



ALABAMA



CLEAN WATER STATE REVOLVING FUND
FISCAL YEAR 2018 ANNUAL REPORT

AS OF SEPTEMBER 30, 2018

PLEASE NOTE that this report does not constitute nor is it suitable for use as an official financial statement. This report is not prepared by an independent auditor or accountant, and is provided for informational purposes only.

Alabama Clean Water SRF Annual Report – FY 2018

Table of Contents

- I. **Introduction**

- II. **Executive Summary**

- III. **Goals and Accomplishments**
 - A. Short Term Goals and Accomplishments
 - B. Long Term Goals and Accomplishments

- IV. **Details of Accomplishments**
 - A. Fund Financial Status
 - B. Assistance Activity
 - C. Provisions of the Operating Agreement/Grant Conditions

- V. **Program Changes**
 - A. Comparison with the Intended Use Plan
 - B. Modifications of Goals and Objectives

- VI. **State Grant Program (Non SRF)**

- VII. **Proposed Improvements**
 - A. Modification of the Program

Exhibits:

- Exhibit 1: Binding Commitments
- Exhibit 2: CWSRF Loan Summary
- Exhibit 3: CWSRF Loans Without Binding Commitments
- Exhibit 4: CWSRF Flow of Funds Chart
- Exhibit 5: CWSRF Construction Payments
- Exhibit 6: Cash Draws from CWSRF Capitalization Grants
- Exhibit 7: Assistance by EPA Need Category
- Exhibit 8: CWSRF Administrative Fees Information
- Exhibit 9: Long Term Cash Flow Projections
- Exhibit 10: MBE/WBE Goals/Contract Summary
- Exhibit 11: Loan Repayments
- Exhibit 12: CWSRF Intended Use Plan

I. Introduction:

The State of Alabama herewith submits its Clean Water State Revolving Fund (CWSRF) Annual Report for fiscal year 2018 (October 1, 2017 through September 30, 2018). This Report describes accomplishments of the State of Alabama as related to the goals and objectives of its Clean Water State Revolving loan program for fiscal year 2018 as identified in the final Intended Use Plan (IUP).

II. Executive Summary:

Fiscal year 2018 was the twenty ninth year of operation of the Alabama Water Pollution Control Authority and the Clean Water State Revolving Fund (CWSRF) Loan Program. The FY 1989-FY 2017 programs were detailed in previous Annual Reports.

Alabama received its FY 2018 EPA Title VI Capitalization Grant on September 18, 2018 in the amount of \$17,948,000. No state match funds were appropriated (cash match) for this grant. The state match requirement \$3,589,000 was satisfied by carryover match from prior years' programs. ADEM will utilize 1/5 percent of the total new position, \$897,358 for administrative costs and the remaining net to fund direct loans. The Authority will issue additional state match bonds to satisfy future grants.

As of the close of the FY 2018 annual reporting period, none of the FY 2018 EPA capitalization grant funds had been drawn. All construction grant funds will be committed to make direct loans to members of the FY 2018 IUP priority list.

Limitations imposed by the State Constitution on the use of General Funds required that the State match appropriation not be used as either collateral or subsidy for the Authority bonds. The State match cash was, therefore, used exclusively to directly fund expenditures for the construction of eligible wastewater treatment works.

Loan Agreements

During FY 2018 loan agreements (binding commitments) with six (6) borrowers totaling \$25,315,000 were executed. All were from the FY 2016 and FY 2017 Intended Use Plans. These loans are enumerated in Exhibit 1. Execution of the binding commitments with borrowers is scheduled to ensure that CWSRF funds are available as needed for construction. A detailed breakdown of the components of each of loan is provided in Exhibit 2. All FY 2018 project loans are expected to be executed in the first two quarters of FY 2018.

Disbursements

CWSRF loan assistance totaling \$71,695,507.56 was dispersed to CWSRF recipients during the fiscal year. Exhibit 5 details these dispersals.

Grant Draws

A total of \$14,225,390.53 was drawn from EPA capitalization grants for construction during the fiscal year. Exhibit 6 details these dispersals.

As in previous programs, the FY 2018 program considered dividing projects into separate funding groups according to credit quality. Typically, the most cost-effective strategy is to have two financing pools; one funded from bond proceeds and the other funded as direct loans from a combination of an EPA capitalization grant, assets in the Master State Revolving Fund and the State Match Cash, interest earnings and loan repayments. This year, however, sufficient grant funds and interest earnings were available to fund the entire priority list. Therefore, no new bonds will be issued for these projects. The match for the FY 2018 capitalization grant will come from excess state match bonds issued in previous years.

During the fiscal year, the Authority and ADEM continued fulfillment of the "first use" requirements of Title VI of the Clean Water Act. All Alabama projects on the National Municipal Policy List have initiated construction of improvements designed to ensure that water quality standards are met or are under an enforceable schedule to do so.

By the close of FY 2018, all NMP related projects in Alabama had initiated (and completed) construction. Accordingly, all NMP commitments have been fulfilled.

All projects receiving financial assistance from the FY 2018 Alabama CWSRF program meet the definition of eligible treatment works under Section 212 of the Clean Water Act and Section 319 eligibility.

III. Goals and Accomplishments:

A. Short Term Goals and Accomplishments

In its Intended Use Plan, the State of Alabama described short term goals to be implemented during the fiscal year. The State has made significant progress toward the successful completion of these goals:

1. To provide CWSRF assistance to the extent there are sufficient eligible project applications, not less than 10% of the CWSRF Capitalization Grant for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. These four categories of projects are the components of the Green Project Reserve.

The Department actively solicited for green infrastructure projects for 2018. This solicitation included a notice posted on the ADEM website as well as notices sent to approximately 1,000 addresses on the departments e-mail and direct mail list. The Department identified projects on the 2018 IUP that meet these criteria and anticipate funding green projects for approximately \$2.3M

2. To provide CWSRF loans with additional subsidization in the form of principal forgiveness for not less than 10% of the CWSRF Capitalization Grant. (\$1,794,800)

The Department is in the process of meeting this goal by allocating a total of \$1,810,000 in principal forgiveness to be distributed amongst five different borrowers during FY2018.

3. To implement the State's CWSRF in compliance with Title VI of the Clean Water Act and to ensure conformance with Federal crosscutting issues as required by the 1987 Clean Water Act amendments.

All Alabama CWSRF projects are required to either be included in the EPA FNSI review process or complete the State Environmental Review Process (SERP) prior to the disbursement of CWSRF funds. All CWSRF funded projects have either successfully completed the required environmental reviews or are currently under review.

4. To ensure compliance with the "first use" requirements which require that CWSRF assistance be available to projects which are members of the National Municipal Policy (NMP) universe; projects which have legally enforceable compliance schedules.

During the fiscal year, the Authority and ADEM continued fulfillment of the "first use" requirements of Title VI of the Clean Water Act. All Alabama projects on the National Municipal Policy List have completed construction of improvements designed to ensure that water quality standards are met.

5. To achieve statewide compliance with Federal and State water quality standards, particularly with the NMP as rapidly as possible.

Using the same method established to prioritize projects for the EPA Construction Grants program, projects which are noncompliant with NPDES effluent limits are given funding preference and are encouraged by both the availability of financial assistance and the possibility of administrative orders and sanctions to achieve compliance as rapidly as possible.

6. To protect the public health and the environment and promote the completion of cost effective wastewater treatment facilities.

The method used in drafting the project priority list and the state review of planning documents submitted with CWSRF loan applications and pre-applications promotes the protection of the public health and the environment with the funding of cost-effective POTWs.

B. Long Term Goals and Accomplishments

In its Intended Use Plan, the State of Alabama described seven long-term goals to be implemented during FY 2018. The State continues to make progress toward the successful completion of these goals:

1. To maintain the SRF program and the fiscal integrity of the fund.

In its administration of the CWSRF program, the State of Alabama has considered the long-term fiscal health of the CWSRF. Due to revenue shortfalls in the General Fund no State Match was appropriated in FY 2018. With the addition of underfunding of State Match of \$3,589,600 this fiscal year; the cumulative shortfall through FY 2018 in State appropriations totals \$69,487,496. In order to meet the requirements of the EPA Capitalization Grant Agreement, the Authority has sold bonds ("leveraged") for the balance of the required matching funds. EPA staff reviews and approves application of this process to assure compliance with the Title VI regulations. Demonstration of compliance with the Act relative to the use of State Match Bonds is achieved by provision of calculations that show that the loan interest repayments are sufficient to amortize the principal and interest payments for the State Match Bonds.

The Authority continues to set a loan interest rate approximately 1-1.5% less than the most advantageous rate commonly available to municipalities: 2.2% for the FY 2018 project priority list. The Department's experience with the program indicates that this is a sufficient incentive to seek CWSRF financing for eligible treatment and transport works.

2. To provide a self-perpetuating source of low interest loans for the construction of public wastewater treatment and transport facilities needed to meet water quality standards and provide capacity for future growth.

Alabama's CWSRF is designed to be a perpetual source of low cost financial assistance for the construction of public wastewater treatment and transport facilities needed to meet water quality standards and provide capacity for future growth. Once ultimate capitalization has been achieved, the program may utilize the direct loan repayments, undedicated interest from the bond debt service reserve funds in addition to construction funds and assets of the Master State Revolving Account as the source funds to support bond issues and/or to fund direct loans. Exhibit 9 details the latest projections of the CWSRF's future cash flows. As of September 30, 2018, the Master State Revolving Fund (MSRF) had a balance of approximately \$223,942,889.04

In recent years the State has accelerated use of the MSRF assets to meet the EPA's requirement that CWSRF funds be used in a timely and expeditious manner. As a result, the pace of direct loan issuance has been accelerated. Using CWSRF assets in this manner decreases the issuance of debt (bonds), provides for increased loan repayments that may be recycled into future loans, and reduces the balance of the Master SRF account.

3. To assure that all Municipal NMP facilities achieve compliance as soon as possible.

All of Alabama's NMP facilities are either in compliance or are on an enforceable compliance schedule with construction underway.

4. To assure that all municipal facilities achieve compliance with final effluent limits as soon as possible.

The Alabama CWSRF is funding five projects during FY2018 to address treatment compliance.

5. To assist in the maintenance of water quality standards wherever such standards are adversely affected by municipal wastewater point sources.

All projects including wastewater treatment facilities are intended to achieve and maintain water quality standards in the receiving waters. Improvements in water quality are expected from both upgrades in the treatment level of wastewater treatment facilities and the elimination of sewer bypasses related to inadequate hydraulic capacity in treatment and transport systems.

6. To meet public health and environmental needs of those communities with malfunctioning on-site treatment systems that are either identified as a health hazard by the State Health Department or adversely affect water quality.

Both the method used in drafting the project priority list and the state review of CWSRF loan applications promote protection of the public health and the environment by first providing financial assistance to projects that address the most critical needs. All of this year's projects address deficiencies in wastewater treatment and transport facilities, inadequate collection, or failing on-site treatment systems.

