



# STATE OF ARKANSAS



**Arkansas Natural Resources Commission  
and**

**Arkansas Department of Health**



**SAFE DRINKING WATER FUND &**

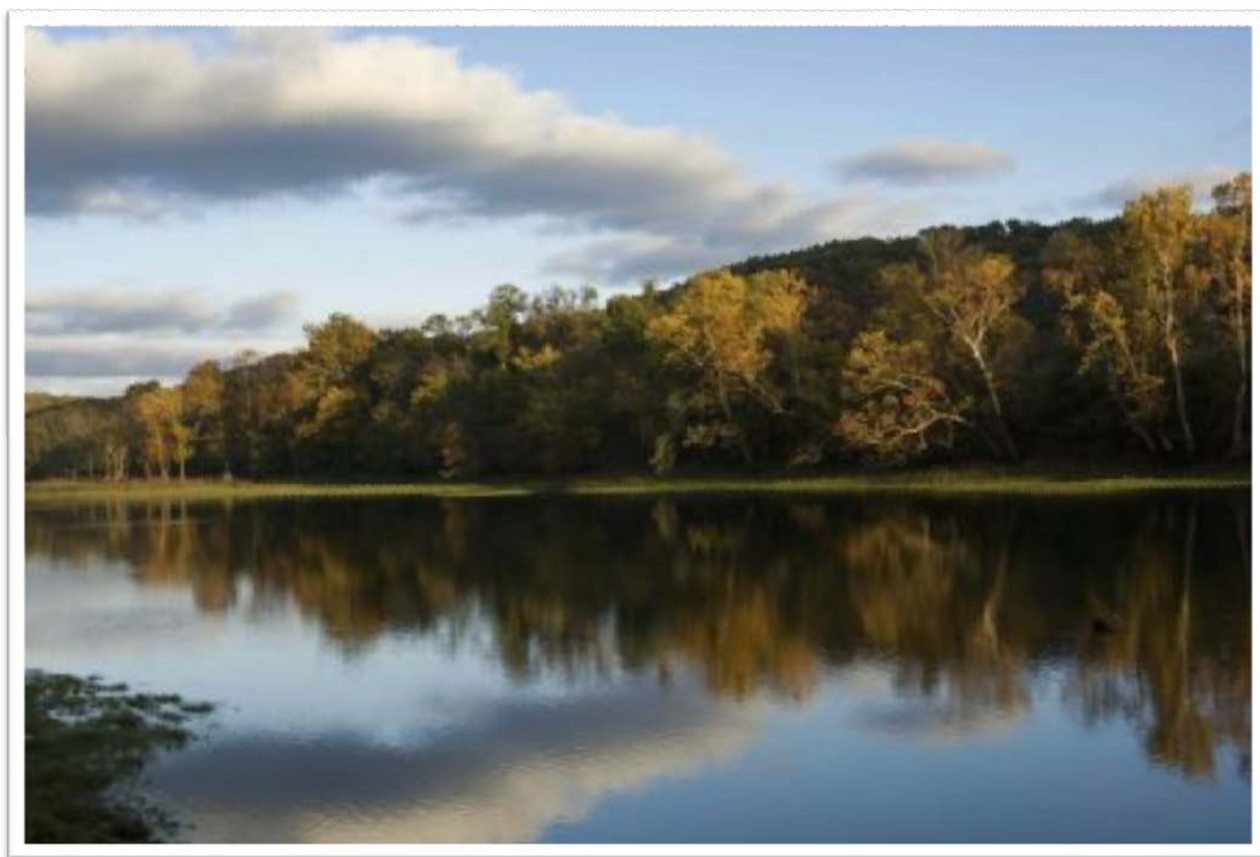
**STATE REVOLVING LOAN FUND PROGRAM**

**SFY2017 ANNUAL REPORT**

**(July 1, 2016 - June 30, 2017)**



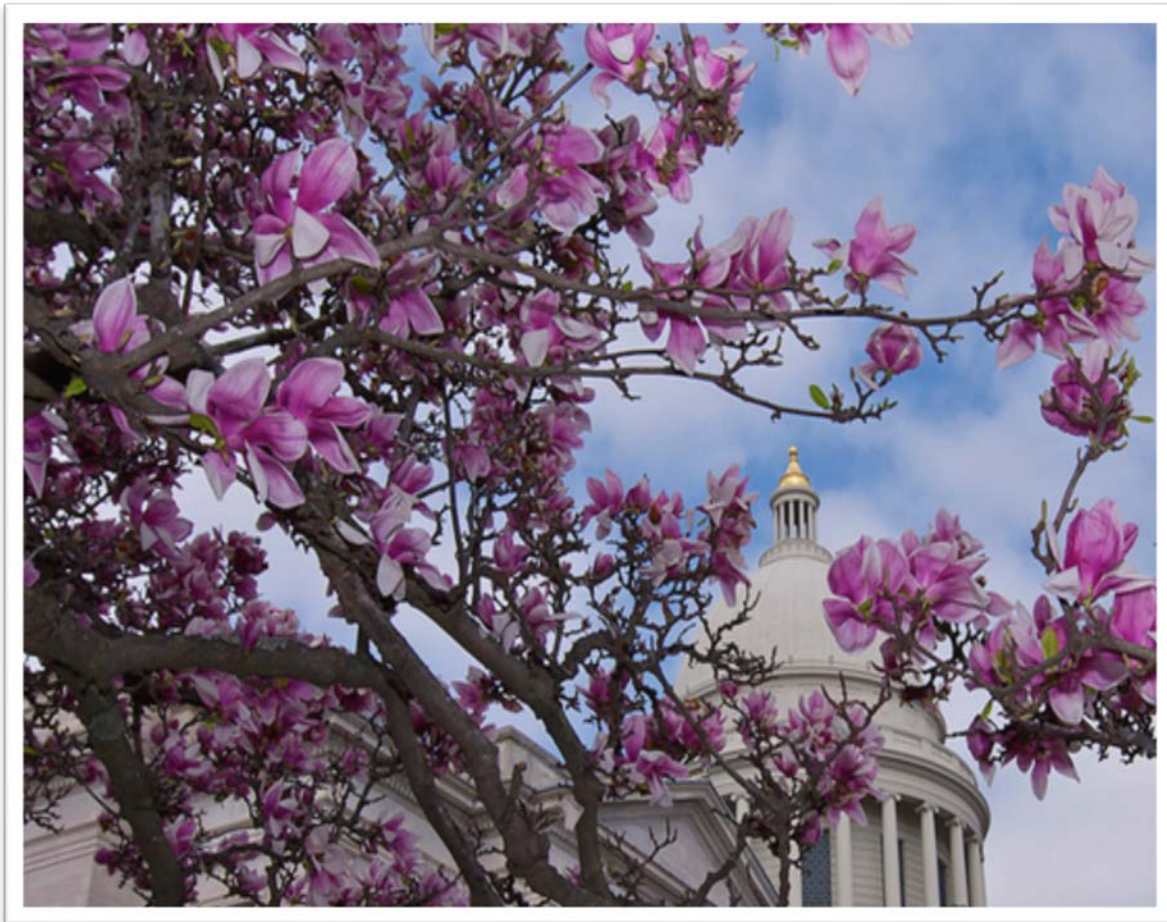
*Correction Submitted to EPA November 27, 2017*



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## **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) 2017, July 1, 2016 through June 30, 2017. This report addresses operation of the Drinking Water State Revolving Fund, 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 2017 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. In April, 1996, Arkansas Natural Resources Commission Title XV established the rules governing the Safe Drinking Water Fund.

Responsibilities for the DWSRF program are divided among the Arkansas Natural Resources Commission (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 2017 IUP to the Environmental Agency (EPA) in July 2016 and submitted a revised SFY 2017 IUP in August 2016.

In the Intended Use Plan for SFY 2017, the Arkansas Natural Resources Commission discussed its short-term and long-term goals as they relate to 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 Safe Drinking Water Fund



## **II. Projects and Available Assistance**

The DWSRF program expected to disburse approximately \$11.4 million to projects in SFY 2017. T

During SFY 2017 the program disbursed \$8.1 million to projects. Unfortunately this is a little less than anticipated. The Central Arkansas Water (CAW) #3 project originally anticipated disbursement of funds for mobilization, at a minimum, prior to the end of March 2017. Due to unforeseen delays, this project has not yet started construction. As a result, the estimated disbursements for this project did not occur making it difficult to meet the goal set in the IUP.

In addition, set aside expenditures were estimated at approximately \$4.55 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 \$3.9 million was expended in SFY 2017 for set asides, including the administration set aside ([Appendix A-4](#))

ANRC expended \$428,149 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 will continue to require compliance with the requirements of section 1450(e) of the Safe Drinking Water Act (42 U.S.C.300j-9(e), Labor Standards) in all procurement contracts and sub-grants, and require that loan recipients, procurement contractors and sub-grantees include such a term and condition in subcontracts and other lower tiered transactions.**

ANRC provides all recipients the SRF Supplemental Conditions document which includes language specific to this requirement, "All recipients agree to include in all agreements to provide assistance for any construction project carried out in whole or in part with such assistance made available by a drinking water revolving loan fund as authorized by section 1452 of the Safe Drinking Water Act (42 U.S.C. 300j-12), a term and condition requiring compliance with the requirements of section 1450(e) of the Safe Drinking Water Act (42 U.S.C.300j-9(e)) in all procurement contracts and sub-grants, and require that loan recipients, procurement contractors and sub-grantees include such a term and condition in subcontracts and other lower tiered transactions. All contracts and subcontracts for any construction project carried out in whole or in part with assistance made available as stated herein shall insert in full in any contract in excess of \$2,000 the contract clauses as attached hereto entitled "Wage Rate Requirements Under The Consolidated and Further Continuing Appropriations Act, 2013 (P.L. 113-6)." This term and condition applies to all agreements to provide assistance under the authorities referenced herein, whether in the form of a loan, bond purchase, grant, or any other vehicle to provide financing for a project, where such agreements are executed on or after October 30, 2009."

- 2. Arkansas will continue to implement the state source water assessment/protection program (Goals 1 & 2).**

Achievements toward this goal are addressed and reported in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

- 3. Arkansas will continue to screen projects using the Priority System to assure the Safe Drinking Water Acts overall goals are given priority in the Drinking Water State Revolving Fund program (Goals 1, 2, and 3).**

This is a short term, long term and environmental goal. Arkansas Department of Health conducts a needs survey and a new priority list is developed annually to assure that projects are identified. Entities listed ahead of the six (6) with binding commitments in this report were ineligible due to an inability to repay, were not ready to proceed, or chose to seek funding from a different source.

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

To meet this goal, ANRC applied for the 2016 Cap Grant on May 16, 2017 and the 2017 Cap grant on April 27, 2017.

- 5. The Division agrees to comply with all requests for data related to the use of the funds under Section 1452 of the Safe Drinking Water Act (SDWA), and to report all uses of the funds no less than quarterly, as EPA specifies for the Drinking Water Project Benefits Reporting database.**

Arkansas reported all loans for projects with binding commitments in SFY 2017 in the Drinking Water Project Benefits Reporting database, and updated the data as information changed.

- 6. The Division agrees to provide in its Annual Report information regarding key project characteristics, milestones, and environmental/public health protection results in the following areas: 1) achievement of the outputs and outcomes established in the Intended Use Plan; 2) the reasons for delays if established outputs or outcomes were not met; 3) any additional pertinent information on environmental results.**

Arkansas is providing in this report all of the information regarding key project characteristics, milestones, and environmental/public health protection results.

- 7. The Division agrees to support the repair, replacement and upgrade of existing infrastructures. Fix-it-first projects will be identified on the Drinking Water Project Priority List. Projects will be listed on the PPL in order of priority points, fix-it-first projects to least critical.**

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 AHD 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.

**8. Arkansas will continue to implement the State source water assessment/protection program (State Public Water Supply Supervision plan - Goals 1 & 2).**

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

**9. Arkansas will continue to implement the state capacity development program strategy at no cost to entities (Goals 1, 2 & 3).**

Achievements toward this goal are addressed and reported in the Arkansas Department of Health Annual Report, attached as [Appendix C](#).

**10. Arkansas anticipated two projects that included components that meet green project reserve requirements.**

Of the six (6) bond purchase agreements that were signed in SFY 2017, ANRC anticipates the Eudora, Rison, and Wooster projects may have a green component. However, ANRC makes this determination when the plans and specifications are approved or when construction bid tabs are received. The documentation to make this determination has not been received for these projects as of June 30, 2017. Furthermore, as projects progress from binding commitment to construction any identifiable green components will be reported.

**11. Arkansas anticipated two projects that met the add sub requirements.**

Of the six (6) bond purchase agreements that were signed in SFY 2017 only the Eudora included approval for principal forgiveness funding in an amount up to \$3,150,000. The Marshal project was also listed in the SFY 2017 IUP for principal forgiveness. Unfortunately, the Marshall project was unable to close prior to the end of SFY 2017.

**12. Arkansas anticipated entering into five (5) binding commitments for a total of \$7,850,000.**

During SFY 2017, six (6) bond purchase agreements were signed (binding commitments) totaling \$12,380,000 see [Appendix A-2](#) for details.

**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. Arkansas will continue to implement the Public Water System Supervision Program in accordance with the requirements of the federal Safe Drinking Water Act and in conformance with its Primacy commitments.**

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

- 2. Arkansas will continue to implement the state source water assessment/protection program (Goals 1 & 2), and will continue to implement the state capacity development program strategy at no cost to entities (Goals 1, 2 & 3).**

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

- 3. Arkansas will continue to implement the State capacity development program strategy (Goals 1, 2 & 3)**

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

- 4. Arkansas will 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 (Goals 1, 2 & 3).**

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 Drinking 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 Drinking 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: for a ten year repayment period 1.5%, for a 20 year repayment period 2.50%, and for a thirty year repayment period 3.0%. ANRC reviews these set rates annually, reviewing market interest rate trends to determine if they should be adjusted. Arkansas varies the Lending Rate in this manner to encourage repayment of the loans as quickly as possible in order for the Drinking Water State Revolving Fund program to fund other projects. The 1% service fee is placed into an account which is outside the Drinking Water State Revolving Fund.

- 5. Arkansas will continue to screen projects using the Priority System to assure the Safe Drinking Water Act overall goals are given priority in the Drinking Water State Revolving Fund program (Goals 1, 2 & 3).**

This is a short term, long term and environmental goal. Arkansas Department of Health conducts a needs survey and a new priority list is developed annually to assure that projects are identified. Entities listed ahead of the six (6) with binding commitments in this report were ineligible due to an inability to repay, were not ready to proceed, or chose to seek funding from a different source.

**6. Arkansas is committed to enhance the Drinking Water State Revolving Fund program by continuing to streamline the application process for the benefit of future generations (Goal 3).**

The Drinking Water State Revolving Fund program is continually being reviewed in terms of future demand, changes in loan terms, Lending Rates, and whether or not demand is such that there is a need to leverage the program. The primary concern is always to provide low cost loans to entities in Arkansas while maximizing the funds available in order to meet the purpose of the Safe Drinking Water Act through the improvement of the State's water infrastructure.

**7. Arkansas will maximize the number of entities meeting the Safe Drinking Water Act requirements by combining the Drinking Water State Revolving Fund 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. Arkansas was able to fund six (6) loans this year. None of these loans required co-funding with other programs to meet their needs.

**8. Arkansas plans to maintain the fiscal integrity of the Drinking Water State Revolving Fund (Goal 3).**

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.

**9. Arkansas is committed to maintaining the fund in perpetuity by protecting the principal that has been and continues to be deposited into the Drinking Water State Revolving Fund program (Goal 4).**

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.

**10. Arkansas will meet the growing demand for the Drinking Water State Revolving Fund program by leveraging the Fund when the demand exceeds the current revenue streams (Goals 3 & 4).**

Arkansas leverages periodically to increase the funds available for assistance. Arkansas did not leverage the Drinking Water program in State Fiscal Year 2017.

**11. 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 2015 and 2016 Cap Grants. The 2015 Cap Grant was awarded on September 2, 2015, ANRC is working to expend the remaining funds as soon as possible. However, this is dependent on the CAW #3 project proceeding to construction. Once the CAW #3 project starts, it is expected to complete construction in six to nine months. The federal draws for this loan will drastically reduce the 2015 Cap grant balance, if not exhaust it. The 2016 Cap Grant was awarded on August 24, 2016. ANRC has every expectation to fully expend these funds within the two year period.

**C. PROGRESS TOWARD ENVIRONMENTAL RESULT GOALS**

**1. Arkansas will continue to implement the State capacity development program strategy at no cost to entities (Goals 1, 2 & 3).**

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

**2. Arkansas will continue to screen projects using the Priority System to assure the Safe Drinking Water Act's overall goals are given priority in the Drinking Water State Revolving Fund program (Goals 1, 2 & 3).**

This is a short term, long term and environmental goal. Arkansas Department of Health conducts a needs survey and a new priority list is developed annually to assure that projects are identified. Entities listed ahead of the six (6) with binding commitments in this report were ineligible due to an inability to repay, were not ready to proceed, or chose to seek funding from a different source.

## **IV. Sources and Uses of Funds**

### **A. Sources of Drinking Water State Revolving Funding**

#### **1. Capitalization Grants**

EPA has awarded Arkansas a total of \$257,187,300 in federal capitalization grants through the 2016 cap grant, including the ARRA capitalization grant in the amount of \$24,485,000.

#### **2. State Match**

Total State Match required through SFY 2017 (2016 Cap Grant) is \$46,542,060, of which \$2,547,800 in state match, for the 2016 Cap Grant, was deposited during SFY17. This amount exceeded the required match by \$4,000, which will be applied to future state match requirements. Arkansas Department of Health provided additional state matching funds for the State Program Management Set-Aside as discussed in the Arkansas Department of Health Annual Report found in [Appendix C](#).

The state match can be funded from the Administrative Fees (administrative account) which is outside the DWSRF and a grant from the State General Obligation Bond Program. The 2016 Cap Grant state match was funded from the administrative account.

#### **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 2017.

#### **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 \$14,214,564 in principal loan repayments, \$3,095,910 in interest on outstanding loans; and \$777,531 in interest earnings on investments.

#### **6. Financing Fees**

Effective January 1, 2015, the Lending Rate was 1.5% for a ten year repayment period, 2.50% for a 20 year repayment period, and 3.0% for a thirty year repayment period. The fees are used to pay program expenses and other eligible DWSRF purposes.

The one percent (1%) financing fee on outstanding principal loan balances produced over \$1.6 million for the state fiscal year ([Appendix B-3](#)). These funds are held outside the Fund in the Fees and Administrative Account. The fees and administrative account held funds totaling \$4,696,179.21 at the end of SFY 2017. These funds held in the fees and administrative account were available for program expenses, including cap grant state match, and other eligible DWSRF purposes.

## **B. Uses of Drinking Water State Revolving Funds**

Arkansas Natural Resources Commission used Drinking Water State Revolving Funds to make loan disbursements of \$8,133,760.97 to water projects under construction. Of this amount, Federal funds of \$8,133,760 were disbursed to loan recipients. State funds of \$2,547,800 were deposited into the state match account but have not yet been disbursed.

### **1. Loan Assistance Status**

In this reporting period, Arkansas Natural Resources Commission closed six (6) loans; see [Appendix A-2](#) for additional details.

### **2. Binding Commitments**

During the year binding commitments totaled \$12,380,000, which increased the adjusted cumulative total to \$274,634,147. Consequently, the percentage of actual binding commitments to required binding commitments increased to 137% ([Appendix A-2](#)) by the end of the fiscal year. Of the six (6) binding commitments made, all three proceeded to loan closing during this 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 during SFY 2017 were ineligible due to an inability to repay, were not ready to proceed, or chose to seek funding from a different source.

### **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).

Five (5) of the six (6) loans closed were to entities that qualify as a small system. The cumulative amount of loans to small systems is \$75,126,800; which is 27% of total binding commitments. ([Appendix A-1](#))

### **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. Two (2) of the six (6) 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 \$128,974,800; which is 47% of total binding commitments. ([Appendix A-1](#))



## **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 \$428,149.24 in annual expenses was funded from the 4% set-aside for Drinking Water State Revolving Fund administration set aside during SFY 2017 ([Appendix A-4](#)). ADH expended \$3,506,297 in federal funds for program administration and other set-aside expenditures for the fiscal year ([Appendix A-4](#)). Total set aside federal expenditures for SFY 2017 totaled just over 3.9 million ([Appendix A-4](#)).

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 BKD, LLP is conducting an independent audit of the Drinking Water State Revolving Fund for SFY 2017. 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 BKD report. An electronic copy of the audit will be provided to EPA when it becomes available.

### **1. Status of Loans**

As of June 30, 2017, the Drinking Water State Revolving Fund has funded a total of \$274,634,147 in binding commitments ([Appendix A-2](#)). Loans receivable, which constitute the major portion of Drinking Water State Revolving Fund assets, had a year-end balance of \$161,354,864 ([Appendix B-1](#)).

### **2. Loan Disbursements**

Arkansas disbursed a total of \$8,133,760 in Federal funds to borrowers during this reporting period. The cumulative amount of Federal funds disbursed for loans is \$160,987,267.

