



State of Arkansas



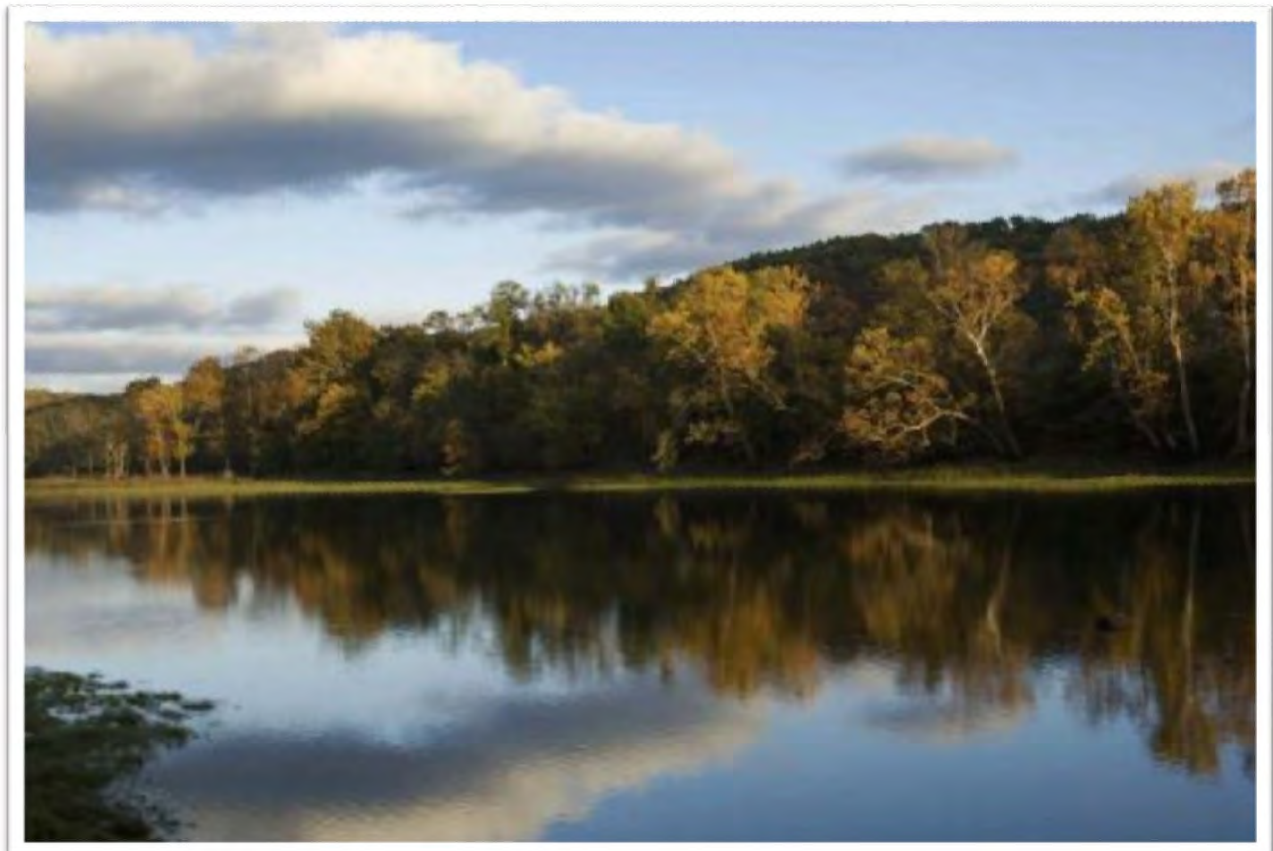
NATURAL RESOURCES
DIVISION

Arkansas Natural Resources Commission And Arkansas Department of Health



Safe Drinking Water Fund and State Revolving Loan Fund Program SFY 2022 Annual Report (July 1, 2021 – June 30, 2022)

*Submitted to EPA November 10, 2022
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I. Introduction

The State of Arkansas hereby submits its Annual Report for the Drinking Water State Revolving Loan Fund (DWSRF) Program for State Fiscal Year (SFY) 2022, July 1, 2021, through June 30, 2022. This report addresses the operation of the DWSRF, describes the progress made toward the long and short-term program goals, and details the activities undertaken to reach the goals and objectives outlined in the 2022 Intended Use Plan (IUP).

The State of Arkansas, through Act 772 of 1997, established the Safe Drinking Water Loan Fund (SDWF/DWSRF), to be administered by Arkansas Natural Resources Commission (ANRC). In April 1996, ANRC Title XV established the rules governing the SDWF.

Responsibilities for the DWSRF program are divided among the Arkansas Natural Resources Commission (ANRC), Arkansas Department of Agriculture's Natural Resources Division (NRD), the Arkansas Department of Health/Division of Engineering (ADH), and the Arkansas Development Finance Authority (ADFA). Under the Interagency Memorandum of Understanding between ANRC and ADH, ANRC administers the loan fund and the administrative set-aside portion of the DWSRF. ADH, as primacy agent for the State's Public Water System Supervision Program (PWSS), has oversight of DWSRF, develops the comprehensive project priority list, and administers the remaining set-aside portions of the DWSRF. Fiscal responsibilities for the Program reside with the Arkansas Development Finance Authority.

Arkansas submitted its SFY 2022 IUP to the Environmental Protection Agency (EPA) in August 2021. EPA approved the Intended Use Plan on October 20, 2022.

The Intended Use Plan for SFY 2022 includes ANRC's short-term and long-term goals that meet the four basic goals for the program. Those goals are:

Goal 1 - to ensure public health protection

Goal 2 - to comply with the Safe Drinking Water Act

Goal 3 – to ensure affordable drinking water

Goal 4 – to maintain the long-term financial health of the SDWF



II. List of Abbreviations

ADFA	Arkansas Development Finance Authority
ADH	Arkansas Department of Health/Division of Engineering
ANRC	Arkansas Natural Resources Commission
DWSRF	Drinking Water State Revolving Loan Fund - also knowns as SDWF
EPA	Environmental Protection Agency
IUP	Intended Use Plan (for the SRF federal capitalization grant)
PWSSP	Public Water System Supervision Program (State)
SDWF	Safe Drinking Water Fund - also known as DWSRF
SFY	State Fiscal Year (from July 1-June 30 of each year)
SRF	State Revolving Fund
SSAF	State Set-Aside Fund
SWAP	Source Water Assessment Program (State)
USGS	United States Geological Survey
WWAC	Water-Wastewater Advisory Committee

III. Projects and Available Assistance

The DWSRF program expected to disburse approximately \$30 million to projects in SFY 2022. During SFY 2022, the program disbursed \$40.5 million to projects. In addition, set aside expenditures were estimated at approximately \$4.3 million (this includes the administration set aside) to assist communities as well as provide administration funding for both the Water Development Division and the ADH. A total of \$3.7 million was expended in SFY 2022 for set-asides, including the administration set-aside ([Chart 4](#)).

ANRC expended \$436,931.84 in federal funds to administer the program. Detailed information pertaining to set-aside expenditures managed by ADH can be found in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

IV. GOALS

The Arkansas Drinking Water Program is an integrated and centralized program funded by the Drinking Water State Revolving Fund, Public Water System Supervision and state funding. The primary focus of the program is to achieve public health protection and rule compliance. All mandatory and voluntary program elements, (i.e., technical assistance, capacity development, source protection, rule implementation, enforcement, etc.) are coordinated to assure this end.

A. PROGRESS TOWARD SHORT-TERM GOALS

1. Arkansas anticipated 19 binding commitments for a total of \$35.8 million.

Of the 19 projects listed on the 2022 IUP fundable list 15 projects had loan closings, Total binding commitments for SFY22 totaled \$16,599,984.89 ([Chart 2](#)).

The projects that failed to have a loan closing prior to June 30, 2022, were unsuccessful in meeting required milestones, which prevented their ability to proceed to loan closing.

2. Arkansas anticipated five binding commitments for four projects that would include components that meet green project reserve requirements.

Arkansas signed two binding commitments for two projects that included green eligible components during SFY 2022 ([Chart 2](#)). ANRC disbursed \$2.7 million for Green Project Reserve in State Fiscal year 2022.

The projects that failed to have a loan closing prior to June 30, 2022, were unsuccessful in meeting required milestones, which prevented their ability to proceed to loan closing.

- 3. Arkansas anticipated nine projects will meet the add sub requirements and up to six of those projects will receive Disadvantaged Funds in the form of principal forgiveness.**

Arkansas signed five binding commitments for eligible principal forgiveness projects including two eligible for disadvantaged funds as principal forgiveness ([Chart 2](#)). ANRC disbursed \$1.2 million for principal forgiveness in State Fiscal year 2022.

The projects that failed to have a loan closing prior to June 30, 2022, were unsuccessful in meeting required milestones, which prevented their ability to proceed to loan closing.

- 4. Complete set-aside work plans specifying funds from the capitalization grant. (Target Completion: Within 60 days of grant award)**

The 2021 Capitalization Grant was awarded on September 1, 2021. ADH submitted the work plan set asides (excluding administration) to EPA Region 6 in August 2021.

- 5. Arkansas ADH will continue to utilize the State Program Management set-aside to a portion of the implementation of the State Public Water Supply Supervision Program plan effort. This will include activities in this fiscal year such as: review and approval of 200 (goal) plans and specifications; logging and tracking of 1,400 (goal) plan submissions; 250 (goal) sanitary surveys; technical assistance to Public Water System Supervision in a variety of ways; and other implementation activities.**

Progress toward achieving this goal is detailed in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

- 6. Arkansas will continue to screen projects using the Project Priority System to assure the Safe Drinking Water Acts overall goals are given priority in the DWSRF program. The Goal for this fiscal year is to have at least 30 projects on the Project Priority List.**

For SFY 22 there are 139 projects on the Project Priority List.

- 7. The Division will apply for the federal cap grant funds in the first year that they are appropriated.**

Arkansas applied for the FFY 2021 Cap grant within the first year and it was awarded on August 21, 2021. Furthermore, the FFY 2022 Cap grant application was submitted within the first year and was awarded on September 30, 2022.

- 8. Arkansas will continue to implement the State capacity development program strategy at no cost to entities. A vital element of this program is the technical assistance contracts provided under the Small System Technical Assistance and/or Local Assistance Set-aside. These were restructured slightly to focus more on direct assistance to the systems. SFY 2022 goals for these contracts are 1,900 hours of technical assistance with an additional 1,000 of technical assistance coming from our AWOP activities.**

Progress toward achieving this goal is detailed in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

- 9. Arkansas plans to increase public knowledge of the Drinking Water Revolving Loan Fund through Facebook posts about program success stories and participation in conferences relevant to eligible projects and promotion through the utilization of marketing material available from EPA. Additionally, Arkansas will seek opportunities and provide incentives to promote the Drinking Water Revolving Loan Fund.**

NRD staff attended, presented, or staffed a booth at the following:

- Arkansas County Judges: winter conference
- Arkansas Municipal League winter conference
- Arkansas Rural Development Summit
- AWW & WEA Conference
- AR Municipal League - Annual meeting
- Arkansas County Judges: summer conference
- Infrastructure Funds Stakeholders Meeting

During the SFY 2022, NRD engaged in several SRF marketing opportunities such as water and wastewater conferences, association meetings, conventions, summits, and conferences. These events allowed direct and personal presentations enabling the agency to showcase the SRF program with the borrowing sector. These various summits and association conferences allowed ANRC to strategically interact with potential borrowers including engineering firms, city officials, and utility decision-makers.

Additional marketing strategy has included making personal visits to municipalities and utilities as well as telecommunications to prospective clients informing them the SRF program is a well-established and economical funding vehicle to utilize, resulting in cost savings for their customers.

- 10. Arkansas plans to reach out to municipalities on the compliance list, available through Enforcement and Compliance History Online (ECHO), to offer information not only on funding opportunities, but assistance with the application process. The intention of application process assistance is to reduce challenges and provide positive applicant response**

Unfortunately, NRD was unable to meet this goal due to staff turnover and the impacts of COVID-19. The new SRF Program Outreach Coordinator resigned. The position has been filled, the new staff will start on November 14, 2022.

B. PROGRESS TOWARD LONG-TERM GOALS

Through their affiliation with the Water/Wastewater Advisory Committee (WWAC), NRD and the Arkansas Department of Health (ADH) continue to work together to address Safe Drinking Water Act compliance issues. The WWAC is composed of representatives from four state agencies and United States Department of Agriculture-Rural Development. It was established by the Governor to coordinate state and federal funding, provide technical feasibility, and preliminary regulatory reviews. WWAC members work together in coordinating funding and extending water quality standards and compliance. This Committee also provides a forum to communicate the availability of Revolving Loan Funding to cities and communities.

1. Maintain the fiscal integrity of the DWSRF and assure a continuous enhancement of the loan fund for future generations.

The Drinking Water State Revolving Fund is managed on a day-to-day basis to assure that funds are available to make qualified loans. The Program undergoes an annual audit by independent auditors to further assure its integrity.

The two terms that the Division modifies when it makes loans to entities are the Lending Rate and the Repayment Period.

The State has other funding options to assist communities unable to meet Drinking Water State Revolving Fund loan requirements when necessary. Each prospective project undergoes a financial analysis to determine financial capability before a loan is granted.

2. Maintain the fund in perpetuity by protecting the principal that has been and continues to be deposited into the DWSRF program.

As required by EPA regulations to ensure perpetuity, principal repayments and interest are deposited into the Fund. The perpetuity of the program is represented in [Appendix B](#).

The 1% financing fee is deposited outside the Fund to cover additional expenses. ANRC realizes these funds are restricted by the Drinking Water regulations and the agency does and will continue to use these funds in compliance with those regulations.

3. Provide entities with a source of long-term, low-interest financing that will allow them to protect their customers' health and comply with the Safe Drinking Water Act.

Through ANRC's affiliation with the Water/Wastewater Advisory Committee (WWAC), the Division and ADH work together to address Safe Drinking Water Act compliance issues. The WWAC is composed of representatives from four state agencies and United States Department Agriculture-Rural Development and was established by the Governor of the State to coordinate state and federal funding, provide technical feasibility, and preliminary regulatory reviews. WWAC members work together coordinating funding and extending water quality standards and compliance. It also provides a forum to communicate the availability of RLF funding to cities and communities.

The servicing fee is currently set at 1.0%. The interest rate is the difference between the Lending Rate and the servicing fee. The servicing fee is the same for all projects, so the interest rate changes as the Lending Rate changes. Due to the falling interest rates, ANRC adjusted the rates on August 30, 2019 (see [Lending Rates](#))

- 4. The Division will meet the growing demand for the DWSRF program by leveraging the Fund when the demand exceeds the current revenue streams.**

The Division did not leverage the program in SFY 2022. Instead, the focus was on marketing the program to increase fund utilization.

- 5. Arkansas will continue to implement the Public Water System Supervision Program in conformance with its Primacy commitments.**

Progress toward these goals is described in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

- 6. Arkansas will continue to implement the State Source Water Assessment/Protection Program**

Progress toward these goals is described in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

- 7. Arkansas will continue to implement the State Capacity Development Program Strategy.**

Progress toward these goals is described in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

- 8. The Division will maximize the number of entities meeting the SDWA requirements by combining the DWSRF program with other state and federal funding programs when feasible**

Arkansas continues to combine the Drinking Water State Revolving Fund program with other State and Federal funding programs when beneficial. Through WWAC meetings, the Division and the ADH continue to work towards funding eligible projects. WWAC members work together in coordinating funding and extending water quality standards and compliance. This Committee also provides a forum to communicate the availability of Revolving Loan Funding to cities and communities.

- 9. Arkansas will make every effort to expend funds within two years of cap grant award, continuing to expend all funds in an expeditious and timely manner.**

Currently, NRD has 2019, 2020, and 2021 Cap Grants with unexpended federal funds. The 2019 Cap Grant was awarded on September 11, 2019, the 2020 Cap Grant was awarded on September 4, 2020, and the 2021 Cap Grant was awarded on September 1, 2020. The agency is working to expend the remaining funds as soon as possible. However, this is contingent upon the projects with principal forgiveness proceeding as expected and meeting project milestones.

C. PROGRESS TOWARD ENVIRONMENTAL RESULT GOALS

Output 1 – Provide nineteen (19) binding commitments to water systems.

Of the 19 projects listed on the 2022 IUP fundable list, 15 loans were closed during SFY 2022. The four projects that failed to have a loan closing prior to June 30, 2022, were unsuccessful in meeting required milestones before signing a bond purchase agreement and subsequent loan closing.

Output 2 – Enter into binding commitments with eleven (11) small systems and two (2) large systems during this fiscal year.

Of the 19 projects listed on the 2022 IUP fundable list, 15 loans were closed during SFY 2022. Of the 15 closed, three (3) were to large systems and twelve (12) were to small systems

Output 3 – Arkansas Department of Health also contracts to work with small systems. Goals for these contracts include one eight-hour training course, 12 one-hour group training sessions and one CPE.

Progress toward output 3 is described in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

V. Sources and Uses of Funds

A. SOURCES OF DRINKING WATER STATE REVOLVING FUNDING

1. Capitalization Grants

EPA has awarded Arkansas a total of \$319,622,300 in federal capitalization grants through the 2021 cap grant.

2. State Match

Total State Match required through SFY 2022 (2021 Cap Grant) totaled \$62,340,660, of which \$3,310,200 in state match, for the 2021 Cap Grant, was deposited during SFY2022 ([Chart 5](#)).

3. Leveraging of the Drinking Water State Revolving Fund

The Drinking Water State Revolving Fund was leveraged for the first time in November 2011. Arkansas leverages periodically to increase the funds available for assistance. Arkansas did not leverage the Drinking Water program in SFY 2022.

4. Cash Draw Ratio Proportionality

Arkansas disburses 100% State Match prior to requesting federal funds. Once the State Match is fully disbursed, then Arkansas will draw 100 % federal funds. This is because Arkansas is prohibited from disbursing State Match in any of the forms used for Additional Subsidization. As long as federal funds are required to be spent on Additional Subsidization, Arkansas will continue with this cash draw policy.

5. Principal Loan Repayments & Interest Earnings

Drinking Water State Revolving Fund received a total of \$21,197,658 in principal loan repayments, \$2,430,296.00 in interest on outstanding loans; and \$159,452 in interest earnings on investments.

6. Lending Rates

ANRC reviews the rates annually, reviewing market interest rate trends to determine if RLF lending rates should be adjusted. The servicing fee is currently set at 1.0%; the interest rate is the difference between the Lending Rate and the servicing fee. The servicing fee is the same for all projects, so the interest rate changes as the Lending Rate changes. Due to the falling interest rates, on August 30, 2019, ANRC set the lending rates as follows:

- 1.00% for a 10 year repayment period (0% interest, 1% fee)
- 1.75% for a 20 year repayment period (0.75% interest, 1% fee)
- 2.25% for a 30 year repayment period. (1.25% interest, 1% fee)

Arkansas varies the Lending Rate in this manner to encourage repayment of the loans as quickly as possible to make funds available in the program to fund additional projects. The 1% service fee is placed into an account which is outside the Drinking Water State Revolving Fund ([Administrative Fee Account](#).)

B. USES OF DRINKING WATER STATE REVOLVING FUNDS

ANRC used Drinking Water State Revolving Funds to make loan disbursements of \$40,546,060.17 to water projects under construction. Of this amount, Federal funds of \$10,713,572.12 and State funds of \$3,310,205 were disbursed to loan recipients.

1. Loan Assistance Status

In this reporting period, the Arkansas Natural Resources Commission closed 14 loans; see [Chart 2](#) for additional details.

2. Binding Commitments

During the year binding commitments totaled \$16,599,984.89, with de-obligations totaling \$53,724.91 for a net increase in binding commitments of \$ \$16,546,259.98, which increased the adjusted cumulative total to \$432,164,431.44. The percentage of actual binding commitments to required binding commitments decreased compared to SFY 2021, at 161% ([Chart 3](#)) by the end of the fiscal year. The Division has defined the Binding Commitment as the date the Bond Purchase Agreement (BPA) is signed by all parties.

3. Projects Bypassed

Entities listed ahead of the projects funded in SFY 2022 were ineligible due to an inability to repay, elected a different loan source, or were not ready to proceed. ANRC has sufficient funds available; therefore, a project that was bypassed ([Chart 7](#)) may return and receive funding in the future.

4. Small Systems

Under Section 1452(a)(2) of the 1996 Amendments to the Safe Drinking Water Act (SDWA), 15% of state loan funds are to be available for loans to small water systems (population less than 10,000).

In SFY 2022, 14 agreements for 12 projects qualify as a small system and 2 for large systems. The cumulative amount of loans to small systems totals \$9,459,031.89, which is 50% of total binding commitments for SFY2022 ([Chart 2](#)).

5. Disadvantaged Community Systems

The State's Drinking Water State Revolving Fund program for disadvantaged communities now provides additional subsidies for loans and has a provision to offer an extended term from 20 to 30 years. Two (2) of the fourteen (14) loans closed qualified as disadvantaged. The cumulative amount of loans to disadvantaged systems totals \$149,480,408.00 which is 35% of total binding commitments. ([Chart 2](#))

6. Set-Aside Activity

The set-aside categories are managed by the Arkansas Natural Resources Commission and the Arkansas Department of Health. The set-aside for administration is managed by the ANRC, and the remaining set-asides are managed by the ADH for implementing the State Public Water System Supervision Program.

A total of \$436,931.84 in annual expenses were funded from Drinking Water State Revolving Fund set-a-side administration during SFY 2022 ([Chart 4](#)). In addition, ADH expended \$3,159,414.59 in federal funds for program administration and other set-aside expenditures for the fiscal year ([Chart 4](#)). Total set aside federal expenditures for SFY 2022 totaled 3.6million.

The annual report of the Arkansas Department of Health presents progress and expenditures for set-asides covering state program management, technical assistance, and local assistance/other state programs ([Appendix C](#)).

C. ADMINISTRATIVE FEE ACCOUNT

Any fees charged by Arkansas to recipients of assistance that are considered program income will be used for the purpose of financing the cost of administering the fund, financing projects or activities eligible for assistance from the fund or providing state match for capitalization grants.

Arkansas deposits these fees into an account that is held outside the DWSRF. On June 30, 2022, available funding in this account totaled just over \$8.4 million.

D. FINANCIAL SUMMARY

The overall financial position and operation results of the Drinking Water State Revolving Fund continue to improve as indicated in the financial data in [Appendix B](#).

The accounting firm of Frost, PLLC Certified Public Accountants is conducting an independent audit of the Drinking Water State Revolving Fund for SFY 2022. GASB Statement No. 34 with its amendments, commonly referred to as the new reporting model, was implemented for year end June 30, 2002. Supplementary information, Management's Discussion and Analysis will be included in the report. An electronic copy of the audit will be provided to EPA when it becomes available.

1. Status of Loans

As of June 30, 2022, the Drinking Water State Revolving Fund has funded a total of \$438,681,879 in binding commitments ([Chart 3](#)). Loans receivable, which constitute the major portion of Drinking Water State Revolving Fund assets, had an ending balance of \$303,655,021 ([Appendix B-1](#)).

2. Loan Disbursements

Arkansas disbursed a total of \$40,546,060.17 during this reporting period. Of the total disbursed, federal funds of \$10,713,572.12 were disbursed.

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3. Annual Repayment/Aging of Accounts

Approximately \$21.2 million in principle was repaid in SFY 2022. ANRC had eleven loan delinquencies in SFY 2022.

Entity	Delinquent Amount	Due Date
East Prairie	65,200.77	Apr 2019 – Jun 2022
Thornton	262,755.25	Apr 2019 – Jun 2022
Helena West (on payment plan, became current Oct 2022)	17,689.90	Nov2019 - April 2020
Dermott	211,667.43	Oct-2021 – Jun 2022
Emerson	2,971.43	Jun-22
Bauxite – payment received in SFY 2023	1,053.29	Jun-22
Mount Ida – payment received in SFY 2023	8,553.30	Jun-22
Wright Pastoria	1,050.92	Jun-22
Wright Pastoria #2	7,298.16	Jun-22
Village Water – payment received in SFY 2023	313.56	Apr-22
Rosston – Payment received in SFY 2023	2,348.32	Jun-22
Nashville #3 – payment received in SFY 2023	1,897.21	Apr-22
Total	\$25,486.19	

4. Loan Portfolio Analysis

Arkansas conducts an annual review of its loan portfolio. Loans that are potentially weak are identified and tracked closely to ensure that conditions are not deteriorating. The assessment process measures the level of funding given to systems by credit quality category as measured by bond rating. Currently our loan portfolio is rated AAA.

5. Investments

During the year, investments were made by the Arkansas Development Finance Authority and consisted of excess account balances invested in governmental funds.

