/27/2022 |
| Middlefield | M. Kline | | \$ 50,000 | H2Ohio | 10/27/2022 |
| Millersport | H. Milner | \$ 800,000 | | WSRLA | 4/27/2023 |
| Mt. Sterling | K. Strickland | | \$ 449,000 | OPWC | 10/20/2022 |
| Mt. Sterling | K. Strickland | \$ 93,556 | | WSRLA | 10/27/2022 |
| Nelsonville | K. Strickland | \$ 322,901 | | WSRLA | 8/25/2022 |
| Nelsonville | K. Strickland | \$ 3,393,729 | \$ 2,759,300 | WSRLA | 5/25/2023 |
| Neveda | C. Brookes | | \$ 800,000 | H2Ohio | 10/1/2022 |
| Neveda | C. Brookes | \$ 250,000 | \$ 250,000 | OPWC | 10/1/2022 |
| Neveda | C. Brookes | | \$ 200,000 | ARPA | 12/12/2022 |
| Neveda | C. Brookes | \$ 365,985 | | OWDA | 2/23/2023 |
| Shiloh | H. Milner | | \$ 500,000 | WSRLA | 1/19/2023 |
| Shiloh | H. Milner | | \$ 500,000 | CDBG | 3/17/2023 |
| Shiloh | H. Milner | | \$ 499,000 | OPWC | 4/26/2023 |
| South Point | B. Howard | \$ 86,401 | | WSRLA | 8/25/2022 |
| Spring Valley | B. Howard | \$ 251,075 | | OWDA | 12/8/2022 |
| St. Clairsville | M. Tolzda | | \$ 250,000 | ARC | 10/1/2022 |
| St. Clairsville | M. Tolzda | \$ 937,157 | | OWDA | 10/1/2022 |
| St. Clairsville | H. Milner | \$ 3,780,666 | | WSRLA | 11/21/2022 |
| | Subtotal | \$ 32,253,614 | \$ 27,565,331 | | |
| | Total | \$ | 59,818,945 | | |

APPENDIX

- Customer Satisfaction Surveys Summary
- Classroom & Webinar Trainings- Pre/Post Test Data
- First Quarter Report - July 1, 2022 to September 30, 2022
- Second Quarter Report - October 1, 2022 to December 31, 2022
- Third Quarter Report - January 1, 2023 to March 31, 2023
- Fourth Quarter Report - April 1, 2023 to June 30, 2023

Customer Satisfaction PY 21-22 results

| | Responses | Response Percentage |
|------|-----------|---------------------|
| Ohio | 134 | 53% |

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

| | |
|-----------------------|-----|
| 1 (Strongly Disagree) | 0 |
| 2 | 0 |
| 3 | 8 |
| 4 (Strongly Agree) | 126 |

2. We were helped in a timely manner.

| | |
|-----------------------|-----|
| 1 (Strongly Disagree) | 0 |
| 2 | 2 |
| 3 | 13 |
| 4 (Strongly Agree) | 120 |

3. We were treated with respect.

| | |
|-----------------------|-----|
| 1 (Strongly Disagree) | 0 |
| 2 | 0 |
| 3 | 8 |
| 4 (Strongly Agree) | 127 |

4. Our needs were met or are being addressed.

| | |
|-----------------------|-----|
| 1 (Strongly Disagree) | 0 |
| 2 | 2 |
| 3 | 10 |
| 4 (Strongly Agree) | 123 |

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

| | |
|-----------------------|-----|
| 1 (Strongly Disagree) | 0 |
| 2 | 2 |
| 3 | 9 |
| 4 (Strongly Agree) | 124 |

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

| | |
|-----------------------|-----|
| 1 (Strongly Disagree) | 0 |
| 2 | 0 |
| 3 | 11 |
| 4 (Strongly Agree) | 123 |

| Classroom & Webinar Trainings- Pre/Post Test Data | | | | | | | |
|---|---------------|--|----------------|-----------|---------------|------------|-------------|
| Date | Location | Course | # Participants | # Systems | Location | Pre test % | Post test % |
| 09/14/22 | Webinar | Asset Management for Drinking Water Systems Day 1 | 46 | 45 | Webinar | 52 | 67 |
| 09/15/22 | Webinar | Asset Management for Drinking Water Systems Day 2 | 48 | 45 | Webinar | 52 | 67 |
| 09/27/22 | Webinar | Lead and Copper Compliance Part 1 | 39 | 38 | Webinar | 55 | 77 |
| 09/28/22 | Webinar | Lead and Copper Compliance Part 2- Group 1 | 17 | 17 | Webinar | 46 | 61 |
| 09/29/22 | Webinar | Lead and Copper Compliance Part 2- Group 2 | 17 | 16 | Webinar | 60 | 72 |
| 10/05/22 | Webinar | Lead & Copper Compliance Part 2 | 9 | 7 | Webinar | 44 | 71 |
| 10/12/22 | Webinar | Guiding & Funding Your Future: Planning for Your System's Future | 23 | 19 | Webinar | No Data | No Data |
| 10/25/22 | Athens | 101 Utility Management for Governing Boards | 14 | 6 | Athens | 56 | 72 |
| 10/26/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 29 | 27 | Webinar | 91 | 96 |
| 11/02/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 39 | 30 | Webinar | 57 | 63 |
| 11/15/22 | Hillsboro | 101 Utility Management for Governing Boards | 11 | 11 | Hillsboro | 61 | 73 |
| 12/08/22 | Bowling Green | 101 Utility Management for Governing Boards | 15 | 12 | Bowling Green | 83 | 71 |
| 01/17/23 | Webinar | 101 Utility Management for Governing Boards Part 1 | 40 | 25 | Webinar | 53 | 59 |
| 01/24/23 | Webinar | 101 Utility Management for Governing Boards Part 2 | 32 | 18 | Webinar | 55 | 76 |
| 02/16/23 | Webinar | Basic Math for Operators | 30 | 12 | Webinar | 41 | 89 |
| 02/23/23 | Webinar | Basics of Budgeting for Water Utilities | 48 | 33 | Webinar | 92 | 95 |
| 03/02/23 | Webinar | Advanced Math for Operators | 29 | 26 | Webinar | No Data | No Data |
| 03/07/23 | Webinar | 201 Financial Management for Governing Boards Part 1 | 38 | 32 | Webinar | 53 | 67 |
| 03/08/23 | Webinar | Basics of Rate Setting | 36 | 32 | Webinar | 85 | 86 |
| 03/14/23 | Webinar | 201 Financial Management for Governing Boards Part 2 | 31 | 25 | Webinar | 53 | 67 |
| 03/16/23 | Kenton | Water Quality Monitoring: Before the Sample | 14 | 11 | Kenton | 79 | 94 |
| 05/02/23 | Webinar | Basics of Pressure Management | 16 | 13 | Webinar | 90 | 94 |
| 06/14/23 | Ashland | Field Day | 66 | 49 | Ashland | none given | none given |
| | | Total | 687 | 549 | | | |

RCAP Quarterly Report for July 1, 2022 to September 30, 2022

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

| DWAF Planning and Design Applications |
|---------------------------------------|
| Addyston |
| Coal Grove |
| Malvern |
| Mount Sterling |
| Nelsonville |
| Shiloh |

| DWAF Construction Applications |
|---------------------------------------|
| East Palestine |
| Gallia County Rural Water Association |
| Lodi |
| Noble Water Company |
| Peyton Community Well |
| St. Clairsville |

| Other Funder's Applications |
|---|
| Blanchester - LSL Inventory Mapping Grant |
| Lisbon - ARC |
| London - LSL Inventory Mapping Grant |
| Lowell - ARC |
| Lowell - CEC |
| Malvern - OWDA |
| Matamoras - LSL Inventory Mapping Grant |
| Middlefield - LSL Inventory Mapping Grant |
| Pemberville - OWDA |
| Shiloh - OPWC |
| Spring Valley - OWDA |
| Walnut Creek - ARC |