### **3. Set-Aside Disbursements**

A total of \$428,149.24 was funded from the 4% set-aside for Drinking Water State Revolving Fund administration during SFY 2017 ([Appendix A-4](#)). ADH expended \$3,506,297 in federal funds for program administration and other set-aside expenditures for the fiscal year ([Appendix A-4](#) and [Appendix C](#)). Total set aside federal expenditures for SFY 2017 totaled just over 3.9 million ([Appendix A-4](#)). Funds outside of the DWSRF are not included in this data.

#### **4. Annual Repayment/Aging of Accounts**

Approximately \$14,214,564 in principal was repaid in SFY 2017. ANRC had four loan delinquencies in SFY 2017.

Entity	Delinquent Amt.	Due Date
Arkadelphia	31,399.11	Apr-17
East Prairie	1,481.27	May-17
East Prairie	1,481.27	Jun-17
Strong	2,678.51	Oct-16
Strong	3,625.00	Apr-17
Thornton ( <i>Received Aug 2017</i> )	14,062.50	Apr-17
Total	\$54,727.66	

#### **5. 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.

#### **6. Investments**

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

#### **7. Environmental Results**

Arkansas' Drinking Water State Revolving Fund Program will satisfy EPA's Strategic Goal 2 for Clean and Safe Water, Objective 2.1 for Protecting Human Health, Sub objective 2.1.1 for Water Safe to drink by relating the activities of the Program to quantifiable environmental results.

#### **8. Transfer**

In the SFY 2017 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 any funds for SFY 2017.

## **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 SWSRLF 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 ([Appendix A-3](#)).

### **2. Deposit State Matching Funds**

Arkansas provided state match in the amount of \$2,547,800 in SFY 2017, this amount is \$4,000 more than the required state match for the 2016 Cap Grant. This excess state match will be applied to a future Cap Grant state match requirement. Arkansas Department of Health describes their state matching funds in the Arkansas Department of Health Annual Report in [Appendix C](#).

### **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 2017 annual audit conducted by BKD, LLP, 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 FY2016 capitalization grant (FS986001-19). 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 SFY2017:

Type	MBE	WBE
Construction	8.30%	11.00%
Services	13.10%	20.00%
Supplies	2.60%	8.70%
Equipment	2.80%	1.10%

Federal Draws by quarter:

QTR		Cap Grant Amount*	MBE	%	WBE	%
1	Jul - Sept 2016	\$ 1,821,843.97	\$ -	0.000%	\$ -	0.000%
2	Oct - Dec 2016	\$ 2,051,092.00	\$ -	0.000%	\$ -	0.000%
3	Jan - Mar 2017	\$ 1,138,869.00	\$ -	0.000%	\$ -	0.000%
4	Apr - Jun 2017	\$ 3,121,956.00	\$ -	0.000%	\$ -	0.000%
Total		* \$8,133,760.97	\$ -	0.000%	\$ -	0.000%

\* Amounts reflect Construction only

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 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 2017 were reviewed and approved using the state's environmental review procedures. The following table shows the environmental reviews that were conducted and the results of each review.

ENTITY	RESULT
Arkadelphia (L)	CE
Bearden (L)	CE
Eudora ( L)	FONSI
Rison (L)	CE
Wooster (L)	CE



**V. Appendix A – Program Charts**

## Appendix A-1 – Sources and Uses

<b>Sources and Uses</b>	
<b><u>SOURCES OF FUNDS</u></b>	
Beginning Balance (06/30/2016)	77,663,015.95
<b><i>State Fiscal Year 2017</i></b>	
Federal Grant FFY 2017	12,610,000.00
State Match paid in SFY 2018 <i>(FFY17 Cap Grant)</i>	2,522,000.00
2015 Federal Cap Grant Balance	3,382,207.38
2016 Federal Cap Grant Balance	8,721,670.00
Principal Repayments	14,214,564.00
Interest Earnings on Loans & Investments	3,873,441.00
<b>Sub Total</b>	<b>\$ 45,323,882.38</b>
<b>Total Sources of Funds</b>	<b>\$ 122,986,898.33</b>
<b><u>USES OF FUNDS</u></b>	
<b><i>DWSRF Loan Commitments for SFY 2017</i></b>	
ANRC Approved Loans <i>(not closed)</i>	35,311,633.00
ANRC Approved Loans <i>(closed, undisbursed funds)</i>	12,089,967.06
<b>Sub Total</b>	<b>\$ 47,401,600.06</b>
<b><i>DWSRF Set-Aside Programs for SFY 2017</i></b>	
Administration	428,149.24
Small	208,932.42
State	1,094,044.40
Wellhead	792,137.28
Capacity Development Program (CD)	1,411,183.16
<b>Sub Total</b>	<b>\$ 3,934,446.50</b>
<b><i>Debt Service Obligations</i></b>	
Leveraged Bond Principal	1,810,000.00
Leveraged Bond Interest	991,237.00
<b>Sub Total</b>	<b>\$ 2,801,237.00</b>
<b>Total Uses of Funds</b>	<b>\$ 54,137,283.56</b>
<b>Available Funds</b>	<b>\$ 68,849,614.77</b>
Fees are not deposited into the Fund; therefore, based on EPA guidance they are not included in the Sources and Uses for the Fund	

## Appendix A-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 Construction Completion Date	Estimated Disbursement Cut-Off Date	Estimated Loan Maturity Date	Combined Interest Rate	Term	Disadvantaged Community
1	Arkadelphia (L)	Water Treatment Plant Improvements	WRD-004-008	01059	07/14/16	07/14/16	4,700,000	0	0	10/03/17	04/15/19	07/01/46	3.00%	30	4,700,000
2	Bearden (L)	Rehabilitate and upgrade four (4) elevated water storage tanks	WRD-004-001	01050	07/11/16	09/07/16	1,100,000	0	0	11/01/17	10/15/19	09/01/36	2.50%	20	0
3	Eudora (L)	Water Line Replacement and System Improvements	WRD-003-995	01041	06/01/17	05/03/17	550,000	0	0	06/01/18	10/15/19	06/01/27	2.40%	20	0
4	Eudora (F)	Water Line Replacement and System Improvements	WRD-003-995	01042	06/01/17	05/03/17	3,150,000	3,150,000	0	06/01/18	10/15/19	06/01/27	2.40%	20	0
5	Rison (L)	Water Meter Replacement Project	WRD-004-013	01064	05/22/17	05/22/27	350,000	0	0	10/05/17	10/05/18	05/01/27	1.50%	10	0
6	Wooster (L)	Water System Improvements	WRD-004-023	01078	05/25/17	8/15/17 (T)	2,530,000	0	0	07/30/18	10/15/19	05/01/37	2.50%	20	0
SECTION 1452 LOANS CLOSED SFY 2017 TOTAL							\$ 12,380,000	\$ 3,150,000	\$ -						\$ 4,700,000
TOTAL CUM SECTION 1452 LOANS (Binding Commitments through 6/30/16)							\$ 262,254,147	\$ 18,476,554							\$ 121,124,800
TOTAL CUM SECTION 1452 LOANS CLOSED / BINDING COMMITMENTS							\$ 274,634,147	\$ 21,626,554							\$ 125,824,800

\* The green project reserve meets the Water Efficiency category.

Percentage of Binding Commitments: 46%

\*\*Small systems are defined as systems with population of 10,000 or less

## Appendix A-3 – Comparison of Grant Payments and Binding Commitments

Required Binding Commitments, and Actual 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 13	2014	1	SFY14 Q1	FFY13 Q4	0	35,985,961			0	179,929,804	48,959,791	130,970,014	10,721,140	163,581,194	1,450,000	240,342,347	147%
Oct - Dec 13		2	SFY14 Q2	FFY14 Q1	637,150	36,623,111	3,185,750	923,868	2,261,883	183,115,554	49,883,658	133,231,896	3,374,780	166,955,974	2,380,000	242,722,347	145%
Jan - Mar 14		3	SFY14 Q3	FFY14 Q2	637,150	37,260,261	3,185,750	923,868	2,261,882	186,301,304	50,807,526	135,493,778	0	166,955,974		242,722,347	145%
Apr - Jun 14		4	SFY14 Q4	FFY14 Q3	637,150	37,897,411	3,185,750	923,868	2,261,882	189,487,054	51,731,394	137,755,660	0	166,955,974	5,000,000	247,722,347	148%
Jul - Sep 14	2015	1	SFY15 Q1	FFY14 Q4	637,150	38,534,561	3,185,750	923,868	2,261,882	192,672,804	52,655,262	140,017,542	0	166,955,974		247,722,347	148%
Oct - Dec 14		2	SFY15 Q2	FFY15 Q1	676,700	39,211,261	3,383,500	981,215	2,402,285	196,056,304	53,636,477	142,419,827	2,899,033	169,855,007	5,331,800	253,054,147	149%
Jan - Mar 15		3	SFY15 Q3	FFY15 Q2	676,700	39,887,961	3,383,500	981,215	2,402,285	199,439,804	54,617,692	144,822,112	2,899,032	172,754,039		253,054,147	146%
Apr - Jun 15		4	SFY15 Q4	FFY15 Q3	676,700	40,564,661	3,383,500	981,215	2,402,285	202,823,304	55,598,907	147,224,397	2,899,032	175,653,071	5,200,000	258,254,147	147%
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	46,474,161	3,179,750	1,102,470	2,077,280	232,370,804	64,889,052	167,481,752	3,058,738	203,102,993		274,634,147	135%
Oct - Dec 17		2	SFY18 Q2	FFY18 Q1	0	46,474,161				232,370,804	64,889,052	167,481,752	2,713,230	205,816,223		274,634,147	133%
Jan - Mar 18		3	SFY18 Q3	FFY18 Q2	0	46,474,161				232,370,804	64,889,052	167,481,752	2,713,230	208,529,453		274,634,147	132%
Apr - Jun 18		4	SFY18 Q4	FFY18 Q3	0	46,474,161				232,370,804	64,889,052	167,481,752	2,713,230	211,242,683		274,634,147	130%

## Appendix A-4 – DWSRF Set-Asides (federal funds drawn)

Federal Grant Year	Total Grant	Grant Approval Date	4-Year Deadline	SWAP (WHP & CD Combined)				Capacity Development - CD				WHP			
				Awarded	Expended Inception to 6/30/16	Expended FY17	Amt Available 06/30/2017	Awarded	Expended Inception to 6/30/16	Expended FY17	Amt Available 06/30/2017	Awarded	Expended Inception to 6/30/16	Expended FY17	Amt Available 06/30/2017
1997-2013	\$ 193,851,300	01/28/3608		8,663,029	8,663,029		0	11,441,126	11,441,126		0	4,937,514	4,937,514		0
2014	\$ 13,534,000	09/22/2014	09/22/2018	0			0	1,353,400	648,529	704,871	0	676,700	388,128	288,572	0
2015	\$ 13,445,000	09/02/2015	09/02/2019	0			0	1,344,500		706,312	638,188	672,250		503,565	168,685
2016	\$ 12,719,000	08/24/2016	08/24/2020	0			0	1,271,900			1,271,900	635,950			635,950
2017	\$ 12,719,000			0			0				0				0
Total Available	\$ 246,268,300			\$ 8,663,029	\$ 8,663,029	\$ -	\$ 0	\$ 15,410,926	\$ 12,089,655	\$ 1,411,183	\$ 1,910,088	\$ 6,922,414	\$ 5,325,642	\$ 792,137	\$ 804,635
				\$ -				\$ 13,999,743				\$ 6,130,277			



### **Appendix A-5 – Loan Disbursements by Project**

<i><b>Project Name:</b></i>	<i><b>Loan Number</b></i>	<i><b>Project Number</b></i>	<i><b>Payment Date</b></i>	<i><b>Federal Funds</b></i>	<i><b>TOTALS</b></i>
<b>Arkadelphia</b>					
Arkadelphia New	01059-DWSRF-L	WRD-004-008	07/07/2016	20,000.00	20,000.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	03/28/2017	199,452.00	199,452.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	04/26/2017	422,129.00	422,129.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	05/30/2017	1,372,783.00	1,372,783.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	07/20/2016	75,240.00	75,240.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	08/24/2016	628,868.00	628,868.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	09/28/2016	131,541.00	131,541.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	10/31/2016	148,174.38	148,174.38
Arkadelphia New	01059-DWSRF-L	WRD-004-008	10/31/2016	440,734.62	440,734.62
Arkadelphia New	01059-DWSRF-L	WRD-004-008	11/17/2016	412,242.00	412,242.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	12/31/2016	294,597.00	294,597.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	01/30/2017	251,924.00	251,924.00
Arkadelphia New	01059-DWSRF-L	WRD-004-008	02/27/2017	302,315.00	302,315.00
				<b>4,700,000.00</b>	<b>4,700,000.00</b>
<b>Bearden</b>					
Bearden Upgrade Tanks	01050-DWSRF-L	WRD-004-001	08/23/2016	85,052.00	85,052.00
Bearden Upgrade Tanks	01050-DWSRF-L	WRD-004-001	05/30/2017	362,561.00	362,561.00
				<b>447,613.00</b>	<b>447,613.00</b>
<b>Chidester #2 (PF)</b>					
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	10/31/2016	74,513.00	74,513.00
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	04/28/2017	56,767.00	56,767.00
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	05/30/2017	2,059.00	2,059.00
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	08/23/2016	202,472.00	202,472.00
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	11/30/2016	105,848.00	105,848.00
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	12/31/2016	68,331.00	68,331.00
Chidester #2 (PF)	00955-DWSRF-F	WRD-003-813	01/30/2017	43,574.00	43,574.00
				<b>553,564.00</b>	<b>553,564.00</b>
<b>Eudora (L)</b>					
Eudora (L)	01042-DWSRF-L	WRD-003-995	05/30/2017	8,500.00	8,500.00
				<b>8,500.00</b>	<b>8,500.00</b>
<b>Eudora (PF)</b>					
Eudora (PF)	01041-DWSRF-F	SRD-003-995	05/30/2017	161,095.00	161,095.00
Eudora (PF)	01041-DWSRF-F	SRD-003-995	06/27/2017	526,696.00	526,696.00
				<b>687,791.00</b>	<b>687,791.00</b>
<b>Jacksonville</b>					
Jacksonville	00798-DWSRF-L	WRD-003-727	07/20/2016	463.00	463.00
Jacksonville	00798-DWSRF-L	WRD-003-727	01/30/2017	28,636.00	28,636.00
Jacksonville	00798-DWSRF-L	WRD-003-727	06/27/2017	28,636.00	28,636.00
				<b>57,735.00</b>	<b>57,735.00</b>
<b>Rison(L)</b>					
Rison(L)	01064-DWSRF-L	WRD-004-013	05/30/2017	39,061.00	39,061.00
				<b>39,061.00</b>	<b>39,061.00</b>
<b>Sardis WAPWA #4</b>					
Sardis WAPWA #4	00933-DWSRF-L	WRD-003-879	07/26/2016	68,615.00	68,615.00
Sardis WAPWA #4	00933-DWSRF-L	WRD-003-879	11/30/2016	92,919.00	92,919.00
Sardis WAPWA #4	00933-DWSRF-L	WRD-003-879	12/31/2016	55,631.00	55,631.00
				<b>217,165.00</b>	<b>217,165.00</b>

<i>Project Name:</i>	<i>Loan Number</i>	<i>Project Number</i>	<i>Payment Date</i>	<i>Federal Funds</i>	<i>TOTALS</i>
<b>Strong (L)</b>					
Strong (L)	00977-DWSRF-L	WRD-003-869	09/28/2016	43,938.97	43,938.97
				<b>43,938.97</b>	<b>43,938.97</b>
<b>Thornton (L)</b>					
Thornton (L)	00986-DWSRF-L	WRD-003-873	06/27/2017	7,000.00	7,000.00
				<b>7,000.00</b>	<b>7,000.00</b>
<b>Thornton (PF)</b>					
Thornton (PF)	00986-DWSRF-F	WRD-003-873	09/28/2016	106,168.00	106,168.00
Thornton (PF)	00986-DWSRF-F	WRD-003-873	10/31/2016	34,048.00	34,048.00
Thornton (PF)	00986-DWSRF-F	WRD-003-873	11/17/2016	87,210.00	87,210.00
Thornton (PF)	00986-DWSRF-F	WRD-003-873	01/30/2017	5,000.00	5,000.00
Thornton (PF)	00986-DWSRF-F	WRD-003-873	07/20/2016	47,260.00	47,260.00
Thornton (PF)	00986-DWSRF-F	WRD-003-873	08/23/2016	97,297.00	97,297.00
				<b>376,983.00</b>	<b>376,983.00</b>
<b>Waldo (PF)</b>					
Waldo (PF)	00995-DWSRF-F	WRD-003-880	08/23/2016	106,439.00	106,439.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	09/28/2016	97,041.00	97,041.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	10/31/2016	95,113.00	95,113.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	11/17/2016	81,279.00	81,279.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	12/31/2016	60,452.00	60,452.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	01/31/2017	95,117.00	95,117.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	02/22/2017	91,896.00	91,896.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	03/28/2017	120,955.00	120,955.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	04/28/2017	26,871.00	26,871.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	05/30/2017	107,798.00	107,798.00
Waldo (PF)	00995-DWSRF-F	WRD-003-880	07/20/2016	105,449.00	105,449.00
				<b>988,410.00</b>	<b>988,410.00</b>
<b>Winthrop (PF)</b>					
Winthrop (PF)	00911-DWSRF-F	WRD-003-816	07/23/2016	6,000.00	6,000.00
				<b>6,000.00</b>	<b>6,000.00</b>
<b>Grand Total</b>				<b>\$8,133,760.97</b>	<b>\$8,133,760.97</b>

## Appendix A-6 – Additional Subsidization by Cap Grant

Drinking Water Grant Requirements  
Add. Sub. & GPR

As of: 6/30/2017

2010 Cap Grant Requirements (Award date 04/05/11) - CLOSED								
Project	Add Sub (PF) Minimum Amt. 6,161,700	Add Sub (PF) Expended	Relinquished Funds	Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Required 4,107,800	Green Expended	Green Unexpended Balance
McNeil	1,253,860	1,253,860		0	98.9000%	1,240,068	1,240,068	-
Norman	2,239,005	2,239,005		0	100.0000%	2,239,005	2,239,005	-
Old Bella Vista	595,817	595,817	(4,183)	0	0.0000%	-	-	-
Stephens	2,074,000	2,074,000		0	100.0000%	630,000	630,000	-
2010 Grant Totals	6,162,682	6,162,682	(4,183)	0		4,109,073	4,109,073	-
(Over)/Under	(982)	(982)				(1,273)		

2011 Cap Grant Requirements (Award date 03/14/12) - CLOSED								
Project	Add Sub (PF) Minimum Amt. 4,276,510	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Required 2,850,400	Green Expended	Green Remaining Balance
Bradley	1,700,000	1,351,551		-	0.0000%	-	-	-
Chidester 1	1,450,000	1,450,000		-	95.9413%	521,000	521,000	-
Stephens	885,959	885,959		-	100.0000%	2,329,959	2,329,959	-
Wilton (PF)	590,001	590,001		-	97.5068%	-	-	-
2011 Grant Totals	4,625,960	4,277,511		-		2,850,959	2,850,959	-
(Over)/Under	(349,450)	(1,001)				(559)		

2012 Cap Grant Requirements (Award date 05/14/12) - CLOSED								
Project	Add Sub (PF) Minimum Amt. 2,716,400	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Suggested Amt 2,716,400	Green Expended	Green Remaining Balance
Chidester 1		-		-	95.9413%	870,149	870,149	-
Lockesburg (PF)	1,073,876	1,073,876	(166,124)	-	0.0000%	322,000	322,000	-
Strong	489,352	489,352		-				-
Wilton (L)				-	97.5068%	195,014	195,014	-
Wilton (PF)	331,485	331,485		-	97.5068%	530,000	530,000	-
Winthrop (L)				-	95.1214%	266,340	266,340	-
Winthrop (PF)	900,000	821,687	(78,313)	-	95.1214%	533,660	533,660	0
2012 Grant Totals	2,794,713	2,716,400		-		2,717,162	2,717,162	0
AR Targeted Amt:	3,000,000				** Max Add Sub = 4,074,600			
(Over)/Under	(78,313)	0				(762)		

2013 Cap Grant Requirements (Award date 9/12/13) - CLOSED 03/06/17								
Project	Add Sub (PF) Minimum Amt. 2,548,600	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Suggested Amt 2,548,600	Green Expended	Green Remaining Balance
Lockesburg (L)	-	-		-	96.2687%	1,051,062	1,051,062	-
Lockesburg (PF)	-	-		-	96.2687%	871,732	871,732	-
Strong	910,648	910,648		-	0.0000%			-
Thornton (PF)	873,804	873,804		-	95.8000%	9,355	9,355	-
Waldo	764,148	764,148		-	0.0000%			-
Wilton (PF)	-	-		-	97.5068%	368,511	368,511	-
Winthrop (PF)	-	-		-	95.1214%	247,940	247,940	(0)
2013 Grant Totals	2,548,600	2,548,600		0		2,548,600	2,548,600	(0)
AR Targeted Amt:	3,000,000				** Max Add Sub = 3,822,900			
(Over)/Under	0	0				0		