IV. Details of Accomplishments

A. Fund Financial Status

1. Binding Commitments

Since the inception of the Alabama Clean Water State Revolving Fund in 1989, 268 binding agreements had been executed for a total amount of \$1,290,926,390 at the close of FY 2018. Exhibit 1 details the binding commitment dates and amounts for each loan closed this fiscal year.

2. Sources of Funds

The sources of funds used to provide loans during FY 2018 were the EPA Capitalization Grant, loan repayments and interest earnings.

Exhibit 2 provides a loan summary including the funding source and funding breakdown for loans executed during the year.

CWSRF loan repayments of \$52,370,540.38 were received in the fiscal year. Exhibit 11 provides detailed information on loan repayments to the Alabama CWSRF.

A FY 2018 EPA Title VI Capitalization Grant of \$17,948,000 was awarded to the Department. No state match funds were appropriated (cash match) for this year's grant. The State of Alabama will utilize previously issued state match revenue bonds in order to provide the 20 percent match requirement \$3,589,600

No grant funds were reserved for transfer from either the DWSRF or the CWSRF program for FY 2018.

Grant Equivalency Loan: The Arab Sewer Board (\$8,275,000), City of Tuscaloosa ((\$8,500,000), and the City of Tallassee (\$4,975,000) loans will be used for grant equivalency.

3. Disbursements and Guarantees

Exhibit 5 shows total disbursements of \$71,695,507.56. Over the life of the program a total of \$1,179,488,493 has been disbursed. As detailed by Exhibit 6, construction draws from EPA Capitalization Grants totaled \$14,225,390.53

The table below details ADEM's CWSRF Administrative costs that was obligated from the 4% administrative set-aside from the federal capitalization grants.

CWSRF Administrative Costs: 4% Set-Aside

	CWSRF Grant
Salaries	\$215,120.56
Fringe	\$77,317.76
Travel	\$1,694.51
Professional Services	\$2,549.54
Supplies/Equipment	\$2,983.00
Total Direct Costs	\$299,665.37
Indirect Costs	\$96,944.68
Total	\$396,610.05

The FY 2018 administrative fee collected from loan recipients on the basis of 0.75% of the outstanding loan principal was \$2,526,822.07. This administrative fee is used first to pay the trustee expenses associated with administering the CWSRF; the remainder supports water quality based activities such as NPDES permitting/enforcement and water quality studies. See Exhibit 8 for an accounting of the administrative fee charged of recipients during FY 2018.

This fee is received by ADEM when semi-annual loan payments become due (February 15 and August 15). All fees collected as a result of open grants are held separately and used only for the administration of the CWSRF. The State of Alabama earmarks certain loans in an amount equal to the capitalization grant for this purpose.

The table below shows the expenses charged to the fee account during FY 2018.

<u>FY 2018 CWSRF Admin Expenses from 0.75% Loan Fee</u>	
Salaries:	\$1,165,621.74
Fringes:	\$476,765.16
Travel:	\$14,307.67
Professional Services:	\$65,293.29
Supplies, Misc.:	\$12,182.76
Equipment:	\$16,546.74
Total Direct Costs:	\$1,750,171.36
Indirect Costs	\$1,118,895.93
Total	\$2,869,613.29

4. Financial Statements

The most recent audit of Alabama's CWSRF (through FY 2017) revealed no material weaknesses in the program. A copy of this audit was submitted to EPA. EPA will receive a copy of the FY 2018 audit when it is available.

5. Credit Risk of the SRF

The financial status and credit quality of the loan recipients are reviewed both internally and by the CWSRF Financial Advisor. The credit risk assessment and rating process is crucial in determining the financial capability of the potential borrowers.

The basic procedures involved in the determination of the credit quality of the loan recipients are:

- reviewing the applicant's existing bond rating
- determination of outstanding debt
- verification of the presence and sufficiency of a
- dedicated source of revenue for repayment of the loan demographics of the recipients' service area

The FY 2018 project list is comprised of direct loans only.

A financial capability analysis is performed on all communities in order to determine whether or not they represent a significant risk of default. Assistance is provided only to communities that pass this analysis and, if necessary, agree to additional credit security pledges, including the full faith and credit of the community or specific revenue pledges.

In order to maintain the fiscal integrity of the CWSRF, the Authority cannot loan funds to municipalities that do not have the means to repay their loan.

B. Assistance Activity

During FY 2018, loan agreements (binding commitments) with six (6) borrowers totaling \$25,315,000 were executed. These loans are enumerated in Exhibit 1. The loans were originated from sources such as interest earnings, loan repayments, and capitalization grant funds.

Since the CWSRF's inception in FY 1989, loans have been executed for \$1,290,926,390 to 268 loan recipients. The loan agreements will be executed on a schedule designed to ensure that CWSRF funds are available as needed for construction.

Included in Exhibit 1 is a summary for FY 2018 which details each project, project number, assistance amount, binding commitment date, and the type of assistance being provided.

The interest rate associated with the FY 2018 IUP projects will be 2.2%. The interest rate reflects the condition of the market for tax-exempt bonds at the time that Authority Bonds were last sold.

Exhibit 2 is a breakout of the FY 2018 CWSRF projects. The project fund, capitalized interest, finance expenses, local cost of loan closing and loan discount are shown for each project.

Exhibit 3 details the FY 2018 loans associated with the 2018 Capitalization Grant which have not closed as of September 30, 2018.

Exhibit 4 is the CWSRF Flow of Funds Chart that details the movement of funds in the CWSRF.

Exhibit 5 details the disbursements from the CWSRF at the project level and by fiscal year for each year's program.

Exhibit 6 relates to cash draws from the Federal Capitalization Grants.

Exhibit 7 shows the assistance amount provided by EPA Needs Survey category.

Exhibit 8 presents information on the 0.75% administrative fee.

Exhibit 9 includes the long-term cash flow projections for the Alabama CWSRF. These cash flows incorporate the loans already made by the Authority and those projected to be offered and show how the CWSRF Master Fund revolves perpetually.

Exhibit 10 provides data relative to achievement of EEO/MBE/WBE goals in the award of construction contracts funded by the Alabama CWSRF.

Exhibit 11 details the yearly repayments of CWSRF loans through the close of the fiscal year.

C. Provisions of the Operating Agreement and Grant Conditions

The State of Alabama agreed to a number of conditions in the Operating Agreement and Grant Agreement. Eleven conditions have been met and are more fully described below. The following nine conditions have been met as described in the operating and grant agreements and need no further description:

- Agreement to Accept Payments
- State Laws and Procedures
- State Accounting and Audit Procedures
- Use of the Federal Capitalization Grant funds
- Repayments
- Annual Audit
- Annual Report
- Annual Review

The following conditions have been met and are described more fully in detail below:

1. Provide a State Match

A total of \$3,589,600 in State Match funding is required to meet the 20% state match requirement associated with the FY 2018 capitalization grant. The Alabama Legislature did not appropriate funds for CWSRF State Match from the General Fund. The state match requirement will be satisfied by previously by the issued state revenue bonds. These funds will be expended for eligible project costs submitted by members of the FY 2018 project list.

Due to revenue shortfalls in the General Fund, the FY 1991-2018 State Match appropriations have been underfunded by a cumulative total of \$69,487,496. In order to meet the requirements of the EPA Capitalization Grant Agreements, the Authority has sold revenue bonds to obtain the required matching funds.

2. Binding Commitments Within One Year

The State of Alabama entered into binding commitments to provide assistance from the CWSRF in amounts equal to or greater than 120 percent of each quarterly grant payment.

3. Expeditious and Timely Expenditure

As detailed by Exhibit 5, the Alabama CWSRF disbursed \$71,695,507.56 in payments to loan recipients through the end of the fiscal year. CWSRF projects have progressed in an expeditious and timely manner to start construction. The Alabama Department of

Environmental Management is also monitoring the projects to ensure timely initiation of operations in accordance with the established schedules. ADEM and the Trustee are disbursing loan funds in a timely manner when presented with valid pay requests.

In order to ensure that the loan repayment stream necessary to meet the financial obligations of the bond issue is met, the Special Conditions Loan Agreement, the legal document which commits CWSRF funds to a particular project, explicitly specifies the date on which loan repayments are to commence, regardless of the status of construction completion. Additionally, federal tax laws that govern the use of proceeds from the sale of tax-free bond issues require that 95% of such proceeds be disbursed no later than 3 years after the issuance of the bond. For these reasons the State has a vital interest in providing for the timely expenditure of CWSRF funds.

4. First Use of Funds for Enforceable Requirements

The State of Alabama has met the first use requirement by providing funding to all NMP projects which applied for CWSRF assistance. All NMP projects that did not receive SRF assistance were funded by other means (EPA, CDBG, FmHA/RDA, EDA grants or local funds).

5. Eligible Activities of the SRF

Amendments to the IUP list of projects to be funded are included in Section V.

6. Compliance with Title II Requirements

Exhibit 1 notes all projects that meet the Title II equivalency requirements. There have been a total of 51 projects totaling \$230M funded under the Title II requirements since inception of the program.

The total cumulative Equivalency funding amount to date is \$230M while the terms of the FY89-FY94 capitalization grant agreements specify a total Equivalency requirement of \$101M. The balance in excess of the required minimum, \$129M, is banked toward meeting future years' requirements should they arise.

7. MBE/WBE Requirements

All CWSRF borrowers are required to comply with the Civil Rights Act of 1964 and 1990, Executive Order 11246 (Equal Employment Opportunity), and Executive Orders 11625 and 12138 (MBE/WBE). Each borrower must implement the six affirmative steps to attain "fair share" goals and ensure that its prime contractors also comply. "Fair share goals" for the state were renegotiated with EPA and new attainable goals went into effect October 1, 2014. The DWSRF capitalization grant specifies that the State require loan recipients to make a good faith effort to achieve 2.5% MBE and 3.0% WBE participation for construction contracts.

The State of Alabama has submitted Standard Form 5700-20A to EPA Region IV for their review on a quarterly basis to document efforts toward achieving MBE/WBE objectives and will continue to do so.

MBE contracts for CWSRF Projects awarded totaled **\$1,724,107.21 (3.5%)**, while WBE participation totaled **\$420,315.75 (0.8%)**. Total DBE total Participation was **\$2,144,422.96**

(4.3%). The Department continues to ensure the loan applicants and contractors and suppliers make and document a good faith effort to meet the goals.

8. Other Federal Authorities

The State of Alabama and all recipients of CWSRF funds made directly available by the capitalization grant have complied with applicable federal authorities (federal crosscutters). Recipients of CWSRF assistance agreed to do this in the loan agreement between the recipient and the Authority. Additionally, projects required to complete the State Environmental Review Process (SERP) have done so in a manner consistent with the crosscutting requirements.

9. State Environmental Review Process

The Department conducts environmental reviews on all funded Section 212 projects in accordance with the State Environmental Review Process (SERP). Environmental Assessments (EA) have been prepared and a Finding of No Significant Impact (FNSI) or Categorical Exclusion (CE) issued for each project not already covered by a Title II Finding of No Significant Impact (FNSI).