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

| |
|--------------------------------|
| Blanchester |
| Bowerston |
| Bucyrus |
| Felicity |
| Jackson |
| Kenton |
| Lawrence County Water District |
| London |

| |
|-----------------------|
| Lowell |
| Mount Sterling |
| Nevada |
| Pemberville |
| Peyton Community Well |
| Shiloh |
| Spring Valley |
| Upper Sanducky |
| Zaleski |

c. Readiness to proceed issues

| |
|---|
| Addyston - Funding |
| Blanchester - Funding |
| Bowerston - Funding |
| Bucyrus - Funding |
| Canal Winchester - Gathering Supporting Documentation |
| Canal Winchester - Hiring an Engineer |
| Canal Winchester - Obtaining Cost Estimates |
| Canal Winchester - Project Description |
| Canal Winchester - Project Schedule |
| Coal Grove - Funding |
| Coshocton - Project Schedule |
| Danville - Gathering Supporting Documentation |
| East Palestine - Completing Data Collection |
| East Palestine - Funding |
| East Palestine - Project Schedule |
| Fayette County - Funding |
| Fletcher - Funding |
| Fredericksburg - Project Schedule |
| Gallia County Rural Water Association - Funding |
| Hayesville - Funding |
| Jackson - Funding |
| Jackson - Hiring an Engineer |
| La Rue - Funding |
| Lawrence County Water District - Funding |
| Leetonia - Hiring an Engineer |
| Lisbon - Project Schedule |
| Lodi - Funding |
| London - Funding |
| Lowell - Funding |
| Malvern - Funding |
| Matamoras - Funding |
| Middlefield - Funding |
| Millersport - Gathering Supporting Documentation |

| |
|---|
| Mount Sterling - Funding |
| Nelsonville - Funding |
| Nelsonville - Funding |
| Nevada - Funding |
| Noble Water Company - Funding |
| North Baltimore - Funding |
| Proctorville - Funding |
| Scioto Water, Inc. - Funding |
| Shiloh - Funding |
| South Point - Funding |
| St. Clairsville - Funding |
| Walnut Creek Water Company - Funding |
| Walnut Creek Water Company - Other |
| Walnut Creek Water Company - Project Schedule |
| Wellston - Funding |

d. Capacity development

| |
|---|
| Addyston - Utility Planning |
| Cherry Ridge - Other |
| Fayette - Financing Plan |
| Freeport Water - Capital Improvement Plan |
| Freeport Water - O&M Costs |
| Freeport Water - Utility Planning |
| Holloway - Capital Improvement Plan |
| Holloway - O&M Costs |
| Holloway - Utility Planning |
| Lawrence County Water District - Financing Plan |
| Leetonia - Other |
| London - TA to Governing Board |
| Matamoras - Utility Planning |
| Mount Sterling - Rate Study |
| Mount Sterling - Utility Planning |
| Nelsonville - Utility Planning |
| North Baltimore - Utility Planning |
| Oak Hill - Other |
| Payne - Utility Planning |
| South Point - Rate Study |
| Spring Valley - Financing Plan |
| Upper Sandusky - Utility Planning |
| Zaleski - TA to Governing Board |

2. Report on the “RCAP Team Approach”

Community- Village of Addyston

Capacity development needs- asset management plan; financing for distribution system projects.

Assistance provided- communicated with Ohio EPA and project team regarding projects nominated and which projects will be moving forward; discussed documentation needed to qualify for principal forgiveness from Ohio EPA; discussed and enrolled community in the asset management cohort project to improve the TMF capacity of the water system; facilitated project team meeting on 08/02/22; drafted Ohio EPA design loan application; requested and received additional financial data from the village; facilitated project team meeting on 09/08/22 to discuss lead service line mapping and material identification; worked on financial summary and financial projection; facilitated a project team meeting on 09/13/22.

Benchmarks accomplished- valve exercising; project nominations.

Effectiveness- the village is slowly increasing their TMF capacity.

Next steps- complete capital improvements plan; complete asset management plan; continue to work on acquiring financing for distribution system projects.

Community- Village of Freeport

Capacity development needs- water audit; rate study; contingency plan; GIS; resolving NOVs.

Assistance provided- continued assisting Freeport in eliminating their OEPA Notices of Violations; worked with the village to repair the clearwell; completed the hydrant flushing plan; worked on the contingency plan; completed GIS mapping; completed valve exercising plan; completed the WTP equipment condition and criticality assessment; assisted village with completing missing pieces of their asset management plan.

Benchmarks accomplished- site sampling plan; rate study; backflow ordinance; clearwell repair; hydrant flushing plan; GIS mapping; valve exercising plan; asset management plan; WTP equipment condition and criticality assessment.

Effectiveness- a majority of the NOVs have been resolved.

Next steps- continue working with the village on finalizing their contingency plan; assist village with implementing their backflow plan.

Community- Village of Holloway

Capacity development needs- resolving NOVs; contingency plan; financing for improvements.

Assistance provided- continued assisting Holloway in eliminating their OEPA Notices of Violations; completed site sampling plan; completed general total coliform sampling siting plan; completed backflow ordinance; conducted site visit to work with new operators to inform them of the progress made so far and what needs to be done to return to compliance; shared a large amount of collected data and requested more data from the new operators; completed WTP equipment condition and criticality assessment; completed 5 and 20 year capital improvements plan; worked on contingency plan; worked on asset management plan.

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.

Effectiveness- a majority of the NOVs have been resolved.

Next steps- complete contingency plan; continue assisting with completion of missing parts of the asset management plan; assist village with implementing their backflow plan; assist with obtaining plan approval for green sand plus water filters.

Community- Village of Mt. Sterling

Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.

Assistance provided- Met with village on 07/12/22 to discuss the draft rate study; completed additional valve exercising on 07/12/22 and 07/13/22; prepared agenda for regionalization meeting between village and county; facilitated project team meeting on 07/28/22; facilitated meeting between village and county to discuss regionalization on 08/01/22; revised rate study to determine cost per 1,000 gallons; facilitated project team

meeting on 08/25/22; setup final date to complete valve exercising; completed and submitted Ohio EPA design loan application; completed final valve exercising on 09/07/22; communicated with Ohio EPA, village, and project engineer regarding additional documentation needed for the Ohio EPA design loan application; facilitated project team meeting on 09/29/22; assisted the village with acquiring consulting services for the HTRW assessment needed for Army Corps financing.

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 application.

Effectiveness- The village has made substantial progress toward increasing their TMF capacity.

Next steps- revise rate study; complete valve exercising plan; complete hydrant flushing plan; assist village with completing water tank replacement project.

Community- Village of Oak Hill

Capacity development needs- water audit; rate study.

Assistance provided- reviewed information from village for the water audit; communicated with village regarding service line inventory and mapping, water audit, and GIS cooperative and setup meeting with water operator to discuss RCAP services for service line inventory and mapping; met with the village on 09/07/22 to discuss service line mapping and service line material identification; obtained customer data from the village.

Benchmarks accomplished- rate study.

Effectiveness- the village has made progress toward increasing their TMF capacity.

Next steps- complete water audit; present rate study and water audit to council.

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

During the quarter RCAP identified communities to participate in an asset management cohort group. Dates for training events and staff assignments were decided. Presentation materials and template documents were revised in preparation for the new cohort group. Community interactions will begin next quarter.

