



State of Arkansas

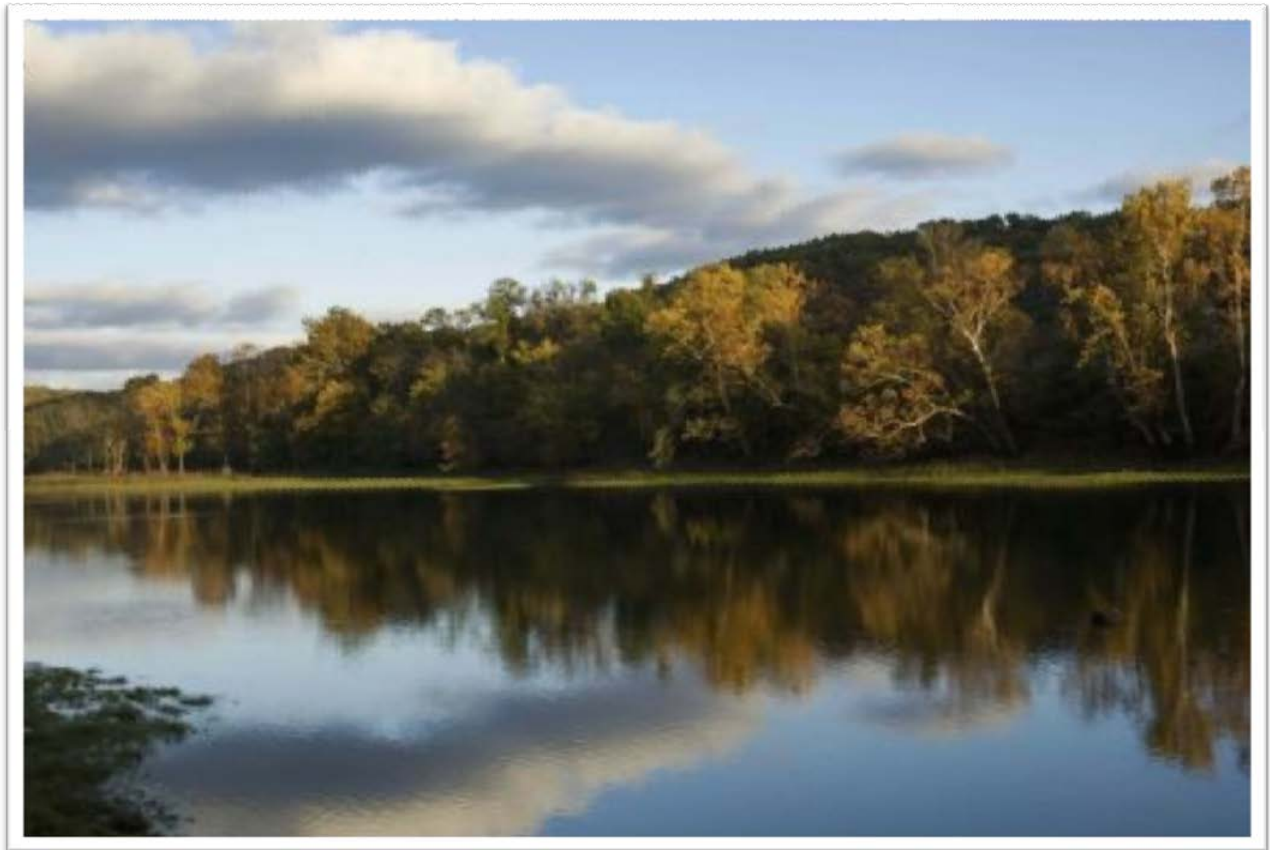


Arkansas Natural Resources Commission And Arkansas Department of Health



Safe Drinking Water Fund and State Revolving Loan Fund Program SFY 2019 Annual Report (July 1, 2018 – June 30, 2019)

Submitted to EPA October 4, 2019



ANRC Table of Contents

LIST OF ABBREVIATIONS	3
I. INTRODUCTION	4
II. PROJECTS AND AVAILABLE ASSISTANCE	5
III. GOALS	5
A. PROGRESS TOWARD SHORT-TERM GOALS.....	5
B. PROGRESS TOWARD LONG-TERM GOALS	7
C. PROGRESS TOWARD ENVIRONMENTAL RESULT GOALS	10
IV. SOURCES AND USES OF FUNDS.....	10
A. Sources of Drinking Water State Revolving Funding	10
1. Capitalization Grants	10
2. State Match	10
3. Leveraging of the Drinking Water State Revolving Fund.....	10
4. Cash Draw Ratio Proportionality	11
5. Principal Loan Repayments & Interest Earnings.....	11
6. Financing Fees	11
B. Uses of Drinking Water State Revolving Funds	11
1. Loan Assistance Status	11
2. Binding Commitments	11
3. Projects Bypassed	11
4. Small Systems	12
5. Disadvantaged Community Systems	12
6. Set-Aside Activity.....	12
C. FINANCIAL SUMMARY	12
1. Status of Loans	12
2. Loan Disbursements	13
3. Annual Repayment/Aging of Accounts.....	13
4. Loan Portfolio Analysis	13
5. Investments	13
6. Environmental Results.....	13
7. Transfer	13
D. COMPLIANCE WITH OPERATING AGREEMENT AND GRANT CONDITIONS.....	14
1. Federal Payment Schedule	14
2. Deposit State Matching Funds.....	14
3. Submit Biennial Report and Annual Audit.....	14
4. Assure Borrowers Have a Dedicated Source of Repayment.....	14
5. Use Funds in Timely and Expeditious Manner.....	15
6. Ensure Recipient Compliance with Applicable Federal Cross-Cutting Authorities	15
7. Fair Share Objectives (MBE – DBE)	15
8. Conduct Environmental Reviews.....	15
V. APPENDIX A – PROGRAM CHARTS.....	16
Chart 1 – Sources and Uses.....	17
Chart 2 – Loan Closings	18
Chart 3– Comparison of Grant Payments and Binding Commitments	19
Chart 4 – DWSRF Set-Asides (federal funds drawn)	20
Chart 5 – State Match	21
Chart 6 – Additional Subsidization by Cap Grant	22
VI. APPENDIX B – FINANCIAL STATEMENT & CAPACITY ANALYSIS.....	25
Appendix B-1 – Statement of Net Position	26
Appendix B-2 – Revenues, Expenses & Changes in Net Position.....	27
Appendix B-3 – Statement of Cash Flows	28
Appendix B-4 – Pace Calculations – Financial Indicators	29
Appendix B-5 – Capacity Analysis Bond Issuance	30



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 known 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

I. Introduction

The State of Arkansas hereby submits its Annual Report for the Drinking Water State Revolving Fund (DWSRF) program for State Fiscal Year (SFY) 2019, July 1, 2018, through June 30, 2019. This report addresses 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 set forth in the 2019 Intended Use Plan (IUP).

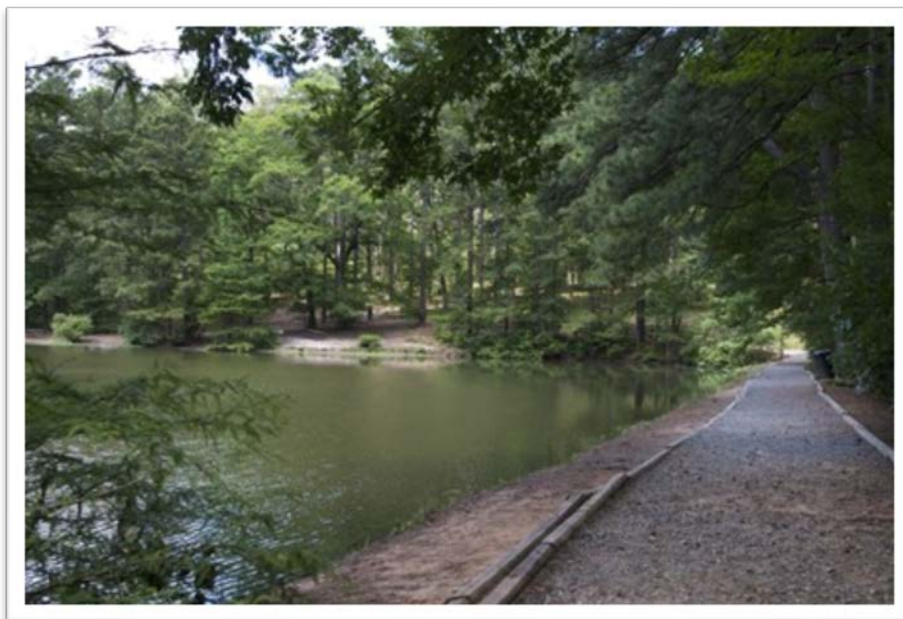
The State of Arkansas through Act 772 of 1997 established the Safe Drinking Water Fund (SDWF/DWSRF), to be administered by Arkansas Natural Resources Commission (ANRC). In April 1996, ANRC Title XV established the rules governing the SDWF.

Responsibilities for the DWSRF program are divided among the ANRC, 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 ADFA.

Arkansas submitted its SFY 2019 IUP to the Environmental Protection Agency (EPA) in August 2018 and an amended SFY 2019 IUP in January 2019.

The Intended Use Plan for SFY 2019 includes ANRC 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. Projects and Available Assistance

The DWSRF program expected to disburse approximately \$10 million to projects in SFY 2019.

During SFY 2019 the program disbursed \$15.7 million to projects. In addition, set aside expenditures were estimated at approximately \$4.5 million (this includes the administration set aside) to provide assistance to communities as well as to provide administration funding for both the Water Division and the ADH. A total of \$3.8 million was expended in SFY 2019 for set asides, including the administration set aside ([Chart 4](#)).

ANRC expended \$626,195 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](#).

III. 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 entering into nine (9) binding commitments for a total of \$25,678,100.

Of the nine (9) projects listed on the 2019 IUP fundable list, six (6) projects signed one or more bond purchase agreements during SFY 2019 ([Chart 2](#)). In addition, three (3) projects that were not on the fundable list signed binding commitments, Helena-West Helena, Watson Chapel Water Association, and Wooster. Total binding commitments for SFY19 totaled \$14,435,000.

The three (3) projects that failed to enter into a binding commitment prior to June 30, 2019 were unsuccessful in meeting required milestones, which prevented their ability to proceed to the bond purchase agreement and loan. However, Central Arkansas Water #4 closed the design portion of the loan in the amount of 2,500,000 in May 2019 and the construction portion of the loan closed on September 9, 2019. Both Gilham Lake RWA and Nashville are still working to complete the required milestones to proceed to signing a bond purchase agreement and loan closing.

2. Arkansas anticipates one (1) project will include components that meet green project reserve requirements.

Of the projects listed on the 2019 IUP fundable list two (2) projects anticipated eligible green components. Arkansas signed binding commitments for three (3) projects that included green eligible components during SFY 2019 ([Chart 2](#)). The Division disbursed \$ 5.2 million for Green Project Reserve in State Fiscal year 2019.

- 3. Arkansas anticipates five (5) projects that will meet the add sub requirements and three (3) project that will receive Disadvantaged Funds in the form of principal forgiveness.**

Arkansas signed binding commitments for five (5) loans that are eligible for principal forgiveness. Of the loans that received principal forgiveness, three (3) loans received principal forgiveness under the disadvantaged community program.

- 4. Complete set-aside work plans specifying funds from the capitalization grant. (Target Completion: Within 90 days of grant award)**

The 2018 Cap Grant was awarded on September 5, 2018 and amended on October 23, 2018. ADH submitted the work plan set asides (excluding administration) to EPA Region 6 in October 2018.

- 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 1400 (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.**

The ADH is responsible for developing the Priority System. They have developed a system that includes factors for projects that:

- a) address the most serious risk to human health,
- b) are necessary to ensure compliance with the requirements of the Safe Drinking Water Act, and
- c) assist systems most in need on a per household basis according to State affordability criteria.

The Priority System Questionnaire is sent to each Public Water System (PWS) in the state annually. The questionnaire describes the Priority System used by the Drinking Water State Revolving Fund program and lists the point values assigned to each category in the Priority System. The ADH sends the questionnaire to the Public Water Systems so they can add new projects to the Priority List. The ADH evaluates the questionnaires that are returned and assigns point values to the various categories. A project's total points are used to determine the project's ranking. The more points that a project receives, the higher it is placed on the priority list. The new projects are added to the projects which were not funded from the previous Priority List, and a new Priority List is assembled.

The only way a project can be placed on the Priority List is by an entity submitting a questionnaire for the project. Since submitting the questionnaire is a voluntary task, only projects that expect to be funded by the Drinking Water State Revolving Fund program are listed on the Priority List. Once the ADH prepares the Priority List, it is the Water Division's responsibility to create a Fundable List from the Priority List. The amended SFY 2019 IUP included 107 projects on the 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 2018 Cap grant within the first year and it was awarded on September 5, 2018 and amended on October 23, 2018. Furthermore, the FFY 2019 Cap grant application was submitted within the first year and is expected to be awarded on October 1, 2019.

- 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 2019 goals for these contracts are 1500 hours of on-site technical assistance including AWOP activities. Arkansas Department of Health also has a contract to work with small systems, which is providing infrastructure location by GPS coordinates and GIS mapping service. The goal for this contract is to map infrastructure for 45 small water systems.***

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

- 9. *The program is considering a contract with Northbridge to help with marketing and streamlining the processes for both CWRLF and DWSRF.***

A contract with Northbridge for help with marketing and streamlining the processes for either program was not sought in SFY 2019. The focus has been placed on the Transformation process and acquisition of financial tracking software for the program. However, this is an option that the management continues to consider for future years.

B. PROGRESS TOWARD LONG-TERM GOALS

Through their affiliation with the Water/Wastewater Advisory Committee (WWAC), the Division and the Arkansas Department of Health (ADH) continue to work together to address Safe Drinking Water Act compliance issues. The WWAC is a body composed of representatives from four State Agencies and United States Department Agriculture-Rural Development. It was established by the Governor to coordinate state and federal funding, provide technical feasibility and 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 C.

The one percent (1%) financing fee is deposited outside the Fund to cover additional expenses. Arkansas Natural Resources Commission realizes these funds are restricted by the Drinking Water regulations and Arkansas Natural Resources Commission 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 a body 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 regulatory reviews. WWAC members work together in 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.

In SFY 2013 Arkansas made changes to how its Lending Rates are determined. The Lending Rate is composed of two parts: the interest rate and the servicing fee. The initial objective for Arkansas Natural Resources Commission is to establish a Lending Rate for Clean Water State Revolving Fund loans at 80% of the current bond market's taxable or tax-exempt rate depending on whether the project qualifies for a taxable or tax-exempt rate.

The Lending Rate is determined using a formula that starts with a published list of daily market interest rates for a series of maturity dates for General Obligation Bonds. Those rates are modified to take into account that the Clean Water State Revolving Fund is a Revenue Bond program and then the series is converted to an average weighted value. That single rate is then multiplied by 80% to get the Lending Rate. 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 rising interest rates, on January 1, 2015 ANRC set the lending rates as follows:

- 1.5% for a ten (10) year repayment period
- 2.50% for a twenty (20) year repayment period
- 3.0% for a thirty (30) year repayment period.