10. Cash Draw Procedures

The State has drawn cash from the Federal Capitalization Grants in a manner consistent with the Capitalization Grant Agreements. Exhibit 6 details the date and amount of these draws.

11. Disbursement Schedule/Commitment

Exhibit 10 details the actual and projected disbursements from the SRF for funded projects and cash draws from the federal capitalization grants. Also included are the actual and projected disbursements for the FY 1989-2018 project lists.

The rate of cash draws from the FY 2018 Federal Capitalization Grant will be based on the dollar-for-dollar draws of direct loan projects. Consistent with EPA policy, draws from the federal grant for these direct loan projects are required to be proportional to the disbursement of state match funds to borrowers for eligible project costs. The state intends to manage its disbursements to borrowers to insure that state funds are spent first in order to ensure that the proportionality requirement is met expeditiously. This technique is necessary to ensure that direct loan borrowers funded from the federal capitalization grant are able to receive requisitioned funds in a timely manner.

Fully liquidating the FY 2018 Federal Capitalization Grant is projected to take two quarters. If projects progress faster (or slower) than expected, the rate of cash draws from the Federal Capitalization Grant will also change.

V. Program Changes:

A. Comparison with the Intended Use Plan

The FY 2018 Intended Use Plan included a Fundable Project Priority List of ten projects totaling \$49,939,000M.

Because Alabama utilizes a leveraged loan program and now has substantial assets available in the Master SRF Fund, the program anticipates being capable of funding all projects that apply for funds and are able to demonstrate the ability to meet the financial, technical and environmental review requirements of the program.

B. Modification of Goals and Objectives

The basic goals and objectives of the Alabama CWSRF are not expected to vary from those stated previously. The Department will seek to execute the procedures necessary to meet the program goals in an expeditious manner in subsequent programs.

VI. State Grant Program (Non-SRF)

VII. Proposed Improvements:

A. Modification of the Program

FY 2018 was the twenty ninth year of operation of Alabama's CWSRF loan program. Additional staff has been put in place and ongoing training is being provided locally and through the assistance of EPA and the CIFA organization to further the management and operation of the CWSRF program.

Exhibits

Exhibit 1 - Binding Commitments

Project Name	Project #	Bind Date	Completion Date	Loan Amount	Repay Date	Interest Rate	Funds Source	IUP FY
Dadeville Water, Sewer, and Gas Board WWTP Headworks	CS010867-01	10/15/2017	3/1/2018	\$195,000	8/15/2018	2.20%	DL:EPA	2016
Floralia Sewer Collection Improvements (Supp)	CS010846-03	12/1/2017	12/30/2017	\$125,000	2/15/2018	2.20%	DL:EPA	2016
Prattville Pine Creek and Autauga Creek WWTP Improvements	CS010254-11	2/15/2018	9/1/2019	\$17,000,000	8/15/2018	2.20%	DL:EPA	2017
Gurley WWTP Improvements	CS010871-01	3/1/2018	12/31/2018	\$505,000	2/15/2019	2.20%	DL:EPA	2017
Andalusia Sewer System Improvements	CS010298-08	6/1/2018	6/1/2019	\$6,975,000	8/15/2019	2.20%	DL:EPA	2017
Grand Bay Sewer Improvements	CS010811-04	7/1/2018	12/1/2018	\$515,000	2/15/2019	2.20%	DL:EPA	2017
6 Loans			Total Loan Amount:	\$25,315,000				

Note: "Funds Source" designates the source of loan funding, e.g.:

DL:EPA = Direct Loan funded by the Master State Revolving Fund and the EPA Grant

Exhibit 2 - CWSRF Loan Summary

Project Name	IUP FY	Project Amount	GPR Amount	Principal Forgiveness	Finance Expense	Cap Interest	Loan Amount
Dadeville Water, Sewer, and Gas Board WWTP Headworks	DL:EPA	\$184,424.83	\$0	\$90,000	\$10,000	\$575	\$195,000
Florala Sewer Collection Improvements (Supp)	DL:EPA	\$114,853.99	\$0	\$0	\$10,000	\$146	\$125,000
Prattville Pine Creek and Autauga Creek WWTP Improvements	DL:EPA	\$16,990,000.00	\$0	\$200,000	\$10,000	\$0	\$17,000,000
Gurley WWTP Improvements	DL:EPA	\$491,314.58	\$0	\$0	\$10,000	\$3,685	\$505,000
Andalusia Sewer System Improvements	DL:EPA	\$6,847,640.62	\$0	\$500,000	\$10,000	\$117,359	\$6,975,000
Grand Bay Sewer Improvements	DL:EPA	\$501,888.54	\$0	\$0	\$10,000	\$3,111	\$515,000
6 Loans		\$25,130,122.56	\$0.00	\$790,000.00	\$60,000.00	\$124,877.44	\$25,315,000.00

Note: "Funds Source" designates the source of loan funding, e.g.:

DL:EPA = Direct Loan funded by the Master State Revolving Fund and the EPA Grant

GPR Amount: Water and Energy Efficiency, Green Infrastructure and Environmentally Inovative Projects

Exhibit 3 FY 2018 Loans Without Binding Commitment as of 9/30/2018

IUP FY	Project Name	Project Amount	GPR	Principal Forgiveness
2018	Arab Wastewater System Improvements	\$8,456,243	\$0	\$0
2018	Russellville WWTP UV Disinfection Upgrade	\$650,175	\$650,000	\$325,000
2018	Fort Payne WWTP Upgrades & Collection System Extension	\$8,347,000	\$36,000	\$225,000
2018	Spanish Fort Wakefield Canal Restoration	\$461,300	\$460,000	\$230,000
2018	Midland City Sewer Rehabilitation	\$1,500,000	\$0	\$0
2018	Saraland Drainage Project for 1st & 2nd Avenues and Craig Drive	\$4,001,158	\$0	\$325,000
		\$23,415,877		

Summary for FY 2018 (19 Loans)

Alabama CWSRF Flow of Funds

The attached flowchart and narrative are intended to illustrate the relationship between various accounts of the CWSRF and the Federal and State capitalization funds. Please note that the attached flowchart attempts to describe the functions and interrelationships between general types of accounts within and related to the State's CWSRF program; the Authority Bond Indentures exactly define accounts of and related to the CWSRF. The accounts "inside the CWSRF" are within the large rectangular box on the flowchart. Other associated accounts, such as the Trustee Bank's and the State's Administrative Fee Fund accounts derived from the loan recipient assessments are outside the CWSRF.

1: **Debt Service Reserve**: This account is funded from bond proceeds. It is used to ensure that defaults by borrowers (loan recipients) do not cause a default in bond principal and interest payments to the CWSRF bond holders and thus serves as security for the CWSRF bondholders.

The required funding level for this account is determined by an analysis of the aggregate credit quality of the CWSRF loan recipients funded by the bond proceeds. The credit quality analysis of the borrowers and the determination of the required level of collateralization is performed by the Authority's Financial Advisor in conjunction with bond insurance and rating services (AMBAC, Moody's, S&P) prior to the issuance and sale of bonds.

In the CWSRF program EPA has not allowed collateral required for the State Match bonds to be derived from the Federal Capitalization grant. State Match bonds are collateralized from sources other than the federal capitalization grant; namely, by bond proceeds. This procedure will serve as a model for future instances where borrowing for shortfalls in the State Match appropriation are required, subject to concurrence by EPA.

2: **Capitalized Interest Fund**: Since holders of CWSRF bonds must begin receiving payments from the CWSRF within 6 months after the sale of the Authority's bonds, and thus prior to the time that repayments of the CWSRF loans by the funded projects typically begin, funds are required to meet this obligation. The Capitalized Interest Fund is used for this purpose. This fund uses bond proceeds as its source.

3: **Bond Pool Project Fund**: This account holds funds derived from the sale of bonds that are disbursed to the Bond Pool SRF loan recipients for eligible project costs. The funds in the Bond Pool Project Fund consist of bond proceeds and/or State matching funds (both appropriated and leveraged) and/or funds from the Master Revolving Fund.

Disbursements to Loan Recipients of the Bond Pool Project Fund for eligible incurred costs may justify draws from the Federal Capitalization Grant, if grant funds are pledged to the Additional Reserve Account. In this situation, draws from the ACH are calculated on the basis of a "Leveraging Ratio." The Leveraging Ratio is calculated by dividing the amount that will be disbursed to the Bond Pool Loan Recipients by the portion of the ACH required for security in the Additional Reserve Account. The total amount of the ACH draws incurred on behalf of the Bond Pool Loan Recipients is limited by the Federal Share of the security required for the issuance of the Bonds. The ACH draws are proportional to the disbursements to the Loan Recipients for incurred eligible costs and the Federal Share of the security for the Bonds.

Interest earned on the Project Fund is not typically pledged to specific projects at the time that the bonds are sold; the Project Fund is not "net funded." Interest earnings on the Bond Pool Project Fund are normally used to make direct loans. Direct loans made from interest earnings on the Bond Pool Project Fund are typically pledged to the Bond Repayment Fund. In the event of non-

default, the direct loans originated from these interest earnings flow to the Master State Revolving Fund where they may then be recycled into direct loans, or used to fund the ARA of a future bond issue.

In order to comply with Federal tax law relative to tax-free bond issues, the Authority is required to restrict the yield (investment rate) that is earned on the Bond Pool Project Fund to the rate that is paid to the bond holders (the arbitrage rate). A (tax) rebate calculation is performed annually by an independent accountant on this (and other) bond accounts in order to verify how much, if any, earned interest is in excess of that allowed by Federal tax law (the arbitrage limit) and any excess is rebated to the IRS via the Rebate Fund. Interest that is not "excess" may be used either to redeem bonds or, to make additional direct loans.

4: **Direct Loan Project Fund:** This is the account from which direct loan projects are funded. It may be capitalized from a variety of sources such as the Master SRF Account, the State Match Cash, interest earnings and other sources that are not pledged as security to bond indentures. Cash from the Federal Capitalization Grant flows through this account prior to disbursement to Direct Loan Recipients as these recipients present payment requests to the Department for incurred eligible expenses.

5: **Additional Reserve Account (ARA):** This account may be funded by Federal Capitalization Grant funds or the Master SRF and is used to make up the difference between the payments that are required to amortize the Authority's bonds and the repayments from bond pool loan recipients. This account is yield restricted to the bond arbitrage rate. Non-rebatable interest earnings not required for deposits to the Loan Repayment fund flow to the Master SRF Fund and may be used in subsequent years as a source of capital for making direct loans and/or Additional Reserve Account (ARA) funding.

6: **ADEM Administrative Fee from Federal Capitalization Grant:** States are allowed to retain a maximum of 4% of the Federal Capitalization Grant for administration of the State's SRF program. As costs for these activities are incurred, draws will be made from the Federal Capitalization Grant. This account is outside the SRF.