6. Environmental Results

In accordance with “EPA’s Environmental Results under EPA Assistance Agreements, Order No. 5700.7,” which became effective on January 1, 2005, ADH describes the outcome of the output goals in [Appendix C](#).

7. Transfer

In the SFY 2021 Arkansas Intended Use Plan, Arkansas reserved the authority to transfer up to 33% of the Drinking Water State Revolving Fund capitalization grant to the Clean Water State Revolving Fund allotment. These funds would have been transferred from Drinking Water construction to Clean Water construction and would not affect the total amount available for set-asides. Arkansas did not transfer funds during SFY 2022.

E. COMPLIANCE WITH OPERATING AGREEMENT AND GRANT CONDITIONS

Arkansas revised its Operating Agreement for the Drinking Water State Revolving Fund and submitted it to EPA on October 13, 2010. Arkansas has met and continues to be in compliance with the following conditions as described in the grant conditions:

- Establish state instrumentality and authority.
- Comply with applicable state laws and procedures.
- Review technical, financial, and managerial capacity of assistance recipients.
- Establish Drinking Water State Revolving Fund loan account, set-aside account, and administration account.
- Deposit all funds in appropriate accounts.
- Follow state accounting and auditing procedures.
- Require that Drinking Water State Revolving Fund loan recipient accounting and auditing procedures be in accordance with generally accepted accounting principles and OMB Super Circular (formerly Circular A-133).
- Submit Intended Use Plan and use all funds in accordance with the plan.
- Comply with enforceable requirements of the Act.
- Establish capacity development authority.
- Implement/maintain system to minimize risk of waste, fraud, abuse, and corrective action.
- Develop and submit project priority ranking system.

1. Federal Payment Schedule

Payments have been received from EPA's payment system in accordance with the payment schedule included in the grant awards ([Chart 3](#)).

2. Deposit State Matching Funds

Arkansas provided state match in the amount of \$3,310,161 in SFY 2022 ([Chart 5](#))

3. Submit Biennial Report and Annual Audit

Arkansas chose to submit an annual report to the Environmental Protection Agency rather than a biennial report. This report is submitted to satisfy this condition.

The SFY 2022 annual audit conducted by Frost, PLLC, is in progress. A copy of the audit will be provided to EPA when it becomes available.

4. Assure Borrowers Have a Dedicated Source of Repayment

The Natural Resources Division staff conducts a credit review evaluation for all State Revolving Fund loan applicants. This evaluation determines whether an applicant has the ability to repay a loan. For all applicants, the expected revenue stream from user fees must be sufficient to repay the loan, pay operation and maintenance costs, and pay for other necessary expenses.

5. Use Funds in Timely and Expeditious Manner

Arkansas has binding commitments for 100% of all available loan funds through the FY 2021 capitalization grant (FS986001-24). Public water systems with binding commitments are moving in an expeditious and timely manner to start construction. NRD monitors construction progress through bimonthly staff project review and monthly on-site inspections to ensure that operations are initiated according to schedule and funds are drawn in a timely and expeditious manner.

6. Ensure Recipient Compliance with Applicable Federal Cross-Cutting Authorities

Arkansas and all its assistance recipients have complied with all applicable federal cross-cutting authorities. The State applied the Good Faith Efforts in an attempt to achieve the negotiated fair share objectives.

7. Fair Share Objectives (MBE – DBE)

The State applied the six affirmative steps described in 40 CFR, Section 33.301, in an effort to achieve the negotiated fair share objective.

Documentation to support the good faith efforts are closely reviewed by the Division DBE Coordinator. All construction projects bid packages as well as procurement of professional services, supplies and equipment purchases are closely monitored to determine if the affirmative steps were followed. These documents are maintained in the NRD's project engineer's or administrator's files. All required reports were submitted to EPA offices on or before the due date:

Reporting period October 1, 2021 to September 30, 2022:

Total Procurements & MBE/WBE Accomplishments This Reporting Period (in dollars)			
	Construction	Non-Construction	Total
Total Procurement:	\$ 8,794,305.00	\$ 1,636,500.00	\$ 10,430,805.00
MBE/WBE Combined Procurement: \$	\$ 940,879.00	\$ -	\$ 940,879.00

8. Conduct Environmental Reviews

The public water system projects receiving assistance during SFY 2022 were reviewed and approved using the state's environmental review procedures. [Chart 2](#) shows the environmental reviews that were conducted and the results of each review.

9. FFATA Reporting

Reporting Subawards and Executive Compensation under Federal Funding Accountability and Transparency Act (FFATA) set forth in the General Condition pass-through entity's agreement with EPA entitled "Reporting Subawards and Executive Compensation."

Due to staff turnover, quarterly reporting was not completed timely, however due to the new UEI requirement, some of the borrowers did not obtain one, therefore we are unable to report on those borrowers.

98600124 - 2021 Cap Grant (09/01/2021) - Less in-kind of \$0.00							
\$16,551,000.00		Loan #	Bond Agreement Date	Report Month	Date Submitted on FSRS	DUNS #	UEI #
Reed (F)	\$ 926,421.00	01273-DWSRF-F	10/04/21	Nov-21	12/28/2021	170108039	CD87JTKVXZ15
Village Water Association	\$ 281,528.00	01304-DWSRF-L	10/05/21	Nov-21	12/28/2021	120133769	
Village Water Association	\$ 120,655.00	01305-DWSRF-F	10/05/21	Nov-21	12/28/2021	120133769	
Hwy 4 & 24 Water Associ	\$ 339,418.00	01330-DWSRF-F	11/17/21	Dec-21	12/28/2021	878375604	
CAW Jack Wilson	\$4,000,000.00	1380-DWSRF-L	06/29/22	Jun-22	11/08/2022		LCHSRH6F3MP7
East-End (L)	\$ 2,650,000.00	1328-DWSRF-L	07/29/21	Jul-21	11/08/2022		MSX1LM6L1T28
Fifty-Six (F)	\$ 2,247,127.00	1301-DWSRF-F	08/31/21	Aug-21	11/08/2022		MSX1LM6L1T28
caw wye mountain	\$ 1,383,953.00	1358-DWSRFOL	10/29/21	Oct-21	11/08/2022		LCHSRH6F3MP7
CAW Ridgefield	\$ 1,757,000.00	1357-DWSRF-L	05/27/22	May-22	11/08/2022		LCHSRH6F3MP7
Mena-Iron Forks (L)	\$ 530,000.00	1346-DWSRF-I	04/26/22	Apr-22	11/08/2022		DBNEKR9XUVG6
Mitchellville (F)	\$ 368,490.00	1277-DWSRF-F	07/02/21	Jul-21	11/08/2022	028510423	KLR8E1GP8QX4
Mitchellville (L)	\$ 97,830.00	1278-DWSRF-L	07/02/21	Jul-21	11/08/2022	028510423	KLR8E1GP8QX4
Total Submitted:	\$14,702,422.00	\$ 14,702,422.00	(1,848,578.00)	Amount Over/(Under) Reported			

VI. Appendix A – Program Charts

Chart 1 – Sources and Uses

Sources and Uses		
SOURCES OF FUNDS		
Beginning Balance (06/30/2021)	\$	77,487,444.57
<i>State Fiscal Year 2022</i>		
2018 Federal Cap Grant Balance (Construction & Set Asides)		-
2019 Federal Cap Grant Balance (Construction)		4,750,463.96
2020 Federal Cap Grant Balance (Construction)		12,258,840.00
2021 Federal Cap Grant Balance (Construction)		12,247,740.00
2021 Federal Cap Grant - State Match		3,310,200.00
Principal Repayments		2,117,658.00
Interest on Investments		159,452.00
Interest on Loans		2,430,296.00
Sub Total	\$	37,274,649.96
Total Sources of Funds	\$	114,762,094.53
USES OF FUNDS		
<i>DWSRF Loan Commitments for SFY 2022</i>		
Construction Disbursements	\$	40,546,060.17
ANRC Approved Loans (not closed)		23,746,865.00
ANRC Approved Loans (closed, undisbursed funds)		19,603,875.93
Sub Total	\$	83,896,801.10
<i>DWSRF Set-Aside Programs for SFY 2022</i>		
Administration		436,931.84
Administration - EPA In Kind		-
Small System Technical Assistance		-
State Program Management		1,016,349.45
Wellhead		551,301.55
Capacity Development Program (CD)		1,669,922.83
Sub Total	\$	3,674,505.67
<i>Debt Service Obligations SFY 2022</i>		
Leveraged Bond Principal		-
Leveraged Bond Interest		-
Sub Total	\$	-
Total Uses of Funds	\$	87,571,306.77
Available Funds	\$	27,190,787.76

Fees are not denominated into the Fund; therefore, based on EPA guidance they are not included in the Sources and Uses for the Fund.

Chart 2 – Loan Closings

NO	Project Name Communities Served	Project Description	Project Number	Loan Number	Loan Closing Date	Loan Closing Amount	Additional Subsidy	Green Project Reserve	Estimated Disbursement Cut-Off Date	Estimated Loan Maturity Date	Interest	Fee	Combined Lending Rate	Term	Population Served (Project)	Categorical Exclusion or FONSI	**Small Systems (Population < 10,000)	Disadvantaged Community Funded	
1	CAW #7 Wye Mountain	Regionalizatin of Wye Mountain into the Central Arkansas Water System including payoff of outstanding debt	WRD-004-245	1358-DWSRF-L	10/29/2021	1,383,953.00			4/15/2022		0.75%	1.00%	1.75%	12.5	330,667	CE	0.00		
2	CAW #8 Ridgefield	Replace water distribution system mains	WRD-004-244	1357-DWSRF-L	04/27/2022	1,757,000.00			4/15/2023		1.25%	1.00%	2.25%	30	330,667	CE	0.00		
3	CAW Jack Wilson phase II (L)	Improvements to the existing water storage tank.	WRD-004-266	01380-DWSRF-L	07/30/2021	4,000,000.00			7/31/2021		0.75%	1.00%	1.75%	20	330,667	CE	0.00		
4	East-End	Construct new water storage tank and install new altitude valves.	WRD-004-225	01328-DWSRF-L	07/29/2021	2,650,000.00			4/15/2023		0.75%	1.00%	1.75%	20	2,297	CE	2,650,000.00		
5	Fifty-Six (F)	Permanent installation of the water mains.	WRD-004-211	01301 DWSRF-F	08/30/2021	2,247,127.00	2,247,127		10/15/2022		0.00%	0.00%	0.00%	N/A	595	CE	2,247,127.00		
6	Fifty-six (L)	Permanent installation of the water mains.	WRD-004-211	01302-DWSRF-L	08/30/2021	396,552.00			10/15/2022		0.75%	1.00%	1.75%	20	595	CE	396,552.00		
7	HVY 4 & 24	Rehab water tank, construct new waterline and replace water meters.	WRD-004-227	1330-DWSRF-F	11/17/2021	339,418.00	21,191		4/15/2022		0.00%	0.00%	n/a	N/A	2,135	CE	339,418.00	318,227.00	
8	Lawson-Urbana (L)	Construct new water well	WRD-004-216	01342-DWSRF-F	7/13/2021	1,144,550.89			10/15/2022		0.00%	0.00%	0.00%	N/A	1,108	CE	1,144,550.89		
9	Mena-Iron Forks (L)	Improvements at the Irons Fork Water Treatment Plant.	WRD-004-239	01349-DWSRF-L	04/26/2022	530,000.00			12/31/2024		0.75%	1.00%	1.75%	20	5,590	CE	530,000.00		
10	Mitchellville, City of (L)	Repair and paint tower, new meters and replace door to plant.	WRD-004-193	01278-DWSRF-L	7/2/2021	97,830.00			10/15/2022		0.00%	1.00%	1.00%	10	300	CE	97,830.00		
11	Mitchellville, City of (PF)	Increase in construction cost associated wit bid overuns for the water system improvement project.	WRD-004-193	01277-DWSRF-F	7/2/2021	368,490.00	368,490		10/15/2022		0.00%	0.00%	0.00%	N/A	300	CE	368,490.00		
12	Reed	1055 Cust - Connect water system to the Franklin-Sebastian PWA and water line improvements along Deer Creek Trail and	WRD-004-189	1273-DWSRF-F	10/04/2021	926,421.00	0	706,850	10/15/2022		0.00%	0.00%	0.00%	N/A	209	CE	926,421.00	926,421.00	
13	Village Water Association	Improvements to the existing water storage tank.	WRD-004-213	1304-DWSRF-L	10/05/2021	281,528.00			4/15/2023		0.75%	1.00%	1.75%	20	417	CE	281,528.00		
14	Village Water Association	Improvements to the existing water storage tank.	WRD-004-213	1305-DWSRF-F	10/05/2021	120,655.00	120,655		4/15/2023		0.00%	0.00%	0.00%	N/A	417	CE	120,655.00		
15	Wright-Pastoria (L)	Replacement of water meters.	WRD-004-224	01324-DWSRF-L	7/15/2021	356,460.00		312,322	10/15/2022		0.75%	1.00%	1.75%	20	1,229	CE	356,460.00		
					Sub Total	16,599,984.89	2,757,463.00	1,019,172.00									9,459,031.89	1,244,648.00	
16	Helena-West Helena, City of	Deobligations	WRD-004-098	01174-DWSRF-L	08/12/2021	(47,447.68)													
17	Hickory Ridge, City of	Deobligations	WRD-004-163	01240-DWSRF-L	10/01/2021	(6,277.23)													
SECTION 1452 LOANS CLOSED SFY 2022 TOTAL						\$ 16,546,259.98	\$ 2,757,463.00	\$ 1,019,172.00										\$ 9,459,031.89	\$ 1,244,648.00
TOTAL CUM SECTION 1452 LOANS(NIMS line 137-143) (Binding Commitments through 6/30/21)						\$ 415,618,171.46	\$ 53,503,866.00	\$ 44,601,575.24										\$ 205,253,691.46	\$ 148,235,760.00
TOTAL CUM SECTION 1452 LOANS CLOSED / BINDING COMMITMENTS						\$ 432,164,431.44	\$ 56,261,329.00	\$ 45,620,747.24										\$ 214,712,723.35	\$ 149,480,408.00

GPR totals do not include \$4,965,000 ARRA

Percentage of Binding Commitments:	50%	35%
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**Small systems are defined as systems with population of 10,000 or less

Chart 3– Comparison of Grant Payments and Binding Commitments-

Dates	SFY	Qtr	SFY	FFY	State Match	Cumulative State Match	Qtrly Grant Payment - All Grants			Cum. Grant Payment - All Grants		
							Total Payment	Set-Asides	Loans	Total Payment	Set-Asides	Loans
Jul - Sep 10	2011	Jan-1900	SFY11 Q1	FFY10 Q4	1,022,900	24,777,011	5,114,500	1,229,770	3,884,730	123,885,054	37,893,913	85,991,142
Oct - Dec 10		Jan-1900	SFY11 Q2	FFY11 Q1	511,450	25,288,461	2,557,250	641,602	1,915,648	126,442,304	38,535,515	87,906,790
Jan - Mar 11		Jan-1900	SFY11 Q3	FFY11 Q2	511,450	25,799,911	2,557,250	641,603	1,915,647	128,999,554	39,177,118	89,822,437
Apr - Jun 11		Jan-1900	SFY11 Q4	FFY11 Q3	2,565,350	28,365,261	12,826,750	3,369,758	9,456,992	141,826,304	42,546,876	99,279,429
Jul - Sep 11	2012	Jan-1900	SFY12 Q1	FFY11 Q4		28,365,261	0		0	141,826,304	42,546,876	99,279,429
Oct - Dec 11		Jan-1900	SFY12 Q2	FFY12 Q1	2,053,900	30,419,161	10,269,500	2,728,155	7,541,345	152,095,804	45,275,031	106,820,774
Jan - Mar 12		Jan-1900	SFY12 Q3	FFY12 Q2		30,419,161	0		0	152,095,804	45,275,031	106,820,774
Apr - Jun 12		Jan-1900	SFY12 Q4	FFY12 Q3	2,850,400	33,269,561	14,252,000	1,482,280	12,769,720	166,347,804	46,757,311	119,590,494
Jul - Sep 12	2013	Jan-1900	SFY13 Q1	FFY12 Q4	2,070,800	35,340,361	10,354,000	1,703,660	8,650,340	176,701,804	48,460,971	128,240,834
Oct - Dec 12		Jan-1900	SFY13 Q2	FFY13 Q1	645,600	35,985,961	3,228,000	498,820	2,729,180	179,929,804	48,959,791	130,970,014
Jan - Mar 13		Jan-1900	SFY13 Q3	FFY13 Q2		35,985,961			0	179,929,804	48,959,791	130,970,014
Apr - Jun 13		Jan-1900	SFY13 Q4	FFY13 Q3		35,985,961			0	179,929,804	48,959,791	130,970,014
Jul - Sep 13	2014	Jan-1900	SFY14 Q1	FFY13 Q4		35,985,961			0	179,929,804	48,959,791	130,970,014
Oct - Dec 13		Jan-1900	SFY14 Q2	FFY14 Q1	637,150	36,623,111	3,185,750	923,868	2,261,883	183,115,554	49,883,658	133,231,896
Jan - Mar 14		Jan-1900	SFY14 Q3	FFY14 Q2	637,150	37,260,261	3,185,750	923,868	2,261,882	186,301,304	50,807,526	135,493,778
Apr - Jun 14		Jan-1900	SFY14 Q4	FFY14 Q3	637,150	37,897,411	3,185,750	923,868	2,261,882	189,487,054	51,731,394	137,755,660
Jul - Sep 14	2015	Jan-1900	SFY15 Q1	FFY14 Q4	637,150	38,534,561	3,185,750	923,868	2,261,882	192,672,804	52,655,262	140,017,542
Oct - Dec 14		Jan-1900	SFY15 Q2	FFY15 Q1	676,700	39,211,261	3,383,500	981,215	2,402,285	196,056,304	53,636,477	142,419,827
Jan - Mar 15		Jan-1900	SFY15 Q3	FFY15 Q2	676,700	39,887,961	3,383,500	981,215	2,402,285	199,439,804	54,617,692	144,822,112
Apr - Jun 15		Jan-1900	SFY15 Q4	FFY15 Q3	676,700	40,564,661	3,383,500	981,215	2,402,285	202,823,304	55,598,907	147,224,397
Jul - Sep 15	2016	Jan-1900	SFY16 Q1	FFY15 Q4	676,700	41,241,361	3,383,500	981,215	2,402,285	206,206,804	56,580,122	149,626,682
Oct - Dec 15		Jan-1900	SFY16 Q2	FFY16 Q1	672,250	41,913,611	3,361,250	974,763	2,386,488	209,588,054	57,554,885	152,013,170
Jan - Mar 16		Jan-1900	SFY16 Q3	FFY16 Q2	672,250	42,585,861	3,361,250	974,763	2,386,488	212,929,304	58,529,647	154,399,657
Apr - Jun 16		Jan-1900	SFY16 Q4	FFY16 Q3	672,250	43,258,111	3,361,250	974,763	2,386,488	216,290,554	59,504,410	156,786,145
Jul - Sep 16	2017	Jan-1900	SFY17 Q1	FFY16 Q4	672,250	43,930,361	3,361,250	974,763	2,386,488	219,651,804	60,479,172	159,172,632
Oct - Dec 16		Jan-1900	SFY17 Q2	FFY17 Q1	635,950	44,566,311	3,179,750	1,102,470	2,077,280	222,831,554	61,581,642	161,249,912
Jan - Mar 17		Jan-1900	SFY17 Q3	FFY17 Q2	635,950	45,202,261	3,179,750	1,102,470	2,077,280	226,011,304	62,684,112	163,327,192
Apr - Jun 17		Jan-1900	SFY17 Q4	FFY17 Q3	635,950	45,838,211	3,179,750	1,102,470	2,077,280	229,191,054	63,786,582	165,404,472
Jul - Sep 17	2018	Jan-1900	SFY18 Q1	FFY17 Q4	639,950	46,478,161	3,179,750	1,102,470	2,077,280	232,370,804	64,889,052	167,481,752
Oct - Dec 17		Jan-1900	SFY18 Q2	FFY18 Q1	626,500	47,104,661	3,152,500	1,002,275	2,150,225	235,523,304	65,891,327	169,631,977
Jan - Mar 18		Jan-1900	SFY18 Q3	FFY18 Q2	630,500	47,735,161	3,152,500	1,002,275	2,150,225	238,675,804	66,893,602	171,782,202
Apr - Jun 18		Jan-1900	SFY18 Q4	FFY18 Q3	630,500	48,365,661	3,152,500	1,002,275	2,150,225	241,828,304	67,895,877	173,932,427
Jul - Sep 18	2019	Jan-1900	SFY19 Q1	FFY18 Q4	1,671,000	50,036,661	3,152,500	1,002,275	2,150,225	244,980,804	68,898,152	176,082,652
Oct - Dec 18		Jan-1900	SFY19 Q2	FFY19 Q1		50,036,661	4,177,750	1,136,348	3,041,402	249,158,554	70,034,500	179,124,054
Jan - Mar 19		Jan-1900	SFY19 Q3	FFY19 Q2	1,671,000	51,707,661	4,177,750	1,136,348	3,041,402	253,336,304	71,170,848	182,165,456
Apr - Jun 19		Jan-1900	SFY19 Q4	FFY19 Q3		51,707,661	4,177,750	1,136,348	3,041,402	257,514,054	72,307,196	185,206,858
Jul - Sep 19	2020	Jan-1900	SFY20 Q1	FFY19 Q4		51,707,661	4,177,750	1,136,348	3,041,402	261,691,804	73,443,544	188,248,260
Oct - Dec 19		Jan-1900	SFY20 Q2	FFY20 Q1	3,311,000	55,018,661	4,138,750	1,100,238	3,038,513	265,830,554	74,543,782	191,286,773
Jan - Mar 20		Jan-1900	SFY20 Q3	FFY20 Q2		55,018,661	4,138,750	1,100,238	3,038,513	269,969,304	75,644,019	194,325,285
Apr - Jun 20		Jan-1900	SFY20 Q4	FFY20 Q3		55,018,661	4,138,750	1,100,238	3,038,513	274,108,054	76,744,257	197,363,798
Jul - Sep 20	2021	Jan-1900	SFY21 Q1	FFY20 Q4		55,018,661	4,138,750	1,100,238	3,038,513	278,246,804	77,844,494	200,402,310
Oct - Dec 20		Jan-1900	SFY21 Q2	FFY21 Q1	3,311,000	58,329,661	4,141,500	1,076,790	3,064,710	282,388,304	78,921,284	203,467,020
Jan - Mar 21		Jan-1900	SFY21 Q3	FFY21 Q2		58,329,661	4,141,500	1,076,790	3,064,710	286,529,804	79,998,074	206,531,730
Apr - Jun 21		Jan-1900	SFY21 Q4	FFY21 Q3		58,329,661	4,141,500	1,076,790	3,064,710	290,671,304	81,074,864	209,596,440
Jul - Sep 21	2022	1/1/1900	SFY22 Q1	FFY21 Q4		58,329,661	4,141,500	1,076,790	3,064,710	294,812,804	82,151,654	212,661,150
Oct - Dec 21		Jan-1900	SFY22 Q2	FFY22 Q1	3,310,200	61,639,861	4,137,750	1,075,815	3,061,935	298,950,554	83,227,469	215,723,085
Jan - Mar 22		Jan-1900	SFY22 Q3	FFY22 Q2		61,639,861	4,137,750	1,075,815	3,061,935	303,088,304	84,303,284	218,785,020
Apr - Jun 22		Jan-1900	SFY22 Q4	FFY22 Q3		61,639,861	4,137,750	1,075,815	3,061,935	307,226,054	85,379,099	221,846,955
TOTALS					\$ 55,018,661		\$ 307,226,054	\$ 85,379,099	\$ 221,846,955			

Cart 4 – DWSRF Set-Asides (federal funds drawn)