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 2019. Instead, the focus was on marketing the program to increase fund utilization.

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

- **Hot Springs water/wastewater conference**
- **Arkansas Water Works & Water Environment Association Conference**
- **Arkansas Municipal League Convention**
- **Arkansas Rural Water Association Technical Conference**
- **Arkansas Office of Rural Services Conference**
- **Arkansas Energy Performance Contracting Summit**
- **Arkansas Water and Wastewater Manager Association Annual Meeting**

During the SFY 2019, ANRC 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 ANRC 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.

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 Safe Drinking Water Act requirements by combining the DWSRF program with other State and Federal funding programs.

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 (2) years of cap grant award, continuing to expend all funds in an expeditious and timely manner.**

Currently ANRC has two (2) cap grants with funds unspent, the 2017 and 2018 Cap Grants. The 2017 Cap Grant was awarded on August 24, 2017, ANRC 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 nine (9) loans to water systems.

Output 2 – Enter into binding commitments with seven (7) small systems and two (2) large systems during this fiscal year.

Of the nine (9) projects listed on the 2019 IUP fundable list, eleven (11) loans were closed for six (6) projects during SFY 2019. Of the eleven (11) loans that closed, zero were to a large system and eleven (11) were to small systems.

Output 3 – Arkansas Department of Health also has a contract to work with small systems, which is providing infrastructure location by GPS coordinates and GIS mapping service. Goals for these contracts are 45 assessments, and 2400 on-site man-hours of effort. Other anticipated efforts include 2 eight-hour training courses, 24 one-hour group training sessions and three CPEs.

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

IV. Sources and Uses of Funds

A. Sources of Drinking Water State Revolving Funding

1. Capitalization Grants

EPA has awarded Arkansas a total of \$286,508,300 in federal capitalization grants through the 2018 cap grant, including the ARRA capitalization grant in the amount of \$24,485,000.

2. State Match

Total State Match required through SFY 2019 (2018 Cap Grant) is \$52,406,260, of which \$3,342,200 in state match, for the 2018 Cap Grant, was deposited during SFY19 ([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 2019.

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 \$10,038,895 in principal loan repayments, \$2,733,752 in interest on outstanding loans; and \$2,273,129 in interest earnings on investments.

6. Financing Fees

The Lending Rate is determined using a formula that starts with a published list of daily market interest rates for a series of maturity dates for General Obligation Bonds. Those rates are modified to take into account that the Clean Water State Revolving Fund is a Revenue Bond program and then the series is converted to an average weighted value. That single rate is then multiplied by 80% to get the Lending Rate. 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 rising interest rates, on January 1, 2015, ANRC set the lending rates as follows:

- 1.5% for a ten (10) year repayment period
- 2.50% for a twenty (20) year repayment period
- 3.0% for a thirty (30) year repayment period.

B. Uses of Drinking Water State Revolving Funds

Arkansas Natural Resources Commission used Drinking Water State Revolving Funds to make loan disbursements of \$15,769,186 to water projects under construction. Of this amount, Federal funds of \$9,648,351 and State funds of \$4,217,443 were disbursed to loan recipients.

1. Loan Assistance Status

In this reporting period, Arkansas Natural Resources Commission closed eleven (11) loans; see [Chart 2](#) for additional details.

2. Binding Commitments

During the year binding commitments totaled \$14,435,000, which increased the adjusted cumulative total to \$295,841,500. The percentage of actual binding commitments to required binding commitments remained the same, compared to SFY 2018, at 133% ([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 2019 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 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), fifteen percent (15%) of state loan funds are to be available for loans to small water systems (population less than 10,000).

All nine (9) projects qualify as a small system. The cumulative amount of loans to small systems is \$172,945,253; which is 58% of total binding commitments ([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 also has a provision to extend the life of the loan from 20 to 30 years. Three (3) of the eleven (11) loans closed qualified as disadvantaged, of these one (1) loan has the extended term of 30 years. The cumulative amount of loans to disadvantaged systems is \$145,642,460 which is 49% of total binding commitments. ([Chart 2](#))

6. Set-Aside Activity

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

A total of \$626,195 in annual expenses was funded from the 4% set-aside for Drinking Water State Revolving Fund administration set aside during SFY 2019 ([Chart 4](#)). In addition, ADH expended \$3,204,195 in federal funds for program administration and other set-aside expenditures for the fiscal year Chart 4). Total set aside federal expenditures for SFY 2019 totaled 3.8 million.

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. 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 2019. 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, 2019, the Drinking Water State Revolving Fund has funded a total of \$295,841,500 in binding commitments ([Chart 3](#)). Loans receivable, which constitute the major portion of Drinking Water State Revolving Fund assets, had an ending balance of \$153,035,419 ([Appendix B-1](#)).

2. Loan Disbursements

Arkansas disbursed a total of \$15,769,186 during this reporting period. Of the total disbursed, \$9,648,351 was in Federal funds.

3. Annual Repayment/Aging of Accounts

Approximately \$10,038,895 in principal was repaid in SFY 2019. ANRC had four (4) loan delinquencies in SFY 2019.

Entity	Delinquent Amt.	Due Date
East Prairie	8,885.64	Oct-18
East Prairie	8,885.66	Apr-19
Thornton	35,911.50	Oct-18
Thornton	35,911.50	Apr-19
Thornton (<i>Construction Interest</i>)	14,062.50	Oct-17
Thornton (<i>Construction Interest</i>)	14,062.50	Apr-18
Strong	1,380.17	Jun-19
Prescott (<i>Construction Interest</i>)	10,065.44	Apr-19
Midway (<i>Construction Interest</i>)	453.12	Apr-19
Total	\$129,618.03	

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 2019 Arkansas Intended Use Plan, Arkansas reserved the authority to transfer up to thirty-three percent (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 2019.

D. 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 \$3,342,200 in SFY 2019 ([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 2019 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

Arkansas Natural Resources Commission staff conducts a credit review evaluation for all State Revolving Fund loan applicants. This evaluation determines whether or not 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 one hundred percent (100%) of all available loan funds through the FY2018 capitalization grant (FS986001-21). Public water systems with binding commitments are moving in an expeditious and timely manner to start construction. Arkansas Natural Resources Commission monitors construction progress through 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 of 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.

The fair share objective goals for MBE and WBE in SFY2019:

Type	MBE	WBE
Construction	14.70%	11.30%
Services	10.60%	23.40%
Supplies	4.50%	16.00%
Equipment	0.00%	2.30%

QTR		Cap Grant Amount*	MBE	%	WBE	%
1	Jul - Sept 2019	\$ 1,912,713.00	\$ 64,453.59	3.370%	\$ 8,543.48	0.447%
2	Oct - Dec 2019	2,321,031.00	0.00	0.000%	0.00	0.000%
3	Jan - Mar 2019	3,060,717.00	0.00	0.000%	171,112.36	5.591%
4	Apr - Jun 2019	2,353,890.00	0.00	0.000%	406,072.00	17.251%
Total		* \$9,648,351.00	\$ 64,453.59	0.668%	\$585,727.84	23.288%

Federal Draws by quarter: Documentation to support the good faith efforts are closely reviewed by the Division DBE Coordinator. All construction project 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 Division's Environmental Specialist's files or the project file maintained by the project administrator.

8. Conduct Environmental Reviews

The public water system projects receiving assistance during SFY 2019 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.

V. Appendix A – Program Charts

Chart 1 – Sources and Uses

<u>SOURCES OF FUNDS</u>		
Beginning Balance (06/30/2018)		101,297,479.46
<i>State Fiscal Year 2019</i>		
Federal Grant FFY 2018		12,165,610.00
State Match paid in SFY 2019 <i>(FFY18 Cap Grant)</i>		2,850,400.00
2017 Federal Cap Grant Balance <i>(Construction)</i>		5,247,256.70
Principal Repayments		10,038,895.00
Interest on Investments		2,273,129.00
Interest on Loans		812,487.00
Sub Total	\$	33,387,777.70
Total Sources of Funds	\$	134,685,257.16
<u>USES OF FUNDS</u>		
<i>DWSRF Loan Commitments for SFY 2019</i>		
ANRC Approved Loans <i>(not closed)</i>		118,622,000.00
ANRC Approved Loans <i>(closed, undisbursed funds)</i>		10,032,589.69
Sub Total	\$	128,654,589.69
<i>DWSRF Set-Aside Programs for SFY 2019</i>		
Administration		626,195.49
Small		64,093.62
State Program Management		1,217,939.10
Wellhead		627,508.75
Capacity Development Program (CD)		1,294,654.01
Sub Total	\$	3,830,390.97
<i>Debt Service Obligations</i>		
Leveraged Bond Principal		2,205,000.00
Leveraged Bond Interest		812,487.00
Sub Total	\$	3,017,487.00
Total Uses of Funds	\$	135,502,467.66
Available Funds	\$	(817,210.50)
<i>Fees are not deposited into the Fund; therefore, based on EPA guidance they are not included in the Sources and Uses for the Fund</i>		

Chart 2 – Loan Closings

NO.	Project Name Communities Served	Project Description	Project Number	Loan Number	Bond Purchase Date (B/C Date)	Loan Closing Date	Loan Closing Amount	Additional Subsidy	*Green Project Reserve	Estimated Disbursement Cut-Off Date	Estimated Loan Maturity Date	Combined Interest Rate	Term	Population Served (Project)	Categorical Exclusion or FONSI	**Small Systems (Population < 10,000)	Disadvantaged Community
1	Arkansas City (PF)	Replace water main, all service lines, meters, hydrants, valves, repainting and rehabilitating the tank	004-065	01134	07/09/18	07/09/18	2,750,000	2,750,000	2,200,000	04/15/20	04/15/20	0.0%	20	325	CE	2,750,000	2,750,000
2	Gould (PF)	Replace old water lines with PVC and old water meters with radio read meters	004-055	01118	03/01/19	03/01/19	1,600,000	1,600,000	1,600,000	03/01/21	04/15/20	0.0%	20	755	CE	1,600,000	0
3	Helena-W Helena	LED lighting and HVAC retrofits at all water owned buildings, a solar generation facility to offset a portion of the electric used at the water plant, and a complete replacement of all customer water meters with a new AMR system.	004-012	01063	03/31/19	03/06/19	4,200,000		4,200,000	03/31/21	10/15/51	0.5%	20	4,050	CE	4,200,000	0
4	Midway	880 Cust - Replace water meters – to capture revenue losses from aging meters and reduce operating costs for meter reading services.	004-098	01174	07/16/18	8/28/2018	550,000			10/15/21	10/15/2031	0.5%	10	1,084	CE	550,000	0
5	Prescott (L)	Replace raw water main to eliminate leaks.	004-050	1111	11/28/2018	11/28/2018	2,700,000			11/30/2020	10/15/2050	300.0%	30	3,860	CE	2,700,000	0
	Prescott (PF)	Replace raw water main to eliminate leaks.	004-050	00042	11/28/2018	11/28/2018	300,000	300,000		11/30/20	10/15/50	0.0%	30	3,860	CE	300,000	300,000
6	South Pike (PF)	Install 2 booster stations, including duplex pumps, pneumatic tanks, controls, backup power & necessary appurtenances to operate.	004-038	01098	08/14/18	08/23/18	360,000	360,000		08/30/20	04/15/41	0.0%	20	742	CE	360,000	360,000
7	Walker (L)	Blast and re-coat the interior and exterior of both storage tanks and other required repairs to tanks; replace a well pump and electrical controls	004-066	01135	10/04/18	10/30/18	150,000			04/15/21	04/15/31	2.8%	10	1,140	CE	150,000	0
	Walker (PF)	Blast and re-coat the interior and exterior of both storage tanks and other required repairs to tanks; replace a well pump and electrical controls	004-066	01136	10/04/18	10/30/18	550,000	550,000		04/15/21	04/15/31	0.0%	0	1,140	CE	550,000	0
8	Watson Chapel Water Assn (L)	Meter Replacent	004-113	01189	04/05/19	06/25/19	775,000			10/15/21	10/15/30	0.5%	10	6,112	CE	775,000	0
9	Wooster (L)	Meter Replacent	004-114	01190	05/15/19	06/25/19	500,000			10/15/21	10/15/30	2.5%	10	1,624	CE	500,000	0
SECTION 1452 LOANS CLOSED SFY 2019 TOTAL							\$ 14,435,000	\$ 5,560,000	\$ 8,000,000					24,692		\$ 14,435,000	\$ 3,410,000
TOTAL CUM SECTION 1452 LOANS (Binding Commitments through 6/30/18)							\$281,406,500	\$41,312,633	\$ 21,665,692							158,510,253	\$ 142,232,460
TOTAL CUM SECTION 1452 LOANS CLOSED / BINDING COMMITMENTS							\$ 295,841,500	\$ 46,872,633	\$ 29,665,692							\$ 172,945,253	\$ 145,642,460

* The green project reserve meets the Water Efficiency category.
GPR balance does not include \$4,965,000 ARRA

Percentage of Binding Commitments:

58%

49%

**Small systems are defined as systems with population of 10,000 or less
Deferred Loan, first prnt 4/15/21 or will be rolled into construction loan funding.