2014 Cap Grant Requirements (Award date 09/29/14)								
Project	Add Sub (PF) Minimum Amt. 2,706,800	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Suggested Amt 2,706,800	Green Expended	Green Remaining Balance
Chidester 2	794,000	794,000		-	0.0000%			
Eudora	76,948	76,948		-	0.0000%			
Thornton (L)	-	-		-	95.8000%	1,077,750	1,077,750	-
Thornton (PF)	-	-		-	95.8000%	827,749	827,749	-
Waldo	1,835,852	1,672,396		163,456	0.0000%			-
2014 Grant Totals	2,706,800	2,543,344		163,456		1,905,499	1,905,499	-
AR Targeted Amt:	3,000,000				** Max Add Sub = 4,660,200			
(Over)/Under	0	163,456				801,301		

2015 Cap Grant Requirements (Award date 09/02/15)								
Project	Add Sub (PF) Minimum Amt. 2,689,000	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Suggested Amt 2,689,000	Green Expended	Green Remaining Balance
Eudora	2,689,000	610,843		2,078,157	0.0000%			
2015 Grant Totals	2,689,000	610,843		2,078,157		-	-	-
AR Targeted Amt:	2,800,000				** Max Add Sub = 4,033,500			
(Over)/Under	0	2,078,157				2,689,000		

2016 Cap Grant Requirements (Award date 08/24/16)								
Project	Add Sub (PF) Minimum Amt. 2,543,800	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance	Percentage of Project Meeting GPR Requirements	Green Suggested Amt 2,543,800	Green Expended	Green Remaining Balance
Eudora	684,052	-		684,052	0.0000%			
Marshall	1,200,000	-		1,200,000	0.0000%			
Old Bella Vista POA	500,000	-		500,000	0.0000%			
South Pike County Water	300,000	-		300,000	0.0000%			
2016 Grant Totals	2,684,052	-		2,684,052		-	-	-
AR Targeted Amt:	2,750,000				** Max Add Sub = ????			
(Over)/Under	(140,252)	2,543,800				2,543,800		

	Add Sub (PF) Required Amt.	Add Sub (PF) Expended		Add Sub (PF) Remaining Balance		Green Required Amt	Green Expended	Green Remaining Balance
Grand Totals	\$ 23,642,810	\$ 18,859,380		\$ 4,925,665		\$ 6,958,200	\$ 14,131,293	\$ (0)

## **VI. Appendix B**

### **FINANCIAL STATEMENT REPORTS Capacity Analysis Bond Issuance**

**Appendix B-1 – Statement of Net Position**

<b>YEARS ENDING JUNE 30, 2017 and June 30, 2016</b>		
	<b>2017 (UNAUDITED)</b>	<b>2016 (AUDITED)</b>
<b>ASSETS</b>		
<b><i>Current Assets</i></b>		
Cash and cash equivalents	\$ 41,594,081	\$ 15,987,555
Accrued interest receivable:		
Investment	\$ 186,420	\$ 108,409
Loans	\$ 195,142	\$ 202,815
Accounts receivable:	\$ -	\$ -
Borrowers	\$ 107,500	\$ 111,753
EPA	\$ 723,810	\$ 431,649
Investments - current portion	\$ 23,989,140	\$ 30,029,680
<b><i>Total Current Assets</i></b>	<b>\$ 66,796,093</b>	<b>\$ 46,871,860</b>
<b><i>Noncurrent Assets</i></b>		
Investments, at fair value	\$ 34,130,940	\$ 37,221,640
Loans receivable- restricted	\$ 161,354,864	\$ 170,151,657
<b><i>Total Noncurrent Assets</i></b>	<b>\$ 195,485,804</b>	<b>\$ 207,373,297</b>
<b>TOTAL ASSETS</b>	<b>\$ 262,281,897</b>	<b>\$ 254,245,157</b>
<b>LIABILITIES</b>		
<b><i>Current Liabilities</i></b>		
Accounts payable	\$ 719,732	\$ 536,124
Accrued interest payable	\$ 75,061	\$ 82,603
Bonds payable-current portion	\$ 1,765,000	\$ 1,810,000
<b><i>Total Current Liabilities</i></b>	<b>\$ 2,559,793</b>	<b>\$ 2,428,728</b>
<b><i>Noncurrent Liabilities</i></b>		
Bonds payable-net of unamortized premiums	\$ 19,064,863	\$ 21,183,460
<b><i>Total Noncurrent Liabilities</i></b>	<b>\$ 19,064,863</b>	<b>\$ 21,183,460</b>
<b>TOTAL LIABILITIES</b>	<b>\$ 21,624,657</b>	<b>\$ 23,612,188</b>
<b>NET ASSETS</b>		
Restricted for program administration	\$ 240,657,240	\$ 230,632,969



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

COMBINING STATEMENT OF REVENUES, EXPENSES AND CHANGES IN NET POSITION					
YEARS ENDING JUNE 30, 2017 and June 30, 2016					
	DEPT. OF HEALTH SET-ASIDE	FEES AND EXPENSE	REVOLVING LOAN FUND	2017 (UNAUDITED)	2016 (AUDITED)
<b><u>OPERATING REVENUES</u></b>					
Interest Income					
Investments	\$ -	\$ 29,234	\$ 864,281	\$ 893,515	\$ 193,082
Loans	\$ -	\$ 75,093	\$ 3,088,317	\$ 3,163,410	\$ 3,509,286
Financing fees	\$ -	\$ 1,634,412	\$ 8	\$ 1,634,420	\$ 1,732,146
Net increase in Fair Value of Investments	\$ -	\$ (3,040)	\$ (483,162)	\$ (486,202)	\$ 70,132
Total Operating Revenues	\$ -	\$ 1,735,699	\$ 3,469,444	\$ 5,205,143	\$ 5,504,646
<b><u>OPERATING EXPENSES</u></b>					
Program Administration	\$ -	\$ 178,342	\$ -	\$ 178,342	\$ 183,955
Federal financial assistance programs					
BASE	\$ -	\$ -	\$ 2,619,748	\$ 2,619,748	\$ 4,356,422
Bond Interest	\$ -	\$ -	\$ 983,695	\$ 983,695	\$ 1,073,967
Amortization of bond premiums	\$ -	\$ -	\$ (353,598)	\$ (353,598)	\$ (386,046)
Total Operating Expenses	\$ -	\$ 178,342	\$ 3,249,845	\$ 3,428,187	\$ 5,228,297
<b><u>OPERATING INCOME</u></b>	\$ -	\$ 1,557,357	\$ 219,599	\$ 1,776,956	\$ 276,349
<b><u>NON-OPERATING INCOME</u></b>					
Federal Grants	\$ 3,693,051	\$ 533,608	\$ 8,133,709	\$ 12,360,368	\$ 12,398,653
State Contributions	\$ -	\$ -	\$ -	\$ -	\$ -
<b><u>INCOME BEFORE TRANSFERS OUT</u></b>	\$ 3,693,051	\$ 2,090,965	\$ 8,353,307	\$ 14,137,324	\$ 12,675,002
Transfers (Out) In	\$ (3,693,051)	\$ (2,967,792)	\$ 2,547,791	\$ (4,113,052)	\$ (4,010,599)
Change in Net Position	\$ -	\$ (876,827)	\$ 10,901,098	\$ 10,024,272	\$ 8,664,403
<b><u>NET POSITION</u></b>					
Beginning of year	\$ -	\$ 9,389,844	\$ 221,243,125	\$ 230,632,969	\$ 221,968,566
End of year	\$ -	\$ 8,513,017	\$ 232,144,223	\$ 240,657,240	\$ 230,632,969

## Appendix B-3 – Statement of Cash Flows

YEARS ENDING JUNE 30, 2017 and June 30, 2016					
	SET ASIDES	FEEs AND EXPENSES	REVOLVING LOAN FUND	2017 (UNAUDITED)	2016 (AUDITED)
<b><u>OPERATING ACTIVITIES</u></b>					
Financing fees received	\$ -	\$ 1,638,673	\$ -	\$ 1,638,673	
Cash paid for program administration	\$ -	\$ (185,116)	\$ 3,620	\$ (181,496)	
				\$ -	
Net cash provided by operating activities	\$ -	\$ 1,453,557	\$ 3,620	\$ 1,457,177	\$ -
<b><u>NON-CAPITAL FINANCING ACTIVITIES</u></b>					
Repayment of long-term debt	\$ -	\$ -	\$ (1,810,000)	\$ (1,810,000)	
Cash paid for interest	\$ -	\$ -	\$ (991,237)	\$ (991,237)	
Proceeds from bond issuance	\$ -	\$ -	\$ -	\$ -	
Cash paid for cost of issuance of long-term debt	\$ -	\$ -	\$ -	\$ -	
Transfer In (Out)	\$ (3,506,349)	\$ (2,967,792)	\$ 2,547,791	\$ (3,926,350)	
Nonoperation grants received	\$ 3,506,349	\$ 428,149	\$ 8,133,708	\$ 12,068,206	
Net cash provided by non capital financing activities	\$ -	\$ (2,539,643)	\$ 7,880,262	\$ 5,340,619	\$ -
<b><u>INVESTING ACTIVITIES</u></b>					
Interest received on investments	\$ -	\$ 37,972	\$ 777,531	\$ 815,503	
Interest received on loans		\$ 75,233	\$ 3,095,910	\$ 3,171,143	
Loan repayments		\$ 96,241	\$ 14,214,564	\$ 14,310,805	
Loan disbursements		\$ -	\$ (5,514,013)	\$ (5,514,013)	
Federal Assistance funding of loans		\$ -	\$ (2,619,748)	\$ (2,619,748)	
Purchase of investments		\$ -	\$ (22,354,962)	\$ (22,354,962)	
Proceeds from sale of Investments	\$ -	\$ 3,000,000	\$ 28,000,000	\$ 31,000,000	
Net cash received (used) in investing activities	\$ -	\$ 3,209,446	\$ 15,599,282	\$ 18,808,728	
Net Increase in Cash and Cash Equivalents	\$ -	\$ 2,123,360	\$ 23,483,164	\$ 25,606,524	
<b><u>CASH AND CASH EQUIVALENTS:</u></b>					
Beginning of year	\$ -	\$ 2,572,819	\$ 13,414,736	\$ 15,987,555	
End of Year	\$ -	\$ 4,696,179	\$ 36,897,900	\$ 41,594,079	
<b><u>RECONCILIATION OF OPERATING INCOME TO NET CASH (Used) IN OPERATING ACTIVITIES:</u></b>					
Operating Income (Loss)	\$ -	\$ 1,557,357	\$ 219,598	\$ 1,776,955	
Items not providing operating activities cash flows:					
Interest on loans	\$ -	\$ (75,093)	\$ (3,088,317)	\$ (3,163,410)	
Interest on investments	\$ -	\$ (29,233)	\$ (864,281)	\$ (893,514)	
Bond interest paid	\$ -	\$ -	\$ 983,696	\$ 983,696	
Amortization of bond premiums	\$ -	\$ -	\$ (353,598)	\$ (353,598)	
Net depreciation (appreciation) of investments		\$ 3,040	\$ 483,162	\$ 486,202	
Federal grants expended		\$ -	\$ 2,619,748	\$ 2,619,748	
Changes in					
Accounts receivable					
Borrowers	\$ -	\$ 4,261	\$ (8)	\$ 4,253	
Accounts Payable		\$ (6,774)	\$ 3,619	\$ (3,155)	
Net cash used in operating activities	\$ -	\$ 1,453,558	\$ 3,619	\$ 1,457,177	

## 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
2014	\$ 194,993,949	\$ 198,107,923	98.43%
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%
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
2014	\$ 247,722,347	\$ 289,523,118	85.56%
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%
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
2014	\$ 194,993,949	\$ 247,722,347	78.71%
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%
***Note: All data from NIMS which includes ARRA totals			

## Appendix B-5 – Capacity Analysis Bond Issuance

\* Preliminary for Discussion Only \*

**Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)**

**Summary of Projected Program Capacity**

Loan Funding Sources					Loan Funding Uses									
Fiscal Year	(1) Bonds Sold	Assumed Bond Rate	Federal Cap Grants	State Match	Revenue Fund Releases	Bond Funded New Loans	(2) Direct Funded Loans	Total New Loans	Cumulative Loans Funded	Inflation Adjusted Total	(3) Cumulative Inflation	(1) Effective Loan Rate	Effective Subsidy	
										New Loans at 2.43%	Adjusted Total New Loans at			
2018	70,000,000	4.00%	8,953,100	2,522,000	9,474,669	68,950,000	35,000,000	103,950,000	103,950,000	103,950,000	103,950,000	1.81%	54.75%	
2019	24,000,000	4.25%	8,953,100	2,522,000	7,797,568	23,640,000	35,000,000	58,640,000	162,590,000	57,247,735	161,197,735	1.99%	53.18%	
2020	24,000,000	4.50%	-	-	10,487,138	23,640,000	35,000,000	58,640,000	221,230,000	55,888,526	217,086,261	2.16%	52.00%	
2021	24,000,000	4.75%	-	-	12,582,660	23,640,000	33,014,193	56,654,193	277,884,193	52,713,894	269,800,155	2.34%	50.74%	
2022	24,000,000	5.00%	-	-	14,660,729	23,640,000	14,660,729	38,300,729	316,184,922	34,790,802	304,590,957	2.51%	49.80%	
2023	24,000,000	5.25%	-	-	16,126,502	23,640,000	16,126,502	39,766,502	355,951,424	35,264,614	339,855,570	2.69%	48.76%	
2024	24,000,000	5.50%	-	-	16,907,069	23,640,000	16,907,069	40,547,069	396,498,493	35,103,106	374,958,677	2.86%	48.00%	
2025	24,000,000	5.50%	-	-	17,645,252	23,640,000	17,645,252	41,285,252	437,783,745	34,893,567	409,852,244	2.86%	48.00%	
2026	24,000,000	5.50%	-	-	18,038,892	23,640,000	18,038,892	41,678,892	479,462,637	34,389,902	444,242,146	2.86%	48.00%	
2027	24,000,000	5.50%	-	-	19,433,098	23,640,000	19,433,098	43,073,098	522,535,735	34,696,466	478,938,612	2.86%	48.00%	
2028	24,000,000	5.50%	-	-	20,079,363	23,640,000	20,079,363	43,719,363	566,255,098	34,380,905	513,319,517	2.86%	48.00%	
2029	24,000,000	5.50%	-	-	20,176,652	23,640,000	20,176,652	43,816,652	610,071,750	33,639,305	546,958,822	2.86%	48.00%	
2030	24,000,000	5.50%	-	-	20,560,378	23,640,000	20,560,378	44,200,378	654,272,129	33,128,224	580,087,046	2.86%	48.00%	
2031	24,000,000	5.50%	-	-	20,863,585	23,640,000	20,863,585	44,503,585	698,775,714	32,563,533	612,650,579	2.86%	48.00%	
2032	24,000,000	5.50%	-	-	21,220,723	23,640,000	21,220,723	44,860,723	743,636,437	32,045,506	644,696,085	2.86%	48.00%	
2033	22,000,000	5.75%	-	-	21,283,331	21,670,000	21,283,331	42,953,331	786,589,768	29,954,499	674,650,584	3.04%	47.13%	
2034	22,000,000	5.75%	-	-	21,444,262	21,670,000	21,444,262	43,114,262	829,704,030	29,352,866	704,003,450	3.04%	47.13%	
2035	22,000,000	5.75%	-	-	20,531,032	21,670,000	20,531,032	42,201,032	871,905,062	28,048,974	732,052,425	3.04%	47.13%	
2036	22,000,000	5.75%	-	-	19,844,719	21,670,000	19,844,719	41,514,719	913,419,780	26,937,690	758,990,115	3.04%	47.13%	
2037	22,000,000	5.75%	-	-	19,924,753	21,670,000	19,924,753	41,594,753	955,014,533	26,348,819	785,338,934	3.04%	47.13%	
TOTAL	516,000,000		17,906,200	5,044,000	349,082,376	508,260,000	446,754,533	955,014,533		785,338,934				

(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>6/1/2058</i>
To-Date Capitalization to Preserve:	197,212,157
Assumed Future Capitalization:	22,950,200
Total Preservation Requirement:	220,162,357
Equity Fund Balance on 6/1/2058:	220,424,957
Perpetuity Excess/(Shortfall):	262,600

Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

*Projected Drinking Water Debt Service Coverage*

FYE	Net Revenue	Total Debt Service	Excess Available	Transfer (to)/from Equity Fund	Coverage
2018	12,140,407	2,665,738	9,474,669	(9,474,669)	4.55x
2019	13,615,055	5,817,488	7,797,568	(7,797,568)	2.34x
2020	19,425,098	8,937,960	10,487,138	(10,487,138)	2.17x
2021	23,202,646	10,619,986	12,582,660	(12,582,660)	2.18x
2022	27,001,493	12,340,764	14,660,729	(14,660,729)	2.19x
2023	30,317,477	14,190,975	16,126,502	(16,126,502)	2.14x
2024	32,988,866	16,081,797	16,907,069	(16,907,069)	2.05x
2025	35,633,903	17,988,652	17,645,252	(17,645,252)	1.98x
2026	37,932,097	19,893,206	18,038,892	(18,038,892)	1.91x
2027	40,383,995	20,950,897	19,433,098	(19,433,098)	1.93x
2028	42,779,439	22,700,076	20,079,363	(20,079,363)	1.88x
2029	44,108,782	23,932,130	20,176,652	(20,176,652)	1.84x
2030	46,500,812	25,940,434	20,560,378	(20,560,378)	1.79x
2031	48,812,323	27,948,738	20,863,585	(20,863,585)	1.75x
2032	51,177,765	29,957,042	21,220,723	(21,220,723)	1.71x
2033	53,248,676	31,965,345	21,283,331	(21,283,331)	1.67x
2034	55,362,911	33,918,649	21,444,262	(21,444,262)	1.63x
2035	56,328,999	35,797,966	20,531,032	(20,531,032)	1.57x
2036	57,522,002	37,677,283	19,844,719	(19,844,719)	1.53x
2037	59,481,354	39,556,600	19,924,753	(19,924,753)	1.50x
2038	61,274,725	41,435,917	19,838,807	(19,838,807)	1.48x
2039	62,719,489	42,050,234	20,669,255	(20,669,255)	1.49x
2040	56,483,920	36,899,512	19,584,408	(19,584,408)	1.53x
2041	52,716,726	35,094,236	17,622,490	(17,622,490)	1.50x
2042	49,045,848	33,249,208	15,796,640	(15,796,640)	1.48x
2043	45,263,251	31,363,997	13,899,254	(13,899,254)	1.44x
2044	42,806,015	29,438,175	13,367,840	(13,367,840)	1.45x
2045	40,211,128	27,471,320	12,739,808	(12,739,808)	1.46x
2046	37,522,971	25,463,016	12,059,955	(12,059,955)	1.47x
2047	34,785,897	23,454,712	11,331,185	(11,331,185)	1.48x
2048	32,022,773	21,446,408	10,576,365	(10,576,365)	1.49x
2049	29,167,221	19,438,104	9,729,117	(9,729,117)	1.50x
2050	26,029,546	17,429,801	8,599,745	(8,599,745)	1.49x
2051	23,122,368	15,421,497	7,700,871	(7,700,871)	1.50x
2052	20,189,730	13,413,193	6,776,537	(6,776,537)	1.51x
2053	17,236,975	11,404,889	5,832,086	(5,832,086)	1.51x
2054	14,260,524	9,396,585	4,863,939	(4,863,939)	1.52x
2055	11,362,698	7,517,268	3,845,430	(3,845,430)	1.51x
2056	8,454,014	5,637,951	2,816,063	(2,816,063)	1.50x
2057	5,606,941	3,758,634	1,848,308	(1,848,308)	1.49x
2058	2,806,170	1,879,317	926,854	(926,854)	1.49x
	1,461,053,031	891,545,698	569,507,333	(569,507,333)	

Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

*Drinking Water - Revenue Fund*

FYE	Existing Loan Repayments	Future Pledged Loans		Revenue Fund Earnings @ 0.00%	Total Net Revenues for Debt Service
		Leveraged Repayments	Direct Repayments		
2018	12,140,407	-	-	-	12,140,407
2019	11,733,560	1,247,995	633,500	-	13,615,055
2020	12,016,887	4,610,271	2,797,939	-	19,425,098
2021	12,111,977	6,094,810	4,995,859	-	23,202,646
2022	12,209,899	7,605,525	7,186,069	-	27,001,493
2023	12,310,738	9,139,327	8,867,412	-	30,317,477
2024	12,414,554	10,699,750	9,874,562	-	32,988,866
2025	12,372,750	12,283,726	10,977,428	-	35,633,903
2026	11,959,586	13,852,209	12,120,302	-	37,932,097
2027	11,661,003	15,420,692	13,302,299	-	40,383,995
2028	11,251,232	16,989,176	14,539,031	-	42,779,439
2029	9,704,248	18,557,659	15,846,875	-	44,108,782
2030	9,192,772	20,126,143	17,181,897	-	46,500,812
2031	8,586,131	21,694,626	18,531,566	-	48,812,323
2032	8,010,263	23,263,109	19,904,393	-	51,177,765
2033	7,118,205	24,831,593	21,298,878	-	53,248,676
2034	6,233,225	26,382,740	22,746,947	-	55,362,911
2035	4,296,594	27,844,696	24,187,709	-	56,328,999
2036	2,608,676	29,306,653	25,606,674	-	57,522,002
2037	1,741,818	30,768,609	26,970,926	-	59,481,354
2038	731,985	32,230,565	28,312,174	-	61,274,725
2039	635,060	33,033,754	29,050,675	-	62,719,489
2040	640,766	28,893,918	26,949,236	-	56,483,920
2041	456,342	27,449,568	24,810,816	-	52,716,726
2042	427,305	25,981,405	22,637,139	-	49,045,848
2043	224,212	24,487,791	20,551,248	-	45,263,251
2044	226,179	22,969,920	19,609,916	-	42,806,015
2045	228,206	21,426,132	18,556,790	-	40,211,128
2046	230,294	19,857,649	17,435,028	-	37,522,971
2047	232,444	18,289,165	16,264,288	-	34,785,897
2048	234,660	16,720,682	15,067,431	-	32,022,773
2049	236,952	15,152,199	13,778,070	-	29,167,221
2050	-	13,583,715	12,445,831	-	26,029,546
2051	-	12,015,232	11,107,136	-	23,122,368
2052	-	10,446,749	9,742,981	-	20,189,730
2053	-	8,878,265	8,358,710	-	17,236,975
2054	-	7,309,782	6,950,742	-	14,260,524
2055	-	5,847,825	5,514,872	-	11,362,698
2056	-	4,385,869	4,068,145	-	8,454,014
2057	-	2,923,913	2,683,029	-	5,606,941
2058	-	1,461,956	1,344,214	-	2,806,170
	194,178,931	674,065,363	592,808,737	-	1,461,053,031



Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

*Drinking Water - Equity Fund*

FYE	Beginning Balance	Transfers (to)/from Revenue Fund	Interest Earnings @ 0.00%	Future Direct Loan Funding (Pledged)	Net Available Cap Grants & State Match	Ending Balance
2018	74,721,957	9,474,669	-	(35,000,000)	11,475,100	60,671,727
2019	60,671,727	7,797,568	-	(35,000,000)	11,475,100	44,944,395
2020	44,944,395	10,487,138	-	(35,000,000)	-	20,431,533
2021	20,431,533	12,582,660	-	(33,014,193)	-	-
2022	-	14,660,729	-	(14,660,729)	-	-
2023	-	16,126,502	-	(16,126,502)	-	-
2024	-	16,907,069	-	(16,907,069)	-	-
2025	-	17,645,252	-	(17,645,252)	-	-
2026	-	18,038,892	-	(18,038,892)	-	-
2027	-	19,433,098	-	(19,433,098)	-	-
2028	-	20,079,363	-	(20,079,363)	-	-
2029	-	20,176,652	-	(20,176,652)	-	-
2030	-	20,560,378	-	(20,560,378)	-	-
2031	-	20,863,585	-	(20,863,585)	-	-
2032	-	21,220,723	-	(21,220,723)	-	-
2033	-	21,283,331	-	(21,283,331)	-	-
2034	-	21,444,262	-	(21,444,262)	-	-
2035	-	20,531,032	-	(20,531,032)	-	-
2036	-	19,844,719	-	(19,844,719)	-	-
2037	-	19,924,753	-	(19,924,753)	-	-
2038	-	19,838,807	-	-	-	19,838,807
2039	19,838,807	20,669,255	-	-	-	40,508,062
2040	40,508,062	19,584,408	-	-	-	60,092,470
2041	60,092,470	17,622,490	-	-	-	77,714,960
2042	77,714,960	15,796,640	-	-	-	93,511,600
2043	93,511,600	13,899,254	-	-	-	107,410,854
2044	107,410,854	13,367,840	-	-	-	120,778,694
2045	120,778,694	12,739,808	-	-	-	133,518,502
2046	133,518,502	12,059,955	-	-	-	145,578,457
2047	145,578,457	11,331,185	-	-	-	156,909,642
2048	156,909,642	10,576,365	-	-	-	167,486,007
2049	167,486,007	9,729,117	-	-	-	177,215,124
2050	177,215,124	8,599,745	-	-	-	185,814,869
2051	185,814,869	7,700,871	-	-	-	193,515,740
2052	193,515,740	6,776,537	-	-	-	200,292,277
2053	200,292,277	5,832,086	-	-	-	206,124,363
2054	206,124,363	4,863,939	-	-	-	210,988,302
2055	210,988,302	3,845,430	-	-	-	214,833,732
2056	214,833,732	2,816,063	-	-	-	217,649,796
2057	217,649,796	1,848,308	-	-	-	219,498,103
2058	219,498,103	926,854	-	-	-	220,424,957
	569,507,333	-	-	(446,754,533)	22,950,200	

Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

*Drinking Water - Existing Loan Breakdown (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
2018	9,006,099	3,134,308	-	-	9,006,099	3,134,308	12,140,407
2019	8,824,092	2,909,469	-	-	8,824,092	2,909,469	11,733,560
2020	9,187,182	2,829,705	-	-	9,187,182	2,829,705	12,016,887
2021	9,462,935	2,649,042	-	-	9,462,935	2,649,042	12,111,977
2022	9,747,154	2,462,745	-	-	9,747,154	2,462,745	12,209,899
2023	10,040,102	2,270,636	-	-	10,040,102	2,270,636	12,310,738
2024	10,342,023	2,072,531	-	-	10,342,023	2,072,531	12,414,554
2025	10,503,675	1,869,075	-	-	10,503,675	1,869,075	12,372,750
2026	10,295,598	1,663,989	-	-	10,295,598	1,663,989	11,959,586
2027	10,197,408	1,463,596	-	-	10,197,408	1,463,596	11,661,003
2028	9,983,489	1,267,743	-	-	9,983,489	1,267,743	11,251,232
2029	8,622,432	1,081,816	-	-	8,622,432	1,081,816	9,704,248
2030	8,273,497	919,276	-	-	8,273,497	919,276	9,192,772
2031	7,821,918	764,213	-	-	7,821,918	764,213	8,586,131
2032	7,394,853	615,411	-	-	7,394,853	615,411	8,010,263
2033	6,640,877	477,328	-	-	6,640,877	477,328	7,118,205
2034	5,884,350	348,875	-	-	5,884,350	348,875	6,233,225
2035	4,065,271	231,323	-	-	4,065,271	231,323	4,296,594
2036	2,451,130	157,546	-	-	2,451,130	157,546	2,608,676
2037	1,630,541	111,278	-	-	1,630,541	111,278	1,741,818
2038	648,609	83,376	-	-	648,609	83,376	731,985
2039	564,902	70,158	-	-	564,902	70,158	635,060
2040	583,062	57,703	-	-	583,062	57,703	640,766
2041	410,547	45,794	-	-	410,547	45,794	456,342
2042	390,932	36,373	-	-	390,932	36,373	427,305
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	213,485	16,809	-	-	213,485	16,809	230,294
2047	219,936	12,508	-	-	219,936	12,508	232,444
2048	226,584	8,076	-	-	226,584	8,076	234,660
2049	233,442	3,510	-	-	233,442	3,510	236,952
	164,469,725	29,709,206	-	-	164,469,725	29,709,206	194,178,931



Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

*Projected Drinking Water Debt Service*

FYE	Existing Series 2011C Drinking Water Debt Service	Future Drinking Water Debt Service	Total Drinking Water Debt Service
2018	2,665,738	-	2,665,738
2019	3,017,488	2,800,000	5,817,488
2020	2,767,238	6,170,723	8,937,960
2021	2,583,988	8,035,999	10,619,986
2022	2,399,738	9,941,026	12,340,764
2023	2,304,738	11,886,237	14,190,975
2024	2,209,738	13,872,059	16,081,797
2025	2,089,738	15,898,914	17,988,652
2026	1,985,988	17,907,218	19,893,206
2027	1,035,375	19,915,522	20,950,897
2028	776,250	21,923,826	22,700,076
2029	-	23,932,130	23,932,130
2030	-	25,940,434	25,940,434
2031	-	27,948,738	27,948,738
2032	-	29,957,042	29,957,042
2033	-	31,965,345	31,965,345
2034	-	33,918,649	33,918,649
2035	-	35,797,966	35,797,966
2036	-	37,677,283	37,677,283
2037	-	39,556,600	39,556,600
2038	-	41,435,917	41,435,917
2039	-	42,050,234	42,050,234
2040	-	36,899,512	36,899,512
2041	-	35,094,236	35,094,236
2042	-	33,249,208	33,249,208
2043	-	31,363,997	31,363,997
2044	-	29,438,175	29,438,175
2045	-	27,471,320	27,471,320
2046	-	25,463,016	25,463,016
2047	-	23,454,712	23,454,712
2048	-	21,446,408	21,446,408
2049	-	19,438,104	19,438,104
2050	-	17,429,801	17,429,801
2051	-	15,421,497	15,421,497
2052	-	13,413,193	13,413,193
2053	-	11,404,889	11,404,889
2054	-	9,396,585	9,396,585
2055	-	7,517,268	7,517,268
2056	-	5,637,951	5,637,951
2057	-	3,758,634	3,758,634
2058	-	1,879,317	1,879,317
	23,836,013	867,709,686	891,545,698



Arkansas Development Finance Authority  
Drinking Water SRF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

Future Pledged Direct Loan Repayment

Issue Date	June-18	June-19	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	Total
Amount	35,000,000	35,000,000	35,000,000	33,014,193	14,660,729	16,126,502	16,907,069	17,645,252	18,038,892	19,433,098	20,079,363	20,176,652	20,560,378	20,863,585	21,220,723	21,283,331	21,444,262	20,531,032	19,844,719	19,924,733	446,754,533
Interest Rate	1.81%	1.99%	2.16%	2.34%	2.51%	2.69%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	3.04%	3.04%	3.04%	3.04%	3.04%	
Interest Start date	12/01/18	12/01/19	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	
Principal Periods	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
Principal Start Date	06/01/20	06/01/21	06/01/22	06/01/23	06/01/24	06/01/25	06/01/26	06/01/27	06/01/28	06/01/29	06/01/30	06/01/31	06/01/32	06/01/33	06/01/34	06/01/35	06/01/36	06/01/37	06/01/38	06/01/39	
Final Maturity Date	06/01/39	06/01/40	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	
06/01/18	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
06/01/19	633,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	633,500
06/01/20	2,101,439	696,500	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2,797,939
06/01/21	2,101,439	2,138,420	756,000	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,995,859
06/01/22	2,101,439	2,138,420	2,173,677	772,532	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,186,069
06/01/23	2,101,439	2,138,420	2,173,677	2,085,891	367,984	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8,867,412
06/01/24	2,101,439	2,138,420	2,173,677	2,085,891	941,332	433,803	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,874,562
06/01/25	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	483,542	-	-	-	-	-	-	-	-	-	-	-	-	-	10,977,428
06/01/26	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	504,654	-	-	-	-	-	-	-	-	-	-	-	-	12,120,302
06/01/27	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	515,912	-	-	-	-	-	-	-	-	-	-	-	13,302,299
06/01/28	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	555,787	-	-	-	-	-	-	-	-	-	-	14,539,031
06/01/29	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	574,270	-	-	-	-	-	-	-	-	-	15,846,875
06/01/30	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	577,052	-	-	-	-	-	-	-	-	17,181,897
06/01/31	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	588,027	-	-	-	-	-	-	-	18,531,566
06/01/32	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	596,699	-	-	-	-	-	-	19,904,793
06/01/33	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	606,913	-	-	-	-	-	21,298,878
06/01/34	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	647,013	-	-	-	-	22,746,947
06/01/35	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	651,906	-	-	-	24,187,709
06/01/36	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	624,143	-	-	25,606,674
06/01/37	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	603,279	-	26,970,926
06/01/38	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	605,712	28,312,174
06/01/39	2,101,439	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	29,050,675
06/01/40	-	2,138,420	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	26,949,236
06/01/41	-	-	2,173,677	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	24,810,816
06/01/42	-	-	-	2,085,891	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	22,637,139
06/01/43	-	-	-	-	941,332	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	20,551,248
06/01/44	-	-	-	-	-	1,053,126	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	19,609,916
06/01/45	-	-	-	-	-	-	1,121,762	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	18,556,790
06/01/46	-	-	-	-	-	-	-	1,170,740	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	17,435,028
06/01/47	-	-	-	-	-	-	-	-	1,196,857	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	16,264,288
06/01/48	-	-	-	-	-	-	-	-	-	1,289,361	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	15,067,431
06/01/49	-	-	-	-	-	-	-	-	-	-	1,332,240	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	13,778,070
06/01/50	-	-	-	-	-	-	-	-	-	-	-	1,338,695	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	12,445,831
06/01/51	-	-	-	-	-	-	-	-	-	-	-	-	1,364,154	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	11,107,136
06/01/52	-	-	-	-	-	-	-	-	-	-	-	-	-	1,384,272	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	9,742,981
06/01/53	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,407,967	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	8,358,710
06/01/54	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,435,870	1,446,727	1,385,116	1,338,815	1,344,214	6,950,742
06/01/55	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,446,727	1,385,116	1,338,815	1,344,214	5,514,872
06/01/56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,385,116	1,338,815	1,344,214	4,068,145
06/01/57	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,338,815	1,344,214	2,683,029
06/01/58	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,344,214	1,344,214
42,662,287	43,464,901	44,229,546	42,490,342	19,194,630	21,496,322	22,918,784	23,919,446	24,453,054	26,343,004	27,219,064	27,350,947	27,871,116	28,282,135	28,766,262	29,364,412	29,586,446	28,326,472	27,379,572	27,489,965	592,808,737	

Arkansas Development Finance Authority  
Drinking Water SKF  
Preliminary 2017 Capacity Analysis (Max Bond Issuance: FY2018)

Future DW Leveraged Loan Repayment (i.e. Bond Funded)

Issue Date:	June-18	June-19	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	Total
Per Amount:	68,950,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	23,640,000	21,670,000	21,670,000	21,670,000	21,670,000	508,250,000
Interest Rate:	1.81%	1.99%	2.16%	2.34%	2.51%	2.69%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	2.86%	3.04%	3.04%	3.04%	3.04%	
Interest Start:	12/01/18	12/01/19	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	
Term:	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	20	
Principal Start:	06/01/20	06/01/21	06/01/22	06/01/23	06/01/24	06/01/25	06/01/26	06/01/27	06/01/28	06/01/29	06/01/30	06/01/31	06/01/32	06/01/33	06/01/34	06/01/35	06/01/36	06/01/37	06/01/38	06/01/39	
Final Maturity:	06/01/39	06/01/40	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	

FYE	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	PRI	Total
2018	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2019	1,247,995	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,247,995
2020	4,139,835	470,436	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4,610,271
2021	4,139,835	1,444,350	510,624	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	6,094,810
2022	4,139,835	1,444,350	1,468,164	553,176	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7,605,525
2023	4,139,835	1,444,350	1,468,164	1,493,614	593,364	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	9,139,327
2024	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	635,916	-	-	-	-	-	-	-	-	-	-	-	-	-	-	10,699,750
2025	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	676,104	-	-	-	-	-	-	-	-	-	-	-	-	-	12,283,726
2026	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	676,104	-	-	-	-	-	-	-	-	-	-	-	-	13,852,209
2027	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	676,104	-	-	-	-	-	-	-	-	-	-	-	15,420,692
2028	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	676,104	-	-	-	-	-	-	-	-	-	-	16,989,176
2029	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	676,104	-	-	-	-	-	-	-	-	-	18,557,659
2030	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	676,104	-	-	-	-	-	-	-	-	20,126,143
2031	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	676,104	-	-	-	-	-	-	-	21,694,626
2032	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	676,104	-	-	-	-	-	-	23,263,109
2033	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	676,104	-	-	-	-	-	24,831,593
2034	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	658,768	-	-	-	-	26,400,240
2035	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	658,768	-	-	-	27,968,696
2036	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	658,768	-	-	29,537,152
2037	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	658,768	-	31,105,608
2038	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	658,768	32,674,064
2039	4,139,835	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	34,242,520
2040	-	1,444,350	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	35,810,976
2041	-	-	1,468,164	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	37,379,432
2042	-	-	-	1,493,614	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	38,947,888
2043	-	-	-	-	1,517,871	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	40,516,344
2044	-	-	-	-	-	1,543,788	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	42,084,800
2045	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	43,653,256
2046	-	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	45,221,712
2047	-	-	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	46,790,168
2048	-	-	-	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	48,358,624
2049	-	-	-	-	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	49,927,080
2050	-	-	-	-	-	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	51,495,536
2051	-	-	-	-	-	-	-	-	-	-	-	-	1,568,483	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	53,063,992
2052	-	-	-	-	-	-	-	-	-	-	-	-	-	1,568,483	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	54,632,448
2053	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,568,483	1,461,956	1,461,956	1,461,956	1,461,956	1,461,956	56,200,904
2054	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,461,956	1,461,956	1,461,956	1,461,956	57,769,360
2055	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,461,956	1,461,956	1,461,956	59,337,816
2056	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,461,956	1,461,956	60,906,272
2057	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1,461,956	62,474,728
2058	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	64,043,184
	84,044,705	29,357,436	29,873,899	30,425,431	30,950,783	31,511,672	32,045,771	32,045,771	32,045,771	32,045,771	32,045,771	32,045,771	32,045,771	32,045,771	32,045,771	29,897,895	29,897,895	29,897,895	29,897,895	29,897,895	674,065,363

## VII. Appendix C



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

**ANNUAL DWSRF REPORT  
STATE FISCAL YEAR 2017  
(JULY 1, 2016 through JUNE 30, 2017)**

**AUGUST 2017**

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## **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 2017. A table is included in Attachment 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 and SRF-16 work plans and a portion of the State Program Management Set-Aside in the SRF-09, SRF-10 and SRF-12 work plans. The summary table in Attachment A shows expenditures during SFY17.

Prior to this year 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 was implemented during this past year. This Act eliminated the State match requirement for this set-aside. Since the WIIN Act became law during the middle of SFY17, match documentation is being provided. State match is a combination of amount the State expended for public water supply supervision in FY93 and any State funds not used to match other federal grants. The state used unmatched funds from its annual public water system fee program to match the set-aside funds. In FY93 the State expended \$1,279,113 of State funds in its Public Water System Supervision Program (PWSSP).

For SFY17 Engineering budgeted \$2,816,772 and expended \$2,247,224 from the Public Water System program (State funds). Of this amount, \$1,587,474 was available for match against the SPM set-aside once PWSS (Water Grant) match funds were taken out. The FY93 credit plus the available State funds total \$2,866,587. For SFY17 Engineering expensed \$1,358,160 from the SPM set-aside. This should demonstrate that sufficient unmatched state funding was available to cover the 1:1 match requirement for this set-aside.

The matching funds were supplied in the form of in-kind services for work performed using PWS Fees. In-kind services included such activities as sanitary surveys, plan reviews, technical assistance, enforcement/compliance issues, operator training and certification activities, staff training, associated travel, office support, etc. performed by staff members. The percentages for O&M and travel worked out to be about the same as for the set-aside funded positions. The match-positions and job duties are discussed in a later portion of this section.

Other expenditures from this set-aside includes such items as office equipment and supplies, major laboratory equipment purchases, staff training and travel, PCs, upgrades to the Section's LAN system, routine O&M, etc. Refer to Attachment B for a more detailed listing of items.

The Goals and Objectives, Proposed Outputs and Deliverables as outlined in the work plan and the SFY17 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 .	Administ ering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1452(g)(2)(A)
Activities (Outputs)	Collabora tors	Schedule for Completing Activities - Rate of Completion
1. Provide administrative support for the 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 report 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. Conversion of Engineering's legacy system to SDWIS/State. (Operator Certification, Bacteriological Sample tracking, Sanitary Survey Tracking)	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.		

Outputs<sup>1</sup> – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 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 attachment A
	Meeting EPA reporting requirements under the SDWA.	Document and track PWS compliance and enforcement actions	The following enforcement actions were taken and tracked: Violation Determined - 899 and PN requested – 599, PN verification received 340, WAOs – 46; AOs – 43 , CO – 38

	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: 8/15/16, 11/15/16, 2/15/17, 5/15/17 Dates submitted: 8/3/16, 11/15/16, 2/14/ 17, 5/8/17  All SDWIS products are using the latest SDWIS State release as of July 2017. Use of legacy ARKPWS97 is diminishing as use of the SDWIS tables increase.
		All State reports required under the SDWA will be submitted and within the required timeframes.	Annual and miscellaneous reports 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. 225 plans)	Log and track an estimated 1500 plans and specifications annually	1202 total plans received, logged and tracked resulting in 2848 total reviews.
		Field Surveillance Staff - Review an estimated 200 plans and specifications	Field Surveillance Staff: SPM funded positions conducted 847 review assignments on 535 plans SPM state match positions – conducted 10 review assignments on 10 plans
		Technical Support Staff – Review and an estimated 25 plans and specifications	Technical Support Staff -- SPM funded Positions No Positions funded in this category during SFY17
Environmental	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.)	149 Sanitary surveys completed by SPM funded Field Surveillance staff positions; 22 Sanitary surveys completed by SPM state match Field Surveillance staff 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.)	SPM funded Technical Support Staff 51 Sanitary surveys completed by SPM funded Technical Support Staff. SPM funded Technical Support Staff also participated in 2 CPEs & 4 Quarterly AWOP meetings.
		Other Inspections / Investigations at PWSs	SPM funded Field Surveillance Staff provided direct one-on-one technical assistance on 74 occasions SPM state match positions – conducted 17 technical assistance visits.