7: **Bond Repayment Fund:** This fund is a holding account for the payments that are required to amortize the Bonds issued by the Authority. Funds flowing into this account are normally derived from a combination of deposits from the Capitalized Interest Fund, the Additional Reserve Account and from borrowers' loan repayments. Because loan repayments may be deposited prior to the date that the Authority bond holders are scheduled to pay Bond Principal and Interest payments to bondholders, and interest is earned on this account, excess funding may occur, and these excess funds, after passing through the Rebate Fund, ultimately flow to the Master SRF Fund. Additionally, (direct) loan repayments from borrowers funded by interest earnings related to a particular bond issue flow into this fund, and if not required to meet payments to bondholders, flow to the Master SRF.

8: **Rebate Fund:** This account is required by Federal tax laws which restrict the earnings of funds associated with tax-exempt bonds. An independent accountant examines the accounts of the SRF annually and determines whether or not excess interest has been earned and, if so, the amount of the excess interest earnings that must be rebated to the Federal Treasury. Non-excessive interest earnings flow to the Master SRF Fund for use in funding future years' projects.

9: **Master SRF Fund:** The Master State Revolving Fund (MSRF) is an account whose primary purpose is to fund Direct Loans and Additional Reserve Accounts (loan subsidy). It is held by the State Treasurer and earns interest. Sources for revenue for this fund include repayments of direct loans and interest earnings.

10: **Administrative Fee Funds (Trustee & ADEM)**: Borrowers of SRF funds are charged a fee based on a percentage of the outstanding principal balance at the time a payment is due and payable by the borrower. The Trustee Bank and State Treasurer process these administrative fees outside the SRF. This administrative fee fund will be “dedicated to the administrative purposes associated with the SRF program” and is not subject to the 4% cap (of the capitalization grant) for administrative fees “inside the SRF.” These funds are also used to compensate a Trustee Bank for its management of SRF accounts, including the payment of bondholders, the investment of SRF funds and the disbursement of payments to loan recipients.

Exhibit 5 - CWSRF Construction Disbursements

Project Name	IUP FY	Funds Source	Pmt Date	Pmt Amt	Grant Draw
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	10-01-2017	\$46,260.00	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	10-04-2017	\$888,782.70	\$888,782.70
Floralia Sewer Collection Improvements	2015	DL:EPA	10-17-2017	\$70,634.35	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	10-20-2017	\$446,040.37	
Mobile's C.C. Williams WWTF Improvements	2013	DL:EPA	10-25-2017	\$3,973,951.63	
Mobile Various Sanitary Sewer System Improvements	2016	DL:EPA	10-25-2017	\$3,084,074.97	
Mobile Various Sanitary Sewer System Improvements	2016	DL:EPA	10-25-2017	\$2,785,979.28	
Guntersville Eastlake WWTP Improvements	2014	DL:EPA	11-07-2017	\$0.00	
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	11-07-2017	\$136,990.41	
Prattville Woodvale Drainage Canal Restoration	2016	DL:EPA	11-09-2017	\$86,431.98	
Prattville Woodvale Drainage Canal Restoration	2016	DL:EPA	11-09-2017	\$221,315.26	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	11-14-2017	\$448,611.60	\$448,611.60
Fort Payne WWTP Upgrades	2016	DL:EPA	11-15-2017	\$60,525.00	
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	11-15-2017	\$396,372.71	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	11-15-2017	\$590,857.00	\$590,857.00
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	11-15-2017	\$57,956.65	
Floralia Sewer Collection Improvements (Supp)	2016	DL:EPA	11-16-2017	\$30,102.17	
Floralia Sewer Collection Improvements	2015	DL:EPA	11-16-2017	\$107,309.33	
St. Elmo - Irvington Sewer Improvements	2014	DL:EPA	11-17-2017	\$3,115.00	\$3,115.00
Helena WWTP Upgrade	2014	DL:EPA	11-28-2017	\$72,557.00	
Red Bay Sanitary Sewer Improvements	2014	DL:EPA	11-30-2017	\$0.00	
Selma Sanitary Sewer Rehabilitation & Replacement	2014	DL:EPA	11-30-2017	\$298,531.00	
Troy Sanitary Sewer Improvements	2013	DL:EPA	12-11-2017	\$72,048.23	
Brundidge 2016 Sewer System Improvements	2015	DL:EPA	12-11-2017	\$87,167.90	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	12-12-2017	\$232,776.89	\$232,033.08
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	12-14-2017	\$255,846.75	
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	12-20-2017	\$1,036,104.00	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	12-20-2017	\$7,045,258.00	
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	12-22-2017	\$59,398.99	
Prattville Woodvale Drainage Canal Restoration	2016	DL:EPA	01-04-2018	\$62,563.45	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	01-04-2018	\$141,800.61	
Prattville Woodvale Drainage Canal Restoration	2016	DL:EPA	01-05-2018	\$37,949.20	
Hanceville WWTP Solar Energy System	2016	DL:EPA	01-05-2018	\$4,750.00	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	01-11-2018	\$2,425,856.70	
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	01-11-2018	\$22,230.64	\$22,230.64
St. Elmo - Irvington Sewer Improvements	2014	DL:EPA	01-11-2018	\$183,015.84	
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	01-11-2018	\$30,143.61	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	01-16-2018	\$270,494.00	
Prattville North Silver Hills Drainage Canal Restoration	2015	DL:EPA	01-25-2018	\$3,910.10	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	02-08-2018	\$346,102.75	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	02-08-2018	\$149,841.60	
Prattville North Silver Hills Drainage Canal Restoration	2015	DL:EPA	02-13-2018	\$9,000.00	
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	02-21-2018	\$17,531.33	
Red Bay Sanitary Sewer Improvements	2014	DL:EPA	02-22-2018	\$0.00	
Anniston Choccolocco Creek WWTP Improvements	2016	DL:EPA	02-22-2018	\$241,957.76	\$241,957.76
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	02-22-2018	\$719,209.05	\$719,209.05
Selma Sanitary Sewer Rehabilitation & Replacement	2014	DL:EPA	02-22-2018	\$253,393.98	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	02-23-2018	\$2,090,293.49	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	02-28-2018	\$2,715,438.06	\$2,715,438.06
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	02-28-2018	\$191,444.17	
Floralia Sewer Collection Improvements (Supp)	2016	DL:EPA	02-28-2018	\$48,148.50	\$48,148.50
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	03-05-2018	\$229,093.89	\$229,093.82
St. Elmo - Irvington Sewer Improvements	2014	DL:EPA	03-08-2018	\$79,564.51	
Madison WWTP Headworks & Secondary Treatment Improvements	2013	DL:EPA	03-12-2018	\$2,083.20	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	03-12-2018	\$329,135.50	\$329,135.50
St. Elmo - Irvington Sewer Improvements	2014	DL:EPA	03-12-2018	\$142,934.46	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	03-13-2018	\$91,850.40	

Project Name	IUP FY	Funds Source	Pmt Date	Pmt Amt	Grant Draw
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	03-14-2018	\$96,000.00	
Prattville North Silver Hills Drainage Canal Restoration	2015	DL:EPA	03-30-2018	\$120,547.80	
Prattville North Silver Hills Drainage Canal Restoration	2015	DL:EPA	03-30-2018	\$59,688.10	
Andalusia Sanitary Sewer Improvements	2013	DL:EPA	03-30-2018	\$6,322.49	\$6,322.49
Dadeville Water, Sewer, and Gas Board WWTP Headworks	2016	DL:EPA	04-02-2018	\$18,000.00	\$18,000.00
Rogersville Sewer System Improvements	2015	DL:EPA	04-05-2018	\$2,903.54	\$2,903.54
Rogersville Sewer System Improvements	2015	DL:EPA	04-05-2018	\$65,555.13	\$65,555.13
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	04-06-2018	\$507,905.30	\$507,905.30
Floralia Sewer Collection Improvements (Supp)	2016	DL:EPA	04-10-2018	\$7,000.00	
Madison WWTP Headworks & Secondary Treatment Improvements	2013	DL:EPA	04-10-2018	\$16,876.80	\$16,876.80
Fort Payne WWTP Upgrades	2016	DL:EPA	04-11-2018	\$7,320.00	\$7,320.00
Selma Sanitary Sewer Rehabilitation & Replacement	2014	DL:EPA	04-12-2018	\$105,000.35	
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	04-13-2018	\$171,004.30	\$171,004.30
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	04-16-2018	\$1,326,915.30	\$1,326,915.30
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	04-16-2018	\$318,849.44	
Gurley WWTP Improvements	2017	DL:EPA	04-17-2018	\$35,330.00	\$35,330.00
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	04-17-2018	\$244,708.75	\$244,708.75
Prattville Pine Creek and Autauga Creek WWTP Improvements	2017	DL:EPA	04-25-2018	\$2,851,122.23	\$2,851,122.23
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	04-25-2018	\$86,894.53	\$86,894.53
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	04-25-2018	\$115,187.50	\$115,187.50
Floralia Sewer Collection Improvements (Supp)	2016	DL:EPA	04-25-2018	\$14,835.50	
Dadeville Water, Sewer, and Gas Board WWTP Headworks	2016	DL:EPA	05-08-2018	\$98,297.50	
Hanceville WWTP Solar Energy System	2016	DL:EPA	05-08-2018	\$70,739.85	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	05-09-2018	\$917,034.78	
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	05-10-2018	\$171,099.47	
Anniston Choccolocco Creek WWTP Improvements	2016	DL:EPA	05-16-2018	\$146,175.47	\$146,175.47
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	05-21-2018	\$1,057,802.51	
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	05-21-2018	\$139,885.63	
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	05-22-2018	\$224,762.71	\$224,762.71
St. Elmo - Irvington Sewer Improvements	2014	DL:EPA	05-22-2018	\$34,797.60	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	05-25-2018	\$125,355.67	
Prattville Pine Creek and Autauga Creek WWTP Improvements	2017	DL:EPA	05-29-2018	\$11,968,932.50	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	05-29-2018	\$91,200.00	
Madison WWTP Headworks & Secondary Treatment Improvements	2013	DL:EPA	06-01-2018	\$5,110.15	\$5,110.15
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	06-06-2018	\$141,482.39	
Jemison Municipal Water Works WWTP Filter Project	2016	DL:EPA	06-08-2018	\$74,150.00	\$74,150.00
Hanceville WWTP Solar Energy System	2016	DL:EPA	06-14-2018	\$220,186.99	
Rogersville Sewer System Improvements	2015	DL:EPA	06-14-2018	\$6,156.25	\$6,156.25
Dadeville Water, Sewer, and Gas Board WWTP Headworks	2016	DL:EPA	06-18-2018	\$29,705.00	
Jacksonville WRRF and Collection System Improvements	2015	DL:EPA	06-22-2018	\$0.00	
Fort Payne WWTP Upgrades	2016	DL:EPA	06-29-2018	\$260,856.60	
Jemison Municipal Water Works WWTP Filter Project	2016	DL:EPA	07-11-2018	\$57,124.88	\$57,124.88
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	07-11-2018	\$1,295,188.12	\$1,295,188.12
Prattville Pine Creek and Autauga Creek WWTP Improvements	2017	DL:EPA	07-12-2018	\$2,169,945.27	
Selma Sanitary Sewer Rehabilitation & Replacement	2014	DL:EPA	07-12-2018	\$119,221.39	
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	07-12-2018	\$16,528.00	
Fort Payne WWTP Upgrades	2016	DL:EPA	07-18-2018	\$118,562.73	
Gurley WWTP Improvements	2017	DL:EPA	07-18-2018	\$116,903.85	
Dadeville Water, Sewer, and Gas Board WWTP Headworks	2016	DL:EPA	07-19-2018	\$3,897.50	\$1.02
Andalusia Sewer System Improvements	2017	DL:EPA	07-20-2018	\$346,670.00	
Mobile's C.C. Williams WWTF Improvements	2013	DL:EPA	07-20-2018	\$6,591,091.33	
South Alabama Utilities Lagoon Closure & Phosphorus Removal	2014	DL:EPA	07-27-2018	\$43,511.87	
Jemison Municipal Water Works WWTP Filter Project	2016	DL:EPA	07-29-2018	\$19,000.02	\$19,000.02
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	07-30-2018	\$276,768.03	\$276,768.03
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	08-07-2018	\$239,603.12	
Fort Payne WWTP Upgrades	2016	DL:EPA	08-16-2018	\$100,686.17	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	08-17-2018	\$1,223,024.78	
Rogersville Sewer System Improvements	2015	DL:EPA	08-17-2018	\$11,318.75	\$11,318.75
Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	2015	DL:EPA	08-20-2018	\$5,250.10	