SRF Grant Year	Set-Aside	% of Grant	Total Available	Total Reserved	Total Budgeted	Total Expended To Date	Remaining Balance	Grant Start Date	Expense Begin Date	Expense End Date	Grant End Date
2019	Admin	4.0%	599,700.00		599,700.00	599,700.00	0.00	10/1/2019	Sep-19	Sep-20	9/30/2023
	SSTA	2.0%	331,100.00	331,100.00	0.00	0.00	0.00		TBD	TBD	
	PWSS	10.0%	1,655,500.00	400,000.00	1,255,500.00	283,665.91	971,834.09		TBD	TBD	
	WHP	5.0%	827,750.00		827,750.00	533,047.15	294,702.85		TBD	TBD	
	Cap Dev	10.0%	1,655,500.00		1,655,500.00	1,654,799.26	700.74		TBD	TBD	
	SWP	0.0%			0.00	0.00	0.00		TBD	TBD	
	Total	31.0%	5,069,550.00	731,100.00	4,338,450.00	3,071,212.32	1,267,237.68				
2020	Admin	4.0%	662,640.00		662,640.00	662,640.00	0.00	10/1/2020	Sep-20	Sep-21	9/30/2024
	SSTA	2.0%	331,320.00	331,320.00	0.00	0.00	0.00		TBD	TBD	
	PWSS	10.0%	1,490,040.00	496,980.00	1,159,620.00	0.00	1,159,620.00		TBD	TBD	
	WHP	5.0%	662,040.00		662,040.00	828,300.00	828,300.00		TBD	TBD	
	Cap Dev	10.0%	1,656,600.00		1,656,600.00	0.00	1,656,600.00		TBD	TBD	
	SWP	0.0%			0.00	0.00	0.00		TBD	TBD	
	Total	31.0%	4,802,640.00	828,300.00	4,307,160.00	662,640.00	3,644,520.00				
2021	Admin	4.0%	662,640.00		662,640.00	0.00	662,640.00	10/1/2020	Sep-20	Sep-21	9/30/2024
	SSTA	2.0%	331,320.00	331,020.00	300.00	0.00	300.00		TBD	TBD	
	PWSS	10.0%	1,490,040.00	496,530.00	993,510.00	0.00	993,510.00		TBD	TBD	
	WHP	5.0%	662,040.00		662,040.00	0.00	662,040.00		TBD	TBD	
	Cap Dev	10.0%	1,655,100.00		1,655,100.00	0.00	1,655,100.00		TBD	TBD	
	SWP	0.0%			0.00	0.00	0.00		TBD	TBD	
	Total	31.0%	4,801,140.00	827,550.00	3,973,590.00	0.00	3,973,590.00				
2022 Base Estimate	Admin	4.0%	421,720.00	0.00	421,720.00	0.00	421,720.00	10/1/2022	Sep-22	Sep-23	9/30/2026
	SSTA	2.0%	210,860.00	210,860.00	0.00	0.00	0.00		TBD	TBD	
	PWSS	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	WHP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Cap Dev	10.0%	1,054,300.00	1,054,300.00	0.00	0.00	0.00		TBD	TBD	
	SWP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Total	16.0%	1,686,880.00	1,265,160.00	421,720.00	0.00	421,720.00				
2022 BIL-G Estimate	Admin	4.0%	1,082,800.00	0.00	1,082,800.00	0.00	1,082,800.00	10/1/2022	Sep-22	Sep-23	9/30/2026
	SSTA	2.0%	541,400.00	0.00	541,400.00	0.00	541,400.00		TBD	TBD	
	PWSS	10.0%	2,707,000.00	0.00	2,707,000.00	0.00	2,707,000.00		TBD	TBD	
	WHP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Cap Dev	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	SWP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Total	16%	4,331,200.00	0.00	4,331,200.00	0.00	4,331,200.00				
2022 GIL-LSL Estimate	Admin	4.0%	1,706,120.00	0.00	1,706,120.00	0.00	1,706,120.00	10/1/2022	Sep-22	Sep-23	9/30/2026
	SSTA	2.0%	853,060.00	0.00	853,060.00	0.00	853,060.00		TBD	TBD	
	PWSS	10.0%	4,265,300.00	0.00	4,265,300.00	0.00	4,265,300.00		TBD	TBD	
	WHP	5.0%	2,132,650.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Cap Dev	10.0%	4,265,300.00	0.00	4,265,300.00	0.00	4,265,300.00		TBD	TBD	
	SWP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Total	31%	13,222,430.00	0.00	11,089,780.00	0.00	11,089,780.00				
2022 BIL-EC Estimate	Admin	4.0%	454,680.00	454,680.00	0.00	0.00	0.00	10/1/2022	Sep-22	Sep-23	9/30/2026
	SSTA	2.0%	227,340.00	227,340.00	0.00	0.00	0.00		TBD	TBD	
	PWSS	10.0%	1,136,700.00	1,136,700.00	0.00	0.00	0.00		TBD	TBD	
	WHP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Cap Dev	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	SWP	0.0%	0.00	0.00	0.00	0.00	0.00		TBD	TBD	
	Total	16%	1,818,720.00	1,818,720.00	0.00	0.00	0.00				
Totals	Set-Aside	% of Grant	Total Available	Total Reserved	Total Budgeted	Total Expended To Date	Total Remaining Balance		Expense Begin Date	Expense End Date	Grant End Date
Current Balance Totals (Includes Estimated FFY22 Cap Grants)	Admin		7,888,380.00	0.00	7,888,380.00	4,015,100.00	1,706,120.00		TBD	TBD	N/A
	SSTA		3,979,440.00	2,023,660.00	1,955,780.00	561,020.00	1,394,760.00		TBD	TBD	
	PWSS		18,609,780.00	1,694,310.00	17,082,030.00	6,984,765.91	10,097,264.09		TBD	TBD	
	WHP		7,735,430.00	0.00	5,769,040.00	3,983,997.15	1,785,042.85		TBD	TBD	
	Cap Dev		17,188,700.00	1,054,300.00	16,134,400.00	8,556,699.26	7,577,700.74		TBD	TBD	
	Total		55,401,730.00	4,772,270.00	48,829,630.00	24,101,582.32	22,560,887.68				

Chart 5 – State Match

Transaction Date	Deposited to #7046000122	Apply to Cap Grant:	Funding Source	Transferred to #7046000195	Description	Match Balance
09/27/2021	0.73	2021	Accrued Interest			0.73
09/27/2021	37.86	2021	Accrued Interest			38.59
09/27/2021	3,310,161.41	2021	Admin Fee Acct			3,310,200.00
10/29/2021		21 Match	Admin Fee Acct	(1,383,953.00)	Carlisle (L)	1,926,247.00
11/03/2021		21 Match	Admin Fee Acct	(67,929.00)	CAW #4 (L)	1,858,318.00
11/03/2021		21 Match	Admin Fee Acct	(301,032.00)	Clinton (L)	1,557,286.00
11/03/2021		21 Match	Admin Fee Acct	(149,574.00)	Danville (L)	1,407,712.00
11/03/2021		21 Match	Admin Fee Acct	(1,407,712.00)	Demott (L)	0.00

Chart 6 – Additional Subsidization by Cap Grant

Drinking Water Grant Requirements														
2019 Cap Grant Requirements (2019090123 Award date 09/01/2019) - Budget & Project period end 9/30/2024														
2019 Maximum Required: \$2,311,000														
Maximum Allowed Loans of 5%: \$5,795,429														
Project	Loan Number	Loan Closing Date	Add Sub (PF) Allocated	Add Sub (PF) Expended	Revolving Add Sub Funds	Add Sub (PF) Balance	Disadvantaged Community (PF) 4% Min	Add Sub (PF) 50% Allocated - MAX 24.9 in 10% on not use	Disadvantaged Expended	Disadvantaged Remaining Balance	Percentage of Project Meeting QPR Requirements	QPR Allocated	QPR Expended	QPR Balance
Carrollville (1) **	01020-CW0004	9/28/2018	-	-	-	-	100.000%	-	-	-	100.000%	393,490	393,490	-
Midvale (1) modern 19	01154-CW0004	9/28/2018	-	-	-	-	100.000%	-	-	-	100.000%	412,385	412,385	-
Alhambra (1) **	01315-CW0004	04/19/2019	-	-	-	-	100.000%	-	-	-	100.000%	280,000	280,000	-
Polkville (1) **	01354-CW0004	04/25/2019	-	-	-	-	100.000%	-	-	-	100.000%	138,434	138,434	-
Alhambra-Farmers (PF) (disadvantaged eligible)	01374-CW0004	11/30/2019	-	-	-	-	100.000%	-	-	-	100.000%	525,000	525,000	-
Reynolds (1) **	01376-CW0004	10/17/2019	-	-	-	-	100.000%	-	-	-	100.000%	120,480	120,480	-
Midvale-Quincy (PF) (PF)	01378-CW0004	10/28/2019	146,266.46	146,266.46	-	-	0.000%	-	-	-	0.000%	-	-	-
Carrollville (1) **	01379-CW0004	10/18/2019	243,300.00	243,300.00	-	-	0.000%	-	-	-	0.000%	-	-	-
Midvale (1) (PF) (PF) (PF)	01379-CW0004	07/01/2021	369,404.00	369,404.00	-	-	0.000%	-	-	-	0.000%	-	-	-
Stilwell-Lane (PF) (PF) (PF)	01379-CW0004	12/17/2023	1,079,827.00	1,079,827.00	-	-	0.000%	-	-	-	0.000%	-	-	-
Reynolds (1) **	01379-CW0004	01/30/2021	1,404,134.56	1,404,134.56	-	-	0.000%	-	-	-	0.000%	-	-	-
Carrollville (1) **	01379-CW0004	09/02/2019	-	-	-	-	0.000%	-	-	-	0.000%	-	-	-
Midvale (1) **	01379-CW0004	06/27/2020	-	-	-	-	100.000%	-	-	-	100.000%	1,284,391	1,284,391	216,000
Midvale (1) **	01379-CW0004	09/14/2020	-	-	-	-	100.000%	-	-	-	100.000%	700,000	700,000	-
Carrollville (1) **	01379-CW0004	07/14/2020	-	-	-	-	100.000%	-	-	-	100.000%	212,132	212,132	18,868
2019 Grant Totals			5,311,000.00	5,311,000.00	-	-	963,300	-	5,54,515	56,775	5,450,814	5,450,814	56,775	
Total Add Sub + DV Add Sub			4,304,300.00	-	-	-	-	-	-	-	-	-	-	-
Minimum (Cover) / Under			-	-	-	-	-	-	-	-	-	-	-	-
Maximum (Cover) / Under			-	-	-	-	-	-	-	-	-	-	-	-
2020 Cap Grant Requirements (2019090123 Award date 09/01/2019) - Budget & Project period end 9/30/2024														
2020 Maximum Required: \$2,311,000														
Maximum Allowed Loans of 5%: \$5,795,429														
Project	Loan Number	Loan Closing Date	Add Sub (PF) Allocated	Add Sub (PF) Expended	Revolving Add Sub Funds	Add Sub (PF) Balance	Disadvantaged Community (PF) Max 4%	Add Sub (PF) 50% Allocated - MAX 24.9 in 10% on not use	Disadvantaged Expended	Disadvantaged Remaining Balance	Percentage of Project Meeting QPR Requirements	QPR Allocated	QPR Expended	QPR Balance
Wagon Water (PF)	01305-CW0004	10/01/2021	120,000.00	120,000.00	-	-	100.000%	-	-	-	100.000%	-	-	-
Hay & 24 Water Association (PF)	01305-CW0004	11/17/2021	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Polkville (1) **	01301-CW0004	05/27/2021	613,013.48	613,013.48	-	-	100.000%	-	-	-	100.000%	-	-	-
Hayes (PF) - DV eligible	01374-CW0004	01/19/2021	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Wright-Parkway (1)	01304-CW0004	1/21/2021	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Lawrence (1)	01304-CW0004	01/21/2021	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Wright-Parkway (1) 2	01304-CW0004	01/19/2021	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
St. Bradley (1) ** not closed	01304-CW0004	not closed	549,421.00	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Enders (PF) - GREEN too not closed DV eligible	01304-CW0004	not closed	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
CAW (PF) West Polkville (PF)	01304-CW0004	not closed	880,200.00	-	-	-	100.000%	-	-	-	100.000%	-	-	-
2020 Grant Totals			2,311,240.00	324,264.48	-	1,986,975.52	953,960	-	910,060	-	5,127,400	2,357,500	3,545,061	
Total Add Sub + DV Add Sub			3,311,200.00	-	-	-	-	-	-	-	-	-	-	-
Minimum (Cover) / Under			-	-	-	-	-	-	-	-	-	-	-	-
Maximum (Cover) / Under			-	-	-	-	-	-	-	-	-	-	-	-
2021 Cap Grant Requirements (2019090123 Award date 9/1/2021) - Budget & Project period end 9/30/2025														
2021 Maximum Required: \$2,311,000														
Maximum Allowed Loans of 5%: \$5,795,429														
Project	Loan Number	Loan Closing Date	Add Sub (PF) Allocated	Add Sub (PF) Expended	Revolving Add Sub Funds	Add Sub (PF) Balance	Disadvantaged Community (PF) Max 4%	Add Sub (PF) 50% Allocated - MAX 24.9 in 10% on not use	Disadvantaged Expended	Disadvantaged Remaining Balance	Percentage of Project Meeting QPR Requirements	QPR Allocated	QPR Expended	QPR Balance
Hayes (PF) - DV eligible	01374-CW0004	10/19/2021	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
CAW/Venue Polkville Service User Program (PF)	01304-CW0004	not closed	1,200,000	-	-	-	100.000%	-	-	-	100.000%	-	-	-
CAW (PF) West Polkville (PF)	01304-CW0004	not closed	1,313,750	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Enders (PF) - GREEN too not closed DV eligible	01304-CW0004	not closed	880,000	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Enders (1) - GREEN too not closed DV eligible	01304-CW0004	not closed	-	-	-	-	100.000%	-	-	-	100.000%	-	-	-
Strong (1) ** not closed DV eligible	01304-CW0004	not closed	148,640	-	-	-	100.000%	-	-	-	100.000%	-	-	-
2021 Grant Totals			3,377,430	-	-	3,377,430	971,800	-	495,440	53,117	1,442,579	-	1,442,579	1,442,579
Total Add Sub + DV Add Sub			3,377,430	-	-	-	-	-	-	-	-	-	-	-
Minimum (Cover) / Under			-	-	-	-	-	-	-	-	-	-	-	-
Maximum (Cover) / Under			-	-	-	-	-	-	-	-	-	-	-	-

Chart 7 – SFY2021 Drinking Water Project List Priority - Bypassed Projects

<i>IUP No.</i>	<i>Total Points</i>	<i>PWS ID</i>	<i>Entity</i>	<i>Project Cost</i>	<i>Est. Binding Commitment</i>	<i>Population</i>	<i>Small System (Y/N)</i>	<i>MHI</i>	<i>Disadvantaged (Y/N)</i>	<i>Project Description</i>
7	144	465	Central Arkansas Water (CAW) West Pulaski	\$16,300,000	Jan-22	313,588	NO	51,165	NO	Expansion of water service to Ferndale West Pulaski area.
7	144	465	Central Arkansas Water (CAW) West Pulaski	\$2,200,000	Jan-22	313,588	NO	51,165	NO	Expansion of water service to Ferndale West Pulaski area.
7	144	465	Central Arkansas Water (CAW) West Pulaski - Service Line Program	\$1,200,000	Jan-22	313,588	NO	51,165	NO	Low to moderate income (LMI) service line project to extend water service to the Ferndale/West Pulaski area.
64	28	171	Dumas(Pickens)	\$376,995	Aug-21	6,061	YES	35,625	YES	Installation of a waterline from Dumas connecting to the town of Pickens.
57	30	083	Eudora	\$1,630,211	Sep-20	3,158	YES	18,436	YES	Water system improvements
57	30	083	Eudora	\$543,404	Sep-20	3,158	YES	18,436	YES	Water system improvements
5	174	438	Mena (Irons Fork)	\$7,000,000	Sep-2020	5,590	YES	28,222	YES	Replace Existing Clearwell & High Service Pump Station
15	64	870	Southeast Bradley County	\$505,323	Nov-2021	2,665	YES	36,310	YES	Regionalize Banks into SW Bradley County Water District system
Total Amount				\$29,755,933						
Total Count				8						

VII. Appendix B – Financial Statement & Capacity Analysis

Appendix B-1 – Statement of Net Position

**SAFE DRINKING
STATEMENT OF NET POSITION
JUNE 30, 2022 AND 2021**

	2022	2021
Current Assets		
Cash and cash equivalents	\$ 85,463,977	\$ 89,914,084
Accrued interest receivable		
Investment	54,066	8,997
Loans	235,501	50,838
Accounts Receivable:		
Borrowers	219,515	61,376
Environmental Protection Agency	314,752	299,986
Total current assets	<u>86,287,811</u>	<u>90,335,219</u>
Noncurrent assets		
Loans receivable - restricted		
Construction	217,810,228	204,259,906
Northeast Arkansas Public Water Authority	-	-
Total noncurrent assets	<u>217,810,228</u>	<u>204,259,906</u>
Total assets	<u>\$ 304,098,037</u>	<u>\$ 294,595,185</u>
Current Liabilities		
Accounts payable	443,016	388,608
Accrued interest payable	-	-
Bonds payable - current portion	-	-
Total current liabilities	<u>443,016</u>	<u>388,608</u>
Noncurrent Liabilities		
Bonds payable, net of unamortized premiums	-	-
Total liabilities	<u>443,016</u>	<u>388,608</u>
Net Position		
Restricted by bond resolution and program admin	<u>\$ 303,655,022</u>	<u>\$ 294,206,577</u>

Appendix B-2 – Revenues, Expenses & Changes in Net Position

SAFE DRINKING PROGRAM FUND COMBINING STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION YEAR ENDED JUNE 30, 2022 AND 2021

	2022	2021
Operating Revenues		
Interest on investments	\$ 204,621	\$ 162,448
Interest on loans	2,614,961	2,504,279
Financing fees	3,029,750	1,690,383
Other income	1,700	-
Net appreciation of investments	(64,207)	1,306
Total operating revenues	<u>4,786,725</u>	<u>4,358,416</u>
Operating Expenses		
Program administration	309,258	384,562
Federal financial assistance - Base federal grant	5,798,061	4,492,829
Bond interest	-	549,072
Amortization of bond premiums	-	(785,644)
Total operating expenses	<u>6,107,339</u>	<u>4,640,815</u>
Operating Income	(1,320,614)	(282,397)
Nonoperating Revenue		
Base federal grants	<u>14,336,541</u>	<u>11,176,700</u>
Income Before Transfers Out, Net	13,015,927	10,894,303
Transfers Out, Net	<u>(3,567,482)</u>	<u>(306,357)</u>
Change in Net Position	9,448,445	10,587,946
Net Position, Beginning of year	<u>294,206,577</u>	<u>283,617,631</u>
Net Position, End of year	<u>\$ 303,655,022</u>	<u>\$ 294,206,577</u>

Appendix B-3 – Statement of Cash Flows

**SAFE DRINKING
STATEMENT OF CASH FLOWS
YEAR ENDED JUNE 30, 2022 AND 2021**

	2022	2021
Operating Activities		
Financing fees received	1,871,612	1,625,045
Other income	1,700	
Cash paid for program administration	(299,758)	(325,213)
Net cash provided by operating activities	1,573,554	1,300,835
Noncapital Financing Activities		
Repayments of long-term debt	-	(15,150,000)
Cash paid for interest	-	(598,688)
Transfers out	(3,622,574)	(327,152)
Nonoperating grants received	14,321,775	11,124,710
Net cash provided by noncapital financing activities	10,700,201	(2,951,430)
Investing Activities		
Interest received on investments	\$ 159,452	\$ 191,655
Interest received on loans	2,430,296	2,536,641
Principal repayments on loans	21,197,658	14,486,730
Loan disbursements	(34,747,978)	(47,135,228)
Federal grant funds expended	(5,798,081)	(4,492,625)
Proceeds from maturities of investments	(54,207)	1,308
Purchase of investments	-	-
Net cash provided by (used in) investing activities	(16,822,861)	(34,412,719)
Increase (Decrease) in Cash and Cash Equivalents	(4,450,105)	(35,994,315)
Cash and Cash Equivalents, Beginning of year	89,914,084	125,908,399
Cash and Cash Equivalents, End of year	\$ 85,463,977	\$ 89,914,084
	85,463,977	89,914,084
Reconciliation of Operating Income to Net Cash Provided by Operating Activities		
Operating income	\$ (1,320,514)	\$ (262,397)
Adjustments to reconcile operating income if changes in net assets to net cash provided by operating activities:		
Interest on investments	(204,521)	(162,448)
Interest on loans	(2,514,861)	(2,504,279)
Bond interest	-	546,072
Amortization of bond premiums	-	(780,644)
Net appreciation of investments	54,207	(1,308)
Federal grants expended	5,798,081	4,492,625
non cash federal grant	-	82,500
Changes in:		
Account receivable - borrowers	(158,132)	4,660
Receivable from other fund	-	-
Accounts payable	9,501	(3,151)
Net cash provided by operating activities	\$ 1,573,554	\$ 1,300,835

Appendix B-4 – Pace Calculations – Financial Indicators

PACE CALCULATIONS - Financial Indicators			
FEDERAL RETURN ON INVESTMENT			
State Fiscal Year	Cumulative Assistance Disbursed	Cumulative Federal Cash Draws	Federal Return on Investment
2015	\$ 208,526,297	\$ 211,919,279	98.40%
2016	\$ 219,164,456	\$ 222,754,746	98.39%
2017	\$ 227,298,217	\$ 222,754,746	102.04%
2018	\$ 237,297,944	\$ 235,247,630	100.87%
2019	\$ 253,067,130	\$ 245,443,638	103.11%
2020	\$ 286,074,546	\$ 257,266,358	111.20%
2021	\$ 337,580,940	\$ 225,714,311	149.56%
2022			
EXECUTED LOANS AS A PERCENTAGE OF FUNDS AVAILABLE			
State Fiscal Year	Total RLF Assistance Provided (Loans)	Cumulative Funds Available for Loans	Executed Loans as a % of Funds Available
2015	\$ 258,254,147	\$ 308,916,116	83.60%
2016	\$ 262,254,147	\$ 329,872,715	79.50%
2017	\$ 274,634,147	\$ 356,424,953	77.05%
2018	\$ 281,406,500	\$ 378,130,754	74.42%
2019	\$ 295,841,500	\$ 405,613,385	72.94%
2020	\$ 348,677,900	\$ 438,289,278	79.55%
2021	\$ 415,618,172	\$ 427,634,431	97.19%
2022			
LOAN DISBURSEMENTS AS A PERCENTAGE OF EXECUTED LOANS			
State Fiscal Year	Cumulative Assistance Disbursed	Total RLF Assistance Provided (Loans)	Loan Disbursements as a % of Executed Loans
2015	\$ 208,526,297	\$ 258,254,147	80.74%
2016	\$ 219,164,456	\$ 262,254,147	83.57%
2017	\$ 227,298,217	\$ 274,634,147	82.76%
2018	\$ 237,297,944	\$ 281,406,500	84.33%
2019	\$ 253,067,130	\$ 295,841,500	85.54%
2020	\$ 286,074,546	\$ 348,677,900	82.05%
2021	\$ 337,580,940	\$ 415,618,172	81.22%
2022			
Note: All data from NIMS which includes ARRA totals			

Appendix B-5 – Capacity Analysis Bond Issuance

* Preliminary for Discussion Only *

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Summary of Projected Program Capacity

Loan Funding Sources						Loan Funding Uses						(3) Cumulative Inflation Adjusted Total New Loans at 2.43%	(1) Effective Loan Rate	Effective Subsidy
Fiscal Year	Bonds Sold	Assumed Bond Rate	Federal Cap Grants	State Match	Revenue Fund Releases	(2) Bond Funded New Loans	Direct Funded Loans	Total No Interest Loans	Total New Loans	Cumulative Loans Funded	Inflation Adjusted Total New Loans at 2.43%			
2023	27,000,000	1.93%	10,474,640	4,815,600	14,172,112	26,595,000	103,133,818	-	129,728,818	129,728,818	129,728,818	129,728,818	0.35%	81.87%
2024	27,000,000	2.25%	11,533,639	5,345,100	16,701,203	26,595,000	33,579,942	-	60,174,942	189,903,760	58,746,233	188,475,051	0.58%	74.22%
2025	27,000,000	2.50%	12,124,499	9,172,459	23,705,908	26,595,000	45,002,865	-	71,597,865	261,501,625	68,238,389	256,713,441	0.75%	70.00%
2026	27,000,000	3.00%	-	-	34,898,577	26,595,000	24,898,577	-	51,493,577	312,995,202	47,912,199	304,625,640	1.10%	63.33%
2027	27,000,000	3.00%	-	-	25,776,784	26,595,000	25,776,784	-	52,371,784	365,366,986	47,572,367	352,198,007	1.10%	63.33%
2028	27,000,000	3.00%	-	-	25,374,324	26,595,000	25,374,324	-	51,969,324	417,336,310	46,085,978	398,283,985	1.10%	63.33%
2029	27,000,000	3.50%	-	-	25,277,893	26,595,000	25,277,893	-	51,872,893	469,209,203	44,908,294	443,192,278	1.45%	58.57%
2030	27,000,000	3.50%	-	-	26,237,546	26,595,000	26,237,546	-	52,832,546	522,041,749	44,653,137	487,845,415	1.45%	58.57%
2031	27,000,000	3.50%	-	-	25,715,995	26,595,000	25,715,995	-	52,310,995	574,352,745	43,162,616	531,008,032	1.45%	58.57%
2032	27,000,000	4.00%	-	-	25,526,832	26,595,000	25,526,832	-	52,121,832	626,474,577	41,985,449	572,993,481	1.80%	55.00%
2033	27,000,000	4.00%	-	-	26,259,948	26,595,000	26,259,948	-	52,854,948	679,329,525	41,565,129	614,558,609	1.80%	55.00%
2034	27,000,000	4.00%	-	-	27,293,108	26,595,000	27,293,108	-	53,888,108	733,217,634	41,371,452	655,930,061	1.80%	55.00%
2035	27,000,000	4.00%	-	-	27,884,188	26,595,000	27,884,188	-	54,479,188	787,696,821	40,832,201	696,762,263	1.80%	55.00%
2036	27,000,000	4.00%	-	-	28,185,667	26,595,000	28,185,667	-	54,780,667	842,477,489	40,083,334	736,845,596	1.80%	55.00%
2037	27,000,000	4.00%	-	-	28,412,860	26,595,000	28,412,860	-	55,007,860	897,485,348	39,293,943	776,139,539	1.80%	55.00%
2038	27,000,000	4.00%	-	-	28,355,666	26,595,000	28,355,666	-	54,950,666	952,436,014	38,321,118	814,460,658	1.80%	55.00%
2039	27,000,000	4.00%	-	-	29,527,210	26,595,000	29,527,210	-	56,122,210	1,008,558,224	38,208,881	852,669,539	1.80%	55.00%
2040	27,000,000	4.00%	-	-	30,695,053	26,595,000	30,695,053	-	57,290,053	1,065,848,277	38,077,913	890,747,452	1.80%	55.00%
2041	27,000,000	4.00%	-	-	31,724,568	26,595,000	31,724,568	-	58,319,568	1,124,167,846	37,841,867	928,589,319	1.80%	55.00%
2042	26,500,000	4.00%	-	-	32,116,156	26,102,500	32,116,156	-	58,218,656	1,182,386,501	36,879,479	965,468,798	1.80%	55.00%
TOTAL	539,500,000		34,132,778	19,333,158	523,841,599	531,407,500	650,879,001	-	1,182,386,501		965,468,798			

(1) Effective interest rate represents total loan rate less 1.0% of Admin Fees.