4. Report on classroom and online training provided

| Classroom & Webinar Trainings | | | | |
|-------------------------------|----------|---|----------------|-----------|
| Date | Location | Course | # Participants | # Systems |
| 09/14/22 | Webinar | Asset Management for Drinking Water Systems Day 1 | 46 | 45 |
| 09/15/22 | Webinar | Asset Management for Drinking Water Systems Day 2 | 48 | 45 |
| 09/27/22 | Webinar | Lead and Copper Compliance Part 1 | 39 | 38 |
| 09/28/22 | Webinar | Lead and Copper Compliance Part 2- Group 1 | 17 | 17 |
| 09/29/22 | Webinar | Lead and Copper Compliance Part 2- Group 2 | 17 | 16 |
| | | Total | 167 | 161 |

| Self-Paced Online Trainings | | |
|--|----------------|-----------|
| Course | # Participants | # Systems |
| Utility Management for Local Officials | 35 | 11 |
| Financial Management for Local Officials | 19 | 11 |
| Total | 54 | 22 |

| Principal Forgiveness Training | |
|---|-----------------------------------|
| System | PF Training Requirement Met (Y/N) |
| Bowerston | N |
| Brown County Rural Water Association | N |
| East Palestine | Y |
| Fairport Harbor | N |
| Fayette County | Y |
| Hamler | N |
| Hebron | N |
| La Rue | Y |
| Lisbon | N |
| Malvern | Y |
| Muskingum County | N |
| Nelsonville | Y |
| Piketon | N |
| Portage County | N |
| Rittman | N |
| Tri-County Rural Water & Sewer District | Y |
| Trumbull County | N |
| Tuppers Plains/Chester Water District | N |

RCAP Quarterly Report for October 1, 2022 to December 31, 2022

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

| DWAF Planning and Design Applications |
|---------------------------------------|
| Addyston |
| Dunkirk |
| Middlefield |
| Mount Sterling |

| DWAF Construction Applications |
|--------------------------------|
| Canal Winchester |
| Middlefield |
| Nevada |
| Spring Valley |
| Walnut Creek Water Company |

| Other Funder's Applications |
|--|
| Brewster - OWDA |
| Coshocton - Army Corps |
| Fayette - OWDA |
| Jeffersonville - OWDA |
| Kenton - USDA |
| Lawrence County Water District - Federal Appropriation |
| Lisbon - ARC |
| Lowell - ARC |
| Shiloh - OPWC |
| Shiloh - ARPA |
| Spring Valley - OWDA |
| Walnut Creek Water Company - ARC |

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

| |
|----------------|
| Addyston |
| Blanchester |
| Bloomville |
| Bowerston |
| Bucyrus |
| Catawba |
| Danville |
| Donnelsville |
| Dunkirk |
| Fayette |
| Fredericksburg |

| |
|--------------------------------|
| Kelleys Island |
| Lawrence County Water District |
| Lisbon |
| Malvern |
| Matamoras |
| Millersport |
| Mount Sterling |
| Nevada |
| Shiloh |
| St. Clairsville |
| Upper Sandusky |
| Wellston |
| Zaleski |

c. Readiness to proceed issues

| |
|---|
| Addyston - Funding |
| Blanchester - Funding |
| Bloomville - Determining most cost effective option |
| Bloomville - Funding |
| Bowerston - Funding |
| Brewster - Funding |
| Bucyrus - Funding |
| Canal Winchester - Funding |
| Coal Grove - Funding |
| Coshocton - Funding |
| Danville - Completing Data Collection |
| Danville - Gathering Supporting Documentation |
| Danville - Project Description |
| Danville - Project Schedule |
| Donnelsville - Hiring an Engineer |
| Dunkirk - Determining most cost effective option |
| Dunkirk - Funding |
| East Palestine - Funding |
| East Palestine - Project Schedule |
| Fayette - Funding |
| Fayette - Project Schedule |
| Felicity - Funding |
| Fletcher - Funding |
| Fredericksburg - Project Schedule |
| Freeport Water - Funding |
| Gallia County Rural Water Association - Funding |
| Jeffersonville - Funding |
| Kenton - Funding |
| La Rue - Funding |

| |
|---|
| Lawrence County Water District - Funding |
| Lisbon - Project Schedule |
| Lowell - Funding |
| Malvern - Project Schedule |
| Matamoras - Funding |
| Middlefield - Funding |
| Millersport - Completing Data Collection |
| Millersport - Funding |
| Mount Sterling - Funding |
| Nelsonville - Funding |
| Nelsonville - Project Schedule |
| Nevada - Funding |
| Noble County Water Authority - Gathering Supporting Documentation |
| Noble County Water Authority - Project Schedule |
| Noble Water Company - Funding |
| North Baltimore - Funding |
| Peyton Community Well - Funding |
| Scioto Water, Inc. - Funding |
| Shiloh - Funding - |
| Shiloh - Project Schedule |
| South Point - Funding |
| Spring Valley - Funding |
| St. Clairsville - Funding |
| Upper Sandusky - Funding |
| Walnut Creek Water Company - Completing Data Collection |
| Walnut Creek Water Company - Funding |
| Walnut Creek Water Company - Other |
| Walnut Creek Water Company - Project Schedule |
| Wellston - Funding |

d. Capacity development

| |
|-----------------------------------|
| Addyston - Utility Planning |
| Blanchester - Utility Planning |
| Blanchester - Financing Plan |
| Bloomville - Rate Study |
| Bowerston - Financing Plan |
| Canal Winchester - Financing Plan |
| Catawba - Utility Planning |
| Catawba - Rate Study |
| Coal Grove - Utility Planning |
| Danville - TA to Governing Board |
| Danville - Developing Budgets |
| Danville - Rate Study |
| Freeport Water - Other |

| |
|---|
| Holloway - Other |
| Lawrence County Water District - Utility Planning |
| Lisbon - TA to Governing Boar |
| Matamoras - Utility Planning |
| Middlefield - Utility Planning |
| Millersport - Utility Planning |
| Mount Sterling - Utility Planning |
| Nelsonville - Utility Planning |
| North Fairfield - Other |
| Oak Hill - Other |
| Oak Hill - Utility Planning |
| Shiloh - Other |
| South Point - Rate Study |
| Upper Sandusky - Utility Planning |
| Walnut Creek Water Company - Developing Budgets |
| Zaleski - TA to Governing Board |

2. Report on the “RCAP Team Approach”

Community- Village of Addyston

Capacity development needs- asset management plan; financing for distribution system projects.

Assistance provided- drafted asset management plan; sent list of items needed to complete the design loan application; facilitated project team meeting on 10/11/22; began working with the village under the asset management cohort; facilitated project team meeting on 11/08/22; completed and submitted Ohio EPA design loan application; discussed lead service line mapping and identification assistance which is going to start after the first of the year; completed asset planning checklist; facilitated project team meeting on 12/13/22.

Benchmarks accomplished- valve exercising; project nominations; design loan application; asset planning checklist.

Effectiveness- the village is slowly increasing their TMF capacity.

Next steps- complete capital improvements plan; complete asset management plan; continue to work on acquiring financing for distribution system projects.

Community- Village of Catawba

Capacity development needs- rate study; financing for repair and replacement projects.

Assistance provided- communicated with Ohio EPA regarding water system needs; contacted fiscal officer and requested financial information; received some information from the fiscal officer; drafted rate study; requested additional financial documents from fiscal officer.

Benchmarks accomplished- none, first quarter of technical assistance.

Effectiveness- TBD.

Next steps- complete site visit; draft rate study; assist with acquiring financing.

Community- Village of Donnelsville

Capacity development needs- assistance with Qualifications Based Selection of engineering consultant; project development.

Assistance provided- met with Ohio EPA on 12/06/22 to discuss water issues in the village; met with village and Ohio EPA on 12/21/22 to discuss project, financing and action plan; prepared request for qualifications.

Benchmarks accomplished- none, first quarter of technical assistance.

Effectiveness- TBD.

Next steps- assist village with Qualifications Based Selection process; assist with project development.

Community- Village of Freeport

Capacity development needs- water audit; rate study; contingency plan; GIS; resolving NOVs.

Assistance provided- continued assisting village in eliminating their OEPA Notices of Violations; communicated with village and requested information for the contingency plan; updated the list of corrected violations and sent the updated list and letter to the operator of record; worked with village to obtain grants for WTP upgrade and equipment.

Benchmarks accomplished- site sampling plan; rate study; backflow ordinance; clearwell repair; hydrant flushing plan; GIS mapping; valve exercising plan; asset management plan; WTP equipment condition and criticality assessment.