Project Name	IUP FY	Funds Source	Pmt Date	Pmt Amt	Grant Draw
Hanceville WWTP Solar Energy System	2016	DL:EPA	08-23-2018	\$11,821.28	
Tuscaloosa Sanitary Sewer Improvements	2016	DL:EPA	08-27-2018	\$196,996.90	\$196,996.90
Guntersville Eastlake WWTP Improvements	2015	DL:EPA	08-27-2018	\$16,839.86	
Jemison Municipal Water Works WWTP Filter Project	2016	DL:EPA	08-27-2018	\$254,544.89	\$254,544.89
Grand Bay Sewer Improvements	2017	DL:EPA	08-28-2018	\$399,133.02	\$399,133.02
Selma Sanitary Sewer Rehabilitation & Replacement	2014	DL:EPA	08-31-2018	\$125,140.59	
Anniston Choccolocco Creek WWTP Improvements	2016	DL:EPA	08-31-2018	\$93,942.62	\$93,942.62
Rogersville Sewer System Improvements	2015	DL:EPA	09-10-2018	\$7,077.40	\$7,077.40
Brundidge 2016 Sewer System Improvements	2015	DL:EPA	09-12-2018	\$2.00	
Anniston Choccolocco Creek WWTP Improvements	2016	DL:EPA	09-13-2018	\$700,926.02	\$700,926.02
Fort Payne WWTP Upgrades	2016	DL:EPA	09-19-2018	\$161,191.00	
South Alabama Utilities Lagoon Closure & Phosphorus Removal	2014	DL:EPA	09-19-2018	\$232,107.78	
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	09-27-2018	\$245,964.96	
Dothan 2014 CWSRF Wastewater System Improvement Program	2014	DL:EPA	09-27-2018	\$527,322.41	
Dothan Omussee Creek WWTP Improvements	2015	DL:EPA	09-27-2018	\$571,766.82	
			Totals	\$71,695,507.56	\$15,693,034.83

Exhibit 6 - CWSRF Captilization Grant Draws for Construction

Draw #	Project Name	Draw Date	Draw Amount
546	Jacksonville WRRF and Collection System Improvements	10-17-2017	\$769,667.25
546	Jacksonville WRRF and Collection System Improvements	10-17-2017	\$415,090.21
546	Jacksonville WRRF and Collection System Improvements	10-17-2017	\$2,542,952.65
546	Jacksonville WRRF and Collection System Improvements	10-17-2017	\$1,234,902.63
546	Jacksonville WRRF and Collection System Improvements	10-17-2017	\$576,574.00
547	Dadeville Water, Sewer, and Gas Board WWTP Headworks	04-26-2018	\$18,000.00
547	Floralia Sewer Collection Improvements (Supp)	04-26-2018	\$48,148.50
547	Dothan 2014 CWSRF Wastewater System Improvement Program	04-26-2018	\$229,093.82
547	Jacksonville WRRF and Collection System Improvements	04-26-2018	\$329,135.50
547	Prattville Pine Creek and Autauga Creek WWTP Improvements	04-26-2018	\$2,851,122.23
547	Tuscaloosa Sanitary Sewer Improvements	04-26-2018	\$507,905.30
547	Fort Payne WWTP Upgrades	04-26-2018	\$7,320.00
547	Tuscaloosa Sanitary Sewer Improvements	04-26-2018	\$171,004.30
547	Dothan Omussee Creek WWTP Improvements	04-26-2018	\$1,326,915.30
547	Gurley WWTP Improvements	04-26-2018	\$35,330.00
547	Jacksonville WRRF and Collection System Improvements	04-26-2018	\$244,708.75
547	Guntersville Eastlake WWTP Improvements	04-26-2018	\$86,894.53
547	Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	04-26-2018	\$115,187.50
547	Dothan Omussee Creek WWTP Improvements	04-26-2018	\$2,715,438.06
			\$14,225,390.53

Exhibit 7 - Assistance by EPA Needs Category (Closed Loans)

IUP FY	Project	I	II	III A	III B	IV A	IV B	VII-D
2016	Dadeville Water, Sewer, and Gas Board WWTP Headworks	\$195,000	\$0	\$0	\$0	\$0	\$0	\$0
2017	Andalusia Sewer System Improvements	\$0	\$0	\$6,975,000	\$0	\$0	\$0	\$0
2017	Gurley WWTP Improvements	\$505,000	\$0	\$0	\$0	\$0	\$0	\$0
2017	Prattville Pine Creek and Autauga Creek WWTP Improvements	\$0	\$0	\$0	\$13,600,000	\$0	\$0	\$0
2017	Grand Bay Sewer Improvements	\$0	\$0	\$0	\$0	\$0	\$515,000	\$0
2016	Florala Sewer Collection Improvements (Supp)	\$0	\$0	\$0	\$0	\$125,000	\$0	\$0
6 Loans	Totals	\$700,000	\$0	\$6,975,000	\$13,600,000	\$125,000	\$515,000	\$0

Secondary Treatment (Category I):

The minimum level of treatment which must be maintained by all treatment facilities, except those facilities granted waivers under Section 301(h) of the Clean Water Act. Treatment levels are specified in terms of the concentration of conventional pollutants in the wastewater being discharged from a facility. Secondary treatment requires an 85 percent reduction in conventional pollutant concentration in the wastewater treated by a facility. Needs reported in this category are necessary to attain secondary treatment. Needs to attain incremental reductions in conventional pollutant concentrations beyond secondary treatment requirements are included in Category II.

Advanced Treatment (Category II):

A level of treatment more stringent than secondary treatment. Advanced treatment requires greater than 85 percent reduction in conventional pollutants, or a significant reduction in non-conventional pollutants present in the wastewater treated by a facility. Needs reported in this category are necessary to attain incremental reductions in pollutant concentrations beyond basic secondary treatment.

Infiltration/Inflow Correction (Category IIIA):

The penetration into a sewer system of water other than wastewater from the ground through such means as defective pipes or manholes (infiltration) or from sources such as drains, storm sewers, and other improper entries into the system (inflow). Included in this category are costs for correction of sewer system infiltration/inflow problems. Costs also are reported for preliminary sewer system analysis and for detailed sewer system evaluation surveys.

Replacement/Rehabilitation of Sewers (Major Rehab) (Category IIIB):

Reinforcement or reconstruction of structurally deteriorating sewers. This category includes cost estimates for rehabilitation of existing sewer systems beyond those for normal maintenance. Costs are reported if the corrective actions are necessary to maintain the structural integrity of the system.

Collector Sewers (Category IVA):

Pipes used to collect and carry wastewater from an individual source to an interceptor sewer that will convey the wastewater to a treatment facility. This category includes the costs of constructing new collector sewer systems and appurtenances.

Interceptor Sewers (Category IVB):

Major sewer lines receiving wastewater flows from collector sewers. The interceptor sewer carries wastewater directly to the treatment plant or to another interceptor. This category includes costs for constructing new interceptor sewers and pumping stations necessary for conveying wastewater from collector sewer systems to treatment facilities or to another interceptor.

Urban (Category VII-D, excludes decentralized systems)

Exhibit 8 - CWSRF 0.75% Administrative Fees Collected

IUP FY	Project Name	Payment Date	Fee Amount
2012	Albertville Biosolids Improvements for Energy Recovery	02-15-2018	\$17,550.00
2012	Albertville Biosolids Improvements for Energy Recovery	08-15-2018	\$17,550.00
2013	Albertville George Wallace Sewer Improvements	02-15-2018	\$11,400.00
2013	Albertville George Wallace Sewer Improvements	08-15-2018	\$11,400.00
1999	Aliceville West Lagoon Expansion	02-15-2018	\$1,068.75
1999	Aliceville West Lagoon Expansion	08-15-2018	\$1,068.75
2001	Andalusia Interceptor Project	02-15-2018	\$225.00
2001	Andalusia Interceptor Project	08-15-2018	\$225.00
2013	Andalusia Sanitary Sewer Improvements	02-15-2018	\$16,387.50
2013	Andalusia Sanitary Sewer Improvements	08-15-2018	\$15,656.25
1999	Andalusia Sewer System Expansion	02-15-2018	\$1,518.75
1999	Andalusia Sewer System Expansion	08-15-2018	\$1,518.75
2012	Andalusia WWTP Blower Replacement	02-15-2018	\$862.50
2012	Andalusia WWTP Blower Replacement	08-15-2018	\$862.50
2013	Athens Piney Creek & French Mill Creek Interceptor Sewers	02-15-2018	\$10,368.75
2013	Athens Piney Creek & French Mill Creek Interceptor Sewers	08-15-2018	\$9,900.00
2003	Atmore Sanitary Sewer Improvements	02-15-2018	\$3,881.25
2003	Atmore Sanitary Sewer Improvements	08-15-2018	\$3,450.00
1998	Attalla Sewer Rehab (Ph I) - Camp Silbert Outfall	02-15-2018	\$525.00
1998	Attalla Sewer Rehab (Ph I) - Camp Silbert Outfall	08-15-2018	\$525.00
2003	Bayou La Batre Sewer System Improvements	02-15-2018	\$450.00
2003	Bayou La Batre Sewer System Improvements	08-15-2018	\$393.75
2007	Berry Wastewater Treatment Plant	02-15-2018	\$1,237.50
2007	Berry Wastewater Treatment Plant	08-15-2018	\$1,237.50
2004	Boaz Slab Creek Wastewater Treatment Plant Improvements	02-15-2018	\$8,287.50
2004	Boaz Slab Creek Wastewater Treatment Plant Improvements	08-15-2018	\$8,287.50
2005	Boaz Slab Creek WWTP Improvements (Supplemental)	02-15-2018	\$7,406.25
2005	Boaz Slab Creek WWTP Improvements (Supplemental)	08-15-2018	\$7,406.25
2013	Brewton 2013 Sewer System Improvements	02-15-2018	\$1,668.75
2013	Brewton 2013 Sewer System Improvements	08-15-2018	\$1,593.75
2015	Brundidge 2016 Sewer System Improvements	02-15-2018	\$8,231.25
2015	Brundidge 2016 Sewer System Improvements	08-15-2018	\$7,875.00
2009	Childersburg Sewer System Improvements	02-15-2018	\$13,181.25
2009	Childersburg Sewer System Improvements	08-15-2018	\$13,181.25
2001	Coosada Sanitary Sewer Improvements for the Gibson Town Road Area	02-15-2018	\$450.00
2001	Coosada Sanitary Sewer Improvements for the Gibson Town Road Area	08-15-2018	\$450.00
2014	Cullman Wastewater Treatment Plant Improvements	02-15-2018	\$13,687.50
2014	Cullman Wastewater Treatment Plant Improvements	08-15-2018	\$13,068.75
2015	Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	02-15-2018	\$11,943.75
2015	Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	08-15-2018	\$11,943.75
2016	Dadeville Water, Sewer, and Gas Board WWTP Headworks	08-15-2018	\$358.75
2010	Daphne Wastewater Infrastructure Improvements	02-15-2018	\$9,543.75
2010	Daphne Wastewater Infrastructure Improvements	08-15-2018	\$8,981.25
1999	Decatur Dry Creek WWTP Ph II Upgr, Rehab & Inter.	02-15-2018	\$11,868.75
1999	Decatur Dry Creek WWTP Ph II Upgr, Rehab & Inter.	08-15-2018	\$11,868.75
2012	Decatur Wastewater Plant Improvements	02-15-2018	\$2,700.00
2012	Decatur Wastewater Plant Improvements	08-15-2018	\$2,700.00