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			* Binding Commit. Required	Cum. Bind. Commit. Required	Binding Commit. Actual	Cum. Bind. Commit. Actual	% Actual/ Required
							Total Payment	Set-Asides	Loans	Total Payment	Set-Asides	Loans					
Jul - Sep 15	2016	1	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	2,899,032	178,552,103	3,200,000	261,454,147	146%
Oct - Dec 15		2	SFY16 Q2	FFY16 Q1	672,250	41,913,611	3,361,250	974,763	2,386,488	209,568,054	57,554,885	152,013,170	3,078,985	181,631,088	800,000	262,254,147	144%
Jan - Mar 16		3	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	3,078,985	184,710,073		262,254,147	142%
Apr - Jun 16		4	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	3,078,985	187,789,058		262,254,147	140%
Jul - Sep 16	2017	1	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	3,078,985	190,868,043	5,800,000	268,054,147	140%
Oct - Dec 16		2	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	3,058,738	193,926,780		268,054,147	138%
Jan - Mar 17		3	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	3,058,738	196,985,518		268,054,147	136%
Apr - Jun 17		4	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	3,058,738	200,044,255	6,580,000	274,634,147	137%
Jul - Sep 17	2018	1	SFY18 Q1	FFY17 Q4	639,950	43,898,061	3,179,750	1,102,470	2,077,280	232,370,804	64,889,052	167,481,752	3,058,738	203,102,993	2,600,000	277,234,147	136%
Oct - Dec 17		2	SFY18 Q2	FFY18 Q1	626,500	44,556,861	3,152,500	1,002,275	2,150,225	235,523,304	65,891,327	169,631,977	2,713,230	205,816,223	7,581,633	284,815,780	138%
Jan - Mar 18		3	SFY18 Q3	FFY18 Q2	630,500	45,196,811	3,152,500	1,002,275	2,150,225	238,675,804	66,893,602	171,782,202	2,713,230	208,529,453		284,815,780	137%
Apr - Jun 18		4	SFY18 Q4	FFY18 Q3	630,500	45,832,761	3,152,500	1,002,275	2,150,225	241,828,304	67,895,877	173,932,427	2,713,230	211,242,683	(3,409,280)	281,406,500	133%
Jul - Sep 18	2019	1	SFY19 Q1	FFY18 Q4	1,671,000	44,929,111	3,152,500	1,002,275	2,150,225	244,980,804	68,898,152	176,082,652	2,713,230	213,955,913	3,660,000	285,066,500	133%
Oct - Dec 18		2	SFY19 Q2	SFY19 Q1		43,930,361	4,177,750	1,136,348	3,041,402	249,158,554	70,034,500	179,124,054	2,780,725	216,736,638	3,700,000	288,766,500	133%
Jan - Mar 19		3	SFY19 Q3	FFY19 Q2	1,671,000	46,237,311	4,177,750	1,136,348	3,041,402	253,336,304	71,170,848	182,165,456	2,780,725	219,517,363	5,800,000	294,566,500	134%
Apr - Jun 19		4	SFY19 Q4	FFY19 Q3		45,202,261	4,177,750	1,136,348	3,041,402	257,514,054	72,307,196	185,206,858	2,780,725	222,298,088	1,275,000	295,841,500	133%
	TOTALS				\$ 51,707,661		\$ 261,691,804	\$ 73,443,544	\$ 188,248,260				\$ 236,709,669		\$ 295,841,500		

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

Summary of Funding for open SRF Capitalization Grant Set-Asides											
(as of 6/30/19)											
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
2014	Admin	4%	533,360.00		533,360.00	533,360.00	0.00	10/1/2014	Jul-14	Jan-15	9/30/2018
	SSTA	2%	270,680.00	270,680.00	0.00	0.00	0.00		N/A	N/A	
	SPM	10%	1,353,400.00		1,353,400.00	1,353,400.00	0.00		Aug-15	Sep-16	
	WHP	5%	676,700.00		676,700.00	676,700.00	0.00		Dec-15	Sep-16	
	Cap Dev	10%	1,353,400.00		1,353,400.00	1,353,400.00	0.00		Jan-16	Oct-16	
	Total	31%	4,187,540.00	270,680.00	3,916,860.00	3,916,860.00	0.00		Jul-14	Oct-16	
2015	Admin	4%	537,800.00		537,800.00	537,800.00	0.00	10/1/2015	Jan-15	Feb-17	9/30/2019
	SSTA	2%	268,900.00	268,900.00	0.00	0.00	0.00		N/A	N/A	
	SPM	10%	1,344,500.00		1,344,500.00	1,344,500.00	0.00		Sep-16	Jul-17	
	WHP	5%	672,250.00		672,250.00	672,250.00	0.00		Sep-16	Aug-17	
	Cap Dev	10%	1,344,500.00		1,344,500.00	1,344,500.00	0.00		Oct-16	Sep-17	
	Total	31%	4,167,950.00	268,900.00	3,899,050.00	3,899,050.00	0.00		Jan-15	Sep-17	
2016	Admin	4%	508,760.00		508,760.00	508,760.00	0.00	10/1/2016	Feb-17	Sep-17	9/30/2020
	SSTA	2%	254,380.00	(54,440.00)	308,820.00	308,820.00	0.00		Nov-16	Jan-18	
	SPM	10%	1,271,900.00		1,271,900.00	1,271,900.00	0.00		Jul-17	Nov-18	
	WHP	5%	635,950.00		635,950.00	635,950.00	0.00		Aug-17	Sep-18	
	Cap Dev	10%	1,271,900.00		1,271,900.00	1,271,900.00	0.00		Sep-17	Sep-18	
	Total	31%	3,942,890.00	(54,440.00)	3,997,330.00	3,997,330.00	0.00		Nov-16	Nov-18	
2017	Admin	4%	504,400.00		504,400.00	504,400.00		10/1/2017	Sep-17	Sep-18	9/30/2021
	SSTA	2%	252,200.00		252,200.00	252,200.00			Jan-18	Jul-18	
	SPM	10%	1,361,000.00		1,361,000.00	735,743.00	625,257.00		Nov-18	Jul-19	
	WHP	5%	630,500.00		630,500.00	496,692.00	133,808.00		Aug-19	Jul-19	
	Cap Dev	10%	1,261,000.00		1,261,000.00	884,594.00	376,406.00		Sep-18	Jul-19	
	Total	31%	4,009,100.00	0.00	4,009,100.00	2,873,629.00	1,135,471.00				
2018	Admin	4%	668,440.00		668,440.00	299,411.00	369,029.00	10/1/2018	Sep-18	Sep-19	9/30/2022
	SSTA	2%	334,220.00	334,220.00	0.00	0.00	0.00		TBD	TBD	
	SPM	10%	1,671,100.00	300,800.00	1,370,300.00	0.00	1,370,300.00		TBD	TBD	
	WHP	5%	835,550.00	0.00	835,550.00	0.00	835,550.00		TBD	TBD	
	Cap Dev	10%	1,671,100.00	0.00	1,671,100.00	0.00	1,671,100.00		TBD	TBD	
	Total	31.0%	5,180,410.00	635,020.00	4,545,390.00	299,411.00	4,245,979.00				
2019 Estimate	Admin	4.0%	662,200.00		662,200.00		662,200.00	10/1/2019	Sep-19	Sep-20	9/30/2023
	SSTA	2.0%	331,100.00	331,100.00	0.00		0.00		TBD	TBD	
	SPM	10.0%	1,655,500.00	400,000.00	1,255,500.00		1,255,500.00		TBD	TBD	
	WHP	5.0%	827,750.00		827,750.00		827,750.00		TBD	TBD	
	Cap Dev	10.0%	1,655,500.00		1,655,500.00		1,655,500.00		TBD	TBD	
	SWP	0.0%					0.00		TBD	TBD	
	Total	31.0%	5,132,050.00	731,100.00	4,400,950.00	0.00	4,400,950.00				
Reclaimed & Reserved	Admin			0.00				N/A			N/A
	SSTA			3,277,724.00			3,277,724.00		TBD	TBD	
	SPM			6,823,845.00			6,823,845.00		TBD	TBD	
	WHP			0.00			0.00		TBD	TBD	
	Cap Dev			0.00			0.00		TBD	TBD	
	SWP			0.00			0.00		TBD	TBD	
	Total		0.00	10,101,569.00	0.00	0.00	10,101,569.00				
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 19 Cap Grant)	Admin		3,414,960.00		3,414,960.00	2,383,731.00	1,031,229.00		TBD	TBD	N/A
	SSTA		1,711,480.00	3,277,724.00	561,020.00	561,020.00	0.00		TBD	TBD	
	SPM		8,657,400.00	6,823,845.00	7,956,600.00	4,705,543.00	3,251,057.00		TBD	TBD	
	WHP		4,278,700.00	0.00	4,278,700.00	2,481,592.00	1,797,108.00		TBD	TBD	
	Cap Dev		6,901,900.00	0.00	6,901,900.00	4,854,394.00	2,047,506.00		TBD	TBD	
	Total		24,964,440.00	10,101,569.00	23,113,180.00	14,986,280.00	8,126,900.00				

Chart 5 - State Match

Transaction Date	Accrued Interest #1001007607	State Match Deposited	Accrued Interest #7046000122	Deposited to #7046000122	Apply to Cap Grant:	Funding Source	Transferred to #7046000195	Description	Match Balance	Account Balance
07/01/2018									875,242.95	888,194.91
07/02/2018			1,813.47						875,242.95	890,008.38
07/27/2018					17 Match		(208,319.00)	CAW #3 - 6	666,923.95	681,689.38
07/27/2018					17 Match		(531,693.00)	CAW#4 - 2	135,230.95	149,996.38
07/27/2018					17 Match		(74,192.00)	Wooster (L) - 11	61,038.95	75,804.38
07/02/2018			1,813.47					Disbursements Subtotal:	(814,204.00)	61,038.95
08/01/2018			1,139.01						61,038.95	76,943.39
08/30/2018					17 Match		(61,038.95)	CAW#4 - 3	(0.00)	15,904.44
								Disbursements Subtotal:	(61,038.95)	1,015,904.44
08/31/2018		1,000,000.00			2018	GO Bond Grant			1,000,000.00	1,686,904.44
08/31/2018		671,000.00			2018	GO Bond Grant			1,671,000.00	1,686,904.44
09/01/2018									1,671,000.00	1,687,100.62
09/04/2018			196.18						1,671,000.00	1,381,265.62
09/27/2018					18 Match	GO Bond Grant	(305,835.00)	CAW #4 - 4	1,365,165.00	1,363,665.62
09/27/2018					18 Match	GO Bond Grant	(17,600.00)	CAW #3 - 8	1,347,565.00	1,345,666.62
09/27/2018					18 Match	GO Bond Grant	(17,999.00)	Wooster - 13	1,329,566.00	1,345,666.62
								Disbursements Subtotal:	(341,434.00)	1,329,566.00
10/01/2018									1,329,566.00	1,343,167.62
10/30/2018					18 Match	GO Bond Grant	(2,499.00)	Bearden - 5	1,327,067.00	883,901.62
10/30/2018					18 Match	GO Bond Grant	(459,266.00)	CAW#3 - 9	867,801.00	869,332.23
10/30/2018					18 Match	GO Bond Grant	(14,569.39)	CAW#3 - Cap I	853,231.61	774,738.23
10/30/2018					18 Match	GO Bond Grant	(94,594.00)	CAW#4 - 5	758,637.61	772,245.52
10/30/2018					18 Match	GO Bond Grant	(2,492.71)	CAW#4 - Cap I	756,144.90	736,150.52
10/30/2018					18 Match	GO Bond Grant	(36,095.00)	Eudora - 4	720,049.90	607,155.52
10/30/2018					18 Match	GO Bond Grant	(128,995.00)	Wooster - 14	591,054.90	548,695.52
10/30/2018					18 Match	GO Bond Grant	(58,460.00)	Walker WA - 1 Closing	532,594.90	551,190.13
								Disbursements Subtotal:	(796,971.10)	532,594.90
10/31/2018	2,494.61		21.01						532,594.90	537,142.68
11/01/2018									532,594.90	530,118.68
11/27/2018					18 Match	GO Bond Grant	(14,068.46)	Prescott (L) - 1 Closing	518,526.44	19,866.24
11/27/2018					18 Match	GO Bond Grant	(7,024.00)	Bearden - 6	511,502.44	18,616.24
11/27/2018					18 Match	GO Bond Grant	(510,252.44)	CAW#3 - 10	1,250.00	18,616.24
11/27/2018					18 Match	GO Bond Grant	(1,250.00)	Midway PWA - 2	(0.00)	20,839.14
								Disbursements Subtotal:	(532,594.90)	(0.00)
11/30/2018	2,222.90		28.24						(0.00)	20,867.38
12/01/2018									(0.00)	21,669.89
12/31/2018	802.51		27.82			GO Bond Grant			(0.00)	21,697.71
01/01/2019		1,671,200.00			2018	GO Bond Grant			1,671,200.00	1,692,897.71
01/28/2019					18 Match	GO Bond Grant	(179,463.00)	CAW #3	1,491,737.00	1,513,434.71
01/28/2019					18 Match	GO Bond Grant	(299,278.00)	CAW #4	1,192,459.00	1,214,156.71
01/28/2019					18 Match	GO Bond Grant	(279,525.00)	Midway PWA (L)	912,934.00	934,631.71
01/28/2019					18 Match	GO Bond Grant	(911,684.00)	Prescott (L)	1,250.00	22,947.71
01/28/2019					18 Match	GO Bond Grant	(1,250.00)	Wooster (L)	(0.00)	21,697.71
								Disbursements Subtotal:	(1,671,200.00)	(0.00)
01/31/2019	10.07		29.80			GO Bond Grant	2,492.71	CAW#4 - Cap I (10/30/18 reversed)	2,492.71	21,707.78
02/28/2019						GO Bond Grant	(2,492.71)	Midway PWA (L)	(0.00)	21,737.58
02/28/2019	2,178.93							Disbursements Subtotal:	0.00	24,230.29
02/28/2019			31.09						(0.00)	21,737.58
03/31/2019	17.53		28.15						(0.00)	23,947.60
04/31/2019	15.01		31.60						(0.00)	23,993.28
05/31/2019	14.68		30.90						(0.00)	24,039.89
06/30/2019	14.95		31.48						(0.00)	24,085.47

Chart 6 – Additional Subsidization by Cap Grant

Drinking Water Grant Requirements						
As of 6/30/19						
Additional Subsidization, Green Project, Disadvantaged Community Add Sub						
2010 Cap Grant Requirements (Award date 04/05/11) - CLOSED						
Minimum Required: \$6,161,700	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Project						
McNeil	00870-DWSRF-F	11/5/2012	11/5/2012	1,240,068	1,240,068	-
Norman	00871-DWSRF-F	6/22/2012	6/22/2012	2,239,005	2,239,005	-
Old Bella Vista	00894-DWSRF-F	10/23/2012	10/23/2012	-	-	-
Stephens	00873-DWSRF-F	11/5/2012	11/5/2012	630,000	630,000	-
FINAL - Grant Closed						
2010 Grant Totals				4,109,073	4,109,073	-
AR Targeted Amt:				4,109,073	Required	
(Over)/Under	FINAL - Grant Closed			0		
2011 Cap Grant Requirements (Award date 03/14/12) - CLOSED						
Minimum Required: \$4,276,510	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Project						
Bradley	00900-DWSRF-F	6/13/2013	6/13/2013			-
Chidester 1	00907-DWSRF-F	4/22/2013	4/22/2013	521,000	521,000	-
Stephens	00873-DWSRF-F	11/5/2012	11/5/2012	2,329,959	2,329,959	-
Wilton (PF)	00908-DWSRF-F	10/14/2013	10/14/2013	-	-	-
FINAL - Grant Closed						
2011 Grant Totals				2,850,959	2,850,959	-
AR Targeted Amt:				2,850,959	Required	
(Over)/Under	FINAL - Grant Closed			0		
2012 Cap Grant Requirements (Award date 05/14/12) - CLOSED 12/15/2018						
Minimum Required: \$2,716,400	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Maximum Allowed: \$4,074,600						
Project						
Chidester 1	00907-DWSRF-F	4/22/2013	4/22/2013	870,149	870,149	-
Wilton (L)	00908-DWSRF-L	10/14/2013	10/14/2013	195,014	195,014	-
Wilton (PF)	00908-DWSRF-F	10/14/2013	10/14/2013	530,000	530,000	-
Winthrop (L)	00910-DWSRF-L	10/21/2013	10/21/2013	266,340	266,340	-
Winthrop (PF)	00911-DWSRF-F	10/21/2013	10/21/2013	533,660	533,660	-
Lockesburg (PF)	00960-DWSRF-F	10/14/2014	10/14/2014	322,000	322,000	-
Waldo (PF)	00995-DWSRF-F	5/10/2015	5/10/2015			-
2012 Grant Totals				2,717,162	2,717,162	-
AR Targeted Amt:				2,716,400	(Discretionary)	
(Over)/Under	FINAL - Grant Closed			(762)		
2013 Cap Grant Requirements (Award date 9/12/13) - CLOSED 03/06/17						
Minimum Required: \$2,548,600	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Maximum Allowed: \$3,822,900						
Project						
Lockesburg (L)	00959-DWSRF-L	10/14/2014	10/14/2014	1,051,062	1,051,062	-
Lockesburg (PF)	00960-DWSRF-F	10/14/2014	10/14/2014	717,582	717,582	-
Strong	00976-DWSRF-F	5/12/2015	5/12/2015			-
Thornton (PF)	00986-DWSRF-F	5/11/2015	5/11/2015	9,355	9,355	-
Waldo (PF)	00995-DWSRF-F	5/10/2015	5/10/2015			-
Wilton (PF)	00908-DWSRF-F	10/14/2013	10/14/2013	365,613	365,613	0
Winthrop (PF)	00911-DWSRF-F	10/21/2013	10/21/2013	247,940	247,940	-
2013 Grant Totals				2,391,552	2,391,552	-
AR Targeted Amt:				2,548,600	(Discretionary)	
(Over)/Under	FINAL - Grant Closed			157,048		