Effectiveness- a majority of the NOVs have been resolved.

Next steps- continue working with the village on finalizing their contingency plan; assist village with implementing their backflow plan.

Community- Village of Holloway

Capacity development needs- resolving NOVs; contingency plan; financing for improvements.

Assistance provided- continued assisting village in eliminating their OEPA Notices of Violations; worked on implementing the backflow plan; worked on parts of their asset management plan; worked with the OEPA to resolve issue with plan approval for new filter media; worked on and finished contingency plan and submitted it to OEPA; communicated with village about regionalization; printed out completed files and paperwork and mailed hard copies to village; worked with village to obtain grants for equipment; prepared draft financial proforma based on publicly available data and reached out regarding a meeting with council to discuss controlling costs; communicated with village regarding information needed to finish the asset management plan.

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.

Effectiveness- a majority of the NOVs have been resolved.

Next steps- continue assisting with completion of missing parts of the asset management plan; assist village with implementing their backflow plan.

Community- Village of Mt. Sterling

Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.

Assistance provided- revised Ohio EPA design loan application; assisted the village with locating the correct working valves around a fire hydrant so they could shut-off water; prepared legal letter and general certificate; prepared financing plan; facilitated project team meeting on 10/27/22; completed valve exercising plan and valve exercising report; communicated with Ohio EPA regarding questions concerning the notice of violations; facilitated project team meeting on 11/17/22; sent the revised valve exercising plan to the village and Ohio EPA; communicated with the village and project engineer regarding the design loan being approved; revised meeting notes from November meeting; developed list of action items that still need to be addressed; rescheduled December project team meeting for January 19; communicated with HTRW consultant and project engineer regarding information needed.

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. Effectiveness- The village has made substantial progress toward increasing their TMF capacity. Next steps- revise rate study; complete hydrant flushing plan; assist village with completing water tank replacement project.

Community- Village of Oak Hill

Capacity development needs- water audit; rate study.

Assistance provided- communicated with village regarding GIS cooperative; communicated with the village regarding the rate increase council recently approved; communicated with village regarding information needed for the water audit; drafted water audit; communicated with the village regarding the lead service line technical assistance beginning after the first of the year.

Benchmarks accomplished- rate study.

Effectiveness- the village has made progress toward increasing their TMF capacity.

Next steps- complete water audit.

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

During the quarter RCAP held the first two group trainings of the asset management cohort. Training and workshopping focused administrative review topics included management structure, rules and regulations, and best practices. Communities were prepared for inventory maintenance development, which will occur next quarter. Four communities are working directly with RCAP to create and modify asset management plans. Additional communities are attending the virtual trainings. RCAP staff held 9 workshopping meetings with individual communities during the quarter.

4. Report on classroom and online training provided

| Classroom & Webinar Trainings | | | | |
|-------------------------------|---------------|--|----------------|-----------|
| Date | Location | Course | # Participants | # Systems |
| 10/05/22 | Webinar | Lead & Copper Compliance Part 2 | 9 | 7 |
| 10/12/22 | Webinar | Guiding & Funding Your Future: Planning for Your System's Future | 23 | 19 |
| 10/25/22 | Athens | 101 Utility Management for Governing Boards | 14 | 6 |
| 10/26/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 29 | 27 |
| 11/02/22 | Webinar | Guiding & Funding Your Future: Planning, Life Cycle Cost and Present Worth | 39 | 30 |
| 11/15/22 | Hillsboro | 101 Utility Management for Governing Boards | 11 | 11 |
| 12/08/22 | Bowling Green | 101 Utility Management for Governing Boards | 15 | 12 |
| | | Total | 140 | 112 |

| Self-Paced Online Trainings | | |
|--|-------------------|--------------|
| Course | # Participants | # Systems |
| Utility Management for Local Officials | 22 | 9 |
| Financial Management for Local Officials | 38 | 8 |
| Total | 60 | 17 |

| Principal Forgiveness Training | |
|---|-----------------------------------|
| System | PF Training Requirement Met (Y/N) |
| Bowerston | Y |
| Brown County Rural Water Association | Y |
| East Palestine | Y |
| Fairport Harbor | N |
| Fayette County | Y |
| Hamler | Y |
| Hebron | Y |
| La Rue | Y |
| Lisbon | N |
| Malvern | Y |
| Muskingum County | N |
| Nelsonville | N |
| Piketon | N |
| Portage County | N |
| Rittman | N |
| Tri-County Rural Water & Sewer District | Y |
| Trumbull County | N |
| Tuppers Plains/Chester Water District | N |

RCAP Quarterly Report for January 1, 2023 to March 31, 2023

1. Report on the small systems assisted

a. Preparation of DWAF and other funder's applications

DWAF Nominations

| | |
|-------------------------|--|
| Addyston | Sekitan Avenue Watermain & LSL |
| Addyston | Distribution, Service Line, & Transmission Replacement |
| Attica | Regionalization with Willard |
| Blanchester | Reservoir #3 Improvements |
| Blanchester | Vine Street Water Tower Rehabilitation |
| Bridgeport | PFAS Well Abandonment |
| Buckeye Water District | Transmission Main |
| Canal Winchester | Waterline Improvements |
| Coal Grove | Interconnection |
| Coal Grove | Waterline Replacement Phase 2 |
| Coshocton | Coshocton - Warsaw Interconnection |
| Dunkirk | LSL & Waterline Replacement Phase 1 |
| East Canton | Water Tower Improvements/Water Main Replacement |
| East Palestine | Waterline Replacement |
| Felicity | New Water Storage Facility |
| Fletcher | Water Tower Replacement |
| Freeport | Water System Improvements |
| Gallipolis | Watermain Replacement |
| Hecla Water Association | Macedonia Hill Waterline & Booster Station |
| Hecla Water Association | Proctorville Water System Improvements |
| Jackson | Florence Avenue Waterline Replacement |
| Jamestown | Water Treatment Plant Improvements |
| Kelleys Island | Huntington Lane Waterline Replacement |
| Kenton | Downtown Waterline Replacement P2 |
| La Rue | Water Treatment Plant |
| Lakemore | Water Storage Tower |
| Lisbon | North End Tower & Pressure |
| Lisbon | SR45 Waterline Extension |
| London | North Main Street Waterline Replacement |
| London | East Water Treatment Plant Upgrades |
| London | West Water Treatment Plant Filter Media CST |
| London | East Water Treatment Plant Well & Pumps |
| Lowell | Water Treatment Plant Replacement |
| Malvern | Phase 2 Waterline Replacement |
| Matamoras | Cast Iron WL Replacement |
| Matamoras | Connection to Monroe Water |
| Middlefield | Water Well #3 |

| | |
|--|---|
| Milan | Water Tower Improvements |
| Morgan Meigsville Rural Water District | SR 60 Waterline Extension |
| Muskingum County | Maysville Water Connection |
| Nelsonville | Phase 2 Waterline Replacement |
| Nelsonville | Phase 3 Water |
| Noble County Water Authority | Phase 3 Waterline Extension |
| Sabina | Waterline Connection to Wilmington |
| Scioto Water, Inc. | Rosehill Transmission Main Improvements |
| Sebring | Water Treatment Plant Improvements |
| Shiloh | Meter/Waterline/Tank Dismantling |
| South Point | New Source Well |
| South Point | Phase 3 |
| Walnut Creek Water Co. | Cherry Ridge Waterline Extension |
| Washingtonville | Water Tower |

DWAF Planning and Design Applications

| |
|----------------|
| Kelleys Island |
|----------------|

DWAF Construction Applications

| |
|-------------------|
| Blanchester |
| Ripley |
| Canfield |
| Coshocton- Warsaw |
| Millersport |
| Nelsonville |
| North Baltimore |