Environmental	Pre-planning for and implementation of new regulations associated with the SDWA.	New EPA/SDWA regulations will be implemented within the prescribed timeframes.	<p>All new rules / requirements are implementation on schedule and generally ahead of schedule.</p> <p>LT2 Bin 2 compliance is being monitored monthly for 7 PWS's. All seven of the Bin 2 Systems (4 large and 3 small) are obtaining 1.0-log of credit by documenting treatment performance in their combined and individual filters.</p> <p>Capital Improvement extensions granted under Stage 2 are now over and all systems are being monitored for compliance.</p> <p>Stage 1 &amp; 2 DBP -- 22 monitoring plans completed / approved, letters advising systems of DPB results sent to PWSs – 2,484 Stage 2 compliance status letters. A total of 75 OEL exceedance notifications were issued and 72 OEL reports were reviewed.</p>
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.	SPM funded Field Surveillance Staff provided direct one-on-one technical assistance on 173 occasions.
	Technical assistance to water operators.	Provide technical assistance to operators	<p>Combined Man-hours of Technical Assistance, Complaint Investigation; and Operator Training:</p> <p>SPM funded Field Surveillance Staff – 6185 man-hours</p> <p>SPM state match positions – 5570 man-hours</p>
		Document technical assistance and ADH sponsored training sessions (est. 24 training session per year)	17 mandatory compliance schools were offered with 355 operators in attendance.
		Oversight and coordination of an estimated two (2) fluoride schools/year	Conducted one (1) fluoride start-up inspections with associated technical assistance. No training sessions specific to fluoride were conducted.

<sup>1</sup>"The term "Output" means an environmental activity, effort and/or associated work products related to an environmental goal or objective, what will be produced or provided over a period of time or by a specified date.

Outputs may be quantitative or qualitative but must be measurable during an assistance agreement funding period.”  
EPA Order Classification No.: 5700.7

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

Outcome Type	Quantitative Description of Outcome	SFY 17
Programmatic	ADH retains primacy of SDWA and completes all required reports	Primacy maintained and all required reports were completed.
Environmental	85% of the community PWSs in the State will meet all applicable health-based drinking water standards.	87% of Community Water Systems met all health based standards during SFY 17.
Programmatic	Maintain certified operators at 90% of community PWSs.	98% of Community PWSs maintained operator certification during SFY 17.

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

## 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 capitalization grants for future use. Engineering reclaimed a total of \$308,820 from SSTA banked funds for use during SFY17 (i.e. \$251,091, \$29,452 and \$28,277 from the DWSRF 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.

This 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 SFY12. These contracts became effective on July 1, 2011. 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 also awarded to Arkansas Rural Water Association. 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 hours 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 SFY17 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

<b>OBJECTIVE 1: To insure adequate capacity development at each water system for the future.</b>	Administ ering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1452(g)(2)
Activities (Outputs)	Collabora tors	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, Contracto rs	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.		

Outputs<sup>1</sup> – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 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 a database each month detailing man-hours claimed to the Section along with requests for payment based upon the contract unit prices. During SFY17 the contractor contributed the following:</p> <p>Financial &amp; Managerial (F&amp;M) Total Hours – 475.5; Technical &amp; Operational (T&amp;O) Total Hours – 937. Details below.</p> <ul style="list-style-type: none"> <li>On-site Technical Assistance (man-hours) F&amp;M – 270 T&amp;O – 960.5</li> <li>Technical Assistance Office Hours F&amp;M – 145.75 T&amp;O - 36</li> <li>Travel Hours F&amp;M – 142.25 T&amp;O – 406.25</li> <li>AWOP Participation F&amp;M - 2 T&amp;O - 1</li> </ul>

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

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

Outcome Type	Quantitative Description of Outcome	SFY 17
Environmental	Improve TMF capacity.	ADH has 3 contracts in place with TA providers to assist small water systems with improving TMF capacity through technical assistance and GIS mapping of infrastructure.

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

#### **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 and SRF 16. 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 requested 10% for Capacity Development in each of these work plans. The table in Attachment A shows the expenditures for SFY17.

##### **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.	Administ ering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1428 & 1452(k)(1)(D)
Activities (Outputs)	Collabora tors	Schedule for Completing Activities - Rate of Completion
1. Collection and updating of GIS field data for PWSs.	ADH, PWS, UofA, USGS	On-going
2. Conversion of GIS data from NAD27 to NAD83.	ADH	On-going
3. Obtain or develop electronic data for improving the GIS system and Source Water Assessment Model.	ADH, UofA, USGS	On-going
4. Maintain and update the Source Water Assessment Model for providing up to date meaningful protection area reports	ADH, USGS	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.	Administ ering Agency: ADH	Task Performing Agency: ADH
		SDWA Citation: 1428 & 1452(k)(1)(D)
Activities (Outputs)	Collabora tors	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, U of A	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
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.		

Outputs<sup>1</sup> – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 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 542 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"> <li>Assistance, as requested, to PWSs in well siting, aquifer identification, and recommended construction features. Estimate: well siting ~ 5 events/year</li> <li>construction recommendations (casing and grout depth, drill cuttings analysis, other) ~ 5 events/year</li> <li>wellhead deficiency surveys ~ 10 events/year</li> </ul>	WHPP staff provided recommendations on construction of twenty three (23) wells. Recommendations include: aquifer determination, construction depth, casing and grouting depths, etc. Staff reviewed drill cutting on three (3) wells in order to confirm / refine recommendations. 491 wellhead deficiency surveys for 179 PWS (116 field or other GIS maps) were conducted specifically for use in the enhanced 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 (# includes revised delineations where new or better data has become available.	Fourteen (14) WHPAs were delineated for four (4) PWS and four (4) Phase 1 Reports (for 14 wells) were completed and mailed.
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.	Four (4) Phase II (PSOC Survey) Reports for eleven (11) wells and one surface intake were completed and mailed.

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 Outputs
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 77 PSOC maps for ARWA to use during field PSOC inventory collection for 3 PWS/ verification. Produced 68 PSOC inventory maps for ARWAs AWAP / Distributed eleven (11) historical SWAP reports & 3 new reports for review by public water systems.
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 store house 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.
		1) Collect GPS and construction data on newly constructed wells (est. 5/year).	Four (4) new wells were added to the inventory in SFY17. GPS locations obtained for each. Gathered construction information during plan review process, sanitary surveys, and prep work for WHPA delineations. A total of 424 updates, corrections, or additions.
Programmatic	To review proposed point and non-point discharge permit applications to insure, as much as possible, that drinking water sources are protected and affected water systems are kept informed	To review and comment on approximately 1,000 proposed projects annually with point and non-point source discharges.	A total of 637 permits were reviewed and comments made to the permitting agency. A breakdown of permit reviews by permit type follows: NPDES – 204, Land Application, with 127 new sites plotted as PSOCs – 34, Salt Water Disposal (no discharge)– 80, No discharge – 11, Underground Injection Control– 10, Oklahoma NPDES permits – 5, Tech. Review Committee – 65 , Oil & Gas

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 Outputs
			permits – 85, Miscellaneous – 11.
Programmatic	To provide a coordinated and organized approach to source water protection efforts in the State	The development of standard procedures for conducting hydrologic sensitivity assessments at ground water sources.	In cooperation with the University of Ark and USGS, projects have been developed and agreed upon to enhance the SWAP model sensitivity assessments. These projects are design to update 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, investigate computer modeling, etc.

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

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

Outcome Type	Quantitative Description of Outcome	SFY 17
Environmental	50% of community PWSs will have substantially implemented Source Water Protection programs.	428 community PWSs (61.6%) with a population of 1,831,541 (69.4%) 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.	71 wells added to inventory and 1 GWUDI determinations currently in process of determination; determinations were finalized within 30 days of evaluation being completed.
Environmental	50 Source Water Protection Plans prepared or updated.	31 Source Water Protection Plans developed.

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

## 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, although considerable time was expended on hydrologic analyses and technical assistance for location of well sites and sanitary construction of proposed new wells. 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 Arkansas Rural Water Association on groundwater protection issues.

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 six (6) 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 PWSs with infrastructure location and mapping services.	Contractors	On-going
8. 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 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 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.		

Outputs<sup>1</sup> – to be documented in Annual Reports:

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 Outputs
Environmental	Provide on-site technical assistance and training to PWS operators.	Provide an estimated 1500 man-hours assistance.	<ul style="list-style-type: none"> <li>• Technical assistance and/or training concerning DBP issues was provided to 37 systems.</li> <li>• ADH staff presented sessions at 2 3-day conferences and District Meeting, as requested.</li> <li>• ADH staff conducted eleven (17) - one day compliance training sessions.</li> <li>• 9 training sessions were held on cross-connection control policies and procedures.</li> <li>• 3 BPAA meetings were attended.</li> <li>• Cross-connection control surveys were conducted at 48 water systems.</li> </ul>
Environmental	Conduct CCR training.	Conduct five (5) CCR training sessions for an anticipated 70 PWSs	Three (3) 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 702 PWSs; Assistance to PWSs drafting their own Newsletter on as needed basis.	678 water systems distributed CCRs to customers.
Programmatic	Review, evaluated, and comment, as appropriate, on all CCRs submitted to	Anticipate 730 systems will be received and reviewed.	703 water systems distributed CCRs to customers.

Output Type	Quantitative/Qualitative Description of Proposed Output outlined in Work Plan.	Deliverables outlined in Work Plan.	SFY 17 Outputs
	Engineering		
Environmental	Maintain the current overall compliance with the CCR		Compliance rate was 98%.
Programmatic	Coordinate AWOP efforts	Provide one FTE to coordinate / conduct 4 CPEs and one PBT training event.	<p>One staff (position was vacant part of the year) contributed 100% of his time toward coordinating and conducting AWOP activities.</p> <ul style="list-style-type: none"> <li>• 2 CPEs were conducted.</li> <li>• Data Audits was conducted at 7 surface water treatment plants.</li> <li>• Calibration check made at 22 surface water treatment plants on 278 turbidimeters, 56 pH meters and 84 chlorine analyzers.</li> <li>• AWOP staff participated in 3 AWOP meetings, 3 AWW&amp;WEA meeting, an ARWA meeting, and an ASDWA meeting.</li> </ul>
Programmatic	Provide operator compliance training courses	Provided 12 operator certification courses operators or operators-in-training.	17 mandatory Compliance courses were taught at various locations throughout the state. 355 Operators were in attendance.
Programmatic	Publish Quarterly Newsletter	Publish four (4) newsletters and distribute approximately 3600 per quarter	Four (4) 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.
Environmental	Coordinate / track mapping contract	Provide infrastructure location and mapping services for 40 water systems.	Assessment reports completed –36; man hours GPS work - 964.5 man-hours; mapping – 864.5 man-hours; training – 135.5 man-hours.
Programmatic		Review and approve any contract invoices and/or deliverables within 30 days.	36 systems were mapped. Invoices were reviewed and payment was authorized within 7 days of receipt of final invoice.

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

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

Outcome Type	Quantitative Description of Outcome	SFY17
Environmental	To educate/reassure local PWS customers on the quality/safety of their drinking water.	678 water systems distributed CCRs to customers. This was a compliance rate of 98%.
Environmental	Improved distribution water quality provided to the public through cross-connection control program.	9 training sessions were held on cross connection control policies and procedures.
Environmental	Improve water quality through treatment plant optimization efforts.	Our technical assistance providers participated in 2 CPEs in SFY17
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 629 exams, issued 88 Operator in Training certificates, issued 231 new licenses and tracked the renewal of 2387 operators holding 3492 active water operator licenses or Operator in Training Certificates.

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

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 or will fund 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 (20) sources at sixteen (16) water systems were monitored for cryptosporidium, turbidity and E. coli monthly for 12 months (240 sample events). Additionally sixty-five (65) systems completed monthly LT2 source water monitoring for E. coli. Twenty-two of these systems triggered cryptosporidium monitoring.

**ATTACHMENT A**

OVERALL SUMMARY OF EXPENDITURES  
AND  
SALARY SUMMARY



## Expenditure Summary

GRANT ID			Jul-16	Aug-16	Adjustment 10/11/2016	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total Expenses
FS986001-17 DWSRF14	CD	Salaries	\$ 46,126.87	\$ 34,525.30	\$ (9,121.73)	\$ 69,993.61	\$ 49,222.57	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 190,746.62
		Fringe	\$ 15,596.13	\$ 15,046.77	\$ -	\$ 21,304.08	\$ 18,226.52	\$ 2,518.34	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72,691.84
	ASRF0014	Travel - 09	\$ -	\$ 821.65	\$ -	\$ 2,540.00	\$ 768.46	\$ 1,085.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,215.29
		Equipment	\$ -	\$ 16,339.10	\$ -	\$ (330.20)	\$ -	\$ 43,970.60	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 59,979.50
	610352 610478	Supplies	\$ 14,950.37	\$ 32,106.62	\$ 9,121.73	\$ 17,112.01	\$ 7,668.80	\$ 5,189.18	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 86,148.71
		Travel - 02	\$ 1,343.14	\$ 265.14	\$ -	\$ 3,028.16	\$ 1,340.52	\$ 124.61	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 6,101.57
		Contractual	\$ 5,995.90	\$ 26,880.44	\$ -	\$ 11,758.95	\$ 3,834.60	\$ 18,064.88	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 66,534.77
		Indirect	\$ 8,943.66	\$ 7,206.31	\$ 1,318.09	\$ 13,304.09	\$ 9,827.21	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 40,599.36
		Subtotal	\$ 92,956.07	\$ 133,191.33	\$ 1,318.09	\$ 138,710.70	\$ 90,888.68	\$ 70,952.79	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 528,017.66
FS986001-17 DWSRF14	PWSS	Salaries	\$ 31,816.46	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 31,816.46
		Fringe	\$ 11,433.16	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,433.16
	ASRC0014	Travel - 09	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Equipment	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	610352	Supplies	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Travel - 02	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Contractual	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ 7,222.69	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,222.69
		Subtotal	\$ 50,472.31	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 50,472.31
FS986001-17 DWSRF14	WHIP	Salaries	\$ 33,587.67	\$ 49,970.96		\$ 9,788.78	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 93,347.41
		Fringe	\$ 12,232.18	\$ 15,799.75		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,031.93
	ASRB0014	Travel - 09	\$ 3,625.00	\$ (434.08)		\$ 1,594.96	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,785.88
		Equipment	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	610352	Supplies	\$ 1,044.36	\$ 1,662.89		\$ 35,292.43	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 37,999.68
		Travel - 02	\$ 1,501.29	\$ 1,278.10		\$ 145.32	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,924.71
		Contractual	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ 6,639.30	\$ 9,530.17		\$ 1,418.10	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 17,587.57
		Subtotal	\$ 58,629.80	\$ 77,807.79		\$ 48,239.59	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 184,677.18
	DW14 TOTAL	\$ 202,058.18	\$ 210,999.12	\$ 1,318.09	\$ 186,950.29	\$ 90,888.68	\$ 70,952.79	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 763,167.15	
FS986001-18 DWSRF15	CD	Salaries	\$ -	\$ -		\$ -	\$ -	\$ 50,582.76	\$ 97,210.57	\$ 54,683.71	\$ 52,020.92	\$ 73,426.93	\$ 46,337.42	\$ 46,737.46	\$ 59,702.00	\$ 480,701.77
		Fringe	\$ -	\$ -		\$ -	\$ -	\$ 15,114.80	\$ 21,650.06	\$ 19,383.76	\$ 17,951.72	\$ 22,745.62	\$ 17,701.53	\$ 16,781.42	\$ 20,508.62	\$ 151,837.53
	ASRF0015	Travel - 09	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,057.06	\$ -	\$ -	\$ 2,077.60	\$ 265.42	\$ 4,380.16
		Equipment	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ (3,703.19)	\$ -	\$ (3,703.19)
	610352 610478	Supplies	\$ -	\$ -		\$ -	\$ -	\$ 16.43	\$ 9,098.31	\$ 2,942.00	\$ 21,321.44	\$ 5,010.11	\$ 9,713.49	\$ 3,948.99	\$ 13,882.93	\$ 65,933.70
		Travel - 02	\$ -	\$ -		\$ -	\$ -	\$ 397.33	\$ 1,072.60	\$ 707.93	\$ 837.56	\$ 3,044.62	\$ 1,061.62	\$ 1,740.10	\$ 1,157.56	\$ 10,019.32
		Contractual	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ -	\$ -		\$ -	\$ -	\$ 11,392.06	\$ 19,849.73	\$ 12,369.27	\$ 11,685.43	\$ 16,060.82	\$ 10,694.50	\$ 10,607.65	\$ 13,395.17	\$ 106,054.63
		Subtotal	\$ -	\$ -		\$ -	\$ -	\$ 77,503.38	\$ 149,861.35	\$ 90,086.67	\$ 104,874.13	\$ 120,288.10	\$ 85,508.56	\$ 78,190.03	\$ 108,911.70	\$ 815,223.92
FS986001-18 DWSRF15	PWSS	Salaries	\$ 10,199.07	\$ 42,786.34		\$ 67,541.75	\$ 42,069.63	\$ 40,344.77	\$ 40,444.73	\$ 41,144.77	\$ 39,869.71	\$ 56,063.91	\$ 36,241.51	\$ 37,682.21	\$ 48,232.34	\$ 502,620.74
		Fringe	\$ 3,323.88	\$ 14,947.05		\$ 20,431.12	\$ 15,116.41	\$ 13,881.31	\$ 13,903.46	\$ 14,746.46	\$ 13,776.03	\$ 17,221.45	\$ 13,320.04	\$ 12,871.45	\$ 16,312.45	\$ 169,851.11
	ASRC0015	Travel - 09	\$ -	\$ -		\$ 660.00	\$ -	\$ -	\$ -	\$ 550.00	\$ 655.60	\$ 2,481.06	\$ -	\$ 1,040.00	\$ -	\$ 5,386.66
		Equipment	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 143,567.56	\$ 206,200.08	\$ 349,767.64
	610352	Supplies	\$ 1,541.86	\$ 522.94		\$ 4,883.86	\$ 2,340.87	\$ 9,291.02	\$ 20.77	\$ 503.40	\$ 21,518.06	\$ 719.80	\$ 14,004.29	\$ 12,310.78	\$ 98,018.61	\$ 165,676.26
		Travel - 02	\$ 86.46			\$ -	\$ -	\$ -	\$ -	\$ 858.51	\$ -	\$ -	\$ -	\$ 1,137.61	\$ -	\$ 2,082.58
		Contractual	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ 2,258.33	\$ 9,641.48		\$ 14,691.47	\$ 9,550.07	\$ 9,055.76	\$ 9,076.15	\$ 9,333.84	\$ 8,958.84	\$ 12,238.66	\$ 8,276.78	\$ 8,442.46	\$ 10,778.98	\$ 112,302.82
		Subtotal	\$ 17,409.60	\$ 67,897.81		\$ 108,208.20	\$ 69,076.98	\$ 72,572.86	\$ 63,445.11	\$ 67,136.98	\$ 84,778.24	\$ 88,724.88	\$ 71,842.62	\$ 217,052.07	\$ 379,542.46	\$ 1,307,687.81
FS986001-18 DWSRF15	WHIP	Salaries	\$ -	\$ -		\$ 51,289.58	\$ 28,987.42	\$ 16,025.61	\$ 21,413.86	\$ 21,413.82	\$ 22,654.21	\$ 39,075.15	\$ 26,527.93	\$ 26,977.88	\$ 31,836.68	\$ 286,202.14
		Fringe	\$ -	\$ -		\$ 18,321.69	\$ 10,329.30	\$ 6,575.80	\$ 7,767.48	\$ 8,139.61	\$ 8,042.37	\$ 11,859.99	\$ 9,365.91	\$ 9,000.10	\$ 10,554.27	\$ 99,956.52
	ASRB0015	Travel - 09	\$ -	\$ -		\$ -	\$ -	\$ 1,435.46	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 780.00	\$ -	\$ 2,215.46
		Equipment	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
	610352	Supplies	\$ -	\$ -		\$ -	\$ 10,137.70	\$ 5,216.36	\$ 17,163.35	\$ 2,001.82	\$ 18,307.65	\$ 9,916.48	\$ 8,989.66	\$ 27,681.82	\$ 10,868.06	\$ 110,282.90
		Travel - 02	\$ -	\$ -		\$ -	\$ 15.00	\$ -	\$ -	\$ -	\$ 243.82	\$ -	\$ 414.00	\$ 84.83	\$ -	\$ 757.65
		Contractual	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ -	\$ -		\$ 11,625.08	\$ 6,565.89	\$ 3,774.44	\$ 4,873.28	\$ 4,935.42	\$ 5,126.33	\$ 8,506.17	\$ 5,994.27	\$ 6,008.32	\$ 7,079.29	\$ 64,488.49
		Subtotal	\$ -	\$ -		\$ 81,236.35	\$ 56,035.31	\$ 33,027.67	\$ 51,217.97	\$ 36,490.67	\$ 54,374.38	\$ 69,357.79	\$ 51,291.77	\$ 70,532.95	\$ 60,338.30	\$ 563,903.16
	DW15 TOTAL	\$ 17,409.60	\$ 67,897.81		\$ 189,444.55	\$ 125,112.29	\$ 183,103.91	\$ 264,524.43	\$ 193,714.32	\$ 244,026.75	\$ 278,370.77	\$ 208,642.95	\$ 365,775.05	\$ 548,792.46	\$ 2,686,814.89	