2014 Cap Grant Requirements (Award date 09/29/14) Anisa Plans to Close this grant March 1, 2019 - don't change anything here or PBR						
Minimum Required: \$2,706,800	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Maximum Allowed: \$4,060,200						
Project						
Chidester 2	00955-DWSRF-F	11/2/2015	11/2/2015			
Waldo (PF)	00995-DWSRF-F	5/10/2015	5/10/2015			-
Thornton (L)	00986-DWSRF-L	5/11/2015	5/11/2015	1,077,750	1,077,750	-
Thornton (PF)	00986-DWSRF-F	5/11/2015	5/11/2015	836,371	836,371	-
Strong	00976-DWSRF-F	5/12/2015	5/12/2015			-
Old Bella Vist POA	01063-DWSRF-F	10/4/2017	10/4/2017			
Stamps (PF)	01081-DWSRF-F	12/5/2017	12/5/2017			
Marshall (PF)	01062-DWSRF-F	05/15/2018	05/15/2018			
2014 Grant Totals				1,914,121	1,914,121	-
Minimum (Over) / Under				2,706,800	(Discretionary)	
Maximum (Over) / Under				792,679		
2015 Cap Grant Requirements (Award date 09/02/15)						
Minimum Required: \$2,689,000	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Maximum Allowed: \$4,033,500						
Project						
Eudora (PF)	01041-DWSRF-F	6/1/2017	6/1/2017	2,689,000	2,689,000	
Marshall (PF)	01062-DWSRF-F	05/15/2018	05/15/2018			
Gould (PF)	01118-DWSRF-F	02/28/2019	02/28/2019			-
South Pike County Water (PF)	01098-DWSRF-F	08/14/2018	08/23/2018			-
Walker WA (PF)	01136-DWSRF-F	10/03/2018	10/03/2018			
Stamps (PF)	01081-DWSRF-F	12/05/2017	12/05/2017			-
2015 Grant Totals				2,689,000	2,689,000	-
Minimum (Over) / Under				2,689,000		
Maximum (Over) / Under				0		
2016 Cap Grant Requirements (Award date 08/24/16)						
Minimum Required: \$2,543,800	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Maximum Allowed: \$2,543,800						
Project						
Eudora (PF)	01041-DWSRF-F	06/01/2017	06/01/2017	156,732	156,732	0
Eudora (L)	01042-DWSRF-L	06/01/2017	06/01/2017	250,000	152,562	97,438
Huttig (PF)	01080-DWSRF-F	07/18/2017	07/18/2017	1,575,000	1,503,705	71,295
Huttig (L)	01079-DWSRF-L	07/18/2017	07/18/2017	525,000	525,000	-
Stamps (PF)	01081-DWSRF-F	12/05/2017	12/05/2017			-
Arkansas City (PF)	01134-DWSRF-F	07/09/2018	07/09/2018			
Gillham Lake RWA (PF) not closed	Not Closed	Not Closed	Not Closed			-
2016 Grant Totals				2,506,732	2,337,998	168,733
Minimum (Over) / Under				2,543,800	(Discretionary)	
Maximum (Over) / Under				37,068		
2017 Cap Grant Requirements (Award date 08/24/17) 12,610,000						
Minimum Required: \$2,522,000	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Maximum Allowed: \$2,522,000						
Project						
Arkansas City (PF)	01134-DWSRF-F	07/09/2018	07/09/2018			
Prescott (PF)	01112-DWSRF-F	11/14/2018	11/14/2018			
Stamps (PF)	01081-DWSRF-F	12/05/2017	12/05/2017	2,581,633	2,222,077	359,556
Huttig (PF)	01080-DWSRF-F	07/18/2017	07/18/2017			-
Dumas (PF) not closed	Not Closed	Not Closed	Not Closed			
Omaha (PF) not closed	01175-DWSRF-F	Not Closed	Not Closed			
Wright-Pastoria (PF) not closed	01176-DWSRF-F	Not Closed	Not Closed			
2017 Grant Totals				2,581,633	2,222,077	359,556
Minimum (Over) / Under				2,522,000	(Discretionary)	
Maximum (Over) / Under				(59,633)		

2018 Cap Grant Requirements (Award date 09/5/18)		16,711,000				
Minimum Required: \$3,342,200	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Project						
Helena - W. Helena (L)	01063-DWSRF-L	03/31/2019	03/06/2019	4,200,000	1,582,820	2,617,180
Dumas (PF) not closed	Not Closed	Not Closed	Not Closed			
Gillham Lake RWA (PF) not closed	Not Closed	Not Closed	Not Closed			-
2018 Grant Totals				-	-	-
Minimum (Over) / Under				3,342,200	(Discretionary)	
Maximum (Over) / Under				3,342,200		
2019 Cap Grant Requirements (Award date ??/??/19)		16,555,000				
Minimum Required: \$3,311,000	Loan Number	Bond Purch. Agreement Date	Loan Closing Date	GPR Allocated	GPR Expensed	GPR Balance
Project						
Gillham Lake RWA (PF) not closed	Not Closed	Not Closed	Not Closed			
2019 Grant Totals				-	-	-
Minimum (Over) / Under				3,311,000	(Discretionary)	
Maximum (Over) / Under				3,311,000		
Grand Totals	Add Sub (PF)	Add Sub (PF)	Add Sub (PF)			
	Required Amt.	Allocated	Expensed			
	\$ 26,985,010	\$ 30,994,487	\$ 24,012,235			

VI. Appendix B – Financial Statement & Capacity Analysis

Appendix B-1 – Statement of Net Position

STATEMENT OF NET POSITION		
YEARS ENDING JUNE 30, 2019 and June 30, 2018		
	2019 (UNAUDITED)	2018 (AUDITED)
ASSETS		
<i>Current Assets</i>		
Cash and cash equivalents	\$ 73,271,636	\$ 73,590,269
Accrued interest receivable:		
Investment	\$ 170,540	\$ 215,218
Loans	\$ 38,555	\$ 32,445
Accounts receivable:	\$ -	
Borrowers	\$ 24,390	\$ 18,685
EPA	\$ 437,207	\$ 559,231
Investments - current portion	\$ 45,550,629	\$ 29,932,484
<i>Total Current Assets</i>	\$ 119,492,957	\$ 104,348,332
<i>Noncurrent Assets</i>		
Investments - restricted		\$ 3,956,800
Loans receivable - restricted		
Constructon	\$ 153,373,339	\$ 153,035,419
NE Arkansas PWA	\$ 3,595,190	\$ 3,595,190
<i>Total Noncurrent Assets</i>	\$ 156,968,529	\$ 160,587,409
TOTAL ASSETS	\$ 276,461,486	\$ 264,935,741
LIABILITIES		
<i>Current Liabilities</i>		
Accounts payable	\$ 444,579	\$ 468,805
Accrued interest payable	\$ 58,520	\$ 67,707
Bonds payable-current portion	\$ 2,065,000	\$ 2,205,000
<i>Total Current Liabilities</i>	\$ 2,568,099	\$ 2,741,512
<i>Noncurrent Liabilities</i>		
Bonds payable-net of unamortized premiums	\$ 14,184,977	\$ 16,538,729
<i>Total Noncurrent Liabilities</i>	\$ 14,184,977	\$ 16,538,729
TOTAL LIABILITIES	\$ 16,753,076	\$ 19,280,242
NET ASSETS		
Restricted for program administration	\$ 259,708,409	\$ 245,655,498

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

COMBINING STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION			
YEARS ENDING JUNE 30, 2019 and June 30, 2018			
	2019	2018	
	(UNAUDITED)	(UNAUDITED)	
<u>OPERATING REVENUES</u>			
Interest on:			
Investments	\$ 2,228,452	\$ 1,542,515	
Loans	\$ 2,739,395	\$ 2,752,453	
Financing fees	\$ 1,556,584	\$ 1,542,559	
Net depreciation of investments	\$ 640,692	\$ (193,487)	
 Total Operating Revenues	 \$ 7,165,123	 \$ 5,644,040	
<u>OPERATING EXPENSES</u>			
Program Administration	\$ 170,952	\$ 173,018	
Federal financial assistance programs	\$ 5,392,372	\$ 5,671,623	
Base federal grants			
Bond Interest	\$ 803,300	\$ 893,383	
Amortization of bond premiums	\$ (288,753)	\$ (321,134)	
 Total Operating Expenses	 \$ 6,077,871	 \$ 6,416,890	
<u>OPERATING Income (Loss)</u>	 \$ 1,087,252	 \$ (772,850)	
<u>NON-OPERATING REVENUE</u>			
Base federal grants	\$ 13,356,719	\$ 9,728,707	
State Contributions	\$ -	\$ -	
<u>INCOME BEFORE TRANSFERS OUT</u>	 \$ 14,443,971	 \$ 8,955,857	
Transfers (Out) In	\$ (391,057)	\$ (3,959,989)	
 Change in Net Position	 \$ 14,052,914	 \$ 4,995,868	
<u>NET POSITION</u>			
Beginning of year	\$ 245,655,499	\$ 240,659,631	
End of year	\$ 259,708,413	\$ 245,655,499	

Appendix B-3 – Statement of Cash Flows

STATEMENT OF CASH FLOWS		
YEARS ENDING JUNE 30, 2019 and June 30, 2018		
	2019 (UNAUDITED)	2018 (AUDITED)
<u>OPERATING ACTIVITIES</u>		
Financing fees received	\$ 1,550,879	\$ 1,631,374
Cash paid for program administration	\$ (149,706)	\$ (166,158)
	\$ -	\$ -
Net cash provided by operating activities	\$ 1,401,173	\$ 1,465,216
<u>NON-CAPITAL FINANCING ACTIVITIES</u>		
Repayment of long-term debt	\$ (2,205,000)	\$ (1,765,000)
Cash paid for interest	\$ (812,487)	\$ (900,738)
Transfer In (Out)	\$ (436,995)	\$ (4,217,951)
Nonoperation grants received	\$ 13,478,742	\$ 9,893,286
Net cash (used in) provided by non capital financing activities	\$ 10,024,259	\$ 3,009,597
<u>INVESTING ACTIVITIES</u>		
Interest received on investments	\$ 2,273,129	\$ 1,513,717
Interest received on loans	\$ 2,733,752	\$ 2,915,325
Principal repayments on loans	\$ 10,038,895	\$ 9,052,359
Loan disbursements	\$ (10,376,814)	\$ (4,328,104)
Federal grant funds expended	\$ (5,392,372)	\$ (5,671,623)
Proceeds from sale of Investments	\$ 29,960,300	\$ 24,037,309
Purchase of investments	\$ (40,980,953)	
Net Cash provided by investing activities	\$ (11,744,064)	\$ 27,518,983
(Decrease) Increase in Cash and Cash Equivalents	\$ (318,632)	\$ 31,993,797
<u>CASH AND CASH EQUIVALENTS:</u>		
Beginning of year	\$ 73,590,269	\$ 41,596,472
End of Year	\$ 73,271,636	\$ 73,590,269
<u>RECONCILIATION OF OPERATING INCOME TO NET CASH (Used) IN OPERATING ACTIVITIES:</u>		
Operating Income (Loss)	\$ 1,087,252	\$ (772,850)
Items not providing operating activities cash flows:		
Interest on loans	\$ (2,228,452)	\$ (1,542,515)
Interest on investments	\$ (2,739,395)	\$ (2,752,453)
Bond interest paid	\$ 803,300	\$ 893,383
Amortization of bond premiums	\$ (288,753)	\$ (321,134)
Net depreciation (appreciation) of investments	\$ (640,692)	\$ 193,487
Federal grants expended	\$ 5,392,372	\$ 5,671,623
Changes in		
Accounts receivable		
Borrowers	\$ (5,705)	\$ 88,815
Accounts Payable	\$ 21,246	\$ 6,860
Net cash used in operating activities	\$ 1,401,173	\$ 1,465,216

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%
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	\$ 403,745,588	73.27%
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%
***Note: All data from NIMS which includes ARRA totals			

Appendix B-5 – Capacity Analysis Bond Issuance

Arkansas Development Finance Authority / Arkansas Natural Resources Commission

Preliminary 2019 Drinking Water SRF Capacity Analysis

Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current level with 1.75% loan rate)

Summary of Projected Program Capacity

Loan Funding Sources					Loan Funding Uses									
Fiscal Year	Bonds Sold	Assumed Bond Rate	Federal Cap Grant	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 2.41%	(3) Cumulative Inflation Adjusted Total New Loans at	(1) Effective Loan Rate	Effective Subsidy
2020	-	2.33%	11,754,050	3,311,000	9,139,291	-	135,477,078	-	135,477,078	135,477,078	135,477,078	135,477,078	0.73%	67.81%
2021	-	2.33%	11,754,050	3,311,000	10,920,802	-	25,985,852	-	25,985,852	161,462,929	25,368,881	160,845,958	0.73%	67.81%
2022	-	2.33%	-	-	18,396,627	-	18,396,627	-	18,396,627	179,859,556	17,533,431	178,379,389	0.73%	67.81%
2023	-	2.33%	-	-	19,953,590	-	19,953,590	-	19,953,590	199,813,146	18,565,818	196,945,206	0.73%	67.81%
2024	-	2.33%	-	-	20,744,410	-	20,744,410	-	20,744,410	220,557,556	18,843,366	211,788,572	0.73%	67.81%
2025	-	2.33%	-	-	21,486,557	-	21,486,557	-	21,486,557	242,044,113	19,054,106	234,842,678	0.73%	67.81%
2026	-	2.33%	-	-	22,308,872	-	22,308,872	-	22,308,872	264,352,985	19,313,621	254,156,298	0.73%	67.81%
2027	-	2.33%	-	-	23,213,100	-	23,213,100	-	23,213,100	287,566,085	19,619,303	273,775,601	0.73%	67.81%
2028	-	2.33%	-	-	23,476,456	-	23,476,456	-	23,476,456	311,042,541	19,370,789	293,146,391	0.73%	67.81%
2029	-	2.33%	-	-	23,949,410	-	23,949,410	-	23,949,410	334,991,951	19,291,853	312,438,244	0.73%	67.81%
2030	-	2.33%	-	-	24,696,983	-	24,696,983	-	24,696,983	359,688,935	19,421,706	331,859,950	0.73%	67.81%
2031	-	2.33%	-	-	25,376,553	-	25,376,553	-	25,376,553	385,065,487	19,482,310	351,342,260	0.73%	67.81%
2032	-	2.33%	-	-	26,126,308	-	26,126,308	-	26,126,308	411,191,795	19,581,692	370,923,952	0.73%	67.81%
2033	-	2.33%	-	-	26,596,632	-	26,596,632	-	26,596,632	437,788,427	19,460,911	390,384,863	0.73%	67.81%
2034	-	2.33%	-	-	27,111,944	-	27,111,944	-	27,111,944	464,900,371	19,366,963	409,751,826	0.73%	67.81%
2035	-	2.33%	-	-	27,455,700	-	27,455,700	-	27,455,700	492,356,071	19,146,867	428,896,693	0.73%	67.81%
2036	-	2.33%	-	-	28,258,086	-	28,258,086	-	28,258,086	520,614,157	19,238,548	448,137,242	0.73%	67.81%
2037	-	2.33%	-	-	29,055,418	-	29,055,418	-	29,055,418	549,669,575	19,311,724	467,448,965	0.73%	67.81%
2038	-	2.33%	-	-	29,563,929	-	29,563,929	-	29,563,929	579,233,503	19,183,171	486,635,136	0.73%	67.81%
2039	-	2.33%	-	-	31,026,118	-	31,026,118	-	31,026,118	610,259,622	19,653,939	506,286,095	0.73%	67.81%
TOTAL	-		33,508,100	6,622,000	468,856,785	-	610,259,622	-	610,259,622		506,286,095			