IUP FY	Project Name	Payment Date	Fee Amount
2009	Decatur Wastewater System Improvements	02-15-2018	\$30,393.75
2009	Decatur Wastewater System Improvements	08-15-2018	\$30,393.75
2014	Dothan 2014 CWSRF Wastewater System Improvement Program	02-15-2018	\$63,300.00
2014	Dothan 2014 CWSRF Wastewater System Improvement Program	08-15-2018	\$63,300.00
1999	Dothan Cypress Cr. WWTP, Inter & Collectors	02-15-2018	\$13,481.25
1999	Dothan Cypress Cr. WWTP, Inter & Collectors	08-15-2018	\$13,481.25
2000	Dothan Cypress Cr. WWTP, Inter & Collectors (Supplemental)	02-15-2018	\$7,893.75
2000	Dothan Cypress Cr. WWTP, Inter & Collectors (Supplemental)	08-15-2018	\$7,893.75
2009	Dothan Little Choctahatchee WWTF Upgrade and Interceptors (Supp)	02-15-2018	\$7,575.00
2009	Dothan Little Choctahatchee WWTF Upgrade and Interceptors (Supp)	08-15-2018	\$7,575.00
2015	Dothan Omussee Creek WWTP Improvements	02-15-2018	\$147,862.50
2015	Dothan Omussee Creek WWTP Improvements	08-15-2018	\$141,525.00
2010	Dothan Sanitary Sewer Enhancement Program	02-15-2018	\$10,237.50
2010	Dothan Sanitary Sewer Enhancement Program	08-15-2018	\$9,693.75
2011	Dothan Wastewater System Improvement Program	02-15-2018	\$21,562.50
2011	Dothan Wastewater System Improvement Program	08-15-2018	\$21,562.50
2015	Floralta Sewer Collection Improvements	02-15-2018	\$1,110.94
2015	Floralta Sewer Collection Improvements	08-15-2018	\$1,425.00
2006	Florence Wastewater System Improvements/SSO Correction Program	10-12-2017	\$6,650.00
1998	Florence WWTP Upgrade & Inter. (Supplemental A)	02-15-2018	\$15,768.75
1998	Florence WWTP Upgrade & Inter. (Supplemental A)	08-15-2018	\$15,768.75
1998	Florence WWTP Upgrade & Inter. (Supplemental B)	02-15-2018	\$3,956.25
1998	Florence WWTP Upgrade & Inter. (Supplemental B)	08-15-2018	\$3,956.25
2005	Florence WWTP Upgrade & Inter. (Supplemental)	10-12-2017	\$2,778.75
1997	Florence WWTP Upgrade & Interceptor	02-15-2018	\$16,481.25
1997	Florence WWTP Upgrade & Interceptor	08-15-2018	\$16,481.25
1999	Florence WWTP Upgrade & River Interceptor (Supp C)	02-15-2018	\$9,787.50
1999	Florence WWTP Upgrade & River Interceptor (Supp C)	08-15-2018	\$9,787.50
2010	Fort Payne Wastewater Pumping and Transmission Facilities	02-15-2018	\$2,662.50
2010	Fort Payne Wastewater Pumping and Transmission Facilities	08-15-2018	\$2,512.50
1996	Fort Payne WWTP Upgrade	02-15-2018	\$2,756.25
1996	Fort Payne WWTP Upgrade	08-15-2018	\$2,756.25
2016	Fort Payne WWTP Upgrades	08-15-2018	\$1,687.50
2013	Georgiana WWTP Upgrades	02-15-2018	\$3,431.25
2013	Georgiana WWTP Upgrades	08-15-2018	\$3,281.25
1999	Goodwater Sewer Rehabilitation (CDBG)	02-15-2018	\$75.00
1999	Goodwater Sewer Rehabilitation (CDBG)	08-15-2018	\$56.25
2003	Grand Bay - South Mobile County Elementary School WWTP	02-15-2018	\$825.00
2003	Grand Bay - South Mobile County Elementary School WWTP	08-15-2018	\$712.50
2007	Grand Bay Decentralized Wastewater Treatment Plants	02-15-2018	\$1,106.25
2007	Grand Bay Decentralized Wastewater Treatment Plants	08-15-2018	\$1,106.25
2012	Grand Bay Hall Road Decentralized WWTP & Forcemain Project	02-15-2018	\$8,025.00
2012	Grand Bay Hall Road Decentralized WWTP & Forcemain Project	08-15-2018	\$7,612.50
2005	Guntersville East Lake WWTP Improvements	02-15-2018	\$11,175.00
2005	Guntersville East Lake WWTP Improvements	08-15-2018	\$11,175.00
2014	Guntersville Eastlake WWTP Improvements	02-15-2018	\$33,000.00
2015	Guntersville Eastlake WWTP Improvements	02-15-2018	\$30,806.25
2015	Guntersville Eastlake WWTP Improvements	08-15-2018	\$29,568.75
2014	Guntersville Eastlake WWTP Improvements	08-15-2018	\$33,000.00

IUP FY	Project Name	Payment Date	Fee Amount
2001	Guntersville Sanitary Sewer Extension	02-15-2018	\$2,625.00
2001	Guntersville Sanitary Sewer Extension	08-15-2018	\$2,625.00
2016	gurl*	02-15-2018	\$117.19
2016	gurl*	08-15-2018	\$468.75
2016	Hanceville WWTP Solar Energy System	02-15-2018	\$531.88
2016	Hanceville WWTP Solar Energy System	08-15-2018	\$1,237.50
2003	Hartselle Infiltration and Inflow Mitigation/Rehabilitation	02-15-2018	\$2,531.25
2003	Hartselle Infiltration and Inflow Mitigation/Rehabilitation	08-15-2018	\$2,287.50
2001	Hartselle Inflow/Infiltration Mitigation Project	02-15-2018	\$2,343.75
2001	Hartselle Inflow/Infiltration Mitigation Project	08-15-2018	\$2,343.75
2014	Helena WWTP Upgrade	02-15-2018	\$29,456.25
2014	Helena WWTP Upgrade	08-15-2018	\$28,200.00
2000	Huntsville 5-Year Capital Improvement Program	02-15-2018	\$15,956.25
2000	Huntsville 5-Year Capital Improvement Program	08-15-2018	\$15,956.25
1999	Huntsville Rehab & Interceptors	02-15-2018	\$15,131.25
1999	Huntsville Rehab & Interceptors	08-15-2018	\$15,131.25
2011	Huntsville Spring Branch WWTP Improvements	02-15-2018	\$6,412.50
2011	Huntsville Spring Branch WWTP Improvements	08-15-2018	\$6,412.50
1998	Huntsville WWTP & Outfall	02-15-2018	\$12,450.00
1998	Huntsville WWTP & Outfall	08-15-2018	\$12,450.00
1997	Huntsville WWTP Upgrade,Rehab & Interceptor	02-15-2018	\$13,181.25
1997	Huntsville WWTP Upgrade,Rehab & Interceptor	08-15-2018	\$13,181.25
2009	Jackson Sewer Lagoon Upgrades	02-15-2018	\$1,368.75
2009	Jackson Sewer Lagoon Upgrades	08-15-2018	\$1,368.75
2011	Jackson Sewer Lagoon Upgrades (Supplemental)	02-15-2018	\$1,500.00
2011	Jackson Sewer Lagoon Upgrades (Supplemental)	08-15-2018	\$1,425.00
2015	Jacksonville WRRF and Collection System Improvements	02-15-2018	\$35,137.50
2015	Jacksonville WRRF and Collection System Improvements	08-15-2018	\$33,637.50
2008	Jasper Town Creek Wastewater Treatment Plant Improvements	02-15-2018	\$14,812.50
2008	Jasper Town Creek Wastewater Treatment Plant Improvements	06-04-2018	\$8,969.79
2016	Jemison Municipal Water Works WWTP Filter Project	08-15-2018	\$955.83
1997	Louisville Lagoon, PS & Inter	02-15-2018	\$150.00
1996	Madison Interceptors	02-15-2018	\$750.00
1996	Madison Interceptors	08-15-2018	\$750.00
2000	Madison Wastewater Treatment Plant & Interceptors	02-15-2018	\$23,625.00
2000	Madison Wastewater Treatment Plant & Interceptors	08-15-2018	\$23,625.00
2013	Madison WWTP Headworks & Secondary Treatment Improvements	02-15-2018	\$10,200.00
2013	Madison WWTP Headworks & Secondary Treatment Improvements	08-15-2018	\$9,750.00
2011	Millbrook Sewer Efficiency and Reuse Improvements, Phase I	02-15-2018	\$2,587.50
2011	Millbrook Sewer Efficiency and Reuse Improvements, Phase I	08-15-2018	\$2,456.25
1996	Millbrook WWTP Upgrade	02-15-2018	\$356.25
1996	Millbrook WWTP Upgrade	08-15-2018	\$356.25
2004	Mobile Perch Creek Force Main and I/I Correction	02-15-2018	\$16,293.75
2004	Mobile Perch Creek Force Main and I/I Correction	08-15-2018	\$16,293.75
2000	Mobile Sanitary Sewer Improvements	02-15-2018	\$11,981.25
2000	Mobile Sanitary Sewer Improvements	08-15-2018	\$11,981.25
2011	Mobile Smith WWTF & Regional Force Main, Pump Station & Outfall	02-15-2018	\$60,112.50
2011	Mobile Smith WWTF & Regional Force Main, Pump Station & Outfall	08-15-2018	\$56,868.75
2016	Mobile Various Sanitary Sewer System Improvements	02-15-2018	\$71,793.75