GRANT ID			Jul-16	Aug-16	Adjustment 10/11/2016	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	Total Expenses
FS986001-19 DWSRF16	610352 610478	Salaries	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		CD Fringe	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		ASRF0016 Travel - 09	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Equipment	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Supplies	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Travel - 02	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Contractual	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Subtotal	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FS986001-19 DWSRF16	610352	PWSS Salaries	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		ASRC0016 Fringe	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Travel - 09	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Equipment	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Supplies	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Travel - 02	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Contractual	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
FS986001-19 DWSRF16	610352	WHIP Salaries	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		ASRB0016 Fringe	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Travel - 09	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Equipment	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Supplies	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Travel - 02	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Contractual	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Indirect	\$ -	\$ -		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
		TA Contractual	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,801.60	\$ 19,133.18	\$ 45,455.61	\$ 16,565.34	\$ 26,760.30	\$ 50,463.40	\$ 37,752.99	\$ 34,137.32	
		ASRD0016 Subtotal	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,801.60	\$ 19,133.18	\$ 45,455.61	\$ 16,565.34	\$ 26,760.30	\$ 50,463.40	\$ 37,752.99	\$ 34,137.32	\$ 243,069.74
		DW 16 TOTAL	\$ -	\$ -		\$ -	\$ -	\$ 12,801.60	\$ 19,133.18	\$ 45,455.61	\$ 16,565.34	\$ 26,760.30	\$ 50,463.40	\$ 37,752.99	\$ 34,137.32	\$ 243,069.74
		GRAND TOTAL	\$ 219,467.78	\$ 278,896.93	\$ 1,318.09	\$ 376,394.84	\$ 216,000.97	\$ 266,858.30	\$ 283,657.61	\$ 239,169.93	\$ 260,592.09	\$ 305,131.07	\$ 259,106.35	\$ 403,528.04	\$ 582,929.78	\$ 3,693,051.78

## Position Effort Funding Summary

					Effort			Funding									
								Federal				State					
Technical Staff					SRF Set-Asides			DWSRF Set-Asides			Other Federal Grants						
Position #	Name	Position Title	Total FTE	Salary (Total)	ASRC SPM (FTE)	ASRF Cap Dev (FTE)	ASRB WHP (FTE)	ASRC SPM (FTE)	ASRF Cap Dev (FTE)	ASRB WHP (FTE)	AWPH ADEQ- WHP (FTE)	AHLS Security (FTE)	AWAT PWSS (FTE)	ASGR General Revenue (FTE)	APWF PWS Service Fee (FTE)	APLE Plan Review Fee Fund (FTE)	AWHF Licensing Fees (FTE)
Technical Staff																	
22105676	Acuff, Callie	Engineer	0.07	\$1,507.66		0.07			0.07								
22105781	Alexander, Gregory	Senior Environ Health Spec	1.00	\$40,042.04	0.09	0.61	0.30		1.00								
22106108	Arthur, Robert	Engineer Supervisor	0.94	\$58,760.64	0.84	0.09	0.01		0.94								
22105532	Borbely-Kort, Evelyn	Geologist	1.00	\$51,272.63	0.04		0.94			0.59	0.41						
22104604	Bown, Kenneth	Engineer Supervisor	0.50	\$31,085.48	0.01	0.24	0.25						0.50				
22106157	Bradshaw, Lester	Engineer Technician	1.00	\$31,634.54	1.00										1.00		
22105008	Brown, Joseph	Engineer Technician	0.70	\$23,598.37	0.70										0.70		
22107010	Brown, Taylor	Engineer, P.E.	1.00	\$51,635.12	0.32	0.09	0.60			1.00							
22109829	Burchfield, Stephanie	Environmental Health Spec	0.06	\$5,694.70			0.06			0.01	0.05						
22076783	Burghart, Steven	Engineer, P.E.	1.00	\$80,562.73	0.92	0.07	0.01		0.30							0.70	
22106127	Corder, Craig	Engineer Supervisor	1.00	\$87,153.93	0.22	0.78			0.50						0.50		
22104790	Corder, Susan	ADH Environmental Supv	1.00	\$62,375.71	1.00										1.00		
22106202	Couch, Tyler	Environmental Health Spec	0.42	\$12,403.54		0.05	0.37			0.42							
22104518	Dawson, Douglas	Environmental Health Spec	1.00	\$34,561.95	0.38	0.62			1.00								
22076920	Doles, Perry	Engineer Technician	0.13	\$2,953.17	0.05	0.08									0.13		
22106663	Faulkner, Herschel	Engineer, P.E.	0.92	\$61,142.91	0.03	0.01	0.88	0.33		0.59							
22106177	Fiegel, Donald	Environmental Health Spec	0.71	\$37,247.20	0.54	0.17			0.71								
22104664	Fitzhugh, Steven	Engineer Technician	1.00	\$35,640.82	1.00										1.00		
22106817	Frogoso, Kristina	Environmental Health Spec	0.88	\$27,287.83	0.66	0.22			0.72	0.16							
22105843	Gephardt, Trent	Environmental Health Spec	1.00	\$33,223.16	0.75	0.08	0.17	1.00									
22109403	Gilkey, Jason	Environmental Health Spec	1.00	\$37,892.06	0.86	0.14							1.00				
22105425	Gilley, Benjamin	ADH Environmental Supv	0.61	\$30,729.14			0.61			0.61							
22105879	Godfrey, Lyle	ADH Chief Engineer	1.00	\$90,226.74	0.62	0.06	0.32			0.25					0.75		
22076920	Gould, Sarah	Engineer Technician	0.13	\$4,208.29	0.05	0.08									0.13		
22076817	Gray, Gavin	Engineer Technician	0.95	\$29,497.73	0.95										0.95		
22105701	Greenway, Glenn	Engineer Supervisor	1.00	\$66,270.70	0.69	0.30	0.01	0.28							0.72		
22104936	Gregg, Jack	Environmental Health Spec	1.00	\$38,979.82	0.67	0.06	0.26	0.35	0.38	0.27							
22104997	Harris, Robert	Engineer, P.E.	1.00	\$48,631.37	0.99		0.01		1.00								
22109218	Hatfield, Marshall	Engineer, P.E.	1.00	\$61,963.66	0.92	0.06	0.01						1.00				
22104604	Hilborn, Aaron	Engineer Supervisor	1.00	\$49,106.03	0.46	0.52	0.02		0.57				0.43				
22106395	Johnson, Thomas	Engineer, P.E.	1.00	\$47,677.90	0.84	0.16			1.00								
22105207	Jones, Lance	ADH Chief Engineer	1.00	\$82,182.60	0.80	0.12	0.08								1.00		
22106665	Jones, Mark	Environmental Health Spec	1.00	\$34,226.26	0.63	0.30	0.06	1.00									
22109519	Lee, Teresa	Engineer Supervisor	1.00	\$55,919.86		0.98	0.02								1.00		
22105906	Marshall, George	Engineer	0.53	\$20,805.98	0.46	0.07			0.53								
22105008	Mcmanus, Cary	Engineer Technician	0.15	\$3,543.82	0.15										0.15		
22105750	Meacham, Wayne	Environmental Health Spec	1.00	\$52,093.03	0.66	0.18	0.16								1.00		
22106838	Michaels, Robin	Environmental Health Spec	1.00	\$40,772.97	0.99	0.00	0.01								1.00		
22105470	Mize, Charles	Engineer Technician	1.00	\$31,327.28	1.00										1.00		
22106309	Morgan, Martha	Environmental Health Spec	1.00	\$57,660.96	0.28	0.27	0.45	0.73		0.27							
22076820	Mota, Sanjuana	Engineer Technician	0.13	\$4,164.00	0.13					0.13							
22110689	Nelsen, Laura	Environmental Health Spec	1.00	\$35,261.92	0.05	0.94	0.01	1.00									
22109829	Norwood, Richard	Environmental Health Spec	0.34	\$11,133.51		0.01	0.33			0.34							
22107118	Nutt, Andrew	ADH Environmental Supv	1.00	\$73,111.27		1.00			1.00								
22163676	Osmon, Adam	Engineer	0.88	\$33,168.52	0.58	0.27	0.03		0.88								
22163678	Parker, Adam	Engineer	1.00	\$42,860.35	0.79	0.19	0.02	0.52								0.48	
22106202	Pike, Samantha	Environmental Health Spec	0.29	\$11,603.54		0.08	0.21			0.29							
22105615	Prioleau, Alicia	Environmental Health Spec	1.00	\$34,226.28		1.00			1.00								
22105425	Puckett, Randal	ADH Environmental Supv	0.12	\$7,346.66		0.07	0.05			0.12							
22106342	Reaves, Robert	Engineer	0.07	\$1,507.66	0.01	0.06							0.07				
22106024	Roberts, Christopher	Engineer, P.E.	1.00	\$54,062.37	0.32	0.58	0.10						1.00				
22110513	Robertson, Clay	Engineer Technician	1.00	\$32,915.61	1.00										1.00		
22106823	Routh, Darcia	Geology Supervisor	1.00	\$63,866.84			1.00			1.00							
22105580	Saunders, Gerald	Environmental Health Spec	1.00	\$41,449.37	0.47	0.09	0.45						1.00				
22163677	Stacy, William	Engineer	0.95	\$36,183.84	0.49	0.28	0.18	0.06							0.89		
22105489	Starling, Stanley	Environmental Health Spec	1.00	\$37,848.82	0.80	0.19	0.01						1.00				
22105224	Stone, Jeffery	ADH Dir Engineering	1.00	\$95,036.81	0.97	0.03									1.00		
22109951	Talley, Christopher	Environmental Health Spec	1.00	\$35,781.86	0.69	0.31		1.00									
22105003	Taylor, Dennis	Engineer Supervisor	1.00	\$64,647.89	0.02	0.01	0.97						1.00				
22105585	Thompson, Raymond	Engineer Supervisor	1.00	\$86,316.51	0.95	0.03	0.02							1.00			
22105080	Ward, Gerald	Environmental Health Spec	0.92	\$38,169.58	0.90	0.02							0.92				
22110035	Welytok, Victoria	Engineer	1.00	\$55,776.74	0.84	0.16		1.00									
22111755	Wilson, Jack	Environmental Health Spec	1.00	\$40,583.60	0.93	0.07		1.00									
22076820	Yang, Johnny	Engineer Technician	0.13	\$2,953.17	0.13			0.13									
22106189	Youngblood, Stephen	Engineer, P.E.	1.00	\$51,393.47	0.92	0.07	0.01		1.00								
		TOTALS	52.53	\$2,644,870.52	31.56	11.94	9.00	8.40	12.61	6.04	0.46		7.92	1.00	14.92	1.18	
		%			60.08%	22.73%	17.13%	16.00%	24.00%	11.51%	0.87%	0.00%	15.07%	1.90%	28.41%	1.87%	0.00%

					Effort			Funding										
								Federal						State				
					SRF Set-Asides			DWSRF Set-Asides			Other Federal Grants							
Position #	Name	Position Title	Total FTE	Salary (Total)	ASRC SPM (FTE)	ASRF Cap Dev (FTE)	ASRB WHP (FTE)	ASRC SPM (FTE)	ASRF Cap Dev (FTE)	ASRB WHP (FTE)	AWPH ADEQ - WHP (FTE)	AHLS Security (FTE)	AWAT PWSS (FTE)	ASGR General Revenue (FTE)	APWF PWS Service Fee (FTE)	APLE Plan Review Fee Fund (FTE)	AWHF Licensing Fees (FTE)	
IT Staff																		
22076818	Beard, Matthew	Engineer Technician	1.00	\$34,017.79	1.00								1.00					
22109788	Bradley, David	Software Support Analyst	1.00	\$73,111.27	0.93	0.03	0.04	0.25							0.75			
22107058	Hill, Steven	Geologist	1.00	\$53,410.49			1.00			1.00								
22104509	Mance, Margaret	Engineer Technician	1.00	\$35,801.52	1.00			1.00										
22105231	Thompson, Andrew	Systems Analyst	1.00	\$58,602.94	1.00			0.97							0.03			
22105749	Treadway, Gregory	Computer Support Coord	1.00	\$59,353.29	0.98	0.02		0.27							0.73			
22111469	Veluvolu, Ramesh	Software Support Analyst	0.45	\$18,122.88	0.43		0.02								0.45			
		TOTALS	6.45	\$332,420.18	5.34	0.05	1.06	2.48		1.00			1.00		1.97			

<b>Administrative Staff</b>																	
22105926	Charbonneau, Helen	Administrative Spec III	1.00	\$28,843.15	0.60	0.23	0.17		1.00								
22105960	Gaston, Cathy	Administrative Analyst	1.00	\$40,025.64	0.60	0.23	0.17								1.00		
22105953	Hampton, Ida	Administrative Spec III	1.00	\$33,310.08	0.60	1.00	0.17										1.00
22105622	Johnson, Anastasia	Administrative Spec II	1.00	\$22,805.55									1.00				
22106262	Lambert, Marcia	Administrative Spec II	1.00	\$37,354.64	0.60	0.23	0.17			0.25					0.75		
22111151	Petroff, Rosalyn	Administrative Spec III	1.00	\$32,788.35	0.60	0.23	0.17							1.00			
22105983	Rochelle, Linda	Administrative Spec II	1.00	\$37,354.62	0.60	0.23	0.17						0.79		0.21		
22104617	Ross, Shunte'	Administrative Spec II	1.00	\$22,481.84	0.60	0.23	0.17								1.00		
22104842	Shirley, Kelly	Administrative Analyst	1.00	\$38,069.00	0.60	0.23	0.17						1.00				
22111547	Summons, Sharon	Human Res Program Rep	1.00	\$39,925.64	0.60	0.23	0.17	0.29							0.71		
22104661	Trimble, Mary	Budget Analyst	1.00	\$55,741.35	0.60	0.23	0.17	0.68							0.32		
			11.00	\$388,699.86	6.01	3.05	1.71	0.96	1.00	0.25			2.79	1.00	4.00		1.00
		Engineering Grand Totals	69.98	\$3,365,990.56	42.91	15.04	11.77	11.85	13.61	7.29	0.46	0.00	11.71	2.00	20.89		1.00

ADH Laboratory Staff Support by Drinking Water Program																	
					Effort			Funding									
					SRF Set-Asides			Federal				State					
					DWSRF Set-Asides			Other Federal Grants									
Position #	Name	Position Title	Total FTE	Salary (Total)	ASRC SPM (FTE)	ASRF Cap Dev (FTE)	ASRB WHP (FTE)	ASRC SPM (FTE)	ASRF Cap Dev (%)	ASRB WHP (FTE)	AWPH ADEQ - WHP (FTE)	AHLS Security (FTE)	AWAT PWSS (FTE)	ASGR General Revenue (FTE)	APWF PWS Service Fee (FTE)	APLE Plan Review Fee Fund (FTE)	AWHF Licensing Fees (FTE)
22106646	Austin, Indya	Laboratory Technician	1.00	\$8,815.01	-	-	-								1.00		
22106087	Beeson, Travis	Senior Chemist	1.00	\$62,168.29	-	-	-							1.00			
22104646	Biddle, Patricia	Senior Microbiologist	1.00	\$38,307.64	-	-	-								1.00		
22109071	Blaylock, Karen	Budget Manager	0.50	\$34,151.05	-	-	-							0.50			
22105874	Bonner, Errol	Chemist	1.00	\$59,748.62	-	-	-							1.00			
22110868	Bradke, Matthew	Chemist	1.00	\$47,886.70	-	-	-								1.00		
22107017	Clark, Joey	Chemist	1.00	\$40,339.94	-	-	-							1.00			
22105303	Colbert, Dionne	Senior Chemist	1.00	\$64,099.53	-	-	-								1.00		
22110210	Cunningham, Gregory	Warehouse Specialist	1.00	\$29,045.95	-	-	-							1.00			
22076816	Deck, Teresa	Senior Chemist	1.00	\$62,168.29	-	-	-							1.00			
22105147	Donnerson, Carolyn	Warehouse Specialist	1.00	\$25,617.71	-	-	-								1.00		
22106040	Duke, David	Senior Chemist	1.00	\$64,299.40	-	-	-								1.00		
22105976	Emerson, Elizabeth	ADH Laboratory Manager	1.00	\$55,975.30	-	-	-							1.00			
22106646	Enlow, Karron	Laboratory Technician	1.00	\$3,848.89	-	-	-								1.00		
22105402	Ferguson, Dorothy	ADH Laboratory Manager	1.00	\$73,111.21	-	-	-								1.00		
22106716	Gulley, Frederick	Laboratory Technician	1.00	\$24,081.10	-	-	-								1.00		
22106766	Gurley, Catherine	Microbiologist	1.00	\$47,152.52	-	-	-								1.00		
22106474	Henderson, Terri	Senior Chemist	1.00	\$64,299.41	-	-	-								1.00		
22106336	Hudgin, Ryan	Laboratory Technician	1.00	\$3,196.98	-	-	-								1.00		
22105299	Jefferson, Benjamin	Senior Chemist	1.00	\$65,461.48	-	-	-								1.00		
22106712	Jones, Marcus	Laboratory Technician	1.00	\$29,045.95	-	-	-							1.00			
22105521	Jordan, Alindria	ADH Laboratory Manager	1.00	\$48,544.31	-	-	-								1.00		
22106175	Jordan, Erika	Administrative Specialist II	1.00	\$26,033.90	-	-	-							1.00			
22106311	Manor, Delois	ADH Laboratory Manager	1.00	\$70,809.02	-	-	-							1.00			
22106449	Mcgee, Charles	Information Systems Coor	1.00	\$36,669.28	-	-	-								1.00		
22106336	McIntosh, Kimberly	Laboratory Technician	1.00	\$15,201.96	-	-	-								1.00		
22111353	Morris, Anderson	Senior Chemist	1.00	\$37,272.59	-	-	-								1.00		
22106266	Noble, Nathaniel	Senior Chemist	1.00	\$16,547.87	-	-	-								1.00		
22105123	Owen, James	Senior Microbiologist	1.00	\$64,299.39	-	-	-								1.00		
22105462	Parrish, Mark	Senior Chemist	1.00	\$64,299.45	-	-	-								1.00		
22107121	Poposky, Louis	Senior Chemist	1.00	\$62,168.29	-	-	-							1.00			
22106266	Randolph, Debra	Senior Chemist	1.00	\$43,599.74	-	-	-								1.00		
22107000	Rankin, Steven	Senior Chemist	1.00	\$64,199.27	-	-	-								1.00		
22109380	Rowlett, Gary	ADH Laboratory Manager	1.00	\$70,809.02	-	-	-							1.00			
22105255	Sanders, Saluta	Chemist	1.00	\$33,216.67	-	-	-								1.00		
22105422	Sheridan, Gregory	Senior Chemist	1.00	\$64,199.51	-	-	-								1.00		
22106479	Smith, Sandra	Laboratory Technician	1.00	\$27,554.31	-	-	-								1.00		
22104834	Stetzer, Marye	Administrative Specialist I	1.00	\$16,992.69	-	-	-							1.00			
22104860	Threet, Jimmy	Chemist	1.00	\$36,428.64	-	-	-								1.00		
22105336	Troup, Timothy	ADH Laboratory Manager	1.00	\$73,111.25	-	-	-								1.00		
22105905	Wilson, Elizabeth	Microbiologist	1.00	\$40,339.94	-	-	-							1.00			
22104906	Wilson, Mark	Senior Chemist	1.00	\$46,567.95	-	-	-								1.00		
22076782	Wylie, Susan	ADH Assoc Cent Dir Mg-Ops	0.50	\$34,887.94	-	-	-							0.50			
TOTALS			42.00	\$1,896,573.96	-	-	-							14.00	28.00		
** FTEs for Lab Staff in general are @ 1.0 per position, only new staff would be less than 1.0 FTE. The information for making exact FTE determination for Lab staff is not available to Engineering.																	
The reason for listing is to show additional in-kind matching positions over and above the documented values in the third paragraph on page 4 of the Annual Report.																	