(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>6/1/2060</i>
To-Date Capitalization to Preserve:	223,894,267
Assumed Future Capitalization:	30,130,100
Total Preservation Requirement:	254,024,367
Equity Fund Balance on 6/1/2060:	342,596,860
Perpetuity Excess/(Shortfall):	88,572,493

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2019 Drinking Water SRF Capacity Analysis
Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (curr

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
2020	11,906,529	11,906,529	2,767,238	9,139,291	(9,139,291)	4.30x
2021	13,504,789	13,504,789	2,583,988	10,920,802	(10,920,802)	5.23x
2022	20,796,364	20,796,364	2,399,738	18,396,627	(18,396,627)	8.67x
2023	22,258,327	22,258,327	2,304,738	19,953,590	(19,953,590)	9.66x
2024	22,954,147	22,954,147	2,209,738	20,744,410	(20,744,410)	10.39x
2025	23,576,295	23,576,295	2,089,738	21,486,557	(21,486,557)	11.28x
2026	24,294,860	24,294,860	1,985,988	22,308,872	(22,308,872)	12.23x
2027	24,248,475	24,248,475	1,035,375	23,213,100	(23,213,100)	23.42x
2028	24,252,706	24,252,706	776,250	23,476,456	(23,476,456)	31.24x
2029	23,949,410	23,949,410	-	23,949,410	(23,949,410)	n/a
2030	24,696,983	24,696,983	-	24,696,983	(24,696,983)	n/a
2031	25,376,553	25,376,553	-	25,376,553	(25,376,553)	n/a
2032	26,126,308	26,126,308	-	26,126,308	(26,126,308)	n/a
2033	26,596,632	26,596,632	-	26,596,632	(26,596,632)	n/a
2034	27,111,944	27,111,944	-	27,111,944	(27,111,944)	n/a
2035	27,455,700	27,455,700	-	27,455,700	(27,455,700)	n/a
2036	28,258,086	28,258,086	-	28,258,086	(28,258,086)	n/a
2037	29,055,418	29,055,418	-	29,055,418	(29,055,418)	n/a
2038	29,563,929	29,563,929	-	29,563,929	(29,563,929)	n/a
2039	31,026,118	31,026,118	-	31,026,118	(31,026,118)	n/a
2040	32,563,971	32,563,971	-	32,563,971	(32,563,971)	n/a
2041	33,745,868	33,745,868	-	33,745,868	(33,745,868)	n/a
2042	26,080,107	26,080,107	-	26,080,107	(26,080,107)	n/a
2043	24,472,981	24,472,981	-	24,472,981	(24,472,981)	n/a
2044	23,480,967	23,480,967	-	23,480,967	(23,480,967)	n/a
2045	22,404,888	22,404,888	-	22,404,888	(22,404,888)	n/a
2046	21,286,142	21,286,142	-	21,286,142	(21,286,142)	n/a
2047	20,127,361	20,127,361	-	20,127,361	(20,127,361)	n/a
2048	18,924,214	18,924,214	-	18,924,214	(18,924,214)	n/a
2049	17,672,289	17,672,289	-	17,672,289	(17,672,289)	n/a
2050	16,166,888	16,166,888	-	16,166,888	(16,166,888)	n/a
2051	14,872,886	14,872,886	-	14,872,886	(14,872,886)	n/a
2052	13,538,493	13,538,493	-	13,538,493	(13,538,493)	n/a
2053	12,167,381	12,167,381	-	12,167,381	(12,167,381)	n/a
2054	10,755,760	10,755,760	-	10,755,760	(10,755,760)	n/a
2055	9,318,728	9,318,728	-	9,318,728	(9,318,728)	n/a
2056	7,853,852	7,853,852	-	7,853,852	(7,853,852)	n/a
2057	6,370,403	6,370,403	-	6,370,403	(6,370,403)	n/a
2058	4,843,601	4,843,601	-	4,843,601	(4,843,601)	n/a
2059	3,273,719	3,273,719	-	3,273,719	(3,273,719)	n/a
2060	1,676,361	1,676,361	-	1,676,361	(1,676,361)	n/a
	828,606,433	828,606,433	18,152,788	810,453,645	(810,453,645)	

Arkansas Development Finance Authority / Arkansas Natural Resources Commission

Preliminary 2019 Drinking Water SRF Capacity Analysis

Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current)

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
2020	11,906,529	-	-	-	-	11,906,529
2021	12,488,711	-	1,016,078	-	-	13,504,789
2022	13,281,558	-	7,514,806	-	-	20,796,364
2023	13,396,408	-	8,861,919	-	-	22,258,327
2024	13,086,570	-	9,867,577	-	-	22,954,147
2025	12,624,681	-	10,951,614	-	-	23,576,295
2026	12,216,846	-	12,078,013	-	-	24,294,860
2027	11,003,362	-	13,245,113	-	-	24,248,475
2028	9,795,449	-	14,457,257	-	-	24,252,706
2029	8,235,959	-	15,713,451	-	-	23,949,410
2030	7,711,538	-	16,985,446	-	-	24,696,983
2031	7,091,499	-	18,285,054	-	-	25,376,553
2032	6,501,763	-	19,624,545	-	-	26,126,308
2033	5,595,353	-	21,001,279	-	-	26,596,632
2034	4,695,517	-	22,416,427	-	-	27,111,944
2035	3,598,375	-	23,857,325	-	-	27,455,700
2036	2,933,307	-	25,324,779	-	-	28,258,086
2037	2,241,173	-	26,814,245	-	-	29,055,418
2038	1,216,901	-	28,347,028	-	-	29,563,929
2039	1,105,394	-	29,920,724	-	-	31,026,118
2040	1,034,923	-	31,529,048	-	-	32,563,971
2041	773,155	-	32,972,713	-	-	33,745,868
2042	427,306	-	25,652,801	-	-	26,080,107
2043	224,212	-	24,248,769	-	-	24,472,981
2044	226,179	-	23,254,788	-	-	23,480,967
2045	228,206	-	22,176,682	-	-	22,404,888
2046	230,293	-	21,055,849	-	-	21,286,142
2047	232,444	-	19,894,917	-	-	20,127,361
2048	234,660	-	18,689,554	-	-	18,924,214
2049	236,954	-	17,435,336	-	-	17,672,289
2050	-	-	16,166,888	-	-	16,166,888
2051	-	-	14,872,886	-	-	14,872,886
2052	-	-	13,538,493	-	-	13,538,493
2053	-	-	12,167,381	-	-	12,167,381
2054	-	-	10,755,760	-	-	10,755,760
2055	-	-	9,318,728	-	-	9,318,728
2056	-	-	7,853,852	-	-	7,853,852
2057	-	-	6,370,403	-	-	6,370,403
2058	-	-	4,843,601	-	-	4,843,601
2059	-	-	3,273,719	-	-	3,273,719
2060	-	-	1,676,361	-	-	1,676,361
	164,575,226	-	664,031,207	-	-	828,606,433

Arkansas Development Finance Authority / Arkansas Natural Resources Commission

Preliminary 2019 Drinking Water SRF Capacity Analysis

Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current)

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
2020	11,906,529	-	-	-	-	11,906,529
2021	12,488,711	-	1,016,078	-	-	13,504,789
2022	13,281,558	-	7,514,806	-	-	20,796,364
2023	13,396,408	-	8,861,919	-	-	22,258,327
2024	13,086,570	-	9,867,577	-	-	22,954,147
2025	12,624,681	-	10,951,614	-	-	23,576,295
2026	12,216,846	-	12,078,013	-	-	24,294,860
2027	11,003,362	-	13,245,113	-	-	24,248,475
2028	9,795,449	-	14,457,257	-	-	24,252,706
2029	8,235,959	-	15,713,451	-	-	23,949,410
2030	7,711,538	-	16,985,446	-	-	24,696,983
2031	7,091,499	-	18,285,054	-	-	25,376,553
2032	6,501,763	-	19,624,545	-	-	26,126,308
2033	5,595,353	-	21,001,279	-	-	26,596,632
2034	4,695,517	-	22,416,427	-	-	27,111,944
2035	3,598,375	-	23,857,325	-	-	27,455,700
2036	2,933,307	-	25,324,779	-	-	28,258,086
2037	2,241,173	-	26,814,245	-	-	29,055,418
2038	1,216,901	-	28,347,028	-	-	29,563,929
2039	1,105,394	-	29,920,724	-	-	31,026,118
2040	1,034,923	-	31,529,048	-	-	32,563,971
2041	773,155	-	32,972,713	-	-	33,745,868
2042	427,306	-	25,652,801	-	-	26,080,107
2043	224,212	-	24,248,769	-	-	24,472,981
2044	226,179	-	23,254,788	-	-	23,480,967
2045	228,206	-	22,176,682	-	-	22,404,888
2046	230,293	-	21,055,849	-	-	21,286,142
2047	232,444	-	19,894,917	-	-	20,127,361
2048	234,660	-	18,689,554	-	-	18,924,214
2049	236,954	-	17,435,336	-	-	17,672,289
2050	-	-	16,166,888	-	-	16,166,888
2051	-	-	14,872,886	-	-	14,872,886
2052	-	-	13,538,493	-	-	13,538,493
2053	-	-	12,167,381	-	-	12,167,381
2054	-	-	10,755,760	-	-	10,755,760
2055	-	-	9,318,728	-	-	9,318,728
2056	-	-	7,853,852	-	-	7,853,852
2057	-	-	6,370,403	-	-	6,370,403
2058	-	-	4,843,601	-	-	4,843,601
2059	-	-	3,273,719	-	-	3,273,719
2060	-	-	1,676,361	-	-	1,676,361
	164,575,226	-	664,031,207	-	-	828,606,433

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2019 Drinking Water SRF Capacity Analysis
Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current level with 1.75% loan

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
2020	112,272,736	9,139,291	-	(135,477,078)	-	-	15,065,050	1,000,000
2021	1,000,000	10,920,802	-	(25,985,852)	-	-	15,065,050	1,000,000
2022	1,000,000	18,396,627	-	(18,396,627)	-	-	-	1,000,000
2023	1,000,000	19,953,590	-	(19,953,590)	-	-	-	1,000,000
2024	1,000,000	20,744,410	-	(20,744,410)	-	-	-	1,000,000
2025	1,000,000	21,486,557	-	(21,486,557)	-	-	-	1,000,000
2026	1,000,000	22,308,872	-	(22,308,872)	-	-	-	1,000,000
2027	1,000,000	23,213,100	-	(23,213,100)	-	-	-	1,000,000
2028	1,000,000	23,476,456	-	(23,476,456)	-	-	-	1,000,000
2029	1,000,000	23,949,410	-	(23,949,410)	-	-	-	1,000,000
2030	1,000,000	24,696,983	-	(24,696,983)	-	-	-	1,000,000
2031	1,000,000	25,376,553	-	(25,376,553)	-	-	-	1,000,000
2032	1,000,000	26,126,308	-	(26,126,308)	-	-	-	1,000,000
2033	1,000,000	26,596,632	-	(26,596,632)	-	-	-	1,000,000
2034	1,000,000	27,111,944	-	(27,111,944)	-	-	-	1,000,000
2035	1,000,000	27,455,700	-	(27,455,700)	-	-	-	1,000,000
2036	1,000,000	28,258,086	-	(28,258,086)	-	-	-	1,000,000
2037	1,000,000	29,055,418	-	(29,055,418)	-	-	-	1,000,000
2038	1,000,000	29,563,929	-	(29,563,929)	-	-	-	1,000,000
2039	1,000,000	31,026,118	-	(31,026,118)	-	-	-	1,000,000
2040	1,000,000	32,563,971	-	-	-	-	-	33,563,971
2041	33,563,971	33,745,868	-	-	-	-	-	67,309,840
2042	67,309,840	26,080,107	-	-	-	-	-	93,389,947
2043	93,389,947	24,472,981	-	-	-	-	-	117,862,927
2044	117,862,927	23,480,967	-	-	-	-	-	141,343,894
2045	141,343,894	22,404,888	-	-	-	-	-	163,748,782
2046	163,748,782	21,286,142	-	-	-	-	-	185,034,924
2047	185,034,924	20,127,361	-	-	-	-	-	205,162,285
2048	205,162,285	18,924,214	-	-	-	-	-	224,086,499
2049	224,086,499	17,672,289	-	-	-	-	-	241,758,788
2050	241,758,788	16,166,888	-	-	-	-	-	257,925,676
2051	257,925,676	14,872,886	-	-	-	-	-	272,798,562
2052	272,798,562	13,538,493	-	-	-	-	-	286,337,055
2053	286,337,055	12,167,381	-	-	-	-	-	298,504,436
2054	298,504,436	10,755,760	-	-	-	-	-	309,260,197
2055	309,260,197	9,318,728	-	-	-	-	-	318,578,924
2056	318,578,924	7,853,852	-	-	-	-	-	326,432,776
2057	326,432,776	6,370,403	-	-	-	-	-	332,803,180
2058	332,803,180	4,843,601	-	-	-	-	-	337,646,781
2059	337,646,781	3,273,719	-	-	-	-	-	340,920,499
2060	340,920,499	1,676,361	-	-	-	-	-	342,596,860
	810,453,645	-	-	(610,259,622)	-	-	30,130,100	

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

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2019 Drinking Water SRF Capacity Analysis
Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current level with 1.75% loan