(2) Future leveraged loan totals represent the projected future bond par amount less cost of issuance expenses which have been estimated at 1.50%. Preliminary, for discussion purposes only.

(3) Inflation rate estimate.

Note: Scenario assumes all currently outstanding Direct Loans are pledged to bond debt service. Excess coverage will recycle to equity for funding of additional pledged Direct Loans.

<i>Proof of Perpetuity in Final Year:</i>	<i>6/1/2063</i>
To-Date Capitalization to Preserve:	264,802,277
Assumed Future Capitalization:	53,465,936
Total Preservation Requirement:	318,268,213
Equity Fund Balance on 6/1/2063:	318,277,274
Perpetuity Excess/(Shortfall):	9,060

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Federal Cap Grant and State Match Assumptions

Drinking Water

FFY	FY	Base	Admin Fee		Set Aside		Congressional PF		Disadvantage PF		Net Base Available	Required State Match	
			%	Amount	%	Amount	%	Amount	%	Amount		%	Amount
2022	2023	10,543,000.00	4.00%	(421,720.00)	22.00%	(2,319,460.00)	14.00%	(1,476,020.00)	12.00%	(1,265,160.00)	5,060,640.00	20.00%	2,108,600.00
2023	2024	10,543,000.00	4.00%	(421,720.00)	22.00%	(2,319,460.00)	14.00%	(1,476,020.00)	12.00%	(1,265,160.00)	5,060,640.00	20.00%	2,108,600.00
2024	2025	10,543,000.00	4.00%	(421,720.00)	22.00%	(2,319,460.00)	14.00%	(1,476,020.00)	12.00%	(1,265,160.00)	5,060,640.00	20.00%	2,108,600.00
2025	2026	-	4.00%	-	22.00%	-	14.00%	-	12.00%	-	-	20.00%	-
2026	2027	-	4.00%	-	22.00%	-	14.00%	-	12.00%	-	-	20.00%	-
		31,629,000.00		(1,265,160.00)		(6,958,380.00)		(4,428,060.00)		(3,795,480.00)	15,181,920.00		6,325,800.00

FFY	FY	BIL-Gen	Admin Fee		Set Aside		Congressional PF		Disadvantage PF		Net BIL-Gen Available	Required State Match	
			%	Amount	%	Amount	%	Amount	%	Amount		%	Amount
2022	2023	27,070,000.00	4.00%	(1,082,800.00)	27.00%	(7,308,900.00)	0.00%	-	49.00%	(13,264,300.00)	5,414,000.00	10.00%	2,707,000.00
2023	2024	32,364,996.00	4.00%	(1,294,599.84)	27.00%	(8,738,548.92)	0.00%	-	49.00%	(15,858,848.04)	6,472,999.20	10.00%	3,236,499.60
2024	2025	35,319,294.00	4.00%	(1,412,771.76)	27.00%	(9,536,209.38)	0.00%	-	49.00%	(17,306,454.06)	7,063,858.80	20.00%	7,063,858.80
2025	2026	-	4.00%	-	27.00%	-	0.00%	-	49.00%	-	-	20.00%	-
2026	2027	-	4.00%	-	27.00%	-	0.00%	-	49.00%	-	-	20.00%	-
		94,754,290.00		(3,790,171.60)		(25,583,658.30)		-		(46,429,602.10)	18,950,858.00		13,007,358.40

FFY	FY	Base + BIL-Gen Combined	Admin Fee		Set Aside		Congressional PF		Disadvantage PF		Net Base + BIL-Gen Available	Required State Match	
			%	Amount	%	Amount	%	Amount	%	Amount		%	Amount
2022	2023	37,613,000.00	4.00%	(1,504,520.00)	25.60%	(9,628,360.00)	3.92%	(1,476,020.00)	38.63%	(14,529,460.00)	10,474,640.00	12.80%	4,815,600.00
2023	2024	42,907,996.00	4.00%	(1,716,319.84)	25.77%	(11,058,008.92)	3.44%	(1,476,020.00)	39.91%	(17,124,008.04)	11,533,639.20	12.46%	5,345,099.60
2024	2025	45,862,294.00	4.00%	(1,834,491.76)	25.83%	(11,855,669.38)	3.22%	(1,476,020.00)	40.49%	(18,571,614.06)	12,124,498.80	20.00%	9,172,458.80
2025	2026	-	0.00%	-	0.00%	-	0.00%	-	0.00%	-	-	0.00%	-
2026	2027	-	0.00%	-	0.00%	-	0.00%	-	0.00%	-	-	0.00%	-
		126,383,290.00		(5,055,331.60)		(32,542,038.30)		(4,428,060.00)		(50,225,082.10)	34,132,778.00		19,333,158.40

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Projected Drinking Water Debt Service Coverage

FYE	Net Revenues	Total Loan P&I Available for Debt Service	Total Debt Service	Excess Available	Transfer (to)/from Equity Fund	Coverage
2023	14,172,112	14,172,112	-	14,172,112	(14,172,112)	n/a
2024	17,222,303	17,222,303	521,100	16,701,203	(16,701,203)	33.05x
2025	25,953,506	25,953,506	2,247,598	23,705,908	(23,705,908)	11.55x
2026	28,905,011	28,905,011	4,006,434	24,898,577	(24,898,577)	7.21x
2027	31,650,191	31,650,191	5,873,406	25,776,784	(25,776,784)	5.39x
2028	33,062,555	33,062,555	7,688,231	25,374,324	(25,374,324)	4.30x
2029	34,780,947	34,780,947	9,503,055	25,277,893	(25,277,893)	3.66x
2030	37,690,425	37,690,425	11,452,879	26,237,546	(26,237,546)	3.29x
2031	39,068,623	39,068,623	13,352,628	25,715,995	(25,715,995)	2.93x
2032	40,779,209	40,779,209	15,252,377	25,526,832	(25,526,832)	2.67x
2033	43,547,074	43,547,074	17,287,126	26,259,948	(26,259,948)	2.52x
2034	46,566,941	46,566,941	19,273,833	27,293,108	(27,293,108)	2.42x
2035	49,144,728	49,144,728	21,260,540	27,884,188	(27,884,188)	2.31x
2036	51,432,915	51,432,915	23,247,248	28,185,667	(28,185,667)	2.21x
2037	53,646,815	53,646,815	25,233,955	28,412,860	(28,412,860)	2.13x
2038	55,576,328	55,576,328	27,220,662	28,355,666	(28,355,666)	2.04x
2039	58,734,579	58,734,579	29,207,370	29,527,210	(29,527,210)	2.01x
2040	61,889,130	61,889,130	31,194,077	30,695,053	(30,695,053)	1.98x
2041	64,905,352	64,905,352	33,180,784	31,724,568	(31,724,568)	1.96x
2042	67,283,647	67,283,647	35,167,491	32,116,156	(32,116,156)	1.91x
2043	67,563,141	67,563,141	37,134,199	30,428,942	(30,428,942)	1.82x
2044	69,478,415	69,478,415	38,024,115	31,454,300	(31,454,300)	1.83x
2045	62,116,112	62,116,112	36,384,017	25,732,095	(25,732,095)	1.71x
2046	58,927,889	58,927,889	34,692,681	24,235,208	(24,235,208)	1.70x
2047	55,066,709	55,066,709	32,960,709	22,106,000	(22,106,000)	1.67x
2048	51,964,269	51,964,269	31,145,884	20,818,384	(20,818,384)	1.67x
2049	48,850,523	48,850,523	29,331,060	19,519,463	(19,519,463)	1.67x
2050	45,693,094	45,693,094	27,516,236	18,176,857	(18,176,857)	1.66x
2051	42,565,543	42,565,543	25,616,487	16,949,056	(16,949,056)	1.66x
2052	39,503,419	39,503,419	23,716,738	15,786,681	(15,786,681)	1.67x
2053	36,471,523	36,471,523	21,816,989	14,654,534	(14,654,534)	1.67x
2054	33,345,113	33,345,113	19,830,282	13,514,832	(13,514,832)	1.68x
2055	30,174,729	30,174,729	17,843,574	12,331,155	(12,331,155)	1.69x
2056	26,942,374	26,942,374	15,856,867	11,085,507	(11,085,507)	1.70x
2057	23,674,563	23,674,563	13,870,160	9,804,404	(9,804,404)	1.71x
2058	20,388,670	20,388,670	11,883,453	8,505,217	(8,505,217)	1.72x
2059	17,089,148	17,089,148	9,896,745	7,192,403	(7,192,403)	1.73x
2060	13,793,057	13,793,057	7,910,038	5,883,019	(5,883,019)	1.74x
2061	10,426,694	10,426,694	5,923,331	4,503,363	(4,503,363)	1.76x
2062	6,990,281	6,990,281	3,936,624	3,053,657	(3,053,657)	1.78x
2063	3,492,114	3,492,114	1,949,916	1,542,197	(1,542,197)	1.79x
	1,620,529,771	1,620,529,771	779,410,899	841,118,872	(841,118,872)	

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Drinking Water - Revenue Fund

FYE	Existing Loan Repayments	Leveraged Repayments	Future Pledged Loans Direct Repayments	No Interest Loan Repayments	Revenue Fund Earnings @ 0.00%	Total Net Revenues for Debt Service
2023	14,172,112	-	-	-	-	14,172,112
2024	16,768,252	93,083	360,968	-	-	17,222,303
2025	18,877,036	1,533,410	5,543,060	-	-	25,953,506
2026	18,445,237	2,990,836	7,468,938	-	-	28,905,011
2027	17,292,494	4,520,863	9,836,834	-	-	31,650,191
2028	15,812,850	6,009,516	11,240,189	-	-	33,062,555
2029	14,604,164	7,498,168	12,678,615	-	-	34,780,947
2030	14,424,169	9,079,903	14,186,353	-	-	37,690,425
2031	12,781,948	10,621,324	15,665,350	-	-	39,068,623
2032	11,437,973	12,162,745	17,178,491	-	-	40,779,209
2033	10,994,259	13,797,249	18,755,567	-	-	43,547,074
2034	10,874,520	15,392,489	20,299,932	-	-	46,566,941
2035	10,263,326	16,987,730	21,893,672	-	-	49,144,728
2036	9,308,518	18,582,971	23,541,427	-	-	51,432,915
2037	8,249,181	20,178,211	25,219,423	-	-	53,646,815
2038	6,888,711	21,773,452	26,914,165	-	-	55,576,328
2039	6,748,470	23,368,693	28,617,417	-	-	58,734,579
2040	6,585,842	24,963,933	30,339,355	-	-	61,889,130
2041	6,214,680	26,559,174	32,131,499	-	-	64,905,352
2042	5,138,030	28,154,414	33,991,203	-	-	67,283,647
2043	1,921,173	29,740,790	35,901,178	-	-	67,563,141
2044	1,392,269	30,836,644	37,249,501	-	-	69,478,415
2045	757,421	29,457,485	31,901,205	-	-	62,116,112
2046	764,533	28,045,271	30,118,085	-	-	58,927,889
2047	771,831	26,608,326	27,686,552	-	-	55,066,709
2048	551,739	25,119,674	26,292,857	-	-	51,964,269
2049	369,499	23,631,021	24,850,004	-	-	48,850,523
2050	121,047	22,142,368	23,429,678	-	-	45,693,094
2051	-	20,600,947	21,964,596	-	-	42,565,543
2052	-	19,059,526	20,443,892	-	-	39,503,419
2053	-	17,518,106	18,953,418	-	-	36,471,523
2054	-	15,922,865	17,422,249	-	-	33,345,113
2055	-	14,327,624	15,847,105	-	-	30,174,729
2056	-	12,732,384	14,209,990	-	-	26,942,374
2057	-	11,137,143	12,537,421	-	-	23,674,563
2058	-	9,541,902	10,846,767	-	-	20,388,670
2059	-	7,946,662	9,142,487	-	-	17,089,148
2060	-	6,351,421	7,441,636	-	-	13,793,057
2061	-	4,756,180	5,670,514	-	-	10,426,694
2062	-	3,160,940	3,829,341	-	-	6,990,281
2063	-	1,565,699	1,926,415	-	-	3,492,114
	242,531,282	624,471,143	753,527,345	-	-	1,620,529,771

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Drinking Water - Equity Fund

FYE	Beginning Balance	Transfers (to)/from Revenue Fund	Interest Earnings @ 0.00%	Future Direct Loan Funding (Pledged)	Future 10-Year No Interest Loan Funding	Future 20-Year No Interest Loan Funding	(1) Net Available Cap Grants & State Match	Ending Balance
2023	74,671,466	14,172,112	-	(103,133,818)	-	-	15,290,240	1,000,000
2024	1,000,000	16,701,203	-	(33,579,942)	-	-	16,878,739	1,000,000
2025	1,000,000	23,705,908	-	(45,002,865)	-	-	21,296,958	1,000,000
2026	1,000,000	24,898,577	-	(24,898,577)	-	-	-	1,000,000
2027	1,000,000	25,776,784	-	(25,776,784)	-	-	-	1,000,000
2028	1,000,000	25,374,324	-	(25,374,324)	-	-	-	1,000,000
2029	1,000,000	25,277,893	-	(25,277,893)	-	-	-	1,000,000
2030	1,000,000	26,237,546	-	(26,237,546)	-	-	-	1,000,000
2031	1,000,000	25,715,995	-	(25,715,995)	-	-	-	1,000,000
2032	1,000,000	25,526,832	-	(25,526,832)	-	-	-	1,000,000
2033	1,000,000	26,259,948	-	(26,259,948)	-	-	-	1,000,000
2034	1,000,000	27,293,108	-	(27,293,108)	-	-	-	1,000,000
2035	1,000,000	27,884,188	-	(27,884,188)	-	-	-	1,000,000
2036	1,000,000	28,185,667	-	(28,185,667)	-	-	-	1,000,000
2037	1,000,000	28,412,860	-	(28,412,860)	-	-	-	1,000,000
2038	1,000,000	28,355,666	-	(28,355,666)	-	-	-	1,000,000
2039	1,000,000	29,527,210	-	(29,527,210)	-	-	-	1,000,000
2040	1,000,000	30,695,053	-	(30,695,053)	-	-	-	1,000,000
2041	1,000,000	31,724,568	-	(31,724,568)	-	-	-	1,000,000
2042	1,000,000	32,116,156	-	(32,116,156)	-	-	-	1,000,000
2043	1,000,000	30,428,942	-	-	-	-	-	31,428,942
2044	31,428,942	31,454,300	-	-	-	-	-	62,883,242
2045	62,883,242	25,732,095	-	-	-	-	-	88,615,337
2046	88,615,337	24,235,208	-	-	-	-	-	112,850,545
2047	112,850,545	22,106,000	-	-	-	-	-	134,956,545
2048	134,956,545	20,618,384	-	-	-	-	-	155,574,929
2049	155,574,929	19,519,463	-	-	-	-	-	175,294,392
2050	175,294,392	18,176,857	-	-	-	-	-	193,471,250
2051	193,471,250	16,949,056	-	-	-	-	-	210,420,306
2052	210,420,306	15,786,681	-	-	-	-	-	226,206,986
2053	226,206,986	14,654,534	-	-	-	-	-	240,861,520
2054	240,861,520	13,514,832	-	-	-	-	-	254,376,352
2055	254,376,352	12,331,155	-	-	-	-	-	266,707,507
2056	266,707,507	11,085,507	-	-	-	-	-	277,793,014
2057	277,793,014	9,804,404	-	-	-	-	-	287,597,417
2058	287,597,417	8,505,217	-	-	-	-	-	296,102,634
2059	296,102,634	7,192,403	-	-	-	-	-	303,295,037
2060	303,295,037	5,883,019	-	-	-	-	-	309,178,056
2061	309,178,056	4,503,363	-	-	-	-	-	313,681,419
2062	313,681,419	3,053,657	-	-	-	-	-	316,735,076
2063	316,735,076	1,542,197	-	-	-	-	-	318,277,274
	841,118,872	-	-	(650,979,001)	-	-	53,465,936	

(1) Available Cap Grants are net of 4% Admin funds.

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Drinking Water - Existing Loans (Net of Admin Fees)

FYE	Total Pledged & Non-Pledged Loans:		Other Loans:		Total Drinking Water Loans:		
	Principal	Interest	Principal	Interest	Principal	Interest	Total P&I
2023	12,514,346	1,677,766	-	-	12,514,346	1,677,766	14,172,112
2024	14,679,587	2,068,665	-	-	14,679,587	2,068,665	16,768,232
2025	16,587,387	2,289,650	-	-	16,587,387	2,289,650	18,877,036
2026	16,338,289	2,106,948	-	-	16,338,289	2,106,948	18,445,237
2027	15,361,478	1,931,016	-	-	15,361,478	1,931,016	17,292,494
2028	14,054,069	1,758,780	-	-	14,054,069	1,758,780	15,812,850
2029	13,003,096	1,601,068	-	-	13,003,096	1,601,068	14,604,164
2030	12,966,808	1,457,361	-	-	12,966,808	1,457,361	14,424,169
2031	11,469,631	1,312,317	-	-	11,469,631	1,312,317	12,781,946
2032	10,266,048	1,171,925	-	-	10,266,048	1,171,925	11,437,973
2033	9,954,461	1,039,778	-	-	9,954,461	1,039,778	10,994,239
2034	9,963,123	909,398	-	-	9,963,123	909,398	10,874,520
2035	9,483,726	777,600	-	-	9,483,726	777,600	10,263,326
2036	8,658,426	650,092	-	-	8,658,426	650,092	9,308,518
2037	7,713,646	535,535	-	-	7,713,646	535,535	8,249,181
2038	6,449,862	438,849	-	-	6,449,862	438,849	6,888,711
2039	6,387,061	361,409	-	-	6,387,061	361,409	6,748,470
2040	6,301,758	284,084	-	-	6,301,758	284,084	6,585,842
2041	6,005,678	209,002	-	-	6,005,678	209,002	6,214,680
2042	5,002,768	135,262	-	-	5,002,768	135,262	5,138,030
2043	1,834,576	86,597	-	-	1,834,576	86,597	1,921,173
2044	1,325,279	66,990	-	-	1,325,279	66,990	1,392,269
2045	706,623	30,798	-	-	706,623	30,798	737,421
2046	725,051	39,482	-	-	725,051	39,482	764,533
2047	743,970	27,860	-	-	743,970	27,860	771,831
2048	535,686	16,053	-	-	535,686	16,053	551,739
2049	361,673	7,825	-	-	361,673	7,825	369,499
2050	119,316	1,731	-	-	119,316	1,731	121,047
2051	-	-	-	-	-	-	-
2052	-	-	-	-	-	-	-
2053	-	-	-	-	-	-	-
2054	-	-	-	-	-	-	-
2055	-	-	-	-	-	-	-
2056	-	-	-	-	-	-	-
2057	-	-	-	-	-	-	-
2058	-	-	-	-	-	-	-
2059	-	-	-	-	-	-	-
2060	-	-	-	-	-	-	-
2061	-	-	-	-	-	-	-
2062	-	-	-	-	-	-	-
2063	-	-	-	-	-	-	-
2064	-	-	-	-	-	-	-
2065	-	-	-	-	-	-	-
2066	-	-	-	-	-	-	-
2067	-	-	-	-	-	-	-
2068	-	-	-	-	-	-	-
2069	-	-	-	-	-	-	-
2070	-	-	-	-	-	-	-
2071	-	-	-	-	-	-	-
2072	-	-	-	-	-	-	-
2073	-	-	-	-	-	-	-
2074	-	-	-	-	-	-	-
2075	-	-	-	-	-	-	-
2076	-	-	-	-	-	-	-
2077	-	-	-	-	-	-	-
2078	-	-	-	-	-	-	-
2079	-	-	-	-	-	-	-
2080	-	-	-	-	-	-	-
2081	-	-	-	-	-	-	-
2082	-	-	-	-	-	-	-
	219,517,444	23,013,839	-	-	219,517,444	23,013,839	242,531,282

Arkansas Development Finance Authority / Arkansas National
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Projected Drinking Water Debt Service

FYE	Existing Drinking Water Debt Service	Future Bond Debt Service	Total Drinking Water Debt Service
2023	-	-	-
2024	-	521,100	521,100
2025	-	2,247,598	2,247,598
2026	-	4,006,434	4,006,434
2027	-	5,873,406	5,873,406
2028	-	7,688,231	7,688,231
2029	-	9,503,055	9,503,055
2030	-	11,452,879	11,452,879
2031	-	13,352,628	13,352,628
2032	-	15,252,377	15,252,377
2033	-	17,287,126	17,287,126
2034	-	19,273,833	19,273,833
2035	-	21,260,540	21,260,540
2036	-	23,247,248	23,247,248
2037	-	25,233,955	25,233,955
2038	-	27,220,662	27,220,662
2039	-	29,207,370	29,207,370
2040	-	31,194,077	31,194,077
2041	-	33,180,784	33,180,784
2042	-	35,167,491	35,167,491
2043	-	37,134,199	37,134,199
2044	-	38,024,115	38,024,115
2045	-	36,384,017	36,384,017
2046	-	34,692,681	34,692,681
2047	-	32,960,709	32,960,709
2048	-	31,145,884	31,145,884
2049	-	29,331,060	29,331,060
2050	-	27,516,236	27,516,236
2051	-	25,616,487	25,616,487
2052	-	23,716,738	23,716,738
2053	-	21,816,989	21,816,989
2054	-	19,830,282	19,830,282
2055	-	17,843,574	17,843,574
2056	-	15,856,867	15,856,867
2057	-	13,870,160	13,870,160
2058	-	11,883,453	11,883,453
2059	-	9,896,745	9,896,745
2060	-	7,910,038	7,910,038
2061	-	5,923,331	5,923,331
2062	-	3,936,624	3,936,624
2063	-	1,949,916	1,949,916
	-	779,410,899	779,410,899

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Future Pledged Direct Loans Repayments