## Set-Aside Summary

SRF Grant Year	Set-Aside	% of Grant	Total Available	Total Reserved	Total Available to Budget	Total Expended To Date	Remaining Balance	Grant Start Date	Projected Expense Begin Date	Projected Expense End Date	Grant End Date
2007*	SPM	10%	\$ 1,033,300	\$ -	\$ 1,033,300	\$ 1,033,300	\$ -	9/10/2008	Jul-10	Sep-11	9/30/2012
	TA	2%	\$ 206,660	\$ -	\$ 200,576	\$ 194,492	\$ 6,084		Oct-10	Sep-12	
	WHP	5%	\$ 619,980	\$ -	\$ 516,650	\$ 516,650	\$ -		Jun-11	Jun-12	
	Cap Dev	10%	\$ 929,970	\$ -	\$ 1,033,300	\$ 1,033,300	\$ -		Jul-10	Jul-11	
	Total	27%	\$ 2,789,910	\$ -	\$ 2,783,826	\$ 2,777,742	\$ -		Jul-10	Sep-12	
ARRA 09	SPM	10%	\$ 2,448,500	\$ 2,448,500	\$ -	\$ -	\$ -	2/27/2009	N/A	N/A	9/30/2011
	TA	2%	\$ 489,700	\$ 489,700	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	0%	\$ -	\$ -	\$ -	\$ -	\$ -		N/A	N/A	
	Cap Dev	0%	\$ -	\$ -	\$ -	\$ -	\$ -		N/A	N/A	
	Total	12%	\$ 2,938,200	\$ 2,938,200	\$ -	\$ -	\$ -		N/A	N/A	
2008**	SPM	10%	\$ 1,022,900	\$ -	\$ 1,022,900	\$ 1,022,900	\$ -	10/1/2009	Sep-11	Sep-12	9/30/2013
	TA	2%	\$ 204,580	\$ 204,580	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 613,740	\$ -	\$ 511,450	\$ 511,450	\$ -		Jun-12	Apr-13	
	Cap Dev	10%	\$ 920,610	\$ -	\$ 1,022,900	\$ 1,022,900	\$ -		Jun-11	Apr-12	
	Total	27%	\$ 2,761,830	\$ 204,580	\$ 2,557,250	\$ 2,557,250	\$ -		Jun-11	Apr-13	
2009	SPM	10%	\$ 1,022,900	\$ 400,000	\$ 622,900	\$ 622,900	\$ -	10/1/2010	Sep-12	Apr-13	9/30/2014
	TA	2%	\$ 204,580	\$ 204,580	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 511,450	\$ -	\$ 511,450	\$ 511,450	\$ -		Apr-13	Oct-13	
	Cap Dev	10%	\$ 1,022,900	\$ -	\$ 1,022,900	\$ 1,022,900	\$ -		Apr-12	Nov-12	
	Total	27%	\$ 2,761,830	\$ 604,580	\$ 2,157,250	\$ 2,157,250	\$ -		Apr-12	Oct-13	
2010^	SPM	10%	\$ 2,053,900	\$ 500,000	\$ 1,553,900	\$ 1,553,900	\$ -	1/1/2011	Apr-13	Jun-14	12/31/2014 (extended thru 4/31/15)
	TA	2%	\$ 410,780	\$ 410,780	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 1,026,950	\$ -	\$ 1,026,950	\$ 1,026,950	\$ -		Oct-13	Jan-15	
	Cap Dev	10%	\$ 2,053,900	\$ -	\$ 2,053,900	\$ 2,053,900	\$ -		Nov-12	Jan-14	
	Total	27%	\$ 5,545,530	\$ 910,780	\$ 4,634,750	\$ 4,634,750	\$ -		Nov-12	Jan-15	
2011	SPM	10%	\$ 1,425,200	\$ 1,425,200	\$ -	\$ -	\$ -	3/5/2012	N/A	N/A	9/30/2015
	TA	2%	\$ 285,040	\$ 285,040	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 712,600	\$ -	\$ -	\$ -	\$ -		N/A	N/A	
	Cap Dev	10%	\$ 1,425,200	\$ -	\$ 1,425,200	\$ 1,425,200	\$ -		Jan-14	Sep-14	
	Total	27%	\$ 3,848,040	\$ 1,710,240	\$ 1,425,200	\$ 1,425,200	\$ -		Jan-14	Sep-14	
2012	SPM	10%	\$ 1,358,200	\$ 850,000	\$ 508,200	\$ 508,200	\$ -	5/30/2012	Jun-14	Nov-14	9/30/2016
	TA	2%	\$ 271,640	\$ 271,640	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 679,100	\$ -	\$ -	\$ -	\$ -		N/A	N/A	
	Cap Dev	10%	\$ 1,358,200	\$ -	\$ 1,358,200	\$ 1,358,200	\$ -		Sep-14	Jun-15	
	Total	27%	\$ 3,667,140	\$ 1,121,640	\$ 1,866,400	\$ 1,866,400	\$ -		Jun-14	Jun-15	
2013	SPM	10%	\$ 1,274,300	\$ -	\$ 1,274,300	\$ 1,274,300	\$ -	10/1/2013	Nov-14	Sep-15	9/30/2017
	TA	2%	\$ 254,860	\$ 254,860	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 637,150	\$ -	\$ 637,150	\$ 637,150	\$ -		Jan-15	Sep-15	
	Cap Dev	10%	\$ 1,274,300	\$ -	\$ 1,274,300	\$ 1,274,300	\$ -		Jan-15	Jan-16	
	Total	27%	\$ 3,440,610	\$ 254,860	\$ 3,185,750	\$ 3,185,750	\$ -		Nov-14	Jan-16	
2014	SPM	10%	\$ 1,353,400	\$ -	\$ 1,353,400	\$ 1,353,400	\$ -	10/1/2014	Aug-15	Sep-16	9/30/2018
	TA	2%	\$ 270,680	\$ 270,680	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 676,700	\$ -	\$ 676,700	\$ 676,700	\$ 0		Dec-15	Sep-16	
	Cap Dev	10%	\$ 1,353,400	\$ -	\$ 1,353,400	\$ 1,353,400	\$ 0		Jan-16	Oct-16	
	Total	27%	\$ 3,654,180	\$ 270,680	\$ 3,383,500	\$ 3,383,500	\$ 0		Sep-15	Oct-16	
2015	SPM	10%	\$ 1,344,500	\$ -	\$ 1,344,500	\$ 1,307,688	\$ 36,812	10/1/2015	Sep-16	Jul-17	9/30/2019
	TA	2%	\$ 268,900	\$ 268,900	\$ -	\$ -	\$ -		N/A	N/A	
	WHP	5%	\$ 672,250	\$ -	\$ 672,250	\$ 563,903	\$ 108,347		Sep-16	Aug-17	
	Cap Dev	10%	\$ 1,344,500	\$ -	\$ 1,344,500	\$ 815,224	\$ 529,276		Oct-16	Sep-17	
	Total	27%	\$ 3,630,150	\$ 268,900	\$ 3,361,250	\$ 2,686,815	\$ 674,435		Sep-16	Aug-17	
2016**	SPM	10%	\$ 1,271,900	\$ -	\$ 1,271,900	\$ -	\$ 1,271,900	10/1/2016	Jul-17	Aug-18	9/30/2020
	TA	2.4%	\$ 254,380	\$ 254,380	\$ 308,820	\$ 243,070	\$ 65,750		N/A	TBD	
	WHP	5%	\$ 635,950	\$ -	\$ 635,950	\$ -	\$ 635,950		Aug-17	Jul-18	
	Cap Dev	10%	\$ 1,271,900	\$ -	\$ 1,271,900	\$ -	\$ 1,271,900		Sep-17	Sep-18	
	Total	27.4%	\$ 3,434,130	\$ 254,380	\$ 3,488,570	\$ 243,070	\$ 3,245,500				
Current Balance Totals**	SPM		\$ 9,985,300	\$ 5,623,700	\$ 1,308,712	\$ 8,676,588	\$ 1,308,712				
	TA		\$ 515,480	\$ 2,606,320	\$ 65,750	\$ 437,562	\$ 65,750				
	WHP		\$ 6,785,870	\$ -	\$ 744,297	\$ 4,444,253	\$ 744,297				
	Cap Dev		\$ 12,954,880	\$ -	\$ 1,801,176	\$ 11,359,324	\$ 1,801,176				
	Total		\$ 30,241,530	\$ 8,230,020	\$ 3,919,935	\$ 24,917,727	\$ 3,919,935				
2017***	SPM	10%	\$ 1,261,000	\$ -	\$ 1,361,000	\$ -	\$ 1,361,000	TBD	TBD	TBD	
	TA	3%	\$ 252,200	\$ -	\$ 252,200	\$ -	\$ 252,200		TBD	TBD	
	WHP	5%	\$ 630,500	\$ -	\$ 630,500	\$ -	\$ 630,500		TBD	TBD	
	Cap Dev	10%	\$ 1,261,000	\$ -	\$ 1,261,000	\$ -	\$ 1,261,000		TBD	TBD	
	Total	28.0%	\$ 3,404,700	\$ -	\$ 3,504,700	\$ -	\$ -				
Proposed Balance Totals**	SPM		\$ 11,246,300	\$ 5,623,700	\$ 2,669,712	\$ 8,676,588	\$ 2,669,712				
	TA		\$ 767,680	\$ 2,606,320	\$ 317,950	\$ 437,562	\$ 317,950				
	WHP		\$ 7,416,370	\$ -	\$ 1,374,797	\$ 4,444,253	\$ 1,374,797				
	Cap Dev		\$ 14,215,880	\$ -	\$ 3,062,176	\$ 11,359,324	\$ 3,062,176				
	Total		\$ 33,646,230	\$ 8,230,020	\$ 7,424,635	\$ 24,917,727	\$ 7,424,635				

\* 2007 and 2008 workplans originally budgeted with 6% WHP and 9% Cap Dev. Revised workplans submitted to change to 5% WHP and 10% Cap Dev. \$6,084 from TA set-aside returned to loan fund.

^ 2008 and 2010 workplans originally budgeted without full banking of TA set-aside

\*\*Reclaiming \$308,820 from previously reserved SSTA Set-aside funds

\*\*\*Reclaiming \$100,000 reserved SPM Set-aside funds.

\*\* Totals are based on expenditures through

6/30/2017

ADH Summary							
SFY 2012 Actual Expenses	SFY 2013 Actual Expenses	SFY 2014 Actual Expenses	SFY 2015 Actual Expenses	SFY 2016 Actual Expenses	SFY 2017 Actual Expenses	SFY 2018 Projected Expenses	
SPM	\$ 1,074,056	\$ 1,030,564	\$ 1,365,820	\$ 1,500,458	\$ 1,538,031	\$ 1,358,160	\$ 1,254,910
TA	\$ 51,691	\$ 8,669	\$ -	\$ -	\$ -	\$ 243,070	\$ 317,950
WHP	\$ 525,387	\$ 776,272	\$ 731,490	\$ 920,466	\$ 717,214	\$ 748,581	\$ 714,716
Cap Dev	\$ 1,390,473	\$ 1,885,470	\$ 1,842,508	\$ 1,951,949	\$ 1,917,406	\$ 1,343,242	\$ 1,598,755
Total	\$ 3,041,607	\$ 3,700,974	\$ 3,939,818	\$ 4,372,873	\$ 4,172,651	\$ 3,693,053	\$ 3,886,331

ADH ULO Balances	
Start of SFY	Balance
2012	\$10,122,205
2013	\$7,080,599
2014	\$6,678,175
2015	\$5,924,107
2016	\$4,936,016
2017	\$4,124,417
2018	\$3,919,935
2019 est.	\$3,538,304

## Salary Disribution

### Engineering Technical Staff Salary Distribution (65)

Position Number	Name	Title	APLE Plan Review Fee Fund	APWF PWS Service Fee	ASGR General Revenue	ASRB Wellhead Protection Prog	ASRC State Program Managment	ASRF Capacity Development	AWAT PWSS Program	AWHF Licensing Fee Fund	AWHP ADEQ - WHP	Grand Total
22105676	Acuff, Callie	Engineer						\$1,507.66				\$1,507.66
22105781	Alexander, Gregory	Senior Environ Health Spec						\$40,042.04				\$40,042.04
22106108	Arthur, Robert	Engineer Supervisor						\$58,760.64				\$58,760.64
22105532	Borbely-Kort, Evelyn	Geologist				\$30,404.85					\$20,867.78	\$51,272.63
22104604	Bown, Kenneth	Engineer Supervisor							\$31,085.48			\$31,085.48
22106157	Bradshaw, Lester	Engineer Technician		\$31,634.54								\$31,634.54
22105008	Brown, Joseph	Engineer Technician		\$23,598.37								\$23,598.37
22107010	Brown, Taylor	Engineer, P.E.				\$51,635.12						\$51,635.12
22109829	Burchfield, Stephanie	Environmental Health Spec				\$911.17					\$4,783.53	\$5,694.70
22076783	Burghart, Steven	Engineer, P.E.	\$56,393.92					\$24,168.81				\$80,562.73
22106127	Corder, Craig	Engineer Supervisor		\$43,576.92				\$43,577.01				\$87,153.93
22104790	Corder, Susan	ADH Environmental Supv		\$62,375.71								\$62,375.71
22106202	Couch, Tyler	Environmental Health Spec				\$12,403.54						\$12,403.54
22104518	Dawson, Douglas	Environmental Health Spec						\$34,561.95				\$34,561.95
22076920	Doles, Perry	Engineer Technician		\$2,953.17								\$2,953.17
22106663	Faulkner, Herschel	Engineer, P.E.				\$39,294.34	\$21,848.57					\$61,142.91
22106177	Fiegel, Donald	Environmental Health Spec						\$37,247.20				\$37,247.20
22104664	Fitzhugh, Steven	Engineer Technician		\$35,640.82								\$35,640.82
22106817	Frogoso, Kristina	Environmental Health Spec				\$4,961.43		\$22,326.40				\$27,287.83
22105843	Gephardt, Trent	Environmental Health Spec					\$33,223.16					\$33,223.16
22109403	Gilkey, Jason	Environmental Health Spec							\$37,892.06			\$37,892.06
22105425	Gilley, Benjamin	ADH Environmental Supv				\$30,729.14						\$30,729.14
22105879	Godfrey, Lyle	ADH Chief Engineer		\$67,711.55		\$22,515.19						\$90,226.74
22076920	Gould, Sarah	Engineer Technician		\$4,208.29								\$4,208.29
22076817	Gray, Gavin	Engineer Technician		\$29,497.73								\$29,497.73
22105701	Greenway, Glenn	Engineer Supervisor		\$47,746.18			\$18,524.52					\$66,270.70
22104936	Gregg, Jack	Environmental Health Spec				\$10,437.52	\$13,731.54	\$14,810.76				\$38,979.82
22104997	Harris, Robert	Engineer, P.E.						\$48,631.37				\$48,631.37
22109218	Hatfield, Marshall	Engineer, P.E.							\$61,963.66			\$61,963.66
22104604	Hilborn, Aaron	Engineer Supervisor						\$28,203.64	\$20,902.39			\$49,106.03
22106395	Johnson, Thomas	Engineer, P.E.						\$47,677.90				\$47,677.90
22105207	Jones, Lance	ADH Chief Engineer		\$82,182.60								\$82,182.60
22106665	Jones, Mark	Environmental Health Spec					\$34,226.26					\$34,226.26
22109519	Lee, Teresa	Engineer Supervisor		\$55,919.86								\$55,919.86
22105906	Marshall, George	Engineer						\$20,805.98				\$20,805.98
22105008	Mcmanus, Cary	Engineer Technician		\$3,543.82								\$3,543.82
22105750	Meacham, Wayne	Environmental Health Spec		\$52,093.03								\$52,093.03
22106838	Michaels, Robin	Environmental Health Spec		\$40,772.97								\$40,772.97
22105470	Mize, Charles	Engineer Technician		\$31,327.28								\$31,327.28
22106309	Morgan, Martha	Environmental Health Spec				\$15,393.62	\$42,267.34					\$57,660.96
22076820	Mota, Sanjuana	Engineer Technician				\$4,164.00						\$4,164.00
22110689	Nelsen, Laura	Environmental Health Spec					\$35,261.92					\$35,261.92
22109829	Norwood, Richard	Environmental Health Spec				\$11,133.51						\$11,133.51
22107118	Nutt, Andrew	ADH Environmental Supv						\$73,111.27				\$73,111.27
22163676	Osmon, Adam	Engineer						\$33,168.52				\$33,168.52
22163678	Parker, Adam	Engineer	\$20,572.92				\$22,287.43					\$42,860.35
22106202	Pike, Samantha	Environmental Health Spec				\$11,603.54						\$11,603.54
22105615	Pringle, Alicia	Environmental Health Spec						\$34,226.28				\$34,226.28
22105425	Puckett, Randal	ADH Environmental Supv				\$7,346.66						\$7,346.66
22106342	Reaves, Robert	Engineer							\$1,507.66			\$1,507.66
22106024	Roberts, Christopher	Engineer, P.E.							\$54,062.37			\$54,062.37
22110513	Robertson, Clay	Engineer Technician		\$32,915.61								\$32,915.61
22106823	Routh, Darcia	Geology Supervisor				\$63,866.84						\$63,866.84
22105580	Saunders, Gerald	Environmental Health Spec							\$41,449.37			\$41,449.37
22163677	Stacy, William	Engineer		\$33,922.33			\$2,261.51					\$36,183.84
22105489	Starling, Stanley	Environmental Health Spec							\$37,848.82			\$37,848.82
22105224	Stone, Jeffery	ADH Dir Engineering		\$95,036.81								\$95,036.81
22109951	Talley, Christopher	Environmental Health Spec					\$35,781.86					\$35,781.86
22105003	Taylor, Dennis	Engineer Supervisor							\$64,647.89			\$64,647.89
22105585	Thompson, Raymond	Engineer Supervisor			\$86,316.51							\$86,316.51
22105080	Ward, Gerald	Environmental Health Spec							\$38,169.58			\$38,169.58
22110035	Welytok, Victoria	Engineer					\$55,776.74					\$55,776.74
22111755	Wilson, Jack	Environmental Health Spec					\$40,583.60					\$40,583.60
22076820	Yang, Johnny	Engineer Technician					\$2,953.17					\$2,953.17
22106189	Youngblood, Stepher	Engineer, P.E.						\$51,393.47				\$51,393.47
<b>Total</b>			<b>\$76,966.84</b>	<b>\$776,657.59</b>	<b>\$86,316.51</b>	<b>\$316,800.47</b>	<b>\$358,727.62</b>	<b>\$614,220.90</b>	<b>\$389,529.28</b>	<b>\$0.00</b>	<b>\$25,651.31</b>	<b>\$2,644,870.52</b>

**Engineering Admin Salary Distribution (11)**

Position Number	Name	Title	APLE Plan Review Fee Fund	APWF PWS Service Fee	ASGR General Revenue	ASRB Wellhead Protection Prog	ASRC State Program Managment	ASRF Capacity Development	AWAT PWSS Program	AWHF Licensing Fee Fund	AWHP ADEQ - WHP	Grand Total
22105926	Charbonneau, Helen	Administrative Spec III						\$28,843.15				\$28,843.15
22105960	Gaston, Cathy	Administrative Analyst		\$40,025.64								\$40,025.64
22105953	Hampton, Ida	Administrative Spec III								\$33,310.08		\$33,310.08
22105622	Johnson, Anastasia	Administrative Spec II							\$22,805.55			\$22,805.55
22106262	Lambert, Marcia	Administrative Spec II		\$28,016.05		\$9,338.59						\$37,354.64
22111151	Petroff, Rosalyn	Administrative Spec III			\$32,788.35							\$32,788.35
22105983	Rochelle, Linda	Administrative Spec II		\$7,844.35					\$29,510.27			\$37,354.62
22104617	Ross, Shunte'	Administrative Spec II		\$22,481.84								\$22,481.84
22104842	Shirley, Kelly	Administrative Analyst							\$38,069.00			\$38,069.00
22111547	Summons, Sharon	Human Res Program Rep		\$28,533.36			\$11,392.28					\$39,925.64
22104661	Trimble, Mary	Budget Analyst		\$18,012.82			\$37,728.53					\$55,741.35
<b>Total</b>			<b>\$0.00</b>	<b>\$144,914.06</b>	<b>\$32,788.35</b>	<b>\$9,338.59</b>	<b>\$49,120.81</b>	<b>\$28,843.15</b>	<b>\$90,384.82</b>	<b>\$33,310.08</b>	<b>\$0.00</b>	<b>\$388,699.86</b>

**Engineering IT Salary Distribution (7)**

Position Number	Name	Title	APLE Plan Review Fee Fund	APWF PWS Service Fee	ASGR General Revenue	ASRB Wellhead Protection Prog	ASRC State Program Managment	ASRF Capacity Development	AWAT PWSS Program	AWHF Licensing Fee Fund	AWHP ADEQ - WHP	Grand Total
22076818	Beard, Matthew	Engineer Technician							\$34,017.79			\$34,017.79
22109788	Bradley, David	Software Support Analyst		\$54,833.55			\$18,277.72					\$73,111.27
22107058	Hill, Steven	Geologist				\$53,410.49						\$53,410.49
22104509	Mance, Margaret	Engineer Technician					\$35,801.52					\$35,801.52
22105231	Thompson, Andrew	Systems Analyst		\$1,972.30			\$56,630.64					\$58,602.94
22105749	Treadway, Gregory	Computer Support Coord		\$43,474.40			\$15,878.89					\$59,353.29
22111469	Veluvolu, Ramesh	Software Support Analyst		\$18,122.88								\$18,122.88
<b>Total</b>			<b>\$0.00</b>	<b>\$118,403.13</b>	<b>\$0.00</b>	<b>\$53,410.49</b>	<b>\$126,588.77</b>	<b>\$0.00</b>	<b>\$34,017.79</b>	<b>\$0.00</b>	<b>\$0.00</b>	<b>\$332,420.18</b>