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
2020	112,272,736	9,139,291	-	(135,477,078)	-	-	15,065,050	1,000,000
2021	1,000,000	10,920,802	-	(25,985,852)	-	-	15,065,050	1,000,000
2022	1,000,000	18,396,627	-	(18,396,627)	-	-	-	1,000,000
2023	1,000,000	19,953,590	-	(19,953,590)	-	-	-	1,000,000
2024	1,000,000	20,744,410	-	(20,744,410)	-	-	-	1,000,000
2025	1,000,000	21,486,557	-	(21,486,557)	-	-	-	1,000,000
2026	1,000,000	22,308,872	-	(22,308,872)	-	-	-	1,000,000
2027	1,000,000	23,213,100	-	(23,213,100)	-	-	-	1,000,000
2028	1,000,000	23,476,456	-	(23,476,456)	-	-	-	1,000,000
2029	1,000,000	23,949,410	-	(23,949,410)	-	-	-	1,000,000
2030	1,000,000	24,696,983	-	(24,696,983)	-	-	-	1,000,000
2031	1,000,000	25,376,553	-	(25,376,553)	-	-	-	1,000,000
2032	1,000,000	26,126,308	-	(26,126,308)	-	-	-	1,000,000
2033	1,000,000	26,596,632	-	(26,596,632)	-	-	-	1,000,000
2034	1,000,000	27,111,944	-	(27,111,944)	-	-	-	1,000,000
2035	1,000,000	27,455,700	-	(27,455,700)	-	-	-	1,000,000
2036	1,000,000	28,258,086	-	(28,258,086)	-	-	-	1,000,000
2037	1,000,000	29,055,418	-	(29,055,418)	-	-	-	1,000,000
2038	1,000,000	29,563,929	-	(29,563,929)	-	-	-	1,000,000
2039	1,000,000	31,026,118	-	(31,026,118)	-	-	-	1,000,000
2040	1,000,000	32,563,971	-	-	-	-	-	33,563,971
2041	33,563,971	33,745,868	-	-	-	-	-	67,309,840
2042	67,309,840	26,080,107	-	-	-	-	-	93,389,947
2043	93,389,947	24,472,981	-	-	-	-	-	117,862,927
2044	117,862,927	23,480,967	-	-	-	-	-	141,343,894
2045	141,343,894	22,404,888	-	-	-	-	-	163,748,782
2046	163,748,782	21,286,142	-	-	-	-	-	185,034,924
2047	185,034,924	20,127,361	-	-	-	-	-	205,162,285
2048	205,162,285	18,924,214	-	-	-	-	-	224,086,499
2049	224,086,499	17,672,289	-	-	-	-	-	241,758,788
2050	241,758,788	16,166,888	-	-	-	-	-	257,925,676
2051	257,925,676	14,872,886	-	-	-	-	-	272,798,562
2052	272,798,562	13,538,493	-	-	-	-	-	286,337,055
2053	286,337,055	12,167,381	-	-	-	-	-	298,504,436
2054	298,504,436	10,755,760	-	-	-	-	-	309,260,197
2055	309,260,197	9,318,728	-	-	-	-	-	318,578,924
2056	318,578,924	7,853,852	-	-	-	-	-	326,432,776
2057	326,432,776	6,370,403	-	-	-	-	-	332,803,180
2058	332,803,180	4,843,601	-	-	-	-	-	337,646,781
2059	337,646,781	3,273,719	-	-	-	-	-	340,920,499
2060	340,920,499	1,676,361	-	-	-	-	-	342,596,860
	810,453,645	-	-	(610,259,622)	-	-	30,130,100	

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

Arkansas Development Finance Authority / Arkansas Natural Resources Commission

Preliminary 2019 Drinking Water SRF Capacity Analysis

Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current level with 1.75%)

Drinking Water - Existing Loans (Net of Admin Fees)

	Total Pledged & Non-Pledged Loans		Other Loans		Total Drinking Water Loans		
FYE	Principal	Interest	Principal	Interest	Principal	Interest	Total P&I
2020	9,547,462	2,359,066	-	-	9,547,462	2,359,066	11,906,529
2021	10,265,950	2,222,761	-	-	10,265,950	2,222,761	12,488,711
2022	11,148,113	2,133,445	-	-	11,148,113	2,133,445	13,281,558
2023	11,441,846	1,954,562	-	-	11,441,846	1,954,562	13,396,408
2024	11,316,203	1,770,367	-	-	11,316,203	1,770,367	13,086,570
2025	11,039,932	1,584,749	-	-	11,039,932	1,584,749	12,624,681
2026	10,817,482	1,399,364	-	-	10,817,482	1,399,364	12,216,846
2027	9,783,695	1,219,668	-	-	9,783,695	1,219,668	11,003,362
2028	8,743,644	1,051,806	-	-	8,743,644	1,051,806	9,795,449
2029	7,339,106	896,853	-	-	7,339,106	896,853	8,235,959
2030	6,945,193	766,345	-	-	6,945,193	766,345	7,711,538
2031	6,447,091	644,408	-	-	6,447,091	644,408	7,091,499
2032	5,971,901	529,862	-	-	5,971,901	529,862	6,501,763
2033	5,168,148	427,205	-	-	5,168,148	427,205	5,595,353
2034	4,360,131	335,386	-	-	4,360,131	335,386	4,695,517
2035	3,342,658	255,717	-	-	3,342,658	255,717	3,598,375
2036	2,741,202	192,105	-	-	2,741,202	192,105	2,933,307
2037	2,100,360	140,813	-	-	2,100,360	140,813	2,241,173
2038	1,111,081	105,820	-	-	1,111,081	105,820	1,216,901
2039	1,019,630	85,765	-	-	1,019,630	85,765	1,105,394
2040	968,477	66,447	-	-	968,477	66,447	1,034,923
2041	723,829	49,326	-	-	723,829	49,326	773,155
2042	390,933	36,373	-	-	390,933	36,373	427,306
2043	195,240	28,972	-	-	195,240	28,972	224,212
2044	201,141	25,038	-	-	201,141	25,038	226,179
2045	207,221	20,985	-	-	207,221	20,985	228,206
2046	213,484	16,809	-	-	213,484	16,809	230,293
2047	219,936	12,508	-	-	219,936	12,508	232,444
2048	226,584	8,076	-	-	226,584	8,076	234,660
2049	233,443	3,510	-	-	233,443	3,510	236,954
2050	-	-	-	-	-	-	-
2051	-	-	-	-	-	-	-
2052	-	-	-	-	-	-	-
2053	-	-	-	-	-	-	-
2054	-	-	-	-	-	-	-
2055	-	-	-	-	-	-	-
2056	-	-	-	-	-	-	-
2057	-	-	-	-	-	-	-
2058	-	-	-	-	-	-	-
2059	-	-	-	-	-	-	-
2060	-	-	-	-	-	-	-
	144,231,116	20,344,110	-	-	144,231,116	20,344,110	164,575,226

Arkansas Development Finance Authority / Arkansas Nat
Preliminary 2019 Drinking Water SRF Capacity Analysis
Scenario D (Base Case) - Maximum Loan Capacity with No Future

Projected Drinking Water Debt Service

FYE	Existing Series 2011C Drinking Water Debt Service	Future Bond Debt Service	Total Drinking Water Debt Service
2020	2,767,238	-	2,767,238
2021	2,583,988	-	2,583,988
2022	2,399,738	-	2,399,738
2023	2,304,738	-	2,304,738
2024	2,209,738	-	2,209,738
2025	2,089,738	-	2,089,738
2026	1,985,988	-	1,985,988
2027	1,035,375	-	1,035,375
2028	776,250	-	776,250
2029	-	-	-
2030	-	-	-
2031	-	-	-
2032	-	-	-
2033	-	-	-
2034	-	-	-
2035	-	-	-
2036	-	-	-
2037	-	-	-
2038	-	-	-
2039	-	-	-
2040	-	-	-
2041	-	-	-
2042	-	-	-
2043	-	-	-
2044	-	-	-
2045	-	-	-
2046	-	-	-
2047	-	-	-
2048	-	-	-
2049	-	-	-
2050	-	-	-
2051	-	-	-
2052	-	-	-
2053	-	-	-
2054	-	-	-
2055	-	-	-
2056	-	-	-
2057	-	-	-
2058	-	-	-
2059	-	-	-
2060	-	-	-
	18,152,788	-	18,152,788

Arkansas Development Finance Authority / Arkansas Natural Resources Commission
Preliminary 2019 Drinking Water SRF Capacity Analysis
Scenario D (Base Case) - Maximum Loan Capacity with No Future Leverage Bonds at 24.89% Total Loan Subsidy (current level with 1.75% loan rate)

Future Pledged Direct Loan Repayment

Issue Date	June-20	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	Total
Amount	135,477,078	23,080,832	18,966,627	19,061,890	20,744,410	21,486,337	22,308,872	23,213,100	23,676,436	23,946,410	24,096,963	23,376,333	26,126,308	26,596,632	27,111,344	27,653,700	28,238,084	29,053,418	29,963,329	31,024,118	410,239,622	
Interest Rate	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	0.75%	
Interest Start Date	12/01/20	12/01/21	12/01/22	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		
Principal Periodic	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30	30		
Total Maturity Date	06/01/41	06/01/42	06/01/43	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		
06/01/20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
06/01/21	1,016,078	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,016,078	
06/01/22	7,219,912	194,964	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,514,876	
06/01/23	7,219,912	1,404,032	137,975	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,361,919	
06/01/24	7,219,912	1,404,032	993,981	149,652	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,867,577	
06/01/25	7,219,912	1,404,032	993,981	1,078,105	133,340	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,951,614	
06/01/26	7,219,912	1,404,032	993,981	1,078,105	1,120,034	161,149	-	-	-	-	-	-	-	-	-	-	-	-	-	-	12,078,013	
06/01/27	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	147,817	-	-	-	-	-	-	-	-	-	-	-	-	-	13,240,113	
06/01/28	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	174,088	-	-	-	-	-	-	-	-	-	-	-	-	14,447,247	
06/01/29	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	176,073	-	-	-	-	-	-	-	-	-	-	-	15,713,431	
06/01/30	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	179,621	-	-	-	-	-	-	-	-	-	-	16,945,446	
06/01/31	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	183,227	-	-	-	-	-	-	-	-	-	18,250,054	
06/01/32	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	190,358	-	-	-	-	-	-	-	-	19,626,544	
06/01/33	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	195,947	-	-	-	-	-	-	-	21,051,279	
06/01/34	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	199,475	-	-	-	-	-	-	22,416,427	
06/01/35	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	203,340	-	-	-	-	-	23,817,323	
06/01/36	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	203,918	-	-	-	-	25,224,779	
06/01/37	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	211,936	-	-	-	26,642,245	
06/01/38	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	217,914	-	-	28,047,028	
06/01/39	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	221,729	-	29,520,724	
06/01/40	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	232,696	31,829,048	
06/01/41	7,219,912	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	32,972,713	
06/01/42	-	1,404,032	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	34,052,801	
06/01/43	-	-	993,981	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	34,240,788	
06/01/44	-	-	-	1,078,105	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	34,234,788	
06/01/45	-	-	-	-	1,120,034	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	34,217,602	
06/01/46	-	-	-	-	-	1,160,932	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	34,033,849	
06/01/47	-	-	-	-	-	-	1,205,362	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	33,694,917	
06/01/48	-	-	-	-	-	-	-	1,254,218	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	33,046,554	
06/01/49	-	-	-	-	-	-	-	-	1,268,448	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	32,431,336	
06/01/50	-	-	-	-	-	-	-	-	-	1,294,002	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,946,888	
06/01/51	-	-	-	-	-	-	-	-	-	-	1,334,394	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,672,888	
06/01/52	-	-	-	-	-	-	-	-	-	-	-	1,371,111	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,536,493	
06/01/53	-	-	-	-	-	-	-	-	-	-	-	-	1,411,621	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,427,381	
06/01/54	-	-	-	-	-	-	-	-	-	-	-	-	-	1,437,033	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,335,728	
06/01/55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,464,075	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,250,728	
06/01/56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,482,449	1,526,802	1,569,883	1,597,358	1,676,361	31,173,832	
06/01/57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,569,883	1,597,358	1,676,361	1,676,361	31,107,403	
06/01/58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,597,358	1,676,361	1,676,361	31,049,601	
06/01/59	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,597,358	1,676,361	30,997,719	
06/01/60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,676,361	30,949,361	
147,414,320	28,275,534	20,017,602	21,711,713	23,472,235	25,376,794	26,274,566	25,296,468	25,565,029	26,099,655	26,873,100	27,612,548	28,426,366	28,940,131	29,590,849	29,874,884	30,747,940	31,611,567	32,448,883	33,799,911	664,011,207		

VII. 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 2019
(JULY 1, 2018 through JUNE 30, 2019)**

DOH TABLE OF CONTENTS

DOH TABLE OF CONTENTS.....	42
I. INTRODUCTION.....	43
II. STATE PROGRAM MANAGEMENT SET-ASIDE	44
III. SMALL SYSTEM TECHNICAL ASSISTANCE	47
IV. IV. LOCAL ASSISTANCE AND OTHER STATE PROGRAMS SET-ASIDE	50
1. Wellhead Protection Program Implementation	50
2. Capacity Development Strategy Assistance	53
V. ATTACHMENTS.....	57
ATTACHMENT A – Overall Summary of Expenditures and Salary Summary	58
ATTACHMENT B– Summary of Travel Reimbursements.....	59

I. 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) and the ADH signed an Interagency Memorandum of Agreement 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 2019. 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.

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, and SRF-18 work plans. The summary table in Attachment A shows expenditures during SFY19.

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, upgrades to the Section's LAN system, routine O&M, etc.

The Goals and Objectives, Proposed Outputs and Deliverables as outlined in the work plan and the SFY19 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 19 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 – 778 and PNs requested – 685, PN verifications received 251, WAOs – 55; AOs – 52, COs – 43
	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: 8/15/18, 11/15/18, 2/15/19, 5/15/19 Dates submitted: 8/2/18, 11/8/18, 2/4/19, 5/6/19. 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	1,304 total plans received, logged and tracked resulting in 2,531 total review assignments.
		Field Surveillance Staff - Review an estimated 200 plans and specifications	SPM Staff conducted 1,318 review assignments on 574 plans and specifications.
		Technical Support Staff – Review an estimated 25 plans and specifications	SPM Staff conducted 13 review assignments on three plans.
	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.)	231 Sanitary Surveys were completed by Field Surveillance staff, 118 of these were completed by SPM funded positions.
		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.)	138 Sanitary Surveys were completed by Technical Support Staff. Technical Support Staff also participated in two CPEs & three Quarterly AWOP meetings.
		Other Inspections / Investigations at PWSs	Field Surveillance & Technical Staff provided direct one-on-one technical assistance on 332 occasions.
Environmental	Pre-planning for and implementation of new regulations associated with the SDWA.	New EPA/SDWA regulations will be implemented within the prescribed timeframes.	All new rules / requirements are implemented on schedule and generally ahead of schedule. <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 – 31 monitoring plans completed / approved, letters advising systems of DPB results sent to PWSs – 3,321 Stage 1 & Stage 2 compliance status letters. A total of 118 OEL exceedance notifications were issued and 98 OEL reports were reviewed.

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 on 279 occasions.
	Technical assistance to water operators.	Provide technical assistance to operators	Combined Man-hours of Technical Assistance, Complaint Investigation; and Operator Training: Field Surveillance Staff – 8,969 man-hours
		Document technical assistance and ADH sponsored training sessions (est. 26 training session per year)	15 mandatory compliance schools were offered. Twenty-six exam sessions were conducted, plus on-demand computer based exam capability was offered.
		Oversight and coordination of an estimated two (2) fluoride schools/year	No fluoride start-up inspections were conducted during this period. One training session specific to fluoride was conducted during staff training.