Other Funder's Applications

| |
|--------------------------------------|
| Amesville - Appropriation |
| Amesville - ARC |
| Blanchester - Appropriation Request |
| Blanchester - Army Corps |
| Dunkirk - FEMA |
| Fayette - OWDA |
| Hecla Water Association - USEPA STAG |
| Kenton - USDA |
| Malvern - ARC |
| Malvern - Federal Appropriation |
| Matamoras - ARC |
| Matamoras - Army Corps |

| |
|-----------------------------------|
| Muskingum County - ARC |
| Noble County Water Authority |
| Shiloh - CDBG |
| Shiloh - OPWC |
| Walnut Creek Water Company - HB45 |

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

| |
|-------------------------------|
| Attica |
| Blanchester |
| Bloomville |
| Catawba |
| Donnelsville |
| East Canton |
| Felicity |
| Hecla Water |
| Jeffersonville |
| La Rue |
| Matamoras |
| Millersport |
| Shiloh |
| Upper Sandusky |
| York Township Water Authority |

c. Readiness to proceed issues

| |
|--|
| Addyston - Funding |
| Amesville - Funding |
| Blanchester - Funding |
| Blanchester - Project Schedule |
| Bloomington - Funding |
| Bloomville - Funding |
| Bowerston - Funding |
| Bridgeport - Funding |
| Buckeye Water District - Funding |
| Bucyrus - Funding |
| Canal Winchester - Project Schedule |
| Canfield - Funding |
| Catawba - Determining Project Alternatives |
| Coal Grove - Funding |
| Crooksville - Completing Data Collection |
| Crooksville - Gathering Supporting Documentation |
| Crooksville - Project Description |

| |
|--|
| Danville - Gathering Supporting Documentation |
| Donnelsville - Hiring an Engineer |
| Dunkirk - Funding |
| East Canton - Completing Data Collection |
| East Canton - Determining most cost effective option |
| East Canton - Gathering Supporting Documentation |
| East Palestine - Funding |
| East Palestine - Project Schedule |
| Fayette - Funding |
| Felicity - Determining most cost effective option |
| Felicity - Funding |
| Fletcher - Funding |
| Fredericksburg - Project Schedule |
| Gallipolis - Funding |
| Hecla Water Association - Funding |
| Jackson - Funding |
| Jamestown - Funding |
| Jeffersonville - Funding |
| Kelleys Island - Funding |
| Kenton - Funding |
| La Rue - Determining most cost effective option |
| La Rue - Funding |
| Lakemore - Funding |
| Lisbon - Funding |
| Lisbon - Gathering Supporting Documentation |
| Lisbon - Project Schedule |
| Lowell - Project Schedule |
| Malvern - Funding |
| Malvern - Project Schedule |
| Matamoras - Determining most cost effective option |
| Matamoras - Funding |
| Middlefield - Funding |
| Milan - Funding |
| Millersport - Determining most cost effective option |
| Mount Sterling - Funding |
| Muskingum County |
| Nelsonville - Funding |
| Nevada - Funding |
| Noble County Water Authority - Project Schedule |
| Noble Water Company - Funding |
| North Baltimore - Funding |
| Ripley - Funding |

| |
|--|
| Sabina - Funding |
| Scioto Water, Inc. - Funding |
| Sebring - Funding |
| Shiloh - Funding |
| South Point - Obtaining Cost Estimates |
| Spring Valley - Other |
| Upper Sandusky - Determining Project Alternatives |
| Walnut Creek Water Company - Funding |
| Walnut Creek Water Company - Project Schedule |
| Washingtonville - Funding |
| Wellston - Funding |
| York Township Water Authority - Completing Data Collection |
| York Township Water Authority - Gathering Supporting Documentation |
| York Township Water Authority - Obtaining Cost Estimates |

d. Capacity development

| |
|---|
| Addyston - Utility Planning |
| Bellaire - Other |
| Blanchester - Utility Planning |
| Canfield - Utility Planning |
| Catawba - Utility Planning |
| Crooksville - TA to Governing Board |
| Danville - Developing Budgets |
| Danville - Other |
| Donnelsville - TA to Governing Board |
| Florida - Utility Planning |
| Freeport Water - Other |
| Holloway - Other |
| La Rue - Utility Planning |
| Little Hocking Water Association - Rate Study |
| Malinta - Financing Plan |
| Matamoras - Utility Planning |
| Millersport - Financing Plan |
| Mount Blanchard - Capital Improvement Plan |
| Mount Sterling - Utility Planning |
| Nelsonville - Utility Planning |
| Oak Hill - Utility Planning |
| Peyton Community Well - TA to Governing Board |
| Republic - Rate Study |
| Republic - Utility Planning |
| Shiloh - Financing Plan |

2. Report on the “RCAP Team Approach”

Community- Village of Addyston

Capacity development needs- asset management plan; financing for distribution system projects.

Assistance provided- communicated with Ohio EPA regarding project schedule; facilitated project team meeting on 01/10/23; prepared legal letter and general certificate for Ohio EPA design loan; facilitated project team meeting on 02/14/23; completed nomination forms for Sekitan Avenue Project and Waterline Replacement Project; communicated with Ohio EPA regarding nominated projects; facilitated project team meeting on 03/14/23.

Benchmarks accomplished- valve exercising; project nominations; design loan application; asset planning checklist.

Effectiveness- the village is slowly increasing their TMF capacity.

Next steps- complete capital improvements plan; complete asset management plan; continue to work on acquiring financing for distribution system projects.

Community- Village of Catawba

Capacity development needs- rate study; financing for repair and replacement projects.

Assistance provided- communicated with Ohio EPA regarding recent developments in village; conducted site visit at village water treatment plant; facilitated meeting on 01/26/23 between RCAP financial and technical staff to discuss condition of water system; communicated with Ohio EPA, other RCAP staff, and the village's consulting engineer regarding the rate study RCAP is working on; scheduled a meeting with Ohio EPA to discuss water system; met with Ohio EPA staff on 03/08/23 and discussed water system condition, financing options, and regional alternatives; communicated with nearby water system regarding potential equipment available; communicated with project engineer regarding proposed water system improvements project; completed draft of rate study with everything included other than specific future capital improvement needs.

Benchmarks accomplished- site visit; rate study.

Effectiveness- TBD.

Next steps- identify future capital improvements needs to include in rate study; setup treatment plant tour with nearby water system to review existing equipment; assist with acquiring financing.

Community- Village of Donnelsville

Capacity development needs- assistance with Qualifications Based Selection of consulting engineer; project development.

Assistance provided- reviewed H2Ohio grant agreement; discussed the RFQ process with the village; sent the RFQ to a list of consulting engineers; answered questions from several consultant engineers regarding the RFQ; met with the village selection committee to discuss RFQ process and qualifications review; communicated with consulting engineers regarding timeline for short-listing consultants; communicated with village selection committee regarding shortlist; contacted consulting engineers who were short-listed and scheduled interviews for 03/07/23; communicated with Ohio EPA regarding status of RFQ process; prepared consulting engineer interview sheet; communicated with shortlisted consulting engineers; attended consulting engineer interviews on 03/07/23; communicated with shortlisted consulting engineers regarding final ranking; communicated with highest ranked consulting engineer regarding proposal for engineering services; reviewed proposal for engineering services.

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.

Community- Village of Freeport

Capacity development needs- water audit; rate study; contingency plan; GIS; resolving NOVs.

Assistance provided- continued assisting village in eliminating their OEPA Notices of Violations; communicated with village and requested information for the contingency plan; met with OEPA; worked on the contingency plan; conducted site visit and met with village and OEPA; prepared and submitted WSRLA re-nomination; worked with village on implementing their backflow plan.

Benchmarks accomplished- site sampling plan; rate study; backflow ordinance; clearwell repair; hydrant flushing plan; GIS mapping; valve exercising plan; asset management plan; WTP equipment condition and criticality assessment.

Effectiveness- the village has made substantial progress toward increasing their TMF capacity.

Next steps- continue working with the village on finalizing their contingency plan; assist village with implementing their backflow plan.

Community- Village of Holloway

Capacity development needs- resolving NOVs; contingency plan; financing for improvements.