**PHL Salaries in support of Drinking Water Program (43)**

Position Number	Name	Title	APLE Plan Review Fee Fund	APWF PWS Service Fee	ASGR General Revenue	ASRB Wellhead Protection Prog	ASRC State Program Managment	ASRF Capacity Development	AWAT PWSS Program	AWHF Licensing Fee Fund	AWHP ADEQ - WHP	Grand Total
22106646	Austin, Indya	Laboratory Technician		\$8,815.01								\$8,815.01
22106087	Beeson, Travis	Senior Chemist			\$62,168.29							\$62,168.29
22104646	Biddle, Patricia	Senior Microbiologist		\$38,307.64								\$38,307.64
22109071	Blaylock, Karen	Budget Manager			\$34,151.05							\$34,151.05
22105874	Bonner, Errol	Chemist			\$59,748.62							\$59,748.62
22110868	Bradke, Matthew	Chemist		\$47,886.70								\$47,886.70
22107017	Clark, Joey	Chemist			\$40,339.94							\$40,339.94
22105303	Colbert, Dionne	Senior Chemist		\$64,099.53								\$64,099.53
22110210	Cunningham, Gregor	Warehouse Specialist			\$29,045.95							\$29,045.95
22076816	Deck, Teresa	Senior Chemist			\$62,168.29							\$62,168.29
22105147	Donnerson, Carolyn	Warehouse Specialist		\$25,617.71								\$25,617.71
22106040	Duke, David	Senior Chemist		\$64,299.40								\$64,299.40
22105976	Emerson, Elizabeth	ADH Laboratory Manager			\$55,975.30							\$55,975.30
22106646	Enlow, Karron	Laboratory Technician		\$3,848.89								\$3,848.89
22105402	Ferguson, Dorothy	ADH Laboratory Manager		\$73,111.21								\$73,111.21
22106716	Gulley, Frederick	Laboratory Technician		\$24,081.10								\$24,081.10
22106766	Gurley, Catherine	Microbiologist		\$47,152.52								\$47,152.52
22106474	Henderson, Terri	Senior Chemist		\$64,299.41								\$64,299.41
22106336	Hudgin, Ryan	Laboratory Technician		\$3,196.98								\$3,196.98
22105299	Jefferson, Benjamin	Senior Chemist		\$65,461.48								\$65,461.48
22106712	Jones, Marcus	Laboratory Technician			\$29,045.95							\$29,045.95
22105521	Jordan, Alindria	ADH Laboratory Manager		\$48,544.31								\$48,544.31
22106175	Jordan, Erika	Administrative Specialist II			\$26,033.90							\$26,033.90
22106311	Manor, Delois	ADH Laboratory Manager			\$70,809.02							\$70,809.02
22106449	Mcgee, Charles	Information Systems Coor		\$36,669.28								\$36,669.28
22106336	Mcintosh, Kimberly	Laboratory Technician		\$15,201.96								\$15,201.96
22111353	Morris, Anderson	Senior Chemist		\$37,272.59								\$37,272.59
22106266	Noble, Nathaniel	Senior Chemist		\$16,547.87								\$16,547.87
22105123	Owen, James	Senior Microbiologist		\$64,299.39								\$64,299.39
22105462	Parrish, Mark	Senior Chemist		\$64,299.45								\$64,299.45
22107121	Poposky, Louis	Senior Chemist			\$62,168.29							\$62,168.29
22106266	Randolph, Debra	Senior Chemist		\$43,599.74								\$43,599.74
22107000	Rankin, Steven	Senior Chemist		\$64,199.27								\$64,199.27
22109380	Rowlett, Gary	ADH Laboratory Manager			\$70,809.02							\$70,809.02
22105255	Sanders, Saluta	Chemist		\$33,216.67								\$33,216.67
22105422	Sheridan, Gregory	Senior Chemist		\$64,199.51								\$64,199.51
22106479	Smith, Sandra	Laboratory Technician		\$27,554.31								\$27,554.31
22104834	Stetzer, Marye	Administrative Specialist I			\$16,992.69							\$16,992.69
22104860	Threet, Jimmy	Chemist		\$36,428.64								\$36,428.64
22105336	Troup, Timothy	ADH Laboratory Manager		\$73,111.25								\$73,111.25
22105905	Wilson, Elizabeth	Microbiologist			\$40,339.94							\$40,339.94
22104906	Wilson, Mark	Senior Chemist		\$46,567.95								\$46,567.95
22076782	Wylie, Susan	ADH Assoc Cent Dir Mg-Ops			\$34,887.94							\$34,887.94
<b>Total</b>				<b>\$1,201,889.77</b>	<b>\$694,684.19</b>							<b>\$1,896,573.96</b>

**ATTACHMENT B**

SUMMARY OF  
TRAVEL REIMBURSEMENTS

### **Travel Reimbursements Summary**

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22106108	Arthur, Robert	\$15.00		ASRF0014	District Meeting
22106108	Arthur, Robert	\$820.62		ASRF0014	AWOP Meeting
22106108	Arthur, Robert	\$14.30		ASRF0015	District Meeting
22106108	Arthur, Robert	\$8.67		ASRF0015	District Meeting
22106108	Arthur, Robert	\$16.01		ASRF0015	District Meeting
22076783	Burghart, Steven	\$15.00		ASRF0014	District Meeting
22076783	Burghart, Steven	\$15.40		ASRF0014	District Meeting
22076783	Burghart, Steven	\$14.30		ASRF0015	District Meeting
22076783	Burghart, Steven	\$15.00		ASRF0015	CARCW & WEA District Meeting
22076783	Burghart, Steven	\$15.40		ASRF0015	District Meeting
22106127	Corder, Craig	\$764.10		ASRF0014	AWOP Meeting
22106127	Corder, Craig	\$62.27		ASRF0014	San Survey, District Meeting
22106127	Corder, Craig		\$758.53	ASRF0014	ASDWA Conference
22106127	Corder, Craig	\$134.76		ASRF0015	Tank Inspections
22106127	Corder, Craig	\$429.91		ASRF0015	AWOP Meeting
22106127	Corder, Craig	\$17.07		ASRF0015	District Meeting
22106127	Corder, Craig	\$132.87		ASRF0015	Data Audit
22106127	Corder, Craig	\$148.14		ASRF0015	Data Audit
22106202	Couch, Tyler	\$13.61		ASRB0015	District Meeting
22106202	Couch, Tyler	\$138.05		ASRB0015	ARWA PSOC Inventory
22104518	Dawson, Douglas	\$144.82		ASRF0014	San Survey
22076920	Doles, Perry	\$150.10		ASRF0015	Data Audit
22076920	Doles, Perry	\$261.81		ASRF0015	Calibration checks
22106177	Fiegel , Donald	\$806.82		ASRF0014	AWOP Meeting
22106177	Fiegel , Donald	\$8.16		ASRF0015	District Meeting
22106817	Frogoso, Kristina	\$123.89		ASRF0015	Tank Data Collection
22106817	Frogoso, Kristina	\$394.22		ASRF0015	AWOP Meeting
22106817	Frogoso, Kristina	\$135.42		ASRF0015	Data Audit
22106817	Frogoso, Kristina	\$142.63		ASRF0015	Data Audit
22105843	Gephardt, Trent	\$140.34		ASRF0015	Tech Asst & Exam Proctor
22105843	Gephardt, Trent	\$69.02		ASRF0015	District Meeting
22105843	Gephart, Trent	\$50.62		ASRF0014	ADH Compliance Course Training
22105843	Gephart, Trent	\$50.62		ASRF0014	Water Licensing Test Proctor
22105843	Gephart, Trent	\$71.97		ASRF0014	San Survey, Compliance Course Instructor
22105843	Gephart, Trent	\$71.97		ASRF0014	San Survey, District Meeting
22105843	Gephart, Trent	\$64.32		ASRF0015	District Meeting and sanitary surveys
22105843	Gephart, Trent	\$206.34		ASRF0015	Compliance Training
22105843	Gephart, Trent	\$63.61		ASRF0015	Sanitary survey/Compliance Training
22105843	Gephart, Trent	\$62.40		ASRF0015	Sanitary surveys/District Meeting
22105843	Gephart, Trent	\$70.58		ASRF0015	Sanitary Survey and District Meeting
22109403	Gilkey, Jason	\$16.00		ASRF0014	District Meeting
22109403	Gilkey, Jason	\$16.00		ASRF0014	District Meeting
22109403	Gilkey, Jason	\$17.00		ASRF0014	District Meeting
22109403	Gilkey, Jason	\$18.00		ASRF0015	District Meeting
22109403	Gilkey, Jason	\$112.45		ASRF0015	Technical Assistance
22109403	Gilkey, Jason	\$16.00		ASRF0014	District Meeting
22109403	Gilkey, Jason	\$126.78		ASRF0015	District Meeting/Complaint Investigation

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22109403	Gilkey, Jason	\$111.41		ASRF0015	Complaint Investigation
22109403	Gilkey, Jason	\$114.46		ASRF0015	Technical Assistance
22109403	Gilkey, Jason	\$70.30		ASRF0015	Data Audit and District Meeting
22109403	Gilkey, Jason	\$28.72		ASRF0015	Licensing exam proctor
22109403	Gilkey, Jason	\$64.72		ASRF0015	Sanitary Survey and District Meeting
22105425	Gilley, Benjamin	\$13.61		ASRF0015	District Meeting
22105425	Gilley, Benjamin	\$149.04		ASRB0015	ARWA PSOC Inventory
22105879	Godfrey, Lyle		\$389.44	ASRB0014	AWRC Conference
22105879	Godfrey, Lyle		\$1,939.87	ASRC0015	ASDWA Conference
22106920	Gould, Sarah	\$385.31		ASRB0014	Field data collection Dist. 1
22106920	Gould, Sarah	\$391.39		ASRF0014	Equipment calibration checks
22106920	Gould, Sarah	\$364.80		ASRB0014	Field data collection Dist. 1
22106920	Gould, Sarah	\$354.76		ASRB0014	Field data collection Dist 2
22104936	Gregg, Jack	\$23.87		ASRF0014	District Meeting
22104936	Gregg, Jack	\$17.93		ASRF0014	District Meeting
22104936	Gregg, Jack	\$52.59		ASRF0015	District Meeting
22104997	Harris, Robert	\$13.83		ASRF0014	District Meeting
22104997	Harris, Robert	\$14.06		ASRF0014	District Meeting
22104997	Harris, Robert	\$10.89		ASRF0014	District Meeting
22104997	Harris, Robert	\$8.16		ASRF0015	District Meeting
22104997	Harris, Robert	\$92.46		ASRF0015	Meeting
22104997	Harris, Robert	\$10.84		ASRF0015	District Meeting
22104997	Harris, Robert	\$9.10		ASRF0015	District Meeting
22104997	Harris, Robert	\$14.09		ASRF0015	District Meeting
22104997	Harris, Robert	\$7.05		ASRF0015	District Meeting
22105676	Hilborn, Aaron	\$283.76		ASRF0014	Compliance Course, Tech Assist.
22104604	Hilborn, Aaron	\$126.92		ASRF0015	District Meeting & THM
22104604	Hilborn, Aaron	\$445.72		ASRF0015	AWOP Meeting
22106395	Johnson, Thomas	\$101.45		ASRF0014	BPAA
22106395	Johnson, Thomas	\$25.02		ASRF0014	CCCP Surveys & BPAA Conference
22106395	Johnson, Thomas	\$24.00		ASRF0015	AR Municipal League Conference
22106395	Johnson, Thomas	\$14.06		ASRF0015	District Meeting
22106395	Johnson, Thomas	\$21.71		ASRF0015	CCCP Surveys
22106395	Johnson, Thomas	\$17.12		ASRF0015	District Meeting
22106665	Jones, Mark	\$106.72		ASRF0014	Exam Proctor
22106665	Jones, Mark	\$18.35		ASRF0014	District Meeting
22106665	Jones, Mark	\$8.75		ASRF0014	District Meeting
22106665	Jones, Mark	\$94.30		ASRF0015	Compliance Course Oper. Exam
22106665	Jones, Mark	\$61.11		ASRF0015	Sanitary Survey & District Meeting
22106665	Jones, Mark	\$95.54		ASRF0015	Compliance Training
22106665	Jones, Mark	\$45.00		ASRC0015	Sanitary survey and survey tank storm damage
22105532	Kort, Evelyn		\$381.32	ASRB0014	AWRC Conference
22105532	Kort, Evelyn	\$15.00		ASRB0015	Stakeholder Meeting
22105532	Kort, Evelyn	\$10.84		ASRF0015	District Meeting
22109519	Lee, Teresa	\$654.37		ASRF0015	EPA Finance Forum Lead & Copper Training
22105906	Marshall, George	\$16.00		ASRF0015	District Meeting
22105906	Marshall, George	\$185.99		ASRF0015	Compliance training/sanitary surveys

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22105906	Marshall, George	\$18.09		ASRF0015	District Meeting
22105906	Marshall, George	\$68.04		ASRF0015	Plant Evaluation & AWWA Conference
22105906	Marshall, George	\$16.87		ASRF0015	District Meeting
22105906	Marshall, George	\$84.83		ASRB0015	AWWA/WEA Conference
22105906	Marshall, George	\$140.17		ASRF0015	Data Audit
22105906	Marshall, George	\$16.87		ASRF0015	District Meeting
22104785	McMullen, Richard	\$170.00		ASRF0015	AWW&WEA Conference
22105750	Meacham, Conway	\$15.40		ASRF0014	District Meeting
22105750	Meacham, Conway	\$13.20		ASRF0015	District Meeting
22105750	Meacham, Conway	\$15.00		ASRF0015	District Meeting
22105750	Meacham, Conway	\$13.20		ASRF0015	District Meeting
22105750	Meacham, Conway	\$124.83		ASRF0015	Water Licensing Test Proctor
22076820	Mota, SanJuana	\$396.08		ASRF0014	Equipment calibration checks
22076820	Mota, SanJuana	\$214.17		ASRB0014	Field data collection Dist. 1
22076820	Mota, SanJuana	\$344.37		ASRB0014	Field data collection Dist. 3, 4 & 6
22109829	Norwood, Richard	\$126.91		ASRB0015	ARWA PSOC Inventory
22107118	Nutt, Martin		\$694.57	ASRF0014	AWWMA Conference
22107118	Nutt, Martin	\$127.08		ASRF0014	Train the Trainer Course
22107118	Nutt, Martin		\$2,037.14	ASRF0015	ABC Annual Conference
22107118	Nutt, Martin		\$513.31	ASRF0014	ARWA Conference
22107118	Nutt, Martin		\$540.02	ASRF0014	SW Section AWWA Conference
22107118	Nutt, Martin	\$266.36		ASRF0015	Compliance training
22107118	Nutt, Martin	\$13.44		ASRF0015	District Meeting
22107118	Nutt, Martin	\$347.60		ASRF0015	AWWA/WEA Conference
22163676	Osman, Adam	\$138.07		ASRF0015	Tank Data Collection
22163676	Osman, Adam	\$25.63		ASRF0015	Tank data collection
22163676	Osman, Adam	\$438.00		ASRF0015	District Meeting
22163676	Osman, Adam	\$147.27		ASRF0015	Data Audit
22163676	Osman, Adam	\$148.96		ASRF0015	Data Audit
22163676	Osman, Adam	\$15.40		ASRF0015	District Meeting
22163678	Parker, Adam	\$49.94		ASRF0014	San Survey, District Meeting
22163678	Parker, Adam	\$68.36		ASRF0014	San Survey, District Meeting
22163678	Parker, Adam	\$136.41		ASRF0014	Water Licensing Test Proctor
22163678	Parker, Adam	\$109.31		ASRF0014	San Survey, District Meeting
22163678	Parker, Adam	\$12.00		ASRF0015	District Meeting
22163678	Parker, Adam	\$51.76		ASRF0015	Greenwich Center and District Meeting
22163678	Parker, Adam	\$61.09		ASRF0015	District Meeting/sanitary survey
22163678	Parker, Adam	\$81.05		ASRF0015	Sanitary survey/Madison County calibration checks
22163678	Parker, Adam	\$157.95		ASRF0015	Water Licensing Test Proctor
22106202	Pike, Samantha		\$327.48	ASRB0014	AWRC Conference
22105615	Prioleau, Alicia	\$122.24		ASRF0014	ADH Compliance Course Training
22105615	Prioleau, Alicia	\$294.80		ASRF0014	ARWA Conference
22105615	Prioleau, Alicia	\$103.51		ASRF0014	ADH Compliance Course Training
22105615	Prioleau, Alicia	\$120.58		ASRF0015	ADH Compliance Course Training
22105615	Prioleau, Alicia	\$252.23		ASRF0015	Compliance training
22105615	Prioleau, Alicia	\$137.24		ASRF0015	Compliance training
22105615	Prioleau, Alicia	\$109.67		ASRF0015	Compliance Training

Position #	Name	CH 02	CH 09	Internal Order Code	Description
22105615	Prioleau, Alicia	\$265.42		ASRF0015	AWWWEA Conference
22105425	Puckett, Randall		\$357.07	ASRB0014	AWRC Conference
22106024	Roberts, Chris	\$862.20		ASRF0014	AWOP Meeting
22106024	Roberts, Chris	\$494.54		ASRF0015	AWOP Meeting
22106024	Roberts, Chris	\$150.25		ASRF0015	Data Audit
22106823	Routh, Darcia		\$334.37	ASRB0014	AWRC Conference
22106823	Routh, Darcia	\$145.32		ASRB0014	Forests & Drinking Water Forum
22106823	Routh, Darcia		\$986.88	ASRB0015	AWWA Meeting, Ill. River WS Part, ADEQ Conference
22106823	Routh, Darcia	\$230.21		ASRB0015	EPA 5 State Meeting
22106823	Routh, Darcia		\$1,378.54	ASRB0015	ASDWA Conference
22105580	Saunders, Gerald	\$15.00		ASRF0014	District Meeting
22105580	Saunders, Gerald	\$15.00		ASRF0015	District Meeting
22105580	Saunders, Gerald	\$20.00		ASRF0015	District Meeting
22163677	Stacy, William	\$15.00		ASRF0014	District Meeting
22163677	Stacy, William	\$15.00		ASRF0014	District Meeting
22163677	Stacy, William	\$15.00		ASRF0015	District Meeting
22163677	Stacy, William	\$20.00		ASRF0015	District Meeting
22105489	Starling, Stan	\$16.87		ASRF0014	District Meeting
22105489	Starling, Stan	\$17.27		ASRF0014	District Meeting
22105489	Starling, Stan	\$135.68		ASRF0014	Water Licensing Test Proctor
22105489	Starling, Stan	\$433.46		ASRF0014	ARWA Conference
22105489	Starling, Stan	\$24.85		ASRF0014	District Meeting
22105489	Starling, Stan	\$18.50		ASRF0015	District Meeting
22105489	Starling, Stan	\$20.97		ASRF00115	District Meeting
22105489	Starling, Stan	\$45.75		ASRF0015	Sanitary Survey & Admin. Wtr Op Exam
22105489	Starling, Stan	\$17.96		ASRF0015	District Meeting
22105489	Starling, Stan	\$18.09		ASRF0015	District Meeting
22105489	Starling, Stan	\$187.15		ASRF0015	Compliance training/sanitary surveys
22105489	Starling, Stan	\$79.22		ASRF0015	Compliance training/sanitary surveys
22105489	Starling, Stan	\$17.41		ASRF0015	District Meeting
22105489	Starling, Stan	\$19.07		ASRF0015	District Meeting
22105489	Starling, Stan	\$243.71		ASRF0015	AWWA/WEA Conference
22105489	Starling, Stan	\$19.07		ASRF0015	District Meeting
22105489	Starling, Stan	\$124.28		ASRF0015	Compliance course and District Meeting
22105224	Stone, Jeff		\$226.24	ASRB0014	AWRC Conference
22105224	Stone, Jeff	\$440.10		ASRC0015	EPA 5 State Meeting
22105224	Stone, Jeff		\$1,746.79	ASRC0015	ASDWA Conference
22109951	Talley, Chris	\$15.25		ASRF0014	District Meeting
22109951	Talley, Chris	\$15.25		ASRF0014	District Meeting
22109951	Talley, Chris	\$15.25		ASRF0015	District Meeting.
22109951	Talley, Chris	\$16.01		ASRF0015	District Meeting
22109951	Talley, Chris	\$17.66		ASRF0015	District Meeting
22105585	Thompson, Raymond	\$51.03		ASRF0014	San Survey, District Meeting
22105585	Thompson, Raymond	\$65.81		ASRF0014	San Survey, District Meeting
22105585	Thompson, Raymond	\$21.07		ASRF0014	District Meeting
22105585	Thompson,	\$16.43		ASRF0015	District Meeting & Flat Tire

Position #	Name	CH 02	CH 09	Internal Order Code	Description
	Raymond				
22105585	Thompson, Raymond	\$58.49		ASRF0015	Two Ton SWTP Evaluation & ASCE NW meeting
22105749	Treadway, Greg	\$1,602.21		ASRC0015	EPA data management conference
22106189	Youngblood, Stephen	\$70.34		ASRF0014	Data Audit & San Survey
22106189	Youngblood, Stephen	\$18.52		ASRF0014	District Meeting
22106189	Youngblood, Stephen	\$106.08		ASRF0015	District Meeting/Complaint Investigation
22106189	Youngblood, Stephen	\$114.86		ASRF0015	Technical Assistance
22106189	Youngblood, Stephen	\$16.00		ASRF0015	District Meeting