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:

2. Outcome Type	3. Quantitative Description of Outcome	4. SFY 19
5. Programmatic	6. ADH retains primacy of SDWA and completes all required reports	7. Primacy maintained and all required reports were completed.
8. Environmental	9. 85% ² of the community PWSs in the State will meet all applicable health-based drinking water standards.	10. 92% of Community Water Systems met all health-based standards during SFY 19.
11. Programmatic	12. Maintain certified operators at 95% of community PWSs.	13. 98% of Community PWSs maintained operator certification during SFY 19.

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

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

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 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 SFY19. 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 SFY19 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
14. 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
15. Provided assistance to PWSs to improve their TMF capacity. Priority will be given to the systems with the most need.	ADH, Contractors	On-going
16. 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 19 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. (Reportable's includes: 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 SFY19 the contractors contributed the following:</p> <p>Financial & Managerial (F&M) Total Hours – 986.75 Technical & Operational (T&O) Total Hours – 1401.75 Details below.</p> <ul style="list-style-type: none"> On-site Technical Assistance (man-hours) F&M – 207.25 T&O – 859.5 Technical Assistance Office Hours F&M – 652.5 T&O – 156.75 Travel Hours F&M – 127 T&O – 385.5

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:

17. Outcome Type	18. Quantitative Description of Outcome	19. SFY 19
20. 21. Environmental	22. 23. Improve TMF capacity.	24. ADH had 2 contracts in place with TA providers to assist small water systems with improving TMF capacity through technical assistance.

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

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. 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, and SRF 18. 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 SFY19.

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.

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 19 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 533 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 twenty-five wells. Recommendations include: aquifer determination, construction depth, casing and grouting depths, etc. Additionally, 540 well 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).	Eighteen WHPAs were delineated for 15 PWS and 3 Phase 1 Reports for 5 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 2400 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.	Twelve Phase 2 PSOC inventories were completed & mailed for thirteen wells & 3 surface sources. Additionally, 26 maps were created.
Environmental	The ADH staff will assist all interested PWSs in preparing and implementing Source Water Protection Plans.	1) Provision of assistance to surface water systems in developing source water protection plans, upon request.	Created 35 PSOC maps for ARWA to use during field PSOC inventory collection for 3 PWS/ verifications. Produced 38 PSOC inventory maps for ARWAs AWAP. Distributed 5 historical SWAP reports & 45 new reports for review by public water systems. Sixty-two 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 are now using 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		1) Collect GPS and construction data on newly constructed wells (est. 5/year).	Seven new wells were added to the inventory in SFY19. GPS locations were obtained for each. Gathered construction information during plan review process, sanitary surveys, and prep work for WHPA delineations. Estimate 2500 updates, corrections, or additions were made in SFY19.

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 19 Outputs
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	2) To review and comment on approximately 1,000 proposed projects annually with point and non-point source discharges. 1)	A total of 974 permits were reviewed and comments made to the permitting agency. A breakdown of permit reviews by permit type follows: NPDES – 193, Land Application - 45, Salt Water Disposal (no discharge)–60, No discharge –20, Underground Injection Control– 9, Oklahoma NPDES permits – 10, Tech. Review Committee – 466, Oil & Gas permits – 60, and Miscellaneous –66.
Programmatic	To provide a coordinated and organized approach to source water protection efforts in the State	2) The development of standard procedures for conducting hydrologic sensitivity assessments at ground water sources. 2)	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.

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	25. SFY 19
Environmental	50% of community PWSs will have substantially implemented Source Water Protection programs.	422 community PWSs (61.3%) with a population of 2,012,743 (70.90%) 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.	7 wells added to inventory and 5 GWUDI determinations were made.
Environmental	50 Source Water Protection Plans prepared or updated.	62 Source Water Protection Plans developed.

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

SUMMARY

The State's Wellhead 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.

Overall, the principal aims of the WHPP, Phase I (delineation) and Phase II (PSOC inventory) report production continued to be the main focus of the WHPP. Additionally, the remaining 45 SWAP Reports for surface intakes were compiled and distributed. Considerable time was expended on hydrologic analyses and 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. Technical assistance to the water systems as needed was also a focus for the program, as was hydrologic analysis and technical assistance frequently requested by consultants, well drillers, and members of the public. Significant time was also devoted to offsite cooperation with other organizations and agencies interested in wellhead/source water protection, especially the InterAgency HAPs, work group, updates to the water quality standards,

CWA 319 program development and providing ARWA with their PSOC inventory maps.

Most of the effort in producing WHP delineation reports was spent on collection and verification of the well construction data and hydrologic data included in the reports, followed by calculation of WHPA radii and compilation of the GIS layers for the accompanying maps. There were 18 delineations made or revised at fifteen public water systems. A roughly equal amount of time was devoted to assistance with inventories of Potential Sources of Contamination (PSOC) within the delineated WHPA and the follow-up work such as creating GIS layers representing the PSOCs identified within each WHPA.

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 15-19
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 19 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 3 systems. A combination of 3,466 DBP letters and OEL notifications were mailed to water system. – ADH staff presented sessions at 2 3-day conferences and District Meetings, as requested. – ADH staff conducted 15 - one day compliance training sessions. – 3 training sessions were held on cross-connection control policies and procedures. – 4 BPAA meetings were attended. – Cross-connection control surveys were conducted at 32 water systems.
Environmental	Conduct CCR training.	Conduct five (5) CCR training sessions for an anticipated 70 PWSs	Four 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.	683 water systems distributed CCRs to customers.
Programmatic	Review, evaluated, and comment, as appropriate, on all CCRs submitted to Engineering	Anticipate 730 systems will be received and reviewed.	CCR staff prepared and delivered 690 CCRs to water systems and evaluated and reviewed all distribution methods.
Environmental	Maintain the current overall compliance with the CCR		Compliance rate was 98%.
Programmatic	Coordinate AWOP efforts	Provide one FTE to coordinate / conduct 2 CPEs and Data Audits at four (4) systems.	<ul style="list-style-type: none"> – One staff (position was vacant part of the year) contributed 100% of his time toward coordinating and conducting AWOP activities. – 2 CPEs were conducted. – Calibration checks made at 13 surface water treatment plants on 120 turbidimeters, 24 pH meters and 49 chlorine analyzers. – AWOP staff participated in 3 AWOP meetings, 8 AWW&WEA meetings, and 2 ARWA meeting.
Programmatic	Provide operator compliance training courses	Provide 24 operator certification courses operators or operators-in-training.	Fifteen mandatory Compliance courses were taught at various locations throughout the state
Programmatic	Publish Quarterly Newsletter	Publish four (4) newsletters and distribute approximately 3600 per quarter	Four newsletters were published with over 3700 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.

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.

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

Outcome Type	Quantitative Description of Outcome	SFY19
Environmental	To educate/reassure local PWS customers on the quality/safety of their drinking water.	683 water systems distributed CCRs to customers. This was a compliance rate of 98%. All CCRs are available on the ADH website.
Environmental	Improved distribution water quality provided to the public through cross-connection control program.	3 training sessions were held on cross connection control policies and procedures.
Environmental	Improve water quality through treatment plant optimization efforts.	Our technical staff participated in 2 CPEs in SFY19.
Environmental	99% of Community and Non-Transient Non-Community water systems will have licensed operators. 50 courses were 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 26 exam sessions, plus on demand computer based exams capability that is seeing greater use over time. The program processed 758 exams, issued 98 Operator in Training certificates, issued 262 new licenses and tracked the renewal of 2,407 operators holding 3,476 active water operator licenses or Operator in Training Certificates.

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

This set-aside also contributed toward the Agency's state courier system to assist water systems in submitting samples to the laboratory. This service provides assistance to water systems by providing a reliable overnight delivery service at no cost to them. The systems also benefit by having significant reductions in the number of samples rejected due to being too old or being lost in transit. The systems do not have to coordinate individual arrangements with other means of sample delivery.

This set-aside also funded the first two years and part of the third year of the second-round cryptosporidium monitoring and analysis using an unspent credit from the first round on LT2ESWTR monitoring. Twenty-one sources at eighteen water systems were monitored for cryptosporidium, turbidity and E. coli monthly for 12 months (251 sample events). Twenty-one matrix spike samples were collected and analyzed from small systems. LT2ESWTR's Round 1 sampling also began at one large system's proposed new intake location. Twelve samples and a matrix spike were collected from depth at that location.

V. ATTACHMENTS

ATTACHMENT A – Overall Summary of Expenditures and Salary Summary

SRF 16 FHD **** 610 **** ASRA0016															
		Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total Expenses	
PWSS SPM ASRC	Salaries	\$ 40,077.08	\$ 57,998.81	\$ 35,865.40	\$ 34,615.67	\$ 34,815.63	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 203,372.59	
	Fringe	\$ 13,872.57	\$ 17,991.61	\$ 12,903.86	\$ 12,615.57	\$ 12,661.44	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,045.05	
	Travel-09	\$ -	\$ -	\$ -	\$ 700.18	\$ 1,370.99	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,071.17	
	Supplies	\$ 15,797.62	\$ 29,777.13	\$ 15,464.32	\$ 18,873.35	\$ 11,205.89	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 91,118.31	
	Travel-02	\$ 1,292.32	\$ -	\$ -	\$ 696.07	\$ 674.47	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,662.86	
	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Contractual	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Indirect	\$ 9,959.11	\$ 14,027.83	\$ 9,002.81	\$ 8,718.89	\$ 8,764.27	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,472.91	
		\$ 80,998.70	\$ 119,795.38	\$ 73,236.39	\$ 76,219.73	\$ 69,492.69	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 419,742.89	
TA ASRD	Salaries	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Fringe	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Travel	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Contractual	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Indirect	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
WHP ASRB	Salaries	\$ 28,766.82		\$ 29,832.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 58,599.15	
	Fringe	\$ 9,934.87		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 9,934.87	
	Travel-09	\$ 827.05	\$ 252.03	\$ 660.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,739.08	
	Supplies	\$ 21.80	\$ 813.08	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 834.88	
	Travel-02	\$ 260.30	\$ 211.58	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 471.88	
	Equipment			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Contractual			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Indirect	\$ 7,144.33		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,144.33	
		\$ -	\$ 46,955.17	\$ 1,276.69	\$ 30,492.33	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 78,724.19	
CD ASRF	Salaries	\$ 42,504.54	\$ 67,754.36	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 110,258.90	
	Fringe	\$ 15,166.41	\$ 20,967.22	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 36,133.63	
	Travel-09			\$ 1,155.00	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,155.00	
	Supplies	\$ 13,875.23	\$ 15,668.64	\$ 2,038.49	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,582.36	
	Travel-02	\$ 1,302.42	\$ 857.34	\$ 1,212.76	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 3,372.52	
	Equipment			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Contractual			\$ 40,754.42	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,754.42	
	Indirect	\$ 10,646.06	\$ 16,378.00		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 27,024.06	
		\$ 83,494.66	\$ 121,625.56	\$ 45,160.67	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 250,280.89	
Totals for 16 Grant		\$211,448.53	\$ 242,697.63	\$ 148,889.39	\$ 76,219.73	\$ 69,492.69	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 748,747.97	
SRF 17 FHD **** 610**** ASRA0017															
		Jul-18	Aug-18	Sep-18	Oct-18	Nov-18	Dec-18	Jan-19	Feb-19	Mar-19	Apr-19	May-19	Jun-19	Total Expenses	
PWSS SPM ASRC	Salaries	\$ -	\$ -	\$ -	\$ -		\$ 34,015.64	\$ 34,715.64	\$ 32,498.69	\$ 52,325.35	\$ 36,761.23	\$ 37,436.28	\$ 37,041.22	\$ 264,794.05	
	Fringe	\$ -	\$ -	\$ -	\$ -		\$ 12,477.70	\$ 12,638.53	\$ 12,129.32	\$ 16,836.53	\$ 13,108.33	\$ 13,263.46	\$ 13,172.66	\$ 93,626.53	
	Travel-09	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -		\$ -	\$ 945.00			\$ 945.00	
	Supplies	\$ -	\$ -	\$ -	\$ -	\$ 14,940.40	\$ 10,517.38	\$ 22,121.57	\$ 16,017.74	\$ 11,787.45	\$ 14,847.98	\$ 21,449.57	\$ 30,544.53	\$ 142,226.62	
	Travel-02	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -		\$ -	\$ 19.83			\$ 19.83	
	Equipment	\$ -	\$ -	\$ -	\$ -		\$ 122,775.93	\$ 10,392.61	\$ 11,181.10	\$ 27,674.76	\$ 85,969.72			\$ 257,994.12	
	Contractual	\$ -	\$ -	\$ -	\$ -		\$ -	\$ -						\$ -	
	Indirect	\$ -	\$ -	\$ -	\$ -		\$ 8,582.67	\$ 8,741.58	\$ 8,238.33	\$ 12,767.28	\$ 9,205.92	\$ 9,359.17	\$ 9,269.48	\$ 66,164.43	
		\$ -	\$ -	\$ -	\$ -	\$ 14,940.40	\$ 188,369.32	\$ 88,609.93	\$ 80,065.18	\$ 121,391.37	\$ 160,858.01	\$ 81,508.48	\$ 90,027.89	\$ 825,770.58	
TA ASRD	Salaries	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Fringe	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Travel-09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Supplies	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Travel-02	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
	Contractual	\$ 11,911.02	\$ -	\$ 1,540.11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,451.13	
	Indirect	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
		\$ 11,911.02	\$ -	\$ 1,540.11	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,451.13	
WHP ASRB	Salaries	\$ -	\$ 45,378.59	\$ 1,014.37	\$ 27,663.82	\$ 27,300.90	\$ 27,968.97	\$ 28,466.51	\$ 28,659.04	\$ 47,160.26	\$ 31,440.18	\$ 31,440.19	\$ 31,440.16	\$ 327,932.99	
	Fringe	\$ -	\$ 13,750.99	\$ 10,380.09	\$ 9,681.51	\$ 9,598.12	\$ 9,751.62	\$ 9,865.98	\$ 9,910.14	\$ 14,309.95	\$ 10,549.00	\$ 10,549.01	\$ 10,549.02	\$ 118,895.43	
	Travel-09	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -			\$ 1,215.00			\$ 1,215.00	
	Supplies	\$ -	\$ -	\$ -	\$ -	\$ 11.79	\$ 2,604.30	\$ 353.08	\$ 341.32		\$ 2,917.68	\$ 733.32	\$ (915.33)	\$ 991.00	\$ 7,037.16
	Travel-02	\$ -	\$ -	\$ -	\$ 270.10	\$ -	\$ -	\$ -	\$ -		\$ -			\$ 270.10	
	Equipment	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -		\$ 4,146.36	\$ (65.21)			\$ 4,081.15	
	Contractual	\$ -	\$ -	\$ -		\$ -	\$ -	\$ -						\$ -	
	Indirect	\$ -	\$ 10,915.32	\$ 7,610.47	\$ 6,893.95	\$ 6,811.56	\$ 6,963.22	\$ 7,076.18	\$ 7,119.87	\$ 11,347.40	\$ 7,751.20	\$ 7,751.21	\$ 7,751.20	\$ 87,991.58	
		\$ -	\$ 70,044.90	\$ 19,004.93	\$ 44,521.17	\$ 46,314.88	\$ 45,036.89	\$ 45,749.99	\$ 45,689.05	\$ 79,881.65	\$ 51,623.49	\$ 48,825.08	\$ 50,731.38	\$ 547,423.41	
CD ASRF	Salaries	\$ -	\$ -	\$ 46,803.29	\$ 47,905.32	\$ 47,650.76	\$ 47,793.40	\$ 48,693.36	\$ 47,793.35	\$ 71,690.06	\$ 47,793.39	\$ 50,931.91	\$ 51,526.94	\$ 508,581.78	
	Fringe	\$ -	\$ -	\$ 16,155.14	\$ 16,409.49	\$ 16,351.01	\$ 16,383.75	\$ 16,591.10	\$ 16,384.35	\$ 22,164.85	\$ 16,417.99	\$ 17,525.31	\$ 17,661.97	\$ 172,044.96	
	Travel-09	\$ -	\$ -	\$ -	\$ 354.31	\$ 525.75	\$ 1,154.00	\$ -	\$ 766.10		\$ 1,460.00	\$ 1,779.90		\$ 6,040.06	
	Supplies	\$ -	\$ -	\$ -	\$ 11,912.47	\$ 1,952.85	\$ 10,231.65	\$ 7,960.15	\$ 6,232.70	\$ 12,972.89	\$ 7,530.55	\$ 1,787.36	\$ 3,366.12	\$ 63,946.74	
	Travel-02	\$ -	\$ -	\$ -	\$ 701.23	\$ 828.70	\$ 389.43	\$ 259.48	\$ 429.83	\$ 993.68	\$ 748.37	\$ 318.13	\$ 1,339.47	\$ 6,008.32	
	Equipment	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,382.12	\$ (21.73)			\$ 1,360.39	
	Contractual	\$ -	\$ -	\$ -	\$ 6,933.72	\$ -	\$ 9,618.96	\$ -	\$ 14,410.99	\$ 13,219.66	\$ 13,006.34		\$ 30,445.26	\$ 51,602.73	\$ 139,237.66
	Indirect	\$ -	\$ -	\$ -	\$ 11,622.13	\$ 11,872.51	\$ 11,814.73	\$ 11,847.10	\$ 12,051.51	\$ 11,847.20	\$ 17,325.62	\$ 11,853.42	\$ 12,637.20	\$ 12,772.27	\$ 125,643.69
		\$ -	\$ -	\$ 81,514.28	\$ 89,155.33	\$ 88,742.76	\$ 87,799.33	\$ 99,966.59	\$ 96,673.19	\$ 139,535.56	\$ 85,781.99	\$ 115,425.07	\$ 138,269.50	\$1,022,863.60	
Totals for 17 Grant		\$ 11,911.02	\$ 70,044.90	\$ 102,059.32	\$ 133,676.50	\$ 149,998.04	\$ 321,205.54	\$234,326.51	\$222,427.42	\$ 340,808.58	\$ 298,263.49	\$ 245,758.63	\$ 279,028.77	\$2,409,508.72	