Assistance provided- continued assisting village in eliminating their OEPA Notices of Violations; communicated with village regarding controlling costs and regionalization; worked with village to obtain grants for equipment; worked on completing the asset management plan and obtaining plan approval for the new Greensand Plus in the water filters; facilitated meeting with village and OEPA regarding plan approval for Greensand Plus; assisted village in completing the asset management plan to submit to the OEPA.

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.

Effectiveness- the village has made substantial progress toward increasing their TMF capacity.

Next steps- assist village with implementing their backflow plan.

Community- Village of Mt. Sterling

Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.

Assistance provided- facilitated project team meeting on 01/19/23 to discuss outstanding issues with water system; communicated with village and Ohio EPA regarding project financing; drafted hydrant flushing plan; discussed project disbursements once construction begins.

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.

Effectiveness- the village has made substantial progress toward increasing their TMF capacity.

Next steps- complete hydrant flushing plan; assist village with completing unidirectional flushing of distribution system; assist village with completing water tank replacement project.

Community- Village of Oak Hill

Capacity development needs- water audit; rate study.

Assistance provided- obtained additional water purchase data from village; drafted water audit; communicated with the village regarding follow-up questions regarding water loss; reviewed historical water loss records; met with village on 02/07/23 to discuss the water audit draft; met with village on 03/20/23 to discuss results of water audit and additional auditing to be conducted to continue trying to identify water loss.

Benchmarks accomplished- rate study; draft water audit.

Effectiveness- the village has made progress toward increasing their TMF capacity.

Next steps- complete water audit.

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

During the quarter RCAP held two additional group trainings virtually. These trainings covered inventory development, criticality, maintenance, and prioritization. Communities developed inventories, used mapping add key details, and determined which assets are critical. Maintenance planning worksheets were developed. Capital improvement plans were discussed and drafted. RCAP held 7 workshopping meetings with individual communities. Plan binder drafts were created for participating communities for future review. Council meeting presentations for June have been scheduled to present plans when they are finalized.

4. Report on classroom and online training provided

| Classroom & Webinar Trainings | | | | |
|-------------------------------|----------|--|----------------|-----------|
| Date | Location | Course | # Participants | # Systems |
| 01/17/23 | Webinar | 101 Utility Management for Governing Boards Part 1 | 40 | 25 |
| 01/24/23 | Webinar | 101 Utility Management for Governing Boards Part 2 | 32 | 18 |
| 02/16/23 | Webinar | Basic Math for Operators | 30 | 12 |
| 02/23/23 | Webinar | Basics of Budgeting for Water Utilities | 48 | 33 |
| 03/02/23 | Webinar | Advanced Math for Operators | 29 | 26 |
| 03/07/23 | Webinar | 201 Financial Management for Governing Boards Part 1 | 38 | 32 |
| 03/08/23 | Webinar | Basics of Rate Setting | 36 | 32 |
| 03/14/23 | Webinar | 201 Financial Management for Governing Boards Part 2 | 31 | 25 |
| 03/16/23 | Kenton | Water Quality Monitoring: Before the Sample | 14 | 11 |
| | | Total | 298 | 214 |

| Self-Paced Online Trainings | | |
|--|----------------|-----------|
| Course | # Participants | # Systems |
| Utility Management for Local Officials | 28 | 14 |
| Financial Management for Local Officials | 26 | 14 |
| Total | 54 | 28 |

| Principal Forgiveness Training | |
|---|-----------------------------------|
| System | PF Training Requirement Met (Y/N) |
| Bowerston | Y |
| Brown County Rural Water Association | Y |
| East Palestine | Y |
| Fairport Harbor | N |
| Fayette County | Y |
| Hamler | Y |
| Hebron | Y |
| La Rue | Y |
| Lisbon | Y |
| Malvern | Y |
| Muskingum County | N |
| Nelsonville | N |
| Piketon | N |
| Portage County | N |
| Rittman | N |
| Tri-County Rural Water & Sewer District | Y |
| Trumbull County | N |
| Tuppers Plains/Chester Water District | N |

RCAP Quarterly Report for April 1, 2023 to June 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 |
| Middlefield |

DWAF Construction Applications

| |
|-------------------|
| Canal Winchester |
| Coshocton |
| Fayette |
| Kenton |
| Lisbon |
| Nelsonville |
| South Point- PH3 |
| South Point- Well |

Other Funder's Applications

| |
|--|
| Bainbridge - OWDA |
| Blanchester - Army Corps |
| Coshocton - ARC |
| Fayette - OWDA |
| Felicity - ARC |
| Gallipolis - ARC |
| Gallipolis - CDBG |
| Hecla Water Association - ARC |
| Hecla Water Association - ODOD W&WW |
| Lisbon - ARC |
| Lisbon - ODOD W&WW |
| Lowell - ODOD W&WW |
| Morgan- Meigsville RWD- ODOD W&WW |
| Shiloh - ODOD W&WW |
| Spring Valley - OWDA |
| Walnut Creek - ARC |
| Walnut Creek Water Company - ODOD W&WW |
| Wellston - CDBG RPIG |

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

| |
|-------------------------------|
| Attica |
| Bainbridge |
| Blanchester |
| Bloomington |
| Catawba |
| Donnelsville |
| Felicity |
| Florida |
| Grandview Heights |
| Jamestown |
| Jeffersonville |
| Matamoras |
| Republic |
| Sabina |
| Upper Sandusky |
| York Township Water Authority |

c. Readiness to proceed issues

| |
|---|
| Addyston - Funding |
| Amesville - Funding |
| Attica - Completing Data Collection |
| Attica - Funding |
| Bainbridge - Funding |
| Blanchester - Funding |
| Bloomington - Funding |
| Bloomville - Funding |
| Bowerston - Funding |
| Bridgeport - Funding |
| Bridgeport - Project Schedule |
| Buckeye Water District - Obtaining Cost Estimates |
| Canal Winchester - Funding |
| Catawba - Determining Project Alternatives |
| Coal Grove - Funding |
| Danville - Funding |
| Donnelsville - Other |
| Dunkirk - Funding |
| East Canton - Other |
| East Palestine - Funding |
| East Palestine - Gathering Supporting Documentation |

| |
|---|
| Fayette - Funding |
| Felicity - Funding |
| Fletcher - Funding |
| Gallipolis - Funding |
| Grandview Heights - Other |
| Hecla Water Association - Funding |
| Jackson - Funding |
| Jamestown - Funding |
| Jeffersonville - Funding |
| Kenton - Funding |
| Lakemore - Funding |
| Lisbon - Funding |
| Lisbon - Gathering Supporting Documentation |
| Lisbon - Other |
| Lowell - Funding |
| Malvern - Funding |
| Matamoras - Funding |
| Middlefield - Funding |
| Milan - Funding |
| Morgan Meigsville Rural Water District - Funding |
| Mount Sterling - Funding |
| Muskingum County - Funding |
| Nelsonville - Funding |
| Noble County Water Authority - Gathering Supporting Documentation |
| Noble Water Company - Funding |
| Republic - Determining Project Alternatives |
| Ripley - Funding |
| Sabina - Funding |
| Scioto Water, Inc. - Funding |
| Sebring - Funding |
| Shadyside - Gathering Supporting Documentation |
| Shiloh - Project Schedule |
| South Point - Funding |
| Spring Valley - Funding |
| Upper Sandusky - Determining Project Alternatives |
| Walnut Creek Water Company - Funding |
| Washingtonville - Funding |
| Wellston - Funding |
| York Township Water Authority - Determining Project Alternatives |

d. Capacity development

| |
|---|
| Addyston - Capital Improvement Plan |
| Addyston - Utility Planning |
| Bainbridge - Financing Plan |
| Blanchester - Utility Planning |
| Bowerston - Financing Plan |
| Bridgeport - Other |
| Catawba - Rate Study |
| Catawba - Utility Planning |
| Columbiana - Utility Planning |
| Donnelsville - Utility Planning |
| Florida - Capital Improvement Plan |
| Forest - Developing Budgets |
| Freeport Water - Other |
| Grandview Heights - Other |
| Hecla Water Association - Financing Plan |
| Holloway - Financing Plan |
| Holloway - Other |
| La Rue - Utility Planning |
| Little Hocking Water Association - Rate Study |
| Matamoras - Rate Study |
| Matamoras - Utility Planning |
| Mount Sterling - Capital Improvement Plan |
| Mount Sterling - Utility Planning |
| Nelsonville - Utility Planning |
| Noble Water Company - Other |
| Oak Hill - Other |
| Oak Hill - Utility Planning |
| Peyton Community Well - Financing Plan |
| Shadyside - O&M Costs |
| Shiloh - Financing Plan |

2. Report on the “RCAP Team Approach”

Community- Village of Addyston

Capacity development needs- asset management plan; financing for distribution system projects.