IUP FY	Project Name	Payment Date	Fee Amount
2016	Mobile Various Sanitary Sewer System Improvements	08-15-2018	\$71,793.75
2013	Mobile's C.C. Williams WWTF Improvements	02-15-2018	\$65,981.25
2013	Mobile's C.C. Williams WWTF Improvements	08-15-2018	\$65,981.25
2009	Montevallo Wastewater System Improvements	02-15-2018	\$14,325.00
2009	Montevallo Wastewater System Improvements	08-15-2018	\$14,325.00
2010	Montevallo Wastewater System Improvements (Supplemental)	02-15-2018	\$4,331.25
2010	Montevallo Wastewater System Improvements (Supplemental)	08-15-2018	\$4,087.50
2011	Park	02-15-2018	\$3,543.75
2011	Park	08-15-2018	\$3,543.75
2012	Moody Sewer Connection to Argo System	02-15-2018	\$2,906.25
2012	Moody Sewer Connection to Argo System	08-15-2018	\$2,906.25
2007	Moulton Crow Branch Interceptor Sewer Replacement & Rehab	02-15-2018	\$3,750.00
2007	Moulton Crow Branch Interceptor Sewer Replacement & Rehab	08-15-2018	\$3,750.00
2009	Moundville Sewer Collection System Rehabilitation	02-15-2018	\$506.25
2009	Moundville Sewer Collection System Rehabilitation	08-15-2018	\$506.25
2011	North Baldwin Harry Still Sr. WWTP Blower Upgrade	02-15-2018	\$1,462.50
2011	North Baldwin Harry Still Sr. WWTP Blower Upgrade	08-15-2018	\$1,462.50
2012	North Baldwin Utilities Wastewater System SCADA Integration	02-15-2018	\$1,950.00
2012	North Baldwin Utilities Wastewater System SCADA Integration	08-15-2018	\$1,950.00
1997	Notasulga WWTP & Collectors	02-15-2018	\$93.75
1997	Notasulga WWTP & Collectors	08-15-2018	\$93.75
2013	Odenville Sewer Force Main and Telemetry Upgrades	02-15-2018	\$3,393.75
2013	Odenville Sewer Force Main and Telemetry Upgrades	08-15-2018	\$3,243.75
1999	Oneonta Sewer Improvements	02-15-2018	\$637.50
1999	Oneonta Sewer Improvements	08-15-2018	\$637.50
2000	Opp Pumping Stations and Lagoon Improvements	02-15-2018	\$393.75
2000	Opp Pumping Stations and Lagoon Improvements	08-15-2018	\$393.75
1997	Pelham WWTP Upgrade	02-15-2018	\$4,650.00
1997	Pelham WWTP Upgrade	08-15-2018	\$4,650.00
1998	Pelham WWTP Upgrade (Supplemental) & Hunters Glen Interceptors	02-15-2018	\$6,600.00
1998	Pelham WWTP Upgrade (Supplemental) & Hunters Glen Interceptors	08-15-2018	\$6,600.00
2009	Pell City Sanitary Sewer System Upgrade and Rehabilitation	02-15-2018	\$34,518.75
2009	Pell City Sanitary Sewer System Upgrade and Rehabilitation	08-15-2018	\$34,518.75
2015	Prattville North Silver Hills Drainage Canal Restoration	02-15-2018	\$1,500.00
2015	Prattville North Silver Hills Drainage Canal Restoration	08-15-2018	\$1,443.75
2017	Prattville Pine Creek and Autauga Creek WWTP Improvements	08-15-2018	\$63,000.00
2016	Prattville Woodvale Drainage Canal Restoration	08-15-2018	\$675.00
1997	Rainsville WWTP Upgr & Rehab	12-15-2017	\$375.00
2014	Red Bay Sanitary Sewer Improvements	02-15-2018	\$1,200.00
2014	Red Bay Sanitary Sewer Improvements	08-15-2018	\$1,200.00
2009	Red Bay Wastewater Treatment Lagoon and Lift Station Improvements	02-15-2018	\$1,162.50
2009	Red Bay Wastewater Treatment Lagoon and Lift Station Improvements	08-15-2018	\$1,162.50
2013	Reform New Wastewater Treatment Plant	02-15-2018	\$3,206.25
2013	Reform New Wastewater Treatment Plant	08-15-2018	\$3,206.25
2014	Reform New Wastewater Treatment Plant (Supplemental)	02-15-2018	\$2,456.25
2014	Reform New Wastewater Treatment Plant (Supplemental)	08-15-2018	\$2,343.75
2015	Rogersville Sewer System Improvements	02-15-2018	\$3,637.50
2015	Rogersville Sewer System Improvements	08-15-2018	\$3,487.50
2014	Selma Sanitary Sewer Rehabilitation & Replacement	02-15-2018	\$15,393.75

IUP FY	Project Name	Payment Date	Fee Amount
2014	Selma Sanitary Sewer Rehabilitation & Replacement	08-15-2018	\$15,393.75
2010	Sheffield WWTP and Sewer Rehabilitation	02-15-2018	\$36,375.00
2010	Sheffield WWTP and Sewer Rehabilitation	08-15-2018	\$34,593.75
2011	Sheffield WWTP and Sewer Rehabilitation (Supplemental)	02-15-2018	\$14,343.75
2011	Sheffield WWTP and Sewer Rehabilitation (Supplemental)	08-15-2018	\$13,631.25
2007	Slocomb Sanitary Sewer Improvements	02-15-2018	\$2,643.75
2007	Slocomb Sanitary Sewer Improvements	08-15-2018	\$2,456.25
2005	South Alabama Utilities Decentralized Sewer Project	02-15-2018	\$4,462.50
2008	South Alabama Utilities Decentralized Sewer Project	02-15-2018	\$4,162.50
2005	South Alabama Utilities Decentralized Sewer Project	08-15-2018	\$4,087.50
2008	South Alabama Utilities Decentralized Sewer Project	08-15-2018	\$3,900.00
2014	South Alabama Utilities Lagoon Closure & Phosphorus Removal	02-15-2018	\$8,362.50
2014	South Alabama Utilities Lagoon Closure & Phosphorus Removal	08-15-2018	\$8,362.50
2003	South Alabama Utilities Sewer Improvements	02-15-2018	\$4,893.75
2003	South Alabama Utilities Sewer Improvements	08-15-2018	\$4,256.25
2001	South Dallas Sanitary Sewer Improvements	02-15-2018	\$600.00
2001	South Dallas Sanitary Sewer Improvements	08-15-2018	\$506.25
2014	St. Elmo - Irvington Sewer Improvements	02-15-2018	\$11,043.75
2014	St. Elmo - Irvington Sewer Improvements	08-15-2018	\$10,575.00
2003	Sylacauga Sewer Improvements (Supplemental)	02-15-2018	\$1,818.75
2003	Sylacauga Sewer Improvements (Supplemental)	08-15-2018	\$1,575.00
2009	Troy Outfall Sewer Improvements	02-15-2018	\$4,406.25
2009	Troy Outfall Sewer Improvements	08-15-2018	\$4,406.25
2013	Troy Sanitary Sewer Improvements	02-15-2018	\$17,362.50
2013	Troy Sanitary Sewer Improvements	08-15-2018	\$17,362.50
1997	Tuscaloosa Interceptor Replacement	02-15-2018	\$4,818.75
1997	Tuscaloosa Interceptor Replacement	08-15-2018	\$4,818.75
2016	Tuscaloosa Sanitary Sewer Improvements	08-15-2018	\$60,551.25
2010	Tuskegee Wastewater Collection System Improvements	02-15-2018	\$5,475.00
2010	Tuskegee Wastewater Collection System Improvements	08-15-2018	\$5,475.00
2014	Vernon Lagoon Rehabilitation - 2014	02-15-2018	\$2,013.49
2014	Vernon Lagoon Rehabilitation - 2014	08-15-2018	\$2,013.49
2014	Vestavia Hills Stream Restoration, Wetland, & Greenspace	02-15-2018	\$3,150.00
2014	Vestavia Hills Stream Restoration, Wetland, & Greenspace	08-15-2018	\$3,150.00
2004	West Morgan - East Lawrence Sanitary Sewer Improvements	02-15-2018	\$825.00
2004	West Morgan - East Lawrence Sanitary Sewer Improvements	08-15-2018	\$712.50
Total			\$2,614,620.11

Exhibit 9 – Long Term Cash Flow Projections

The Clean Water State Revolving Fund (CWSRF) was established by the Clean Water Act as Amended by the Water Quality Act Of 1987, Public Law 100-4, March 1988. Title VI of the Clean Water Act as amended (CWA) established the CWSRF. Section 603 of the CWA discusses the Water Pollution Control Revolving Loan Funds or CWSRF. Section 603 (c), Projects Eligible for Assistance, states the types of eligible projects and the essential character of the CWSRF: "The fund shall be established, maintained, and credited with repayments and the fund balance shall be available in perpetuity for providing such financial assistance."

The EPA implemented the CWA as amended with program regulations stated in Subpart K - State Water Pollution Control Revolving Funds. The first section, 40 CFR Section 35.3100(a), Policy and Purpose states it is the intent of the CWA as amended to ensure each State's program is designed and operated to continue providing assistance for water pollution control activities in perpetuity.