ATTACHMENT B- Summary of Travel Reimbursements

Summary of Travel Reimbursements State Characters 02, 09

Internal Order ASRB0016 = Wellhead Protection (FCG 16)

Internal Order ASRB0017 = Wellhead Protection (FCG 17)

Internal Order ASRC0016 = State Program Management (FCG 16)

Internal Order ASRC0017 = State Program Management (FCG 17)

Internal Order ASRF0016 = Capacity Development (FCG 16)

Internal Order ASRF0017 = Capacity Development (FCG 17)

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22105676	Acuff, Callie	504.72		ASRF0016	CPE
22105676	Acuff, Callie	35.44		ASRF0016	CPE
22105676	Acuff, Callie	637.77		ASRF0016	AWOP Qtrly Meeting
22105676	Acuff, Callie		387.59	ASRF0017	AWWA Annual Meeting
22105676	Acuff, Callie	110.78		ASRF0016	STEM Recruitment
22105676	Acuff, Callie	117.76		ASRF0016	Technical Assistance
22109218	Bastidas, Vanessa	153.27		ASRF0017	CCCP Survey
22109218	Bastidas, Vanessa	129.93		ASRF0017	Technical Assistance
22109218	Bastidas, Vanessa	142.61		ASRF0017	ARWA Presentation
22106817	Beebe, William		100.58	ASRF0017	AWWA Annual Conference
22105843	Bird, Jason	133.68		ASRF0016	Exam Proctor
22105843	Bird, Jason	117.65		ASRF0016	Water Operator Training
22105843	Bird, Jason	138.69		ASRF0016	District Meeting
22105843	Bird, Jason	268.31		ASRF0016	Water Operator Training
22105843	Bird, Jason	127.13		ASRF0016	Water Operator Training
22105843	Bird, Jason	130.52		ASRF0017	Sanitary Survey
22105843	Bird, Jason	129.93		ASRF0017	Sanitary Survey
22077651	Braich, Davinder	240.35		ASRF0016	Calibration Checks
22076851	Braich, Davinder	297.63		ASRF0016	Calibration Checks
22076851	Braich, Davinder	139.48		ASRF0016	Calibration Checks
22076783	Burghart, Steven	12.65		ASRF0016	District Meeting
22076783	Burghart, Steven	15.00		ASRF0016	District Meeting
22076783	Burghart, Steven	15.00		ASRF0016	District Meeting
22076783	Burghart, Steven	12.65		ASRF0016	District Meeting
22163676	Chatman, Jake	20.00		ASRF0016	District Meeting
22163676	Chatman, Jake	20.00		ASRF0016	District Meeting
22163676	Chatman, Jake	20.00		ASRF0016	District Meeting
22163676	Chatman, Jake	20.00		ASRF0017	District Meeting
22163676	Chatman, Jake	20.00		ASRF0017	District Meeting
22106127	Corder, Craig	127.38		ASRF0016	CPE
22106127	Corder, Craig	533.13		ASRF0016	CPE
22106127	Corder, Craig	674.47		ASRC0016	AWOP Meeting
22106127	Corder, Craig	136.47		ASRF0016	Technical Assistance
22106127	Corder, Craig		1,050.00	ASRF0017	AWWA

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22106202	Couch, Tyler	242.89	108.34	ASRB0016	AWRC Conference
22105425	Gilley, Benjamin	211.58	108.33	ASRB0016	AWRC Conference
22104936	Gregg, Jack	17.96		ASRF0016	District Meeting
22104936	Gregg, Jack	18.00		ASRF0016	District Meeting
22104936	Gregg, Jack	20.97		ASRF0016	District Meeting
22104936	Gregg, Jack	16.72		ASRF0016	District Meeting
22104936	Gregg, Jack	14.74		ASRF0016	District Meeting
22104997	Harris, Robert	7.05		ASRF0016	District Meeting
22104997	Harris, Robert	9.65		ASRF0016	District Meeting
22104997	Harris, Robert	10.88		ASRF0016	District Meeting
22104997	Harris, Robert	9.65		ASRF0016	District Meeting
22104604	Hilborn, Aaron	277.73		ASRF0016	LT2 Training
22104604	Hilborn, Aaron	545.72		ASRF0016	CPE
22106395	Johnson, Thomas	116.06		ASRF0016	BPAA Conference
22106395	Johnson, Thomas	20.00		ASRF0016	District Meeting
22106395	Johnson, Thomas	15.01		ASRF0016	District Meeting
22106395	Johnson, Thomas	115.66		ASRF0016	BPAA Conference
22106665	Jones, Mark	17.11		ASRF0016	District Meeting
22106665	Jones, Mark	110.36		ASRF0016	Proctor Licensing Exam
22105906	Jones, Trent	20.00		ASRF0016	District Meeting
22109345	Jones, Lance	80.54		ASRF0016	CPE
22105906	Jones, Trent	18.66		ASRF0016	District Meeting
22106665	Jones, Mark	98.85		ASRF0017	Proctor Licensing Exam
22109345	Jones, Lance	44.10		ASRF0016	Interview & Recruit
22105906	Jones, Trent	15.62		ASRF0016	District Meeting
22105906	Jones, Trent	19.83		ASRC0017	District Meeting
22105906	Jones, Trent	19.83		ASRF0017	District Meeting
22105906	Jones, Trent	18.96		ASRF0017	District Meeting
22105608	Kort, Evelyn	260.30		ASRB0016	AWRC Conference
22169346	Lee, Teresa		1,771.83	ASRC0016	ASDWA Conference
22169346	Lee, Teresa	261.46		ASRF0017	EPA Region 6 Sm Sys Workshop
22105750	Lindsey, Mary	127.77		ASRF0016	Technical Assistance
22105750	Meacham, Wayne	14.85		ASRF0016	District Meeting
22105750	Meacham, Conway	15.00		ASRF0016	District Meeting
22105750	Meacham, Conway	15.00		ASRF0016	District Meeting
22105750	Meacham, Conway	115.55		ASRF0016	Water Operator Training
22105425	Norwood, Richard	259.16	108.33	ASRB0016	AWRC Conference
22105425	Norwood, Richard	132.35		ASRB0016	ANRC Meeting
22107118	Nutt, Martin	91.80		ASRF0016	Training Course
22107118	Nutt, Martin	254.31		ASRF0016	ARWA Conference
22107118	Nutt, Martin		3,074.10	ASRF0016	ABC Conference
22107118	Nutt, Martin	24.00		ASRF0016	Municipal League Conference
22107118	Nutt, Martin		373.91	ASRF0017	AWWWEA Conference
22163678	Parker, Adam	149.60		ASRF0016	Compliance Course
22163678	Parker, Adam	539.59		ASRF0016	CPE
22163678	Parker, Adam	132.58		ASRF0016	Calibration Check/District Meeting
22163678	Parker, Adam	130.63		ASRF0016	District Meeting
22163678	Parker, Adam	17.85		ASRF0017	Sanitary Survey/District Meeting

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22105615	Prioleau, Alicia	238.16		ASRF0016	AWRA Annl Conf/Exam Proctor
22105615	Prioleau, Alicia	233.87		ASRF0016	Water Operator Training
22105615	Prioleau, Alicia	248.90		ASRF0016	ADH Compliance Course
22105615	Prioleau, Alicia		255.41	ASRF0016	AWWWEA Conference
22106342	Reaves, Robert	524.04		ASRF0016	CPE
22106342	Reaves, Robert	17.28		ASRF0016	District Meeting
22106342	Reaves, Robert	687.72		ASRF0017	AWOP Qtrly Meeting
22106342	Reaves, Robert	696.07		ASRF0017	AWOP Qtrly Meeting
22109829	Riddle, Savannah	20.00		ASRB0017	District Meeting
22109829	Riddle, Savannah	20.00		ASRF0017	District Meeting
22106108	Roberts, Chris	556.47		ASRF0016	CPE
22106823	Routh, Darcia	252.03		ASRB0016	AWRC Conference
22106823	Routh, Darcia	137.75		ASRB0016	ANRC meeting
22105580	Saunders, Gerald	20.00		ASRF0016	District Meeting
22105580	Saunders, Gerald	20.00		ASRF0016	District Meeting
22105580	Sohmer, David	15.00		ASRF0016	District Meeting
22163677	Stacy, William	537.85		ASRF0016	CPE
22163677	Stacy, William	684.23		ASRF0016	AWOP Meeting
22163677	Stacy, William	15.00		ASRF0016	District Meeting
22105489	Starling, Stan	20.38		ASRF0016	District Meeting
22105489	Starling, Stan	133.60		ASRF0016	Operator exam
22105489	Starling, Stan	17.14		ASRF0016	District Meeting
22105489	Starling, Stan	126.23		ASRF0016	Water Operator Training
22105489	Starling, Stan	18.75		ASRF0016	District Meeting
22105489	Starling, Stan	20.68		ASRF0016	District Meeting
22105489	Starling, Stan	20.68		ASRF0017	District Meeting
22105489	Starling, Stan	18.49		ASRF0017	District Meeting
22105489	Starling, Stan	18.09		ASRF0017	District Meeting
22105489	Starling, Stan	18.49		ASRF0017	District Meeting
22105224	Stone, Jeff		2,478.50	ASRC0016	ASDWA Conference
22105003	Taylor, Dennis	17.00		ASRF0016	District Meeting
22105003	Taylor, Dennis	15.00		ASRF0016	District Meeting
22105003	Taylor, Dennis	17.96		ASRF0017	District Meeting
22105585	Thompson, Raymond	16.23		ASRF0016	District Meeting
22105585	Thompson, Raymond	92.59		ASRF0016	District Meeting
22105585	Thompson, Raymond	143.52		ASRF0017	District Meeting
22105749	Treadway, Greg	1,163.44		ASRC0016	EPA Data Management Conference
22111469	Veluvolu, Ramesh	1,057.58		ASRC0016	EPA Data Management Conference
22109519	Youngblood, Stephen	15.00		ASRF0016	District Meeting
22109519	Youngblood, Stephen	17.00		ASRF0016	District Meeting
22109519	Youngblood, Stephen	1,194.41		ASRF0017	ASDWA Conference
22109519	Youngblood, Stephen	19.66		ASRF0016	District Meeting
22105489	Starling, Stan	19.07		ASRF0015	District Meeting
22105489	Starling, Stan	19.04		ASRF0015	District Meeting
22105489	Starling, Stan	85.11		ASRF0015	Sanitary Survey/Operator Exam
22105489	Starling, Stan	19.04		ASRF0015	District Meeting
22105489	Starling, Stan	171.33		ASRF0016	Sanitary Survey
22105489	Starling, Stan	19.04		ASRF0016	District Meeting

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22105489	Starling, Stan	19.04		ASRF0016	District Meeting
22105489	Starling, Stan	73.53		ASRF0016	District Meeting/exam proctor
22105489	Starling, Stan	106.37		ASRF0016	District Meeting/exam proctor
22105489	Starling, Stan	65.22		ASRF0016	District Meeting
22105224	Stone, Jeff	439.13		ASRC0016	EPA 5 State Meeting
22105224	Stone, Jeff		1,703.86	ASRC0016	ASDWA Meeting
22109951	Talley, Chris	16.01		ASRF0015	District Meeting
22109951	Talley, Chris	16.01		ASRF0016	District Meeting
22109951	Talley, Chris	133.63		ASRF0016	Water Operator Licencing exam
22109951	Talley, Chris	16.01		ASRF0016	District Meeting
22109951	Talley, Chris	17.66		ASRF0016	District Meeting
22109951	Talley, Chris	134.83		ASRF0016	Water Operator Licensing
22105003	Taylor, Dennis	17.85		ASRF0016	District Meeting
22076820	Yang , Johnny	269.64		ASRF0015	Sanitary Survey/ECC
22076820	Yang , Johnny	255.32		ASRF0015	Sanitary Survey
22076820	Yang , Johnny	374.69		ASRF0015	GIS Wellhead Protection
22076820	Yang , Johnny	262.77		ASRF0015	GIS Wellhead Protection
22106189	Youngblood, Stephen	15.00		ASRF0016	District Meeting