Assistance provided- communicated with project team regarding project team meetings and anticipated release date for Ohio EPA Program Management Plan; facilitated project team meeting on 05/09/23; updated the capital improvement plan portion of the asset management plan; communicated with the project team regarding the Draft Ohio EPA Program Management Plan and financing offered to the village; communicated with village regarding future master meter replacement at the treatment plant that will allow data collecting on water loss; facilitated project team meeting on 06/06/2023; discussed water revenue data with village and received water revenue data to use to make water rate recommendations.

Benchmarks accomplished- valve exercising; project nominations; design loan application; asset planning checklist; asset management plan; capital improvement plan.

Effectiveness- the village continues to increase their TMF capacity.

Next steps- RCAP will continue to work on acquiring financing for distribution system projects under regular technical assistance. Intensive technical assistance is complete.

Community- Village of Catawba

Capacity development needs- rate study; financing for repair and replacement projects.

Assistance provided- communicated with project engineer regarding the project that was nominated for Ohio EPA financing; reviewed the nomination form; communicated with Madison County regarding available used water treatment plant equipment; scheduled a site visit at Catawba water plant with project engineer and Madison County; participated in site visit on 04/24/23 at the Catawba water plant; followed up with site visit participants regarding preparation of findings; communicated with Madison County and the project engineer regarding the available used water treatment equipment available that could work in the village's existing water plant; communicated with project engineer regarding the need for a general plan to identify alternatives and costs.

Benchmarks accomplished- site visit; rate study.

Effectiveness- TBD.

Next steps- identify future capital improvements needs to include in rate study; assist project engineer with general plan as needed; assist with acquiring financing.

Community- Village of Donnelsville

Capacity development needs- assistance with Qualifications Based Selection of consulting engineer; project development.

Assistance provided- communicated with village regarding their approval of the engineering services agreement for the general plan; completed and prepared the initial H2Ohio Quarterly Report; facilitated execution and delivery of the engineering agreement and Fund Payment Request form to Ohio EPA and OWDA so that disbursements can be completed once the planning work begins; communicated with project engineer regarding status of the general plan.

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 Freeport

Capacity development needs- water audit; rate study; contingency plan; GIS; resolving NOVs.

Assistance provided- communicated with village to close the project of correcting 23 Notices of Violations including implementing an OEPA recommendation; GIS mapping of the water system; creating a valve exercising plan; creating a hydrant flushing plan; developing SOPs for the WTP; updating the contingency plan; updating parts of the asset management plan; creating and implementing a backflow plan; aiding in bringing the Freeport WTP into compliance with OEPA & USEPA rules; met with village council and provided a rate increase recommendation; followed up with email of the rate recommendation and guidance on next steps.

Benchmarks accomplished- site sampling plan; rate study; backflow ordinance; clearwell repair; hydrant flushing plan; GIS mapping; valve exercising plan; asset management plan; WTP equipment condition and criticality assessment; contingency plan; backflow plan.

Effectiveness- the village has substantially increased their TMF capacity.

Next steps- none, intensive technical assistance is complete.

Community- Village of Holloway

Capacity development needs- resolving NOVs; contingency plan; financing for improvements.

Assistance provided- continued to assist Holloway in trying to get “Plan Approval” for the new greensand-plus in the WTP filters; assisted with the CCR for 2022; followed up regarding financial statements to facilitate better financial pro-forma to help with discussions and decisions regarding possible regionalization.

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.

Community- Village of Mt. Sterling

Capacity development needs- GIS mapping; rate study; asset management plan; financing; training.

Assistance provided- prepared hydrant flushing plan; revised hydrant flushing plan; facilitated project team meeting on 04/13/23; facilitated project team meeting on 04/17/23; prepared LSL survey fliers for village to distribute; communicated with project team regarding potential dates of hydrant flushing and tasks that need to be conducted beforehand; scheduled hydrant flushing dates with village; facilitated project team meeting on 05/03/23; prepared public notice for hydrant flushing; facilitated project team meeting on 05/11/23; completed hydrant flushing; facilitated project team meeting on 05/31/23; facilitated project team meeting on 06/08/23; obtained water production and billing data from the village to calculate water loss.

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.

Effectiveness- the village has substantially increased their TMF capacity.

Next steps- complete water audit; assist village with completing water tank replacement project.

Community- Village of Oak Hill

Capacity development needs- water audit; rate study.

Assistance provided- prepared LSL survey fliers for village to distribute; created form for meter readers to use to begin auditing the billing system; attended board of public affairs meeting to discuss the water audit; facilitated project team meeting on 04/17/23; facilitated project team meeting on 05/23/23; communicated with village regarding problems with the meter/billing relative to the water audit; communicated with village regarding the identification of a few big leaks which accounts for a substantial portion of the water loss.

Benchmarks accomplished- rate study; water audit.

Effectiveness- the village has substantially increased their TMF capacity.

Next steps- RCAP will continue to update water audit as more information is developed by village under regular technical assistance. Intensive technical assistance is complete.

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

During the quarter RCAP completed the last two group virtual trainings of the cohort. Contingency planning, source water protection planning, and financial aspects of asset management were covered. Additional workshop meetings were also held. Asset inventories were completed and financial projections created. Full binders were printed for review with communities. Review of plan components and any remaining gaps were discussed with participating communities. Council presentations were scheduled. Participating communities have been fully trained in AM plan creation and prepped for continued updates. Completed 22-23 cohort during this quarter.

4. Report on classroom and online training provided

| Classroom & Webinar Trainings | | | | |
|-------------------------------|----------|-------------------------------|----------------|-----------|
| Date | Location | Course | # Participants | # Systems |
| 05/02/23 | Webinar | Basics of Pressure Management | 16 | 13 |
| 06/14/23 | Ashland | Field Day | 66 | 49 |
| | | Total | 82 | 62 |

| Self-Paced Online Trainings | | |
|--|----------------|-----------|
| Course | # Participants | # Systems |
| Utility Management for Local Officials | 9 | 4 |
| Financial Management for Local Officials | 7 | 3 |
| Total | 16 | 7 |

| Principal Forgiveness Training | |
|---|-----------------------------------|
| System | PF Training Requirement Met (Y/N) |
| Bowerston | Y |
| Brown County Rural Water Association | Y |
| East Palestine | Y |
| Fairport Harbor | Y |
| Fayette County | Y |
| Hamler | Y |
| Hebron | Y |
| La Rue | Y |
| Lisbon | Y |
| Malvern | Y |
| Muskingum County | Y |
| Nelsonville | Y |
| Piketon | Y |
| Portage County | N |
| Rittman | Y |
| Tri-County Rural Water & Sewer District | Y |
| Trumbull County | N |
| Tuppers Plains/Chester Water District | Y |

Appendix E

OEPA SRF T/TA Program

Effective Dates 3/6/23 – 6/30/23

Final Update as of 7/1/23

Training

In-Person Classes Completed:

Safety First - How to Grow and Support a Culture of Safety (2)

Leak Detection and Line Locating for water and wastewater utilities: history, equipment and theory (3)

Hydrant Remote Pressure and Temperature monitoring and PFAS Training (1)