To measure perpetuity, an attempt has been made to identify the true present worth of the program, compared to the original sum of contributed capital (corpus):

CWSRF Perpetuity of the Fund Measure

Contributed Capital		* ARRA			Total
FY	Total Grant	Net Grant (96%)	20% Match	Transfer to DWSRF	Contributed Capital
1989	\$10,546,965	\$10,125,086	\$2,109,393		\$12,234,479
1990	\$10,909,503	\$10,473,123	\$2,181,901		\$12,655,024
1991	\$22,948,299	\$22,030,367	\$4,589,660		\$26,620,027
1992	\$21,726,342	\$20,857,288	\$4,345,268		\$25,202,557
1993	\$21,492,207	\$20,632,519	\$4,298,441		\$24,930,960
1994	\$13,335,597	\$12,802,173	\$2,667,119		\$15,469,293
1995	\$13,772,781	\$13,221,870	\$2,754,556		\$15,976,426
1996	\$22,560,417	\$21,658,000	\$4,512,083		\$26,170,084
1997	\$7,070,048	\$6,787,246	\$1,414,010	(\$4,144,404)	\$4,056,852
1998	\$15,076,774	\$14,473,703	\$3,015,355	(\$2,793,648)	\$14,695,410
1999	\$15,149,120	\$14,543,155	\$3,029,824	(\$2,928,024)	\$14,644,955
2000	\$15,007,311	\$14,407,019	\$3,001,462	(\$3,043,062)	\$14,365,419
2001	\$14,873,958	\$14,279,000	\$2,974,792	(\$3,055,635)	\$14,198,156
2002	\$14,907,024	\$14,310,743	\$2,981,405	(\$2,657,325)	\$14,634,823
2003	\$14,810,202	\$14,217,794	\$2,962,040	(\$2,641,353)	\$14,538,481
2004	\$14,819,112	\$14,226,348	\$2,963,822	(\$2,740,023)	\$14,450,147
2005	\$12,049,290	\$11,567,318	\$2,409,858	(\$2,969,208)	\$11,007,968
2006	\$9,790,700	\$9,399,072	\$1,958,140	\$0	\$11,357,212

2007	\$11,967,813	\$11,450,964	\$2,393,563	\$0	\$13,844,527
2008	\$7,585,900	\$7,282,464	\$1,517,180	\$0	\$8,799,444
2009	\$7,585,900	\$7,282,464	\$1,517,180	\$0	\$8,799,444
*2009	\$43,821,600	\$42,068,736	\$0	\$0	\$42,068,736
2010	\$22,783,000	\$21,871,680	\$4,556,600	\$0	\$26,428,280
2011	\$16,511,000	\$15,850,560	\$3,302,200	\$0	\$19,152,760
2012	\$15,803,000	\$15,170,880	\$3,160,600	\$0	\$18,331,480
2013	\$14,929,000	\$14,331,840	\$2,985,800	\$0	\$17,317,640
2014	\$15,678,000	\$15,050,880	\$3,135,600	\$0	\$18,186,480
2015	\$15,597,000	\$14,973,120	\$3,119,400	\$0	\$18,092,520
2016	\$14,940,000	\$14,342,400	\$2,988,000	\$0	\$17,330,400
2017	\$14,825,000	\$14,232,000	\$2,965,000	\$0	\$17,790,000
2018	\$17,948,000	\$17,230,000	\$3,589,600	\$0	\$21,537,600
					\$499,005,064

Net Assets of Program (as of 9/30/14)

Direct Loan Principal Outstanding:	\$322,630,000
Available Cash and Investments:	\$223,942,889
Amount Due to Borrowers:	(\$60,024,531)
<u>Federal Letter of Credit Outstanding:</u>	<u>\$17,230,080</u>
Total Net Assets:	\$503,778,438

Retained earnings must be greater than or equal to zero (EPA Fund Management Handbook, April 2001).

The difference between contributed capital and current net assets can be attributed to the establishment of multiple sinking funds used to retire bonds. Alabama utilizes a leveraging model that utilizes these sinking funds to make up the difference between the state-level bond debt service and the net loan repayments from bond pool borrowers.

Exhibit - MBE/WBE Goals/Contract Summary

Project Name	IUP FY	Loan No.	Prime Contractor	Contract Amt.	Approval Date	Cap Grant No.	DBE Contractors	MBE \$	WBE \$
St. Elmo - Irvington Water Authority	FY14	CS010858-01	Hughes Plumbing & Utility Contractors Inc.	\$885,151.29	10/25/2017	CS010001-14	Hughes Plumbing & Utility Contractors Inc.	\$885,151.29	
Selma, City of - Contract #9	FY14	CS010818-03	Tren-Tay Inc.	\$479,155.00	8/15/2018	CS010001-14	Good Faith Solicitation - No DBE Participation		
Guntersville Water & Sewer Board - Contract #6	FY15	CS010270-10	J. Cumby Construction Inc.	\$1,293,450.00	5/3/2018	CS010001-15	Elle Waterworks Supply (EWS)		\$55,000.00
City of Tuscaloosa -- Contract #12	FY16	CS010290-20	Dominion Construction Co., Inc.	\$176,290.22	10/24/2017	CS01000116	Good Faith Solicitation - No DBE Participation		
City of Tuscaloosa -- Contract #5	FY16	CS010290-20	Dominion Construction Co., Inc.	\$5,541,522.00	10/24/2017	CS010001-16	Good Faith Solicitation - No DBE Participation		
Hanceville - Contract #1	FY16	CS010390-04	Eagle Solar & Light	\$47,500.00	12/14/2017	CS010001-16	Mata Electric	\$37,210.17	
Hanceville - Contract #1	FY16	CS010390-04	Eagle Solar & Light		12/14/2017	CS010001-16	Mayer Electric		\$2,500.00
Hanceville - Contract #1	FY16	CS010390-04	Eagle Solar & Light		12/14/2017	CS010001-16	RAM Tool & Supply		\$7,500.00
Jemison - Contract #1	FY16	CS010866-01	BH Craig Construction Co., Inc.	\$539,000.00	1/29/2018	CS010001-16	Good Faith Solicitation - No DBE Participation		
City of Tuscaloosa - Contract #8	FY16	CS010290-20	John Plott Company, Inc.	\$497,155.05	3/5/2018	CS010001-16	T & T Fine Homes	\$8,600.00	
Mobile Board of Water & Sewer Commissioners (MAWSS) Contract #14	FY16	CS010281-16	Sunset Contracting, Inc.	\$826,388.09	5/24/2018	CS010001-16	M & B Construction	\$108,140.00	
Mobile Board of Water & Sewer Commissioners (MAWSS) Contract #14	FY16	CS010281-16	Sunset Contracting, Inc.		5/24/2018	CS010001-16	B & B Trucking Company	\$27,000.00	
Mobile Board of Water & Sewer Commissioners (MAWSS) Contract #14	FY16	CS010281-16	McCrary & Williams		5/24/2018	CS010001-16	Isaiah Engineering	\$4,770.00	
Prattville - Contract #1	FY17	CS010254-11	Brasfield & Gorrie LLC	\$33,273,500.00	3/29/2018	CS010001-17	Hamm Grassing Co., LLC		\$33,790.00
Prattville - Contract #1	FY17	CS010254-11	Brasfield & Gorrie LLC		3/29/2018	CS010001-17	Morris Builders, LLC	\$150,963.75	
Prattville - Contract #1	FY17	CS010254-11	Brasfield & Gorrie LLC		3/29/2018	CS010001-17	RJ Whisenant, LLC		\$84,370.75
Prattville - Contract #1	FY17	CS010254-11	Brasfield & Gorrie LLC		3/29/2018	CS010001-17	Terry for Bricks, Inc.	\$479,172.00	
Prattville - Contract #1	FY17	CS010254-11	Brasfield & Gorrie LLC		3/29/2018	CS010001-17	Johnston Trucking LLC		\$142,080.00
Prattville - Contract #1	FY17	CS010254-11	Brasfield & Gorrie LLC		3/29/2018	CS010001-17	Kari-Lane, LLC		\$95,075.00
Town of Gurley	FY17	CS010871-01	Lambert Contracting	\$340,590.00	5/2/2018	CS010001-17	Good Faith Solicitation - No DBE Participation		
Anniston Water Works & Sewre Board -- Contract #1	FY17	S010284-06	Suppl: Taylor Corporation	\$5,165,562.00	5/4/2018	CS010001-17	Hoyett Reinforcing (MBE)	\$23,100.00	
Guntersville Water & Sewer BD Contract #6	FY15	CS010270-10	Christopher Contractors, Inc.	\$748,966.00	12/14/2017	CS010270-10	Good Faith Solicitation - No DBE Participation		
Dadeville WW & SB - Contract #1	FY16	CS010867-01	Schmidt Environmental Construction, Inc.	\$123,900.00	12/14/2017	CS010867-01	Good Faith Solicitation - No DBE Participation		
Number of Contracts:		23	Total Contracts Amount:		\$49,938,129.65	Percentage %		\$1,724,107.21	\$420,315.75
			MBE Participation:		\$1,724,107.21	3.5%			
			WBE Participation:		\$420,315.75	0.8%			
			Total DBE:		\$2,144,422.96	4.3%			

Exhibit 11 - Loan Repayments FY18

Date	Project	Principal	Interest	Total Payment
10/12/2017	Florence Wastewater System Improvements/SSO Correction Program	\$5,600,000.00	\$31,033.33	\$5,631,033.33
10/12/2017	Florence WWTP Upgrade & Inter. (Supplemental)	\$2,340,000.00	\$12,041.25	\$2,352,041.25
12/15/2017	Rainsville WWTP Upgr & Rehab	\$150,000.00	\$1,875.00	\$151,875.00
2/15/2018	Albertville Biosolids Improvements for Energy Recovery and Beneficial	\$0.00	\$64,350.00	\$64,350.00
2/15/2018	Albertville George Wallace Sewer Improvements	\$0.00	\$37,240.00	\$37,240.00
2/15/2018	Aliceville West Lagoon Expansion	\$0.00	\$5,486.25	\$5,486.25
2/15/2018	Andalusia Interceptor Project	\$0.00	\$1,050.00	\$1,050.00
2/15/2018	Andalusia Sanitary Sewer Improvements	\$195,000.00	\$53,532.50	\$248,532.50
2/15/2018	Andalusia Sewer System Expansion	\$0.00	\$7,796.25	\$7,796.25
2/15/2018	Andalusia WWTP Blower Replacement	\$0.00	\$3,162.50	\$3,162.50
2/15/2018	Athens Piney Creek & French Mill Creek Interceptor Sewers	\$125,000.00	\$33,871.25	\$158,871.25
2/15/2018	Atmore Sanitary Sewer Improvements	\$115,000.00	\$15,783.75	\$130,783.75
2/15/2018	Attalla Sewer Rehab (Ph I) - Camp Silbert Outfall	\$0.00	\$2,450.00	\$2,450.00
2/15/2018	Bayou La Batre Sewer System Improvements	\$15,000.00	\$1,830.00	\$16,830.00
2/15/2018	Berry Wastewater Treatment Plant	\$0.00	\$5,775.00	\$5,775.00
2/15/2018	Boaz Slab Creek Wastewater Treatment Plant Improvements	\$0.00	\$33,702.50	\$33,702.50
2/15/2018	Boaz Slab Creek WWTP Improvements (Supplemental)	\$0.00	\$30,118.75	\$30,118.75
2/15/2018	Brewton 2013 Sewer System Improvements	\$20,000.00	\$5,451.25	\$25,451.25
2/15/2018	Brundidge 2016 Sewer System Improvements	\$95,000.00	\$24,145.00	\$119,145.00
2/15/2018	Childersburg Sewer System Improvements	\$0.00	\$61,512.50	\$61,512.50
2/15/2018	Coosada Sanitary Sewer Improvements for the Gibson Town Road	\$0.00	\$2,100.00	\$2,100.00
2/15/2018	Cullman Wastewater Treatment Plant Improvements	\$165,000.00	\$41,062.50	\$206,062.50
2/15/2018	Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	\$0.00	\$35,035.00	\$35,035.00
2/15/2018	Daphne Wastewater Infrastructure Improvements	\$150,000.00	\$39,447.50	\$189,447.50
2/15/2018	Decatur Dry Creek WWTP Ph II Upgr, Rehab