Issue Date	June-21	June-22	June-23	June-24	June-25	June-26	June-27	June-28	June-29	June-30	June-31	June-32	June-33	June-34	June-35	June-36	June-37	June-38	June-39	June-40	June-41	June-42	Total	
Amount	101,131,818	33,579,942	43,002,865	14,898,577	15,776,764	15,374,324	15,277,893	16,237,546	15,715,995	25,526,832	26,259,948	27,191,108	27,884,184	28,185,867	28,412,860	28,355,666	29,527,210	30,495,053	31,724,568	32,116,156			650,979,001	
Interest Rate	0.33%	0.58%	0.79%	1.10%	1.10%	1.10%	1.43%	1.43%	1.43%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%		
Interest Start date	12/01/23	12/01/24	12/01/25	12/01/26	12/01/27	12/01/28	12/01/29	12/01/30	12/01/31	12/01/32	12/01/33	12/01/34	12/01/35	12/01/36	12/01/37	12/01/38	12/01/39	12/01/40	12/01/41	12/01/42				
Principal Periods	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
Final Maturity Date	06/01/44	06/01/45	06/01/46	06/01/47	06/01/48	06/01/49	06/01/50	06/01/51	06/01/52	06/01/53	06/01/54	06/01/55	06/01/56	06/01/57	06/01/58	06/01/59	06/01/60	06/01/61	06/01/62	06/01/63				
06/01/23	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
06/01/24	360,968	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	360,968	
06/01/25	5,348,296	194,764	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5,543,060	
06/01/26	5,348,296	1,783,120	337,521	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,468,938	
06/01/27	5,348,296	1,783,120	2,431,533	275,884	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,836,834	
06/01/28	5,348,296	1,783,120	2,431,533	1,393,695	283,545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	13,240,189	
06/01/29	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	279,118	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,678,615	
06/01/30	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	366,529	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	14,186,353	
06/01/31	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	380,444	-	-	-	-	-	-	-	-	-	-	-	-	-	-	15,665,330	
06/01/32	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	372,882	-	-	-	-	-	-	-	-	-	-	-	-	-	17,178,491	
06/01/33	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	459,483	-	-	-	-	-	-	-	-	-	-	-	-	18,755,567	
06/01/34	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	472,679	-	-	-	-	-	-	-	-	-	-	-	20,299,932	
06/01/35	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	491,226	-	-	-	-	-	-	-	-	-	-	21,893,672	
06/01/36	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	501,915	-	-	-	-	-	-	-	-	-	23,541,427	
06/01/37	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	507,342	-	-	-	-	-	-	-	-	25,239,423	
06/01/38	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	511,431	-	-	-	-	-	-	-	26,974,145	
06/01/39	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	510,402	-	-	-	-	-	-	28,673,417	
06/01/40	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	531,490	-	-	-	-	-	30,339,355	
06/01/41	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	531,511	-	-	-	-	31,131,499	
06/01/42	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	571,042	-	-	-	33,991,203	
06/01/43	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	578,091	-	-	35,901,178	
06/01/44	5,348,296	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	578,401	-	37,849,501	
06/01/45	-	1,783,120	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,901,205	-	39,801,205	
06/01/46	-	-	2,431,533	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	30,118,085		
06/01/47	-	-	-	1,393,695	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	27,686,552		
06/01/48	-	-	-	-	1,442,833	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	26,292,857		
06/01/49	-	-	-	-	-	1,430,325	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	24,830,004		
06/01/50	-	-	-	-	-	-	1,465,083	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	23,429,678		
06/01/51	-	-	-	-	-	-	-	1,520,703	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	21,964,596		
06/01/52	-	-	-	-	-	-	-	-	1,490,475	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	20,445,892		
06/01/53	-	-	-	-	-	-	-	-	-	1,531,169	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	18,935,418		
06/01/54	-	-	-	-	-	-	-	-	-	-	1,575,143	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	17,422,249		
06/01/55	-	-	-	-	-	-	-	-	-	-	-	1,637,115	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	15,847,105		
06/01/56	-	-	-	-	-	-	-	-	-	-	-	-	1,672,570	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	14,309,990		
06/01/57	-	-	-	-	-	-	-	-	-	-	-	-	-	1,690,635	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	12,537,421		
06/01/58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,704,281	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	10,846,767	
06/01/59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,700,830	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	9,142,487	
06/01/60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,771,123	1,841,173	1,902,936	1,926,415	1,926,415	7,441,636	
06/01/61	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,841,173	1,902,936	1,926,415	1,926,415	5,670,514	
06/01/62	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,902,936	1,926,415	1,926,415	3,829,341	
06/01/63	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,926,415	1,926,415	1,926,415	
	107,326,885	35,857,167	48,968,186	28,147,794	29,140,605	28,685,625	29,668,183	30,794,510	30,182,375	31,082,864	31,975,546	33,233,577	33,953,308	34,320,406	34,597,048	34,527,406	35,953,941	37,375,971	38,629,565	39,106,383			753,527,345	

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2022 Drinking Water SRF Capacity Analysis
Scenario - 30.00% Subsidy

Future Leveraged Loans: Repayments (i.e. Bond Funded)

		(1)																				Total
Issue Date:	Jan-21	Jan-24	Jan-25	Jan-26	Jan-27	Jan-28	Jan-29	Jan-30	Jan-31	Jan-32	Jan-33	Jan-34	Jan-35	Jan-36	Jan-37	Jan-38	Jan-39	Jan-40	Jan-41	Jan-42		
Pay Amount:	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,595,000	26,102,500	531,407,500	
Interest Rate:	0.35%	0.58%	0.75%	1.10%	1.10%	1.10%	1.45%	1.45%	1.45%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%	1.80%		
Interest Start:	12/01/23	12/01/24	12/01/25	12/01/26	12/01/27	12/01/28	12/01/29	12/01/30	12/01/31	12/01/32	12/01/33	12/01/34	12/01/35	12/01/36	12/01/37	12/01/38	12/01/39	12/01/40	12/01/41	12/01/42		
Term:	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
Principal Start:	06/01/25	06/01/26	06/01/27	06/01/28	06/01/29	06/01/30	06/01/31	06/01/32	06/01/33	06/01/34	06/01/35	06/01/36	06/01/37	06/01/38	06/01/39	06/01/40	06/01/41	06/01/42	06/01/43	06/01/44		
Final Maturity:	05/01/44	05/01/45	05/01/46	05/01/47	05/01/48	05/01/49	05/01/50	05/01/51	05/01/52	05/01/53	05/01/54	05/01/55	05/01/56	05/01/57	05/01/58	05/01/59	06/01/60	06/01/61	06/01/62	06/01/63		
FYE	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	P&I	Total	
2023	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
2024	93,083	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	93,083	
2025	1,379,159	154,251	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,533,410	
2026	1,379,159	1,412,215	199,463	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,990,836	
2027	1,379,159	1,412,215	1,436,945	292,545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,520,863	
2028	1,379,159	1,412,215	1,436,945	1,488,653	292,545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,009,516	
2029	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	292,545	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,498,168	
2030	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	385,628	-	-	-	-	-	-	-	-	-	-	-	-	-	9,079,903	
2031	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	385,628	-	-	-	-	-	-	-	-	-	-	-	-	10,621,324	
2032	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	385,628	-	-	-	-	-	-	-	-	-	-	-	12,162,745	
2033	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	478,710	-	-	-	-	-	-	-	-	-	-	13,797,249	
2034	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	478,710	-	-	-	-	-	-	-	-	-	15,392,489	
2035	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	478,710	-	-	-	-	-	-	-	-	16,987,730	
2036	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	478,710	-	-	-	-	-	-	-	18,582,971	
2037	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	478,710	-	-	-	-	-	-	20,178,211	
2038	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	478,710	-	-	-	-	-	21,773,452	
2039	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	478,710	-	-	-	-	23,368,693	
2040	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	478,710	-	-	-	24,963,933	
2041	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	478,710	-	-	26,559,174	
2042	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	478,710	28,154,414	
2043	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	29,749,790	
2044	1,379,159	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	30,836,644	
2045	-	1,412,215	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	29,457,485	
2046	-	-	1,436,945	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	28,045,271	
2047	-	-	-	1,488,653	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	26,636,326	
2048	-	-	-	-	1,488,653	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	25,197,674	
2049	-	-	-	-	-	1,488,653	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	23,631,023	
2050	-	-	-	-	-	-	1,541,421	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	22,142,368	
2051	-	-	-	-	-	-	-	1,541,421	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	20,600,947	
2052	-	-	-	-	-	-	-	-	1,541,421	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	19,059,526	
2053	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	17,518,106	
2054	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	15,922,865	
2055	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	14,327,624	
2056	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	12,732,384	
2057	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	11,137,143	
2058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	9,541,902	
2059	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	1,595,241	7,946,662	
2060	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	1,595,241	6,351,421	
2061	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	1,595,241	4,756,180	
2062	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,595,241	1,595,241	3,160,940	
2063	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,565,699	1,565,699	
27,616,261	28,398,541	28,938,356	30,065,597	30,065,597	30,065,597	30,065,597	31,214,047	31,214,047	31,214,047	32,383,523	32,383,523	32,383,523	32,383,523	32,383,523	32,383,523	32,383,523	32,383,523	32,383,523	32,383,523	31,783,828	624,471,143	

Future Bonds Debt Service

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VIII. Appendix C (Arkansas Department of Health)

**ARKANSAS DEPARTMENT OF HEALTH
Center for Local Public Health
Environmental Health Branch
Engineering Section**



**ANNUAL DWSRF REPORT
STATE FISCAL YEAR 2022
(JULY 1, 2021 through JUNE 30, 2022)**

SEPTEMBER 2022

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A. INTRODUCTION

The Arkansas Department of Health (ADH), Engineering Section (Engineering) is the primacy agency for administering the provisions of the Federal Safe Drinking Water Act (SDWA) in the State of Arkansas. Engineering is responsible for administering the State Public Water Supply Supervision Program within the ADH.

The Drinking Water State Revolving Fund (DWSRF) program came about as a part of the 1996 Amendments to the SDWA. The Arkansas Natural Resources Commission (ANRC) , now the Arkansas Department of Agriculture, Natural Resource Division, and the ADH signed an Interagency Memorandum of Agreement (MOA) on administration of the DWSRF grant. Under this MOA, the ANRC administers the Loan Fund and the Administrative (4%) set-aside portions of the DWSRF. ADH Engineering administers the State Program Management (10%), Small System Technical Assistance (2%), and Local Assistance & Other State Programs (15%) set-asides portions of the DWSRF.

The purpose of this document is to present program activity progress and expenditures during State Fiscal Year 2022. A table is included in Appendix A which shows expenditures by set-aside and grant year. One notable departure from standard federal character definitions is that the federal definition of Equipment includes purchases of equipment which exceed \$5,000.00 and the state definition includes purchases which exceed \$2,500.00. The state definition is used in this report for identifying equipment.

B. II. STATE PROGRAM MANAGEMENT SET-ASIDE

Section 1452(g)(2) authorizes the State to use up to 10% of its capitalization grant in the form of the State Program Management Set-Aside (SPM) for implementing drinking water program related activities. Engineering requested the full amount of State Program Management Set-Aside funds in its SRF-07, SRF-08, SRF-13, SRF-14, SRF-15, SRF-16 and SRF-17 work plans and a portion of the State Program Management Set-Aside in the SRF-09, SRF-10, SRF-12, SRF-18, SRF-19, SRF-20 and SRF-21 work plans. The summary table in Attachment A shows expenditures during SFY 22.

Prior to 2018 Engineering was required to provide a dollar-for-dollar match for this set-aside in order to use these funds. The Water Infrastructure Improvement Act (WIIN) of 2016, P.L 144-322 eliminated the State match requirement for this set-aside.

Expenditures from this set-aside include such items as office equipment and supplies, major laboratory equipment purchases, contract laboratory services, staff salaries and fringe, training and travel, PCs, and upgrades to the Section's LAN system.

The Goals and Objectives, Proposed Outputs and Deliverables as outlined in the work plan and the SFY22 Outputs applied to the State Program Management Set-Aside category are summarized below:

Sub-Element/Category: Assistance to Public Water System Supervision (PWSS) Goal:
Provide PWSS programs that will bring PWSs into or keep them in compliance.

OBJECTIVE 1: Provide public water system supervision to ensure compliance with the SDWA .	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1452(g)(2)(A)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Provide administrative support for ADH staff to supervise PWSs such as maintaining files, developing standard operating procedures and/or guidance, travel coordination, and other administrative tasks to maintain primacy delegation and meet reporting requirements of SDWA.	ADH	On-going
2. Perform Sanitary Surveys and prepare reports of sanitary and regulatory deficiencies. Respond to regulatory needs and deficiencies as needed.	ADH, PWS	On-going
3. Implement new and enforce existing EPA and ADH Water Regulations.	ADH	On-going
4. Provide technical assistance and training to water operators for existing and upcoming regulations	ADH, PWS	As Needed
5. Review compliance data for compliance with state and federal drinking water regulations. Identify violations and notify PWSs of all violations.	ADH	On-going
6. Review of plans and specifications as required under State regulations	ADH	On-going
7. Administer EPA grants and track/facilitate expenditures.	ADH	On-going
8. Acquire laboratory equipment, as needed, to replace existing instruments that are approaching the end of their service life and to allow increased productivity of drinking water analysis in order to provide capacity for analysis of new analytes in the current and future UCMR rules, AWOP activities, pre-rule investigative monitoring, source water monitoring, etc.	ADH	On-going
9. Upgrade to the most current versions of SWDIS/State, FedRep, Lab to State and XML Sampling. Maintain and update other miscellaneous databases: such as Operator Certification, Bacteriological Sample tracking, Sanitary Survey Tracking, etc.	ADH	On-going
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

Outputs¹ – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 22 Outputs
Programmatic	Maintenance of state primacy delegation.	ADH retains primacy.	Primacy has been maintained
	Staff to administer EPA grants and track/facilitate expenditures and ACH reimbursements.	Document and track grant expenditures	See Appendix A
	Meeting EPA reporting requirements under the SDWA.	Document and track PWS compliance and enforcement actions	The following enforcement actions were taken and tracked: Violations Determined – 739 and PN's requested – 596, PN verifications received 207, WAOs – 24; AOs – 13, COs – 13
	Conversion of Engineering's legacy data systems to SDWIS/State. These databases will include: Water Operator Certification tracking, Bacteriological Monitoring Bottle Mailings, Sanitary Survey tracking, Boil Water Order Notification tracking, and SWAP applications.	SDWIS/Fed reporting of all Inventory, Violations, Enforcement, Monitoring and Milestone data within 45 days of end of each quarter	SDWIS / Fed reporting completed quarterly as required. Deadlines for submittal: 8/16/21, 11/15/21, 2/15/22, 5/21/22. Dates submitted: 8/16/21, 11/09/21, 2/11/22, 5/10/22. All SDWIS products are using the latest SDWIS State release as of July 2019. Use of legacy ARKPWS97 is diminishing as use of the SDWIS tables increase. ARKPWS97 is not used for compliance grading.
		All State reports required under the SDWA will be submitted and within the required timeframes.	Annual and miscellaneous reports were submitted as requested.
Environmental	Plan and specification reviews as required under the state regulations. Complete more than 90% of plan reviews within required timeframe (est. 200 plans)	Log and track an estimated 1400 plans and specifications annually	1,452 total plans received, logged, and tracked resulting in 3,142 total review assignments.
		Field Surveillance Staff - Review an estimated 200 plans and specifications	Field Surveillance Staff conducted 2,997 review assignments
		Technical Support Staff – Review an estimated 25 plans and specifications	Tech. Support Staff conducted 145 review assignments
	Conducting sanitary surveys and other inspections at PWSs	Complete more than 90% of sanitary surveys that are due in the scheduled year. (An estimated 100 surveys to be completed by Field Surveillance staff.)	196 Sanitary Surveys were completed by Field Surveillance staff. Travel was restricted during part of the year due to Covid-19.
		Complete more than 90% of sanitary surveys that are due in the scheduled year. (An estimated 50 surveys to be completed by Technical Support staff.)	21 Sanitary Surveys were completed by Technical Support Staff. Technical Support Staff also participated in four Quarterly AWOP meetings.
		Other Inspections / Investigations at PWSs	Field Surveillance & Technical Staff provided direct one-on-one technical assistance for a total of > 1,819 hours.

Environmental	Pre-planning for and implementation of new regulations associated with the SDWA.	New EPA/SDWA regulations will be implemented within the prescribed timeframes.	<p>All new rules / requirements are implemented on schedule and generally ahead of schedule.</p> <ul style="list-style-type: none"> • LT2 Bin 2 compliance is being monitored monthly for 7 PWS's. Each Bin 2 System (4 large and 3 small) is obtaining 1.0-log of credit by documenting filtration performance in their combined and individual filters. • Stage 2 DBP – 16 monitoring plans completed / approved, letters advising systems of DPB results sent to PWSs – 3,620 Stage 1 & Stage 2 compliance status letters. • A total of 49 OEL exceedance notifications were issued and 44 OEL reports were reviewed.
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Environmental	Training and technical assistance for water system operators and managers specific to new/upcoming SDWA requirements. Assistance will be provided in classroom and one-on-one settings, as well as by mail-outs.	ADH sponsored water operator training for new/upcoming SDWA regulations.	Field Surveillance & Technical Staff provided direct one-on-one technical assistance to water operators for a total of 3,074 hours.
	Technical assistance to water operators.	Provide technical assistance to operators	Combined Man-hours of Technical Assistance, Complaint Investigation; and Operator Training: Field Surveillance Staff > 10,000 man-hours.
		Document technical assistance and ADH sponsored training sessions (est. 26 training session per year)	Twelve mandatory compliance schools were offered, however two were cancelled due to Covid-19. Thirty exam sessions were conducted and one was scheduled but cancelled due to Covid-19, plus on-demand computer-based exam capability was offered.
		Oversight and coordination of an estimated two (2) fluoride schools/year	No new fluoride start-up inspections or schools were necessary to be conducted during this period. We provided technical assistance to six water systems to discuss issues pertaining to their fluoridation systems.

¹"The term "Output" means an environmental activity, effort and/or associated work products related to an environmental goal or objective, what will be produced or provided over a period of time or by a specified date. Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period." EPA Order Classification No.: 5700.7

Outcomes/Environmental results – to be documented in Annual Reports:

Outcome Type	Quantitative Description of Outcome	SFY22
Programmatic	ADH retains primacy of SDWA and completes all required reports	Primacy maintained and all required reports were completed.
Environmental	85% ² of the community PWSs in the State will meet all applicable health-based drinking water standards.	98.8% of Community Water Systems met all health-based standards during SFY22.
Programmatic	Maintain certified operators at 95% of community PWSs.	96% of Community PWSs maintained operator certification during SFY22.

¹The term "outcome" means the result, effect or consequence that will occur from carrying out an environmental program or activity that is related to an environmental or programmatic goal or objective. Outcomes may be environmental, behavioral, health-related or programmatic in nature, must be quantitative, and may not necessarily be achievable within an assistance agreement funding period." EPA Order Classification No.: 5700.7

²The number of active community water systems at time of submittal is 693.

1. SUMMARY

As can be seen from the activities and measurables reported in this section, substantial progress was made in the State's drinking water program. The activities conducted using the SPM set-aside funds are an integral part of the State's overall drinking water Public Water System Supervision Program. Thanks in part to the SPM set-aside funds, the Engineering Section was effectively implementing all required state and federal regulations promulgated to date and has been successful in retaining its Primacy status with EPA.

III. SMALL SYSTEM TECHNICAL ASSISTANCE

Section 1452(g)(2) allows the State to use up to 2% of its capitalization grant for implementing technical assistance activities of Section 1442(e). Engineering requested the full amount of Small System Technical Assistance (SSTA) Set-Aside funds in its SRF-07 work plan. Engineering reserved or banked 2% of the funds from the ARRA, SRF-08, SRF-09, SRF-10, SRF-11, SRF-12, SRF-13, SRF-14, SRF-15, SRF-16, & SRF-18, SRF-19, SRF-20 capitalization grants for future use. Engineering reclaimed a total of \$308,820 from SSTA banked funds for use during SFY17 (i.e. \$38,701, \$212,390, \$29,452 and \$28,277 from the DWSRF 98, 99, 01 and 02 Capitalization Grants, respectively). In reclaiming these funds all the SSTA reserved funds for these Capitalization Grants were zeroed or closed out. Additionally, the SRF-07 funds were fully expended during SFY13. For the balance of SFY13, funding for the SSTA contracts was transferred to the Local Assistance – Capacity Development set-aside.

Technical assistance will be accomplished through contract services. As required under State procedures, Requests for Proposals were prepared to solicit interested contractors to provide the necessary assistance under the oversight of Engineering.

Two technical assistance contracts, both which included provisions for six one-year extensions, were put into place for SFY22. These contracts became effective on July 1, 2018. The technical assistance contracts were funded for evaluating and improving the “capacity development” adequacy of some small water systems using these set-aside funds. One contract, aimed at Technical and Operational aspects, was awarded to the Arkansas Rural Water Association. The second contract, aimed at Financial and Managerial aspects, was awarded to Communities Unlimited. Both contracts operate in the same manner. The contracts are implemented in a “circuit rider” format with on-site visits to assess individual water system needs, provide corrective action plans addressing identified deficiencies, and provide technical assistance in correcting these deficiencies. The Contractor is given a prioritized list of water systems to visit. The Contractor visits systems to improve their financial and managerial capacity by assisting with rate studies, budget analysis, board member training, asset management training, long range plans, and emergency response plans. The Contractor also provides on-site technical assistance to water operators to improve the technical and operational capacity of water systems based on assessments provided by the State.

The Goals and Objectives, Proposed Outputs and Deliverables as outlined in the work plan and the SFY22 Outputs applied to the Small System Technical Assistance Set-Aside category are summarized below:

Sub-Element/Category: Small Systems Technical Assistance

Goal: Provide technical assistance to small water systems to improve system capacity for compliance with drinking water regulations

OBJECTIVE 1: To provide assistance to enable small water systems serving a population <10,000 to achieve and maintain compliance with the Safe Drinking Water Act (SDWA) and State Drinking Water Regulations, work on specific water systems with the Capacity Development Program and produce high-quality drinking water for the long term.	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1452(g)(2)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Assistance and training to PWSs with completed capacity assessments that were identified as requiring capacity assistance.	ADH, PWS, Contractors	As Needed
2. Assistance and training to PWSs identified by the ETT.	ADH, PWS, Contractors	As Needed
3. Assistance and training to PWSs to bring about regionalization.	ADH, PWS, Contractors	On-going
4. Assistance and training to PWSs with obtaining a certified operator.	ADH, PWS, Contractors	On-going
5. Board member training to PWS water boards and city councils.	ADH, Contractors	On-going

6. Complete Comprehensive Performance Evaluations on surface water systems that are unable to meet the requirements of the surface water treatment rules, the requirements of the disinfection by-product rules, or request assistance with optimization.	ADH, Contractors	On-going
7. Provide monthly reports to Engineering containing the names of PWSs assisted and the type and quantity of assistance provided.	Contractors	Monthly
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

OBJECTIVE 2: To insure adequate capacity development at each water system for the future.		Administering Agency: ADH	Task Performing Agency: ADH SDWA Citation: 1452(g)(2)
Activities (Outputs)		Collaborators	Schedule for Completing Activities - Rate of Completion
1. Perform assessment of each new potential water system to determine if it meets technical, managerial, and financial (TMF) capacity.		ADH, PWS	On-going
2. Perform a TMF assessment of each existing community water system and non-transient non-community water system and rank them based on their TMF assessment.		ADH	On-going
3. Provided assistance to PWSs to improve their TMF capacity. Priority will be given to the systems with the most need.		ADH, Contractors	On-going
4. Track PWSS Progress towards meeting TMF capacity.		ADH	On-going
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.			

Outputs¹ – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 22 Outputs
Environmental	Assess individual water system needs, provide corrective action plans addressing identified deficiencies, and provide technical assistance in correcting these deficiencies; systems that are chronic violators and/or have other demonstrated problems	A corrective action plan will be developed with appropriate milestones and delivered to the water system for consideration and implementation. (Reportables include names of systems contacted & number of on-site visits made, assessment reports completed, strategies developed, man-hours on-site technical assistance rendered, participation in CPEs, and the status of systems following through in implementing the corrective action plans.)	<p>The Contractor submitted statements and reports each month detailing man-hours claimed to the Section along with requests for payment based upon the contract unit prices. During SFY22 the contractors contributed the following:</p> <p>Financial & Managerial (F&M) Total Hours – 1162 Technical & Operational (T&O) Total Hours – 674.75 Details below.</p> <ul style="list-style-type: none"> On-site Technical Assistance (man-hours) F&M – 32.25 T&O – 479.75 Technical Assistance Office Hours F&M – 1088.5 T&O – 50.25 Travel Hours F&M – 41.25 T&O – 144.75

¹The term "Output" means an environmental activity, effort and/or associated work products related to an environmental goal or objective, what will be produced or provided over a period of time or by a specified date. Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period." EPA Order Classification No.: 5700.7

Outcomes/Environmental results – to be documented in Annual Reports:

Outcome Type	Quantitative Description of Outcome	SFY22
Environmental	Improve TMF capacity.	ADH had 2 contracts in place with TA providers to assist small water systems with improving TMF capacity through technical assistance.

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NOTE: Activities under Objective 1 in the SSTA Set-aside work plan and Objective 2 in the Capacity Development Set-aside work plan are dual listed under the Small System Technical Assistance and the Capacity Development Strategy sections of this report. See both section III and IV.2 of this report for a reporting of outputs.

IV. LOCAL ASSISTANCE AND OTHER STATE PROGRAMS SET-ASIDE

Section 1452(k) allows the State to use up to 15% of its capitalization grant for implementing activities under this set-aside. The State plans to use the funds in two primary program areas: Wellhead Protection (WHP) Program implementation (1452(k)(D)) and Capacity Development Strategy assistance (1452(k)(B)). The State requested the full amount of the Local Assistance and Other State Programs Set-Aside (Wellhead Protection Program & Capacity Development) funds in the EPA approved work plans for SRF07, SRF08, SRF09, SRF10, SRF13, SRF 14, SRF 15, SRF 16, SRF 17, SRF 18, SRF 19, and SRF 20. The State did not elect to take any set-aside funds for the Wellhead Protection Program in the SRF11 or SRF12 work plan, however, did request 10% for Capacity Development in each of these work plans. The table in Attachment A shows the expenditures for SFY22.

1. Wellhead Protection Program Implementation

Wellhead Protection program activities implemented benefited the State's Community Water Supply systems by moving them closer to having a substantially implemented Source Water Protection program as defined by the Arkansas Department of Health.

Sub-Element/Category: Wellhead Protection Program

Goal: Promote and continue to implement wellhead protection program efforts

OBJECTIVE 1: Obtain meaningful information on groundwater aquifer characteristics and vulnerabilities and maintain a well operated GIS data system.	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1428 & 1452(k)(1)(D)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Collection and updating of GIS field data for PWSs.	ADH, PWS	On-going
2. Obtain or develop electronic data for improving the GIS system and Source Water Assessment Model, to include ground truthing of PSOCs and collect raw water data for use in determining the "B" factor used in the determination of Source Water Susceptibility.	ADH, PWS & Contractors	On-going
3. Maintain and update the Source Water Assessment Model for providing up to date meaningful protection area reports	ADH	On-going
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

OBJECTIVE 2: Delineate wellhead protection areas and provide public outreach regarding wellhead and groundwater protection efforts.	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1428 & 1452(k)(1)(D)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Provide technical assistance to PWSs development of wellhead protection programs.	ADH, PWS	As Needed
2. Conduct public outreach activities and training sessions to promote wellhead and groundwater protection.	ADH, PWS	As Needed
3. Delineation of wellhead protection areas for new wells and refinement/updates for existing wells.	ADH	On-going
4. Review of proposed point and non-point discharge permit applications for impacts on PWS sources.	ADH	On-going
5. Maintain files and ensure organized approach to source water protection efforts	ADH	On-going
6. Monitoring and review of new wells and vulnerable existing wells for Ground Water Under Direct Influence of surface water	ADH	As Needed

7. Review new well construction siting and construction proposals and provide recommendations on site and drilling, casing and grout depth.	ADH	As Needed
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

Outputs¹ – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 22 Outputs
Environmental	Technical assistance to PWSs in public outreach efforts and assistance to the PWS in drafting needed documents, such as ordinances and emergency plans, as requested	Formal and informal technical assistance activities targeted towards ground water protection efforts, as needed or requested.	WHPP staff provided technical assistance activities on approximately 288 occasions. Such activities include: direct one-on-one assistance, public and individual outreach activities, mailing of information and reports as requested.
		<ul style="list-style-type: none"> Assistance, as requested, to PWSs in well siting, aquifer identification, and recommended construction features. Estimate: well siting ~ 5 events/year construction recommendations (casing and grout depth, drill cuttings analysis, other) ~ 5 events/year wellhead deficiency surveys ~ 10 events/year 	WHPP staff provided recommendations on construction of twelve wells. Recommendations include aquifer determination, construction depth, casing and grouting depths, etc. Additionally, multiple wells were evaluated for aquifer identification for the new SWAP model.
Environmental	WHP protection area delineations for new wells and refinement/update of previous delineations	The ADH staff will delineate 20 wellhead protection areas for new or existing sources (number includes revised delineations where new or better data has become available).	Eight WHPAs were delineated for 6 PWSs and 6 Phase 1 Reports for 8 wells were completed and mailed. The stratigraphic, casing & grout adequacy, rock type weights, and recharge areas were updated for all well sources for inclusion in SWAP model (version 2). Approximately 350 evaluations completed.
Environmental	Collection of field data (e.g.; PSOC locations, wellhead locations, well construction features, etc.) for input into the GIS system	The ADH staff will assist PWSs in conducting and/or updating 30 contaminant source surveys and complete Phase II WHP reports. An estimated 4 PSOC inventories will be conducted per year.	Three Phase 2 PSOC inventories were completed & mailed for 3 surface sources. Additionally, 34 maps were created.
Environmental	The ADH staff will assist all interested PWSs in preparing and implementing Source Water Protection Plans.	Provision of assistance to surface water systems in developing source water protection plans, upon request.	Created 22 PSOC maps for ARWA to use during field PSOC inventory collection for 3 PWS verifications. ARWA staff were trained to compile PSOC Inventory maps on 8 occasions (1 staff) PSOC inventory maps for ARWAs SWAP. Distributed 16 historical SWAP reports & 26 new reports for review by public water systems. 26 new Source Water Protection Plans were developed.
Programmatic	Conversion of GIS spatial data from USGS North American Datum 1927 (NAD27) to North American Datum 1983 as time permits		All major projects and data layers use the NAD 83 datum. This is consistent with the Arkansas State Land Board which is the state storehouse for GIS data.
Programmatic	A routinely updated and well-operated GIS system	Routine updates of the GIS system from the databases of other agencies on a monthly basis.	Official and unofficial data sharing agreements are in place with the Clean Water Act agency to obtain and share location data on an as needed basis. GeoStor, the Statewide GIS data storehouse is available, also on an as need basis.
Programmatic		Collect GPS and construction data on newly constructed wells (est. 5/year).	Three new wells were added to the inventory in SFY22. GPS locations were obtained for each. Gathered construction information during plan review process, sanitary surveys, and prep work for WHPA delineations. Estimate 33 updates,

			corrections, or additions were made in SFY22.
Programmatic	To review proposed point and non-point discharge permit applications to insure, as much as possible, that drinking water sources are protected and affected water systems are kept informed	To review and comment on approximately 1,000 proposed projects annually with point and non-point source discharges.	A total of 408 permits were reviewed and comments made to the permitting agency. A breakdown of permit reviews by permit type follows: NPDES – 150, Land Application – 22, No discharge – 15, Underground Injection Control– 9, Oklahoma NPDES permits – 4, USFS –18, Tech. Review Committee – 56, Oil & Gas permits – 114, ARDOT – 20, and Miscellaneous – 44. An additional 120+ proximity analyses were performed to

			protect drinking water sources from construction and industrial activities.
Programmatic	To provide a coordinated and organized approach to source water protection efforts in the State	The development of standard procedures for conducting hydrologic sensitivity assessments at ground water sources.	In cooperation with USGS, projects have been developed and agreed upon to enhance the SWAP model sensitivity assessments. These projects have updated the existing model to current GIS software and to incorporate new / updated GIS layers such as, land use land cover updates, improved soils and geology layers, add fracture coverage. However, no site-specific Ozark and Springfield aquifer geology has been supplied to date.

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Outcomes/Environmental results – to be documented in Annual Reports:

Outcome Type	Quantitative Description of Outcome	SFY22
Environmental	50% of community PWSs will have substantially implemented Source Water Protection programs.	431 community PWSs (63%) with a population of 2,050,577 (71.8%) of the State's population) have substantially implemented SWA programs under the State definition.
Environmental	95% of GWUDI evaluations will be conducted and an initial determination made within 30 days of the evaluation.	5 wells added to inventory and at least 3 determinations were made. One additional determinations is in progress.
Environmental	50 Source Water Protection Plans prepared or updated.	26 Source Water Protection Plans (new SWAP Reports) for 65 sources for groundwater systems have been developed.

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2. SUMMARY

The State’s Source Water Protection Program plan, as approved by EPA, has a stated two-fold purpose: 1) for the fulfillment of the wellhead protection requirements of the Safe Drinking Water Act; and 2) to provide another means to enhance the agency’s continuing efforts to protect public drinking water supply sources under the State’s Public Water Supply Supervision Program. Both goals were accomplished.

Source Water Protection Program staff consisting of 2 geologists and a GIS specialist produced Phase I Reports—delineation of sources--and Phase II Reports—potential sources of contamination (PSOC) inventories. Additionally, staff analyzed hydrologic conditions and provided technical assistance for location of well sites and sanitary construction of proposed new wells, and especially on updating all hydrogeologic inputs into the improved SWAP Reports. Staff provided technical assistance to the water systems as needed, and hydrologic analysis and technical assistance frequently requested by consultants, well drillers, and members of the public. Staff spent time engaged in interagency cooperation with other organizations and agencies interested in wellhead/source water protection, work groups, technical advisory committees at state and national level, updates to the water quality standards, Clean Water Act National Pollutant Discharge Elimination System (NPDES) and no-discharge permitting, Clean Water Act 319 program development, and providing Arkansas Rural Water Association with their PSOC inventory maps and related technical assistance.

Staff compile wellhead protection delineation reports by conducting field visits and verifying well construction and hydrogeologic data, calculating wellhead protection area radii and compiling GIS geodata bases for completion of maps. Staff compile source water protection potential source of contamination reports

by conducting field visits and verifying the location of PSOCs and mapping these inventories within the delineated WHPA and creating GIS geodatabases and ranking of identified risks. Staff work directly with public water systems to implement improved source water protection plans/programs and to meet Substantial Implementation status as defined by Arkansas. Eight PWS received personalized Drinking Water Protection signs. Additionally, revised Source Water Assessment Program Reports and maps for groundwater and surface water systems were completed and distributed.

2. Capacity Development Strategy Assistance

Capacity Development program activities implemented benefited the State's Community Water Supply systems by moving them closer to having adequate capacity or maintaining adequate capacity.

Sub-Element/Category: Capacity Development Program

Goal: Provide technical assistance to water systems to improve system capacity for compliance with drinking water regulations

OBJECTIVE 1: To provide assistance to enable small water systems serving a population <10,000 to achieve and maintain compliance with the Safe Drinking Water Act (SDWA) and State Drinking Water Regulations, work on specific water systems with the Capacity Development Program and produce high-quality drinking water for the long term.	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1452(g)(2)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Assistance and training to PWSs with completed capacity assessments that were identified as requiring capacity assistance.	ADH, PWS, Contractors	As Needed
2. Assistance and training to PWSs identified by the ETT.	ADH, PWS, Contractors	As Needed
3. Assistance and training to PWSs to bring about regionalization.	ADH, PWS, Contractors	On-going
4. Assistance and training to PWSs with obtaining a certified operator.	ADH, PWS, Contractors	On-going
5. Board member training to PWS water boards and city councils.	ADH, Contractors	On-going
6. Complete Comprehensive Performance Evaluations on surface water systems that are unable to meet the requirements of the surface water treatment rules, the requirements of the disinfection by-product rules, or request assistance with optimization.	ADH, Contractors	On-going
7. Provide monthly reports to Engineering containing the names of PWSs assisted and the type and quantity of assistance provided.	Contractors	Monthly
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

OBJECTIVE 2: Implement the Capacity Development Program to assist new and existing PWSs toward achieving and maintaining technical, managerial and financial (TMF) capacity.	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation : 1452(k)(1)(B)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Perform assessment of each new potential water system to determine if it meets technical, managerial, and financial (TMF) capacity.	ADH, PWS	On-going
2. Perform a TMF assessment of each existing community water system and non-transient non-community water system and rank them based on their TMF assessment.	ADH	On-going
3. Provided assistance to PWSs to improve their TMF capacity. Priority will be given to the systems with the most need.	ADH, Contractors	On-going

4. Track PWSS Progress towards meeting TMF capacity.	ADH	On-going
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

OBJECTIVE 3: Implement the Capacity Development Program to assist new and existing PWSs to meet the requirements of the SDWA and State Drinking Water Regulations at present and in the future.	Administering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation : 1452(k)(1)(B)
Activities (Outputs)	Collaborators	Schedule for Completing Activities - Rate of Completion
1. Draft CCRs for PWSs as requested. Ensure that all public water systems are provided with the technical assistance and training necessary to comply with the CCR regulations.	ADH, PWS	On-going
2. Provide necessary training for water operators seeking to obtain certification under the State's operator certification program and provide specialized training to further the skills of these and other operators.	ADH	On-going
3. Assist local PWSs in establishing cross connection control to help maintain the water quality in the PWS distribution mains.	ADH	On-going
4. Implement AWOP including the conducting of CPEs and PBT training sessions primarily for surface water systems that are unable to meet the requirements of the surface water treatment rules, the disinfection by-product rules, or for systems requesting assistance with optimization.	ADH	On-going
5. Provide assistance to systems with the non-routine investigative monitoring requirements of the LT2ESWTR using 1 st Round Credit.	ADH, Contractors	SFY 15-20
6. Provide systems a reliable overnight delivery service of bacteriological sample to the ADH laboratory.	ADH	On-going
Deliverable: Annual Reports to EPA (to include report on progress toward goals identified in the <i>Intended Use Plan</i> and an assessment of work plan activity achievements); EPA's Annual PWSS Program Evaluation.		

Outputs¹ – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 22 Outputs
Environmental	Provide on-site technical assistance and training to PWS operators.	Provide an estimated 2600 man-hours assistance.	<ul style="list-style-type: none"> Technical assistance and/or training concerning DBP issues were provided to 36 systems. A combination of 3,369 DBP letters and OEL notifications were mailed to water systems. ADH staff attend and present sessions at 2 3-day conferences. Twelve District Meetings were attended, as requested. ADH staff conducted twelve one day compliance training sessions. Three training sessions was held on cross-connection control policies and procedures. 5 BPAA meetings were attended.
Environmental	Conduct CCR training.	Conduct five (5) CCR training sessions for an anticipated 70 PWSs	Three training classes were held at District Meetings.
Environmental	Draft CCRs for PWSs as requested and provide direct assistance to PWSs developing their own.	Draft CCRs for an anticipated 693 PWSs; Assistance to PWSs drafting their own CCR on as needed basis.	656 out of 677 water systems distributed the 2021 CCRs to customers by July 1, 2022. (The certifications are not due until Oct. 1, 2022, so this number will increase.)

Programmatic	Review, evaluated, and comment, as appropriate, on all CCRs submitted to Engineering	Anticipate 693 systems will be received and reviewed.	CCR staff prepared and delivered 688 2021 CCRs to water systems in SFY2022 and evaluated and reviewed all distribution methods for systems who returned certifications before July 1, 2022.
Environmental	Maintain the current overall compliance with the CCR		656 of 677 water systems CCR certifications were received by Oct. 1, 2021. (96%)

Programmatic	Coordinate AWOP efforts	Provide one FTE to coordinate / conduct 1 CPE and Data Audits at four (4) systems.	<ul style="list-style-type: none"> – Ten staff contributed approximately 2.0 FTEs of time towards coordinating and conducting AWOP activities. – No CPEs or data audits were conducted during this period. – Six surface water systems were surveyed by AWOP staff. – AWOP staff participated in 4 AWOP meetings, – Chlorine dioxide laboratory equipment calibration checks were conducted at 2 systems. – Cross-connection surveys were conducted at 4 water systems.
Programmatic	Provide operator compliance training courses	Provide 12 operator certification courses operators or operators-in- training.	<ul style="list-style-type: none"> – Twelve mandatory compliance courses were conducted, with the pandemic affecting the number of courses scheduled for the year and one was cancelled.
Programmatic	Publish Quarterly Newsletter	Publish four (4) newsletters and distribute approximately 3600 per quarter	Three newsletters were published with over 3,700 mailings per issue. Copies were sent to water system operators and managers, local utility officials (i.e.; mayor, association president, owner, etc.), environmental groups and other organizations / persons requesting to be on the distribution list.

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Outcomes/Environmental results – to be documented in Annual Reports:

Outcome Type	Quantitative Description of Outcome	SFY22
Environmental	To educate/reassure local PWS customers on the quality/safety of their drinking water.	604 water systems certified CCRs were distributed to customers by Oct. 1, 2021. This was a compliance rate of 87.8%. All CCRs are available on the ADH website.
Environmental	Improved distribution water quality provided to the public through cross-connection control program.	Three training sessions was held on cross connection control policies and procedures.
Environmental	Improve water quality through treatment plant optimization efforts.	In addition to other AWOP activities listed above, DBP technical assistance was conducted for 31 water systems.

Environmental	99% of Community and Non-Transient Non-Community water systems will have licensed operators. Goals: 50 courses offered to operators and operators in training. ADH staff presented sessions at 2 3-day conferences. In addition, classes were held on fluoride training, CCR's, and cross-connection control. TA providers went on-site to help with peer-to-peer operator training when necessary.	Conducted 30 exam sessions, plus on- demand computer-based exams capability that is seeing greater use over time. Additionally, one was cancelled due to Covid-19. The program processed 634 exams, issued 46 Operator in Training certificates, issued 235 new licenses and tracked the renewal of 2,380 operators holding 3,340 active water operator licenses or Operator in Training Certificates.
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¹"The term "outcome" means the result, effect or consequence that will occur from carrying out an environmental program or activity that is related to an environmental or programmatic goal or objective. Outcomes may be environmental, behavioral, health-related or programmatic in nature, must be quantitative, and may not necessarily be achievable within an assistance agreement funding period." EPA Order Classification No.: 5700.7

IX. ATTACHMENT A

OVERALL SUMMARY OF EXPENDITURES

Salary Distribution and Effort Summary
2019 Grant Balance
2020 Grant Balance
Grant Timeframes Balance Summary

X. ATTACHMENT B

Summary of Travel Reimbursements State Characters 02, 09

Internal Order ASRB00XX = Wellhead Protection

Internal Order ASRC00XX = State Program Management

Internal Order ASRF00XX = Capacity Development

Attachment A: Salary Distribution and Effort Summary

					Effort			Funding		State			
					SRF Set-Asides			DWSRF Set-Asides	Other				
Pos ition #	Name	Position Title	T o t a l F T E	Sal ary (Total)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)	A S R C S P M Cap Dev (FTE) (FTE)
Technical Staff													
221 056 76	Acuff, Callie	Engineer	1 .00	\$56,414	0.43	0.57		1.00					
221 057 81	Alexander, Gregory	Sr. Env. Health Spec.	1 .00	\$47,944	0.19	0.77	0.04	1.00					
221 094 03	Ansel, Carissa	Env. Health Spec.	0 .75	\$29,323	0.71	0.04		0.75					
221 058 43	Barefield, Travis	Env. Health Spec.	0 .15	\$6,515		0.15			0.15				
221 106 89	Birdsong, Christie	Env. Health Spec.	0 .64	\$25,068	0.64			0.64					
220 768 42	Black, Jackson	Engineer Tech (Intern)	0 .04	\$1,374	0.04			0.04					
221 056 08	Borbely-Kort, Evelyn	Professional Geologist	1 .00	\$63,542		0.93	0.07	0.00	0.03				
221 070 10	Brown, Taylor	Engineer, P.E.	1 .00	\$73,107	0.05	0.58	0.37	0.50	0.00				
221 636 77	Burns, Tanner	Engineer	1 .00	\$53,212	0.92	0.08		1.00					

221 054 70	Chandler, Scottie	Engineer Technician	1 .0 0	\$36,5 80	1. 00					1. 0 0
221 636 76	Chatman, Jake	Engineer	1 .0 0	\$54,9 43	0. 90	0. 03	0. 0 7	1.00		
221 061 27	Corder, Craig	Chief Engineer	1 .0 0	\$100, 605	0. 65		0. 3 5	0.70		0. 3 0
221 051 83	Corder, Susan	QA Manager	1 .0 0	\$78,7 78	0. 98		0. 0 2			1. 0 0
221 045 18	Dawson, Douglas	Env. Health Spec.	1 .0 0	\$42,6 55	0. 26		0. 7 4	1.00		
221 046 64	Fitzhugh, Steven	Engineer Technician	1 .0 0	\$42,6 83	1. 00					1. 0 0
221 061 57	Foshee, Timothy	Engineer Technician	0 .2 0	\$7,64 3	0. 20					0. 2 0
221 054 17	Gephardt, Trent	Sr. Env. Health Spec.	1 .0 0	\$45,4 49	0. 28		0. 7 2	1.00		
221 061 89	Gernon, Dean	Engineer	1 .0 0	\$54,0 46	0. 74	0. 18	0. 0 8			1. 0 0
221 050 08	Glewen, Logan	Engineer Technician	0 .4 9	\$18,9 87	0. 36	0. 11	0. 0 2		0. 4 3	0. 0 6
221 057 01	Greenway, Glenn	Engineer Supervisor	1 .0 0	\$81,2 66	0. 72		0. 2 8	0.50		0. 5 0
221 049 36	Gregg Jr, Jack	Env. Health Spec.	1 .0 0	\$45,4 63	0. 48	0. 25	0. 2 7	0.5 0	0 .5 0	
220 768 18	Harris, Joseph	Engineer Technician	1 .0 0	\$35,0 92	1. 00					1. 0 0
221 059 53	Harris, Robert	Engineer, P.E.	1 .0 0	\$71,6 67	0. 95	0. 05		1.00		
221 092 18	Hilborn, Aaron	Engineer Supervisor	1 .0 0	\$80,5 66	0. 05		0. 9 5	1.00		
221 062 02	Johnson, Steven	Env. Health Spec.	0 .0 9	\$7,69 6		0. 09			0. 0 9	

221 063 95	Johnson, Thomas	Engineer, P.E.	1 .0 0	\$72,7 31	0. 68	0. 3 2	0. 2 0	0. 8 0
221 052 07	Jones, Lance	Director	1 .0 0	\$96,6 60	0. 66	0. 05 2 9		1. 0 0
221 066 65	Jones, Mark	Env. Health Spec.	1 .0 0	\$43,5 95	0. 37	0. 06 5 7	1. 0 0	
221 059 06	Jones, Trent	Engineer	0 .5 0	\$28,3 61	0. 50		0.50	
221 095 19	Lee, Teresa	Chief, Technical Sup.	1 .0 0	\$89,1 89	0. 01	0. 9 9		1. 0 0
221 069 35	Lee, Kaleb	Engineer Technician	1 .0 0	\$37,8 82	1. 00			1. 0 0
221 100 35	Lowe, Vernon	Engineer	0 .1 6	\$9,65 4	0. 13	0. 03	0.16	
221 058 43	Manley, Tyler	Env. Health Spec.	0 .1 6	\$6,26 1		0. 16	0. 1 6	
221 105 13	McGriff, Ethan	Engineer Technician	0 .8 5	\$33,2 56	0. 85			0. 8 5
221 068 38	Michaels, Robin	Env. Health Spec.	1 .0 0	\$45,4 48	0. 88	0. 12		1. 0 0
221 056 15	Moon, Devin	Env. Health Spec.	1 .0 0	\$38,8 74	0. 95	0. 05	1.00	
221 057 50	Myric, Krista	Env. Health Spec.	0 .7 5	\$29,2 15		0. 7 5		0. 7 5
221 071 18	Nutt, Andrew	ADH Env. Supv	1 .0 0	\$76,1 38		1. 0 0	1.00	
221 636 78	Parker, Adam	Engineer	1 .0 0	\$57,8 71	0. 90	0. 1 0	0.50	0. 50
220 768 17	Parker, Jeffrey	Engineer Technician	0 .9 2	\$35,7 48	0. 92			0. 9 2
221 094 03	Pavlovic, Emily	Env. Health Spec.	0 .1 0	\$3,80 3		0. 1 0	0. 1 0	

221 063 42	Reaves, Robert	Engineer Supervisor	1 .0 0	\$67,7 25	0. 30	0. 11	0. 5 9	0.38	0. 6 2	
221 068 17	Relic, Becky	Env. Health Spec.	0 .8 5	\$33,1 22	0. 49		0. 3 6		0. 8 5	
221 061 08	Roberts, Christopher	Engineer Supervisor	1 .0 0	\$60,5 18	0. 40		0. 6 0		0. 5 3	0. 47
221 060 24	Roberts, Shada	Engineer, P.E.	1 .0 0	\$70,1 41	1. 00			1.00		
221 047 90	Robertson, Clay	ADH Env. Supv	1 .0 0	\$47,4 77	1. 00					1. 0 0
221 068 23	Routh, Darcia	Geology Supervisor	1 .0 0	\$71,9 61		1. 00			1. 0 0	
221 063 09	Schleiff, Susanna	Env. Health Spec.	0 .5 7	\$22,9 55	0. 57			0.29	0. 2 8	
221 092 18	Shaw, Andrew	Engineer	0 .5 0	\$27,1 35	0. 17	0. 27	0. 0 6		0. 5 0	
221 055 80	Sohmer, David	Env. Health Spec.	0 .5 5	\$22,8 61	0. 11	0. 23	0. 2 1		0. 5 5	
221 054 89	Starling, Stanley	Env. Health Spec.	1 .0 0	\$44,3 01	0. 40		0. 6 0		1. 0 0	
221 052 24	Stone, Jeffery	ADH Eng. Director	0 .5 0	\$82,1 07	0. 45		0. 0 5			0. 5 0
221 061 57	Summerfor d, Billy	Engineer Technician	0 .1 5	\$5,70 6	0. 15					0. 1 5
221 055 85	Taylor, Dennis	Engineer Supervisor	1 .0 0	\$79,3 31	0. 30	0. 70			1. 0 0	
221 117 55	Thompson Jr., Raymond	Engineer Supervisor	1 .0 0	\$96,9 91	0. 90	0. 10				1.0 0
220 768 38	Tran, Brandon	Engineer Tech (Intern)	0 .0 4	\$1,37 4	0. 04			0.04		
221 117 55	Wilson, Jack	Env. Health Spec.	1 .0 0	\$47,3 55	0. 83		0. 1 7		1. 0 0	

221 095 19	Youngblood , Stephen	Engineer Supervisor	1 . 0 0	\$78,0 37	1. 00	1.00									
TOTALS			4 5 . 9 6	\$2,72 4,401	28 .5 1	5. 87	1 . 5 8	6.6 7	9 . 5 8	6. 6 7	0. 3 3	5. 7 1	1.0 0	1 5. 0 3	0. 97
%								14.51% 20.84%	1 4. 5 1 %	0. 7 2 %	1 2. 4 2 %	2.1 8 %	3 2. 7 0 %	2.11%	

[illegible]

Admin. Staff											
221 062 62	Adrow, Alaana	Admin. Spec II	0 .1 8	\$4,83 1	0. 11	0. 02	0. 0 4		0.09		0. 1 8
220 769 20	Charbonnea u, Helen	Admin. Spec II	0 .5 0	\$15,6 27	0. 31	0. 07	0. 1 2				0. 5 0
221 056 22	Eschbacher , Mollie	Admin. Spec II	0 .2 0	\$5,46 7	0. 13	0. 03	0. 0 5				0. 1 1
221 108 95	Fitzhugh, Rachael	Admin. Spec III	0 .0 7	\$2,75 1	0. 04	0. 01	0. 0 2				0. 0 7
221 059 60	Gaston, Cathy	Admin. Analyst	1 .0 0	\$45,3 18	0. 62	0. 13	0. 2 5	0.50	0.08		1. 0 0
221 058 42	Green, Penelope	Admin. Spec III	1 .0 0	\$41,6 10	0. 62	0. 13	0. 2 5				0. 9 2
221 059 53	Hampton, Ida	Admin. Spec III	0 .5 0	\$25,3 73			0. 5 0				
221 062 62	Lambert, Marcia	Admin. Spec II	1 .0 0	\$44,6 32	0. 62	0. 13	0. 2 5				
221 062 62	Lewis, Tauria	Admin. Spec II	0 .6 4	\$17,1 83	0. 40	0. 08	0. 1 5	0.64			
221 059 53	Lynch, Robin	Admin. Spec III	0 .1 8	\$6,84 3			0. 1 8				0.18
221 111 51	Petroff, Rosalyn	Admin. Spec III	1 .0 0	\$42,9 95	0. 62	0. 13	0. 2 5				1.0 0
221 046 17	Ross, Shunte'	Human Resource Admin	0 .4 3	\$18,3 95	0. 27	0. 06	0. 1 0				0. 4 3
221 059 26	Sheard, Makayla	Admin. Spec III	0 .0 4	\$1,23 2	0. 02	0. 00	0. 0 2				0. 0 4
221 059 07	Speich, Chelcie	Admin. Spec III	0 .0 7	\$3,01 7	0. 04	0. 01	0. 0 2				0. 0 7
221 115 47	Summons, Sharon	Budget Analyst	1 .0 0	\$48,7 57	0. 62	0. 13	0. 2 5				1. 0 0
TOTALS			7 .8 0	\$324, 030	4. 43	0. 93	2. 4 5				1.68

Engineering	6	\$3,48	36	7.	1	7.6	1	6	0.	8	2.0	2	0.	0.
Grand	1	9,079	.8	61	6.	4	1	.	33	.	0	3.	9	0
Totals	.		5		6			6		7		1	7	0
	0				0			5	7		4	3		
	6							9						

ADH Lab Staff Support for the Drinking Water Program - Funded by Meter Service Fees

					Effort			Funding								
								Federal				State				
					SRF Set-Asides			DWSRF Set-Asides			Other					
A S R C S P M (F T E)	A S R B W H P (F T E)	AS RF Cap Dev (F T E)	A S R F C ap Dev (%)	A S R B W H P (F T E)				A W P H A D E Q - W H P (F T E)	A W A T P W S S (F T E)	A S G R G en er al Re ve nu e (F T E)	A P W F P W S S er vi ce Fee e (F T E)	A P L E Pl an R e vie w Fee e F und (F T E)	A W H F Li ce n se Fee es (F T E)			
Pos ition #	Name	Position Title	T o t a l F T E	Sal ar y (Total)												
Lab Staff																
221 066 78	Bailey, Laura	Adh Epi. Officer	0 .4 0	\$38,4 24	-	-	-						0.40			
221 046 46	Biddle, Patricia	Senior Microbiologi st	1 .0 0	\$49,8 54	-	-	-						1.00			
221 052 55	Borst, Erin	Chemist	1 .0 0	\$41,8 54	-	-	-						1.00			
221 093 80	Colbert, Dionne	Adh Laboratory Manager	1 .0 0	\$77,9 53	-	-	-						1.00			
221 051 47	Donnerson, Carolyn	Warehouse Specialist	1 .0 0	\$36,9 42	-	-	-						1.00			
221 060 40	Duke, David	Senior Chemist	1 .0 0	\$70,3 09	-	-	-						1.00			
221 068 71	Enlow, Karron	Microbiologi st	1 .0 0	\$47,7 96	-	-	-						1.00			

221 108 68	Freres, Mary	Chemist	1 .00	\$44,954	-	-	-	1.00
221 048 60	Fuller, Megan	Chemist	1 .00	\$42,089	-	-	-	1.00
221 067 16	Gulley, Frederick	Laboratory Technician	1 .00	\$35,163	-	-	-	1.00
221 064 74	Henderson, Terri	Senior Chemist	1 .00	\$69,932	-	-	-	1.00
221 054 02	Jefferson, Benjamin	Adh Laboratory Manager	1 .00	\$76,890	-	-	-	1.00
221 055 21	Jordan, Alindria	Adh Laboratory Manager	1 .00	\$57,775	-	-	-	1.00
221 052 99	Linz, Rhonda	Senior Chemist	1 .00	\$48,205	-	-	-	1.00
221 050 48	Madden, Fanchon	Chemist	1 .00	\$31,950	-	-	-	1.00
221 053 03	Madden, Fanchon	Senior Chemist	1 .00	\$13,197	-	-	-	1.00
221 064 49	Mcgee, Charles	Information Systems Coord	1 .00	\$40,444	-	-	-	1.00
221 113 53	Morris, Anderson	Senior Chemist	1 .00	\$52,167	-	-	-	1.00
221 063 36	Nix, Bryan	Laboratory Technician	1 .00	\$33,268	-	-	-	1.00
221 054 62	Parrish, Mark	Senior Chemist	1 .00	\$69,932	-	-	-	1.00
221 067 66	Pledger, Kersten	Microbiologi st	1 .00	\$43,342	-	-	-	1.00
221 062 66	Randolph, Debra	Senior Chemist	1 .00	\$41,810	-	-	-	1.00
221 070 00	Rankin, Steven	Senior Chemist	1 .00	\$70,309	-	-	-	1.00

221 053 36	Sheridan, Gregory	Adh Laboratory Manager	1 . 0 0	\$78,7 78	-	-	-	1.00
221 050 48	Shorter, Jamecia	Chemist	0 . 1 0	\$3,16 9	-	-	-	0.10
221 053 03	Sims, Audrey	Senior Chemist	1 . 0 0	\$28,5 71	-	-	-	1.00
221 064 79	Smith, Sandra	Laboratory Technician	1 . 0 0	\$35,9 63	-	-	-	1.00
221 066 04	Troup, Timothy	Senior Chemist	1 . 0 0	\$70,3 09	-	-	-	1.00
221 065 63	Tyra, Patsy	Laboratory Technician	1 . 0 0	\$33,1 88	-	-	-	1.00
221 654 97	Wang, Junzuo	Senior Chemist	1 . 0 0	\$45,5 22	-	-	-	1.00
221 066 46	Williams, Jayda	Laboratory Technician	0 . 2 5	\$7,44 2	-	-	-	0.25
221 121 36	Williams, Earnie	Laboratory Technician	1 . 0 0	\$29,3 39	-	-	-	1.00
221 051 23	Wrightner, Rakara	Senior Microbiologi st	1 . 0 0	\$50,0 32	-	-	-	1.00
TOTALS			3 0 . 7 5	\$1,51 6,875	-	-	-	30.75

** FTEs for Lab Staff in general are @ 1.0 per position. The information for making exact FTE determination for Lab staff is not available to Engineering.

Grant Balances

	SRF 2019 Grant	SFY 21 Balanc e	July '21	Aug '21	Sept '21	Oct '21	Nov '21	Dec '21	Jan '22	Feb '22	Mar '22	Apr '22	May '22	Jun '22	Total Expens es for SFY 2022	Balance Ending 6/30/22
State Program Management	Salaries	\$ 371,31 0.78	\$ 50,369 .11	\$ 33,370 .92	\$ 33,470 .88	\$ 38,111 .42	\$ 37,311 .42	\$ 48,383 .42	\$ 29,214 .96	\$ 26,980 .40	\$ 32,121 .09	\$ 34,021 .47	\$ 35,571 .45	\$ 39,139 .45	\$ 438,06 5.99	\$ (6 6,755.21)
	Fringe	\$ 121,80 4.75	\$ 15,625 .04	\$ 12,169 .10	\$ 12,192 .07	\$ 13,480 .84	\$ 13,074 .20	\$ 16,401 .57	\$ 12,449 .60	\$ 11,682 .10	\$ 12,963 .81	\$ 13,486 .05	\$ 13,674 .22	\$ 14,700 .44	\$ 161,89 9.04	\$ (4 0,094.29)
	Travel- 09	\$ 2,935.0 0	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -				\$ 2,896. 74	\$ 253.08	\$ 6,084.8 2	\$ (3 ,149.82)
	Supplies	\$ 264,68 4.86	\$ 2,170. 00	\$ 3,538. 76	\$ 343.99	\$ 603.96	\$ 1,065. 58	\$ 1,930. 88	\$ 4,091. 82	\$ 21,781 .79	\$ 9,683. 96	\$ 40,826 .69	\$ 2,544. 12	\$ 24,677 .33	\$ 113,25 8.88	\$ 1 51,425.9 8
	Travel- 02	\$ 5,729.9 4	\$ 14.00	\$ 234.89	\$ 23.00		\$ 96.32		\$ 171.33	\$ 15.87	\$ 731.81	\$ 553.38	\$ 857.21	\$ 572.53	\$ 3,270.3 4	\$ 2, 459.60
	Equipm ent	\$ 304,49 2.00	\$ -	\$ -			\$ -		\$ -	\$ 115,05 4.66	\$ 11,928 .18	\$ 17,940 .36			\$ 144,92 3.20	\$ 1 59,568.8 0
	Contract ual	\$ -	\$ -	\$ -			\$ -		\$ -						\$ -	\$ -
	Indirect	\$ 96,152. 34	\$ 13,330 .82	\$ 9,199. 08	\$ 9,223. 92	\$ 10,421 .64	\$ 10,177 .90	\$ 13,086 .57	\$ 8,416. 24	\$ 7,809. 83	\$ 9,107. 15	\$ 9,596. 52	\$ 9,947. 63	\$ 10,875 .66	\$ 121,19 2.96	\$ (2 5,040.62)
	Cost Allocatio n	\$ -	\$ 6,611. 40			\$ 31,386 .70			\$ 28,846 .71			\$ 34,520 .59			\$ 101,36 5.40	\$ (1 01,365.4 0)
	Total for SPM	\$ 1,167,1 09.67	\$ 88,120 .37	\$ 58,512 .75	\$ 55,253 .86	\$ 94,004 .56	\$ 61,725 .42	\$ 79,802 .44	\$ 83,190 .66	\$ 183,32 4.65	\$ 76,536 .00	\$ 150,94 5.06	\$ 65,491 .37	\$ 90,218 .49	\$ 1,087,1 25.63	\$ 7 9,984.04
Sm all	Salaries														\$ -	\$ -

	Fringe														\$ -	\$ -
	Travel-09														\$ -	\$ -
	Travel														\$ -	\$ -
	Supplies														\$ -	\$ -
	Equipm ent														\$ -	\$ -
	Contract ual														\$ -	\$ -
	Indirect														\$ -	\$ -
	Total for SSTA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wellhead Protection	Salaries	\$ 219,699.10	\$ 46,024.21	\$ 28,912.17	\$ 25,014.57	\$ 28,195.73	\$ 28,465.72	\$ 41,998.02	\$ 25,076.88	\$ 24,265.59	\$ 24,381.01				\$ 272,333.90	\$ (5,263.80)
	Fringe	\$ 66,017.01	\$ 14,474.56	\$ 10,773.58	\$ 10,081.61	\$ 11,002.51	\$ 10,874.42	\$ 13,261.38	\$ 9,783.91	\$ 9,391.18	\$ 9,541.68				\$ 99,184.83	\$ (3,167.82)
	Travel-09	\$ 3,341.00	\$ -	\$ -	\$ -		\$ -		\$ -						\$ -	\$ 3,341.00
	Supplies	\$ 54,297.38	\$ -	\$ -	\$ -	\$ 930.50	\$ 1,051.17		\$ 14,491.40						\$ 16,473.07	\$ 7,824.31
	Travel-02	\$ 3,225.64	\$ -	\$ -	\$ 85.23		\$ -		\$ -						\$ 85.23	\$ 3,140.41
	Equipm ent	\$ 53,101.00	\$ -	\$ -	\$ -		\$ -		\$ -						\$ -	\$ 53,101.00

	Contractual	\$ -	\$ -	\$ -	\$ -		\$ -		\$ -						\$ -	\$ -
	Indirect	\$ 57,714.35	\$ 12,220.75	\$ 8,016.52	\$ 7,089.43	\$ 7,918.04	\$ 7,946.71	\$ 11,162.40	\$ 7,041.88	\$ 6,798.67	\$ 1,124.05				\$ 69,318.45	\$ (1,604.10)
	Total for WHP	\$ 457,395.48	\$ 72,719.52	\$ 47,702.27	\$ 42,270.84	\$ 48,046.78	\$ 48,338.02	\$ 66,421.80	\$ 56,394.07	\$ 40,455.44	\$ 35,046.74	\$ -	\$ -	\$ -	\$ 457,395.48	\$ -
Capacity Development	Salaries	\$ 81,095.22	\$ 94,894.59	\$ 62,370.42	\$ 62,320.44	\$ 700.54									\$ 220,285.99	\$ (39,190.77)
	Fringe	\$ 32,310.24	\$ 28,550.14	\$ 21,828.19	\$ 21,816.69										\$ 72,195.02	\$ (9,884.78)
	Travel-09	\$ 14,900.00	\$ -	\$ -	\$ -										\$ -	\$ 4,900.00
	Supplies	\$ 226,857.69	\$ 4,626.09	\$ 55,555.18	\$ 8,300.87										\$ 68,482.14	\$ 58,375.55
	Travel-02	\$ 1,901.81	\$ 338.22	\$ 787.85	\$ 308.41										\$ 1,434.48	\$ 67.33
	Equipment	\$ 77,560.00	\$ -	\$ 132,060.35	\$ -										\$ 132,060.35	\$ (4,500.35)
	Contractual	\$ 103,807.36	\$ -	\$ 7,195.42	\$ 746.64										\$ 7,942.06	\$ 5,865.30
	Indirect	\$ 22,907.38	\$ 24,935.84	\$ 17,008.12	\$ 16,995.70										\$ 58,939.66	\$ (6,032.28)
	Total for C/D	\$ 561,339.70	\$ 153,344.88	\$ 296,805.53	\$ 110,488.75	\$ 700.54	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 561,339.70	\$ -
Total all Funds		\$ 2,185,844.85	\$ 314,184.77	\$ 403,020.55	\$ 208,013.45	\$ 142,751.88	\$ 110,063.44	\$ 146,224.24	\$ 139,584.73	\$ 223,780.09	\$ 111,582.74	\$ 150,945.06	\$ 65,491.37	\$ 90,218.49	\$ 2,105,860.81	\$ 9,984.04

	SRF 2020 Grant	SFY 21 Balanc e	July '21	Aug '21	Sept '21	Oct '21	Nov '21	Dec '21	Jan '22	Feb '22	Mar '22	Apr '22	May '22	Jun '22	Total Expens es for SFY 2022	Balance Ending 6/30/22
State Program Management	Salaries	\$ 445,923.00													\$ -	\$ 45,923.00
	Fringe	\$ 147,154.00													\$ -	\$ 47,154.00
	Travel-09	\$ 4,370.00													\$ -	\$ 4,370.00
	Supplies	\$ 182,511.00													\$ -	\$ 82,511.00
	Travel-02	\$ 2,096.00													\$ -	\$ 2,096.00
	Equipm ent	\$ 257,764.00													\$ -	\$ 57,764.00
	Contract ual	\$ -													\$ -	\$ -
	Indirect	\$ 119,802.00													\$ -	\$ 19,802.00
	Cost Allocatio n	\$ -													\$ -	
	Total for SPM	\$ 1,159,620.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,159,620.00
Sm all	Salaries														\$ -	\$ -

	Fringe														\$	\$ -
	Travel-09														\$	\$ -
	Supplies														\$	\$ -
	Travel-02														\$	\$ -
	Equipment														\$	\$ -
	Contractual															
	Indirect														\$	\$ -
	Cost Allocation														\$	\$ -
	Total for SSTA	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Wellhead Protection	Salaries	\$ 475,830.00										\$ 24,929.72	\$ 24,929.69	\$ 24,929.68	\$ 74,789.09	\$ 101,040.91
	Fringe	\$ 157,033.00										\$ 9,702.69	\$ 9,562.61	\$ 9,704.73	\$ 28,970.03	\$ 28,062.97
	Travel-09	\$ 6,901.00												\$ 255.45	\$ 255.45	\$ 6,645.55
	Supplies	\$ 56,385.00												\$ 87.80	\$ 87.80	\$ 6,297.20
	Travel-02	\$ 2,650.00													\$ -	\$ 2,650.00

	Equipm ent	\$ 1,657.0 0													\$ -	\$ 1, 657.00
	Contract ual	\$ -														\$ -
	Indirect	\$ 127,84 4.00									\$ 5,728. 33	\$ 6,995. 75	\$ 6,967. 44	\$ 6,996. 15	\$ 26,687. 67	\$ 1 01,156.3 3
	Cost Allocatio n	\$ -	\$ 18,301 .13			\$ 27,409 .35			\$ 24,664 .87			\$ 34,187 .68			\$ 104,56 3.03	\$ (1 04,563.0 3)
	Total for WHP	\$ 828,30 0.00	\$ 18,301 .13	\$ -	\$ -	\$ 27,409 .35	\$ -	\$ -	\$ 24,664 .87	\$ -	\$ 5,728. 33	\$ 75,815 .84	\$ 41,459 .74	\$ 41,973 .81	\$ 235,35 3.07	\$ 5 92,946.9 3
Capacity Development	Salaries	\$ 628,00 0.00				\$ 61,319 .87	\$ 63,120 .31	\$ 89,959 .80	\$ 59,337 .87	\$ 58,115 .05	\$ 46,854 .28	\$ 48,887 .77	\$ 51,052 .92	\$ 46,471 .38	\$ 525,11 9.25	\$ 1 02,880.7 5
	Fringe	\$ 207,24 0.00				\$ 22,164 .97	\$ 22,000 .40	\$ 27,674 .12	\$ 20,467 .79	\$ 20,350 .60	\$ 18,023 .56	\$ 18,541 .80	\$ 17,982 .43	\$ 17,952 .71	\$ 185,15 8.38	\$ 2 2,081.62
	Travel- 09	\$ 11,438. 00					\$ -		\$ -						\$ -	\$ 1 1,438.00
	Supplies	\$ 195,71 7.00				\$ 9,845. 38	\$ 2,954. 85	\$ 11,112 .62	\$ 2,080. 54	\$ 349.29	\$ 5,512. 00	\$ 909.03	\$ 4,085. 34	\$ 16,216 .62	\$ 53,065. 67	\$ 1 42,651.3 3
	Travel- 02	\$ 15,047. 00				\$ 157.76	\$ 13.07	\$ 160.66	\$ 881.29		\$ 12.83			\$ 553.52	\$ 1,779.1 3	\$ 1 3,267.87
	Equipm ent	\$ 207,44 0.00					\$ -		\$ -						\$ -	\$ 2 07,440.0 0
	Contract ual	\$ 223,00 0.00				\$ 11,819 .17	\$ -	\$ 17,057 .98	\$ -	\$ 43,329 .01	\$ 13,159 .55			\$ 56,394 .74	\$ 141,76 0.45	\$ 8 1,239.55
	Indirect	\$ 168,71 8.00				\$ 17,005 .45	\$ 17,194 .38	\$ 23,762 .05	\$ 16,120 .74	\$ 15,850 .06	\$ 13,105 .32	\$ 13,620 .77	\$ 13,945 .14	\$ 13,013 .67	\$ 143,61 7.58	\$ 2 5,100.42

	Cost Allocation	\$ -	\$ 10,395.47			\$ 47,648.65			\$ 14,830.22			\$ 11,909.97			\$ 84,784.31	\$ (84,784.31)
	Total for C/D	\$ 1,656,600.00	\$ 10,395.47	\$ -	\$ -	\$ 169,961.25	\$ 105,283.01	\$ 169,727.23	\$ 113,718.45	\$ 137,994.01	\$ 96,667.54	\$ 93,869.34	\$ 87,065.83	\$ 150,602.64	\$ 1,135,284.77	\$ 21,315.23
Total all Funds		\$ 3,644,520.00	\$ 28,696.60	\$ -	\$ -	\$ 197,370.60	\$ 105,283.01	\$ 169,727.23	\$ 138,383.32	\$ 137,994.01	\$ 102,395.87	\$ 169,685.18	\$ 128,525.57	\$ 192,576.45	\$ 1,370,637.84	\$ 2,273,882.16

Grant
Timeframes

SRF Grant Year	Set-Aside	% of Grant	Total Available	Total Reserved	Total Available to Budget	Total Expended To Date	Remaining Balance	Grant Start Date	Project ed Expense Begin Date	Projecte d Expense End Date	Grant End Date
2017^^^	SPM	10%	\$ 1,261,000	\$ (10 0,000)	\$ 1,361,000	\$ 1,361,000	\$ -	10/1/20 17	Nov-18	Feb-20	10/1/20 21
	TA	2%	\$ 25 2,200	\$ -	\$ 25 2,200	\$ 252 ,200	\$ -		Jan-18	Sep-18	
	WHP	5%	\$ 63 0,500	\$ -	\$ 63 0,500	\$ 630 ,500	\$ -		Aug-18	Aug-19	
	Cap Dev	10%	\$ 1,261,000	\$ -	\$ 1,261,000	\$ 1,261,000	\$ -		Sep-18	Aug-19	
	Total	27.0%	\$ 3,404,700	\$ (10 0,000)	\$ 3,504,700	\$ 3,504,700	\$ -		Jan-18	Feb-20	
2018	SPM	8.2%	\$ 1,671,100	\$ 300 ,800	\$ 1,370,300	\$ 1,370,300	\$ -	10/1/20 18	Feb-20	May-21	10/1/20 22
	TA	2%	\$ 33 4,220	\$ 334 ,220	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 83 5,550	\$ -	\$ 83 5,550	\$ 835 ,550	\$ -		Aug-19	Dec-20	
	Cap Dev	10%	\$ 1,671,100	\$ -	\$ 1,671,100	\$ 1,671,100	\$ -		Aug-19	Nov-20	
	Total	25.2%	\$ 4,511,970	\$ 635 ,020	\$ 3,876,950	\$ 3,876,950	\$ -		Aug-19	Dec-20	
2019	SPM	7.6%	\$ 1,655,500	\$ 400 ,000	\$ 1,255,500	\$ 1,175,516	\$ 79,98 4	10/1/20 19	May-21	Apr-22	10/1/20 23
	TA	2%	\$ 33 1,100	\$ 331 ,100	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 82 7,750	\$ -	\$ 82 7,750	\$ 827 ,750	\$ -		Jan-21	Dec-21	
	Cap Dev	10%	\$ 1,655,500	\$ -	\$ 1,655,500	\$ 1,655,500	\$ 0		Sep-20	Nov-21	

	Total	24.6%	\$ 4,469,850	\$ 731	\$ 3,738,750	\$ 3,658,766	\$ 79,984		Nov-20	Dec-21	
98600123	SPM	7%	\$ 1,656,600	\$ 496	\$ 1,159,620	\$ -	\$ 1,159		Oct-21	Sep-22	
	TA	0%	\$ 33	\$ 331	\$ -	\$ -	\$ -		N/A	N/A	
2020	WHP	5%	\$ 82	\$ -	\$ 82	\$ 235	\$ 592,9	10/1/20 20	Dec-21	Nov-22	10/1/20 24
	Cap Dev	10%	\$ 1,656,600	\$ -	\$ 1,656,600	\$ 1,050,500	\$ 521,3		Nov-20	Oct-22	
	Total	22%	\$ 4,472,820	\$ 828	\$ 3,644,520	\$ 1,285,853	\$ 2,273		Dec-21	Nov-22	

98600124	SPM	7%	\$ 1,655,100	\$ 496	\$ 1,158,570	\$ 1,158			Oct-22	Sep-23	
	TA	0%	\$ 33	\$ 331	\$ -	\$ -			N/A	N/A	
2021	WHP	5%	\$ 82	\$ -	\$ 82	\$ 827,5		10/1/20 21	Dec-22	Nov-23	
	Cap Dev	10%	\$ 1,655,100	\$ -	\$ 1,655,100	\$ 1,655			Nov-22	Oct-23	
	Total	22%	\$ 4,468,770	\$ 827	\$ 3,641,220	\$ -	\$ 3,641		Nov-22	Nov-23	

Balance Totals**	SPM							\$ 2,398,174		
	TA	Balance Totals are through 6/30/2022.						\$ -		
	WHP							\$ 1,420,497		
	Cap Dev							\$ 2,176,415		
	Total	\$ 5,995,086								

Attachment B - Travel Reimbursements Summary

POSITION #	NAME	CH 02	CH 09	INTERNAL CODE	DESCRIPTION
22105676	Acuff, Callie	\$163.01		ASRF	Compliance Course-Centerton
22105676	Acuff, Callie	\$148.46		ASRF	Sanitary Survey
22105676	Acuff, Callie	\$529.54		ASRF	AWOP Quarterly Meeting
22105676	Acuff, Callie		\$168.84	ASRF	AWW-WEA Conference
22105676	Acuff, Callie	\$142.92		ASRF	Compliance Course
22109403	Ansel, Carissa	\$138.98		ASRB	Exam-Centerton
22109403	Ansel, Carissa		\$132.00	ASRB	AWW-WEA Conference
22109403	Ansel, Carissa	\$144.73		ASRB	Exam-Centerton
22109403	Ansel, Carissa	\$131.07		ASRB	Exam-Fayetteville
22163677	Burns, Tanner	\$144.37		ASRF	Sanitary Survey
22163677	Burns, Tanner	\$122.27		ASRF	Sanitary Survey
22106127	Corder, Craig	\$163.66		ASRF	Sanitary Survey-Clinton
22106127	Corder, Craig	\$160.66		ASRF	Tech Assistance
22106817	Davis, Rebecca	\$15.98		ASRF	District Meeting
22104518	Dawson, Doug	\$146.96		ASRC	Sanitary Survey (NWA)
22104518	Dawson, Doug	\$140.57		ASRC	Sanitary Survey
22106189	Gernon, Dean	\$150.54		ASRC	Sanitary Survey/Chlorine Test
22106189	Gernon, Dean	\$305.25		ASRC	District Meeting
22106189	Gernon, Dean	\$12.00		ASRC	District Meeting
22106189	Gernon, Dean	\$126.89		ASRC	Tech Assistance

2210618 9	Gernon, Dean	\$140.6 7		ASRC	Sanitary Survey
2210618 9	Gernon, Dean	\$20.00		ASRC	District Meeting
2210618 9	Gernon, Dean	\$125.3 1		ASRC	Sanitary Survey
2210618 9	Gernon, Dean	\$20.00		ASRC	District Meeting
2210618 9	Gernon, Dean	\$135.3 5		ASRC	Sanitary Survey
2210618 9	Gernon, Dean	\$156.7 2		ASRC	District Meeting
2210493 6	Gregg, Jack	\$26.00		ASRC	District Meeting
2210493 6	Gregg, Jack	\$25.94		ASRF	District Meeting
2210493 6	Gregg, Jack	\$17.25		ASRF	District Meeting
2210493 6	Gregg, Jack	\$124.9 7		ASRF	District Meeting
2210493 6	Gregg, Jack	\$15.87		ASRF	District Meeting
2210493 6	Gregg, Jack	\$15.38		ASRF	District Meeting
2210499 7	Harris, Robert	\$10.71		ASRC	District Meeting
2210499 7	Harris, Robert	\$115.2 4		ASRC	District Meeting
2210499 7	Harris, Robert	\$15.00		ASRC	District Meeting, AWWA-WEA
2210499 7	Harris, Robert	\$81.12		ASRC	Sanitary Survey
2210499 7	Harris, Robert	\$10.71		ASRC	Sanitary Survey
2210499 7	Harris, Robert	\$101.0 7		ASRC	Sanitary Survey
2210499 7	Harris, Robert	\$15.00		ASRC	District Meeting
2110499 7	Harris, Robert	\$96.32		ASRC	District Meeting
2110499 7	Harris, Robert	\$15.00		ASRF	District Meeting
2210666 5	Jones, Mark	\$15.00		ASRC	District Meeting
2210666 5	Jones, Mark	\$128.8 4		ASRC	Exam Proctor

2210584 3	Manley, Tyler	\$19.00		ASRC	District Meeting
2210584 3	Manley, Tyler	\$152.1 7		ASRC	Sanitary Survey
2210584 3	Manley, Tyler	\$19.00		ASRC	District Meeting
2210584 3	Manley, Tyler	\$149.8 3		ASRC	Sanitary Survey
2210584 3	Manley, Tyler	\$151.3 0		ASRC	Sanitary Survey
2210584 3	Manley, Tyler	\$309.8 9		ASRC	Sanitary Survey
2210584 3	Manley, Tyler	\$142.4 4		ASRC	Sanitary Survey
2210584 3	Manley, Tyler	\$12.00		ASRC	District Meeting
2210584 3	Manley, Tyler	\$133.0 5		ASRC	Tech Assistance
2210584 3	Manley, Tyler	\$20.00		ASRC	District Meeting
2210575 0	Myrick, Krista	\$278.7 6		ASRC	Compliance Course
2210575 0	Myrick, Krista	\$161.5 5		ASRC	Compliance Course
2216934 6	Lee, Teresa	\$144.5 0		ASRC	LSLR Meeting-Cave Springs
2210711 8	Nutt, Martin		\$250. 00	ASRF	AWW-WEA Conference
2210711 8	Nutt, Martin	\$159.3 8		ASRF	Compliance Course
2210711 8	Nutt, Martin	\$542.8 9		ASRF	Travel-Augusut & Sept 2021
2210711 8	Nutt, Martin	\$149.8 8		ASRF	Compliance Course
2210682 3	Routh, Darcia		\$255. 45	ASRB	AWW-WEA Conference
2210682 3	Routh, Darcia	\$258.2 0		ASRB	Conference-Illinois River Watershed
2210548 9	Starling, Stan	\$23.98		ASRF	District Meeting
2210548 9	Starling, Stan		\$253. 08	ASRF	AWW-WEA Conference
2210548 9	Starling, Stan	\$18.49		ASRF	District Meeting
2210548 9	Starling, Stan	\$18.49		ASRF	District Meeting

2210548 9	Starling, Stan	\$16.49		ASRF	District Meeting
2210548 9	Starling, Stan	\$20.68		ASRF	District Meeting
2210548 9	Starling, Stan	\$20.68		ASRF	District Meeting
2210500 3	Taylor, Dennis	\$18.00		ASRF	District Meeting

OVERALL SUMMARY OF EXPENDITURES AND SALARY SUMMARY

					Effort			Funding												
					SRF Set-Asides			Federal					State							
Position #	Name	Position Title	Total FTE	Salary (Total)	ASRC	ASRB	ASRF	ASRC	ASRF	ASRB	AWPH	AWAT	ASGR	APWF	APLE	AWHF				
					SPM (FTE)	WHP (FTE)	Cap Dev (FTE)	SPM (FTE)	Cap Dev (FTE)	WHP (FTE)	ADEQ - WHP (FTE)	PWSS (FTE)	General Revenue (FTE)	PWS Service Fee (FTE)	Plan Review Fee Fund (FTE)	License Fees (FTE)				
Technical Staff																				
22105676	Acuff, Callie	Engineer	1.00	\$53,859.09			1.00		1.00											
22105781	Alexander, Gregory	Sr. Env. Health Spec.	1.00	\$46,127.23	0.03	0.97				1.00										
22105843	Barefield, Travis	Env. Health Spec.	0.49	\$13,905.80	0.07	0.01	0.42					0.49								
22105843	Bird, Jason	Env. Health Spec.	0.10	\$3,987.07	0.10							0.10								
22110689	Birdsong, Christie	Env. Health Spec.	1.00	\$36,844.70	1.00			1.00												
22105608	Borbely-Kort, Evelyn	Professional Geologist	1.00	\$60,769.20	0.04	0.96				0.51	0.49									
22107010	Brown, Taylor	Engineer, P.E.	1.00	\$68,607.76	0.22	0.39	0.39		0.25	0.75										
22076783	Burghart, Steven	Engineer, P.E.	0.56	\$63,277.82	0.56							0.28			0.28					
22163677	Burns, Tanner	Engineer	1.00	\$50,221.85	0.11		0.89		1.00											
22109951	Butler, Maygun	Env. Health Spec.	0.37	\$13,064.67	0.08		0.29		0.37											
22105470	Chandler, Scottie	Engineer Technician	0.53	\$13,709.74	0.53									0.53						
22163676	Chatman, Jake	Engineer	1.00	\$52,275.05	0.93	0.00	0.07	1.00												
22106127	Corder, Craig	Engineer Supervisor	1.00	\$94,299.12	0.09		0.91		1.00											
22105183	Corder, Susan	QA Manager	1.00	\$75,514.98	1.00		0.00							1.00						
22104518	Dawson, Douglas	Env. Health Spec.	1.00	\$38,592.81	0.39		0.61	1.00												
22076817	Dyer, Toby	Engineer Technician	0.28	\$10,619.70	0.28									0.28						
22104664	Fitzhugh, Steven	Engineer Technician	1.00	\$38,311.26	1.00									1.00						
22106157	Foshee, Timothy	Engineer Technician	0.90	\$22,434.14	0.90									0.90						
22105417	Gephardt, Trent	Sr. Env. Health Spec.	1.00	\$43,718.94	0.85		0.15	1.00												
22106189	Gernon, Dean	Engineer	1.00	\$51,179.81	0.44	0.04	0.52							1.00						
22105008	Glewen, Logan	Engineer Technician	0.86	\$21,187.84	0.86									0.86						
22109951	Gourley, Caleb	Env. Health Spec.	0.23	\$9,108.30	0.02		0.21		0.23											
22105701	Greenway, Glenn	Engineer Supervisor	1.00	\$77,120.41	0.70	0.00	0.30		0.33					0.67						
22104936	Gregg Jr, Jack	Env. Health Spec.	1.00	\$42,786.49	0.70	0.25	0.05	0.75	0.25											
22105615	Greisen, Carla	Env. Health Spec.	0.44	\$17,148.00	0.06		0.38		0.44											
22076818	Harris, Joseph	Engineer Technician	1.00	\$33,020.73	1.00									1.00						
22105953	Harris, Robert	Engineer, P.E.	1.00	\$67,859.52	0.78		0.22	1.00												
22109218	Hilborn, Aaron	Engineer Supervisor	1.00	\$76,420.42	0.11		0.89		1.00											
22105750	Hines, Joshua	Env. Health Spec.	0.39	\$14,072.26	0.39									0.39						
22106202	Johnson, Steven	Env. Health Spec.	1.00	\$39,769.81	0.14	0.86				1.00										
22106395	Johnson, Thomas	Engineer, P.E.	1.00	\$69,088.05	0.04		0.96							1.00						
22105207	Jones, Lance	ADH Engineer Chief	1.00	\$89,058.10	0.55	0.05	0.40							1.00						
22106665	Jones, Mark	Env. Health Spec.	1.00	\$39,391.74	0.72	0.07	0.21					1.00								
22105906	Jones, Trent	Engineer	1.00	\$52,519.69	1.00		0.00	1.00												
22109519	Lee, Teresa	Chief, Technical Sup.	1.00	\$84,131.82	0.07	0.01	0.92							1.00						
22106935	Lee, Kaleb	Engineer Technician	1.00	\$33,727.44	1.00									1.00						
22106838	Michaels, Robin	Env. Health Spec.	1.00	\$43,144.22	1.00									1.00						
22105470	Mize, Charles	Engineer Technician	0.12	\$6,870.11	0.12									0.12						
22107118	Nutt, Andrew	ADH Env. Supv	1.00	\$73,996.47	-0.20		1.20		1.00											
22163678	Parker, Adam	Engineer	1.00	\$55,102.56	0.16		0.84							1.00						
22076817	Parker, Jeffrey	Engineer Technician	0.12	\$1,246.35	0.12									0.12						
22109403	Pavlovic, Emily	Env. Health Spec.	1.00	\$29,897.49	0.82		0.18			1.00										
22106342	Reaves, Robert	Engineer	1.00	\$54,174.99	0.30	0.00	0.69		1.00											
22106817	Relic, Becky	Env. Health Spec.	0.85	\$30,592.77	0.85					0.85										
22110513	Richter, Eric	Engineer Technician	0.72	\$21,187.77	0.72									0.72						
22109829	Riddle, Savannah	Env. Health Spec.	0.85	\$30,389.49	0.85					0.85										
22106108	Roberts, Christopher	Engineer Supervisor	1.00	\$73,125.47	0.19	0.05	0.76					1.00								
22106024	Roberts, Shada	Engineer, P.E.	1.00	\$66,749.38	0.95	0.01	0.04		1.00											
22104790	Robertson, Clay	ADH Env. Supv	1.00	\$45,010.10	1.00									1.00						
22106823	Routh, Darcia	Geology Supervisor	1.00	\$69,067.50	0.04	0.96				1.00										
22106309	Schleiff, Susanna	Env. Health Spec.	0.85	\$29,197.80	0.85			0.43		0.42										
22109218	Shaw, Andrew	Engineer	1.00	\$51,179.84	0.66	0.26	0.08					1.00								
22105580	Sohmer, David	Env. Health Spec.	1.00	\$37,809.28	0.62	0.18	0.20					1.00								
22105489	Starling, Stanley	Env. Health Spec.	1.00	\$40,760.26	0.94		0.06					1.00								
22105224	Stone, Jeffery	ADH Eng. Director	1.00	\$105,805.33	1.00									1.00						
22105585	Taylor, Dennis*	Engineer Supervisor	1.00	\$75,480.77						1.00										
22111755	Thompson Jr., Raymond	Engineer Supervisor	1.00	\$93,163.77	0.29	0.01	0.70						1.00							
22110035	Welytok, Vickie	Engineer	1.00	\$46,079.92	0.87		0.13	1.00												
22076783	Wheeler, Andrea	Engineer	0.20	\$8,692.24	0.20		0.00					0.10			0.10					
22111755	Wilson, Jack	Env. Health Spec.	1.00	\$45,391.75	0.83		0.17					1.00								
22109519	Youngblood, Stephen	Engineer Supervisor	1.00	\$74,221.77	0.20	0.14	0.67	1.00												
TOTALS					51.86	\$2,826,068.76		30.11	5.24	15.52			8.18	9.87	8.38	0.49	6.97	1.00	16.59	0.38
%													15.77%	19.03%	16.16%	0.94%	13.44%	1.93%	31.99%	0.73%

					Effort			Funding									
					SRF Set-Asides			Federal					State				
								DWSRF Set-Asides					Other Federal Grants				
Position #	Name	Position Title	Total FTE	Salary (Total)	ASRC	ASRB	ASRF	ASRC	ASRF	ASRB	AWPH	AWAT	ASGR	APWF	APLE	AWHF	
					SPM (FTE)	WHP (FTE)	Cap Dev (FTE)	SPM (FTE)	Cap Dev (FTE)	WHP (FTE)	ADEQ - WHP (FTE)	PWSS (FTE)	General Revenue (FTE)	PWS Service Fee (FTE)	Plan Review Fee Fund (FTE)	License Fees (FTE)	
IT Staff																	
22106586	Beard, Matthew	Computer Sup.Analyst	1.00	\$44,278.01	1.00							1.00					
22109788	Bradley, David	Software Sup.Analyst	1.00	\$78,879.22	0.97	0.03								1.00			
22107058	Hill, Steven	Geologist	1.00	\$57,909.81			1.00	0.33	0.67								
22104509	Mance, Margaret	Engineer Technician	1.00	\$38,112.85	1.00									1.00			
22105231	Thompson, Andrew	Systems Analyst	1.00	\$62,744.33	1.00							1.00					
22105749	Treadway, Gregory	Computer Sup.Coord	1.00	\$62,392.57	0.98	0.02								1.00			
22111469	Veluvolu, Ramesh	Software Sup.Analyst	1.00	\$55,518.76	1.00									1.00			
		TOTALS	7.00	\$399,835.55	5.95	0.05	1.00	0.33	0.67			2.00		4.00			
Admin. Staff																	
22106262	Adrow, Alaana	Admin. Spec II	0.52	\$12,015.64	0.33	0.07	0.12							0.52			
22105622	Eschbacher, Mollie	Admin. Spec II	0.67	\$14,018.21	0.42	0.09	0.15					0.67					
22105960	Gaston, Cathy	Admin. Analyst	1.00	\$42,452.73	0.63	0.14	0.23							1.00			
22105842	Green, Penelope	Admin. Spec II	1.00	\$39,648.65	0.63	0.14	0.23							1.00			
22105953	Hampton, Ida	Admin. Spec III	1.00	\$35,228.22			1.00		1.00								
22105622	Johnson, Anastasia	Admin. Spec II	0.01	\$78.66	0.01							0.01					
22106262	Lambert, Marcia	Admin. Spec II	1.00	\$43,515.47			1.00		1.00								
22106262	Lewis, Tauria	Admin. Spec II	1.00	\$31,028.69	0.63	0.14	0.23					1.00					
22111151	Petroff, Rosalyn	Admin. Spec III	1.00	\$37,685.75	0.63	0.14	0.23						1.00				
22104617	Ross, Shunte'	Admin. Spec II	1.00	\$27,328.10	0.63	0.14	0.23							1.00			
22111547	Summons, Sharon	Human Res Prog. Rep.	1.00	\$43,079.50	0.63	0.14	0.23							1.00			
22104661	Trimble, Mary	Budget Analyst	1.00	\$56,170.61	0.63	0.14	0.23							1.00			
		TOTALS	10.20	\$382,250.23	5.17	1.15	3.88	2.00				1.68	1.00	5.52			
		Engineering Grand Totals	69.06	\$3,608,154.54	41.23	6.43	20.40	8.51	12.54	8.38	0.49	10.65	2.00	26.11	0.38	0.00	

ADH Lab Staff Support for the Drinking Water Program - Funded by Meter Service Fees

					Effort			Funding								
					SRF Set-Asides			Federal					State			
								DWSRF Set-Asides					Other			
Position #	Name	Position Title	Total FTE	Salary (Total)	ASRC SPM (FTE)	ASRB WHP (FTE)	ASRF Cap Dev (FTE)	ASRC SPM (FTE)	ASRF Cap Dev (%)	ASRB WHP (FTE)	AWPH ADEQ-WHP (FTE)	AWAT PWSS (FTE)	ASGR General Revenue (FTE)	APWF PWS Service Fee (FTE)	APLE Plan Review Fee Fund (FTE)	AWHF License Fees (FTE)
Lab Staff																
22106678	Bailey, Laura	ADH Officer	0.40	\$14,583.67	-	-	-							0.40		
22104646	Biddle, Patricia	Senior Microbiologist	1.00	\$48,044.98	-	-	-							1.00		
22105255	Borst, Erin	Chemist	1.00	\$13,963.82	-	-	-							1.00		
22165497	Clark, Joey	Senior Chemist	1.00	\$35,543.24	-	-	-							1.00		
22109380	Colbert, Dionne	Laboratory Manager	1.00	\$60,016.88	-	-	-							1.00		
22106563	Dansby, Delilah	Laboratory Technician	1.00	\$6,437.62	-	-	-							1.00		
22105147	Donnerson, Carolyn	Warehouse Specialist	1.00	\$53,804.66	-	-	-							1.00		
22106040	Duke, David	Senior Chemist	1.00	\$68,319.56	-	-	-							1.00		
22106871	Enlow, Karron	Microbiologist	1.00	\$65,782.34	-	-	-							1.00		
22105402	Ferguson, Dorothy	Laboratory Manager	1.00	\$49,101.63	-	-	-							1.00		
22110868	Freres, Mary	Chemist	1.00	\$43,060.24	-	-	-							1.00		
22104860	Fuller, Megan	Chemist	1.00	\$23,273.03	-	-	-							1.00		
22105255	Goetz, Estate Of Christop	Chemist	1.00	\$14,539.15	-	-	-							1.00		
22106716	Gulley, Frederick	Laboratory Technician	1.00	\$38,647.05	-	-	-							1.00		
22106474	Henderson, Terri	Senior Chemist	1.00	\$67,859.74	-	-	-							1.00		
22105299	Jefferson, Benjamin	Senior Chemist	1.00	\$52,647.50	-	-	-							1.00		
22105402	Jefferson, Benjamin	Laboratory Manager	1.00	\$16,567.02	-	-	-							1.00		
22105521	Jordan, Alindria	Laboratory Manager	1.00	\$55,433.28	-	-	-							1.00		
22105299	Linz, Rhonda	Senior Chemist	1.00	\$3,556.14	-	-	-							1.00		
22105048	Madden, Fanchon	Chemist	1.00	\$42,522.60	-	-	-							1.00		
22106449	Mcgee, Charles	IT Coordinator	0.50	\$38,837.35	-	-	-							0.50		
22111353	Morris, Anderson	Senior Chemist	1.00	\$49,625.26	-	-	-							1.00		
22104860	Nelson, Melynda	Chemist	1.00	\$6,206.13	-	-	-							1.00		
22106336	Nix, Bryan	Laboratory Technician	1.00	\$26,434.43	-	-	-							1.00		
22105462	Parrish, Mark	Senior Chemist	1.00	\$67,859.62	-	-	-							1.00		
22106766	Pledger, Kersten	Microbiologist	1.00	\$42,509.08	-	-	-							1.00		
22106266	Randolph, Debra	Senior Chemist	1.00	\$49,406.03	-	-	-							1.00		
22107000	Rankin, Steven	Senior Chemist	1.00	\$67,859.66	-	-	-							1.00		
22105336	Sheridan, Gregory	Laboratory Manager	1.00	\$75,515.17	-	-	-							1.00		
22105303	Sims, Audrey	Senior Chemist	1.00	\$45,868.74	-	-	-							1.00		
22106479	Smith, Sandra	Laboratory Technician	1.00	\$31,804.52	-	-	-							1.00		
22106604	Troup, Timothy	Senior Chemist	1.00	\$68,008.50	-	-	-							1.00		
22106563	Tyra, Patsy	Laboratory Technician	1.00	\$17,920.00	-	-	-							1.00		
22165497	Wang, Junzuo	Senior Chemist	1.00	\$1,558.04	-	-	-							1.00		
22106646	Williams, Jayda	Laboratory Technician	1.00	\$27,659.89	-	-	-							1.00		
22105123	Wrightner, Rakara	Senior Microbiologist	1.00	\$47,920.14	-	-	-							1.00		
TOTALS					34.90	1,438,696.71	-	-	-					34.90		

** FTEs for Lab Staff in general are @ 1.0 per position. The information for making exact FTE determination for Lab staff is not available to Engineering.