Lab Basics (1)

Ohio EPA Inventory Updates (1)

Inventory Data Management Tools (1)

A Review of LSL Identification (1)

Demystify Predictive Modeling (1)

One Year In - Lessons Learned During the First 353 Days of CWDs LSLR Program (1)

Emerging contaminants (2)

Web-Based Completed:

Best Practices and Insights for Optimizing Your Water Process (1)

5 Things You Didn't Know About Protecting Your Utility from Cyber Attacks (1)

Disinfection A to Z (1)

Water Distribution Review (1)

Defending Against Cyber Threats (1)

Technical Assistance

Work Conducted on Water Rate Studies: (In various stages of development)

- College Corner
- Mingo Junction
- Kettlersville
- South Amherst

Provided Compliance Assistance

Provided on-site Certification Exam Review assistance

Development of Content & PowerPoints for New Operator Training

Refined and Improved Rate Studies, New Operator Training, and Certification Exam Review Materials (ABC)

Program Expenses

Month 1 (February 23') = \$4,739.28

Month 2 (March 23') = \$5,646.23

Month 3 (April 23') = \$13,072.38

Month 4 (May 23') = \$10,796.72

Month 5 (June 23') = \$16,098.62

Total Program Expenses = \$50,353.23

Appendix F - Principal Forgiveness by Grant Program

| Name | Project Name | PF Amount | Project User Population | Grant Program |
|-----------------|--|-------------------------|-------------------------|-------------------|
| Addyston | Sekitan Avenue Water Main and LSL Replacement | \$ 22,057.00 | 884 | Lead Service Line |
| Akron | Lead Service Line Replacement Program 2022 | \$ 2,385,000 | 300,000 | Lead Service Line |
| Cincinnati | Bevis Bonaparte Clarion Water Main Replacement | \$ 187,091.03 | 302,687 | Lead Service Line |
| Cincinnati | Dayton Horace Naeher Water Main Replacement | \$ 323,565.08 | 302,687 | Lead Service Line |
| Cincinnati | East Price Hill Water Main Replacement | \$ 250,425.07 | 302,687 | Lead Service Line |
| Cincinnati | Lisbon Avenue Waterline Replacement | \$ 1,590.00 | 301,394 | Lead Service Line |
| Cincinnati | Symmes Fowler Water Main Replacement | \$ 187,620.00 | 302,687 | Lead Service Line |
| Cincinnati | West Price Hill Water Main Replacement | \$ 135,150.00 | 302,687 | Lead Service Line |
| Cleveland | CWD 2022 LSLR Supplies | \$ 1,193,681.27 | 1,308,955 | Lead Service Line |
| Cleveland | CWD 2022 LSLRs on WMRs | \$ 981,772.00 | 1,308,955 | Lead Service Line |
| Cleveland | CWD LSLR 2022-1 | \$ 1,637,957.37 | 1,308,955 | Lead Service Line |
| Cleveland | CWD LSLR 2022-2 | \$ 1,716,794.87 | 1,308,955 | Lead Service Line |
| Cleveland | CWD LSLR 2022-3 | \$ 1,841,556.87 | 1,308,955 | Lead Service Line |
| Cleveland | CWD LSLR 2022-4 | \$ 1,968,417.67 | 1,308,955 | Lead Service Line |
| Cleveland | CWD LSLR 2022-5 | \$ 2,117,341.02 | 1,308,955 | Lead Service Line |
| Cleveland | CWD LSLR 2022-6 | \$ 2,005,843.62 | 1,308,955 | Lead Service Line |
| Dayton | Lead Service Line Compliance | \$ 250,000.00 | 140,407 | Lead Service Line |
| Dunkirk | Lead Service Line and Water Line Replacement | \$ 89,834.00 | 875 | Lead Service Line |
| Kenton | Scott Avenue Waterline and LSL Replacement | \$ 50,852.49 | 8,382 | Lead Service Line |
| North Baltimore | Watermain Replacement Project | \$ 24,168.00 | 3,432 | Lead Service Line |
| Scio | 2023 Waterline and LSL | \$ 79,000.00 | 718 | Lead Service Line |
| Springfield | 2023 LSL Water Service Repl - Fountain Ave. | \$ 972,295.92 | 59,132 | Lead Service Line |
| Springfield | 2023 Waterline Replacement with LSL | \$ 532,944.81 | 59,132 | Lead Service Line |
| Willard | Park Street Waterline Replacement | \$ 163,247.95 | 9,979 | Lead Service Line |
| Total | 24 | \$ 19,118,206.04 | 12,869,410 | |

| Name | Project Name | PF Amount | Project User Population | Grant Program |
|--------------|---|-------------------------|-------------------------|-----------------------|
| Cincinnati | Enhanced PFAS Treatment Bolton Plant | \$ 495,000.00 | 302,687 | Emerging Contaminants |
| Dayton | Expansion of Miami Well Field Recharge Lagoon | \$ 1,138,452.00 | 140,444 | Emerging Contaminants |
| Dayton | Raw WL at Intersection of Needmore and Wagner Ford Road | \$ 91,300.00 | 140,407 | Emerging Contaminants |
| Marietta | WTP Replacement | \$ 10,100,000.00 | 13,954 | Emerging Contaminants |
| Wilmington | PFAS Planning Study | \$ 1,042,609.00 | 12,402 | Emerging Contaminants |
| Total | 5 | \$ 12,867,361.00 | 609,894 | |

| Name | Project Name | PF Amount | Project User Population | Grant Program |
|---|--|------------------------|-------------------------|-------------------|
| Coshocton | Warsaw Waterline Replacement | \$ 333,500.00 | 783 | Base/Supplemental |
| Fayette County | Lakewood Hills Area Water System Project | \$ 651,152.25 | 200 | Base/Supplemental |
| Hamler | Water Tower and Distribution System Improvements | \$ 884,039.00 | 627 | Base/Supplemental |
| Licking County | Eagle Wings Water Line Extension | \$ 166,909.70 | 130 | Base/Supplemental |
| Malvern | Phase 1 Water Line Replacement | \$ 367,178.00 | 1,343 | Base/Supplemental |
| Nelsonville | Water System Improvements Phase 2 | \$ 2,759,300.00 | 5,816 | Base/Supplemental |
| Portage County | Mantua Water Distribution Replacement | \$ 150,000.00 | 1,150 | Base/Supplemental |
| Tri-County Rural Water & Sewer District | Phase 6 Waterline Extension | \$ 1,656,852.24 | 3,225 | Base/Supplemental |
| Total | 9 | \$ 7,162,256.19 | 13,994 | |

| Name | Project Name | PF Amount | Project User Population | Grant Program |
|---------|---|---------------|-------------------------|---------------|
| Delphos | Skinner Street Lead Waterline Replacement | \$ 114,465.00 | 7,123 | WIFTA |
| Delphos | South Main Street Water Service Replacement | \$ 394,691.98 | 7,123 | WIFTA |

| | | | | |
|--------------|---|------------------------|----------------|-------|
| Greenville | Lead Service Line Replacement - Phase 1 | \$ 114,000.00 | 13,327 | WIFTA |
| Hillsboro | N. West Street Water System Improvements | \$ 265,650.00 | 6,527 | WIFTA |
| Lorain | Lead Service Line Replacement Project Phase 1 | \$ 1,040,750.00 | 69,000 | WIFTA |
| Malvern | Phase 1 Water Line Replacement | \$ 37,008.00 | 1,343 | WIFTA |
| Rittman | Sterling Avenue Lead Service Line Replacement | \$ 168,550.00 | 6,503 | WIFTA |
| Scio | Waterline and Household Line Replacement | \$ 189,900.63 | 730 | WIFTA |
| Toledo | Lead Service Line Replacement | \$ 410,000.00 | 1,816 | WIFTA |
| Warsaw | Lead Service Line Replacement | \$ 51,964.86 | 782 | WIFTA |
| Total | 11 | \$ 3,786,980.47 | 118,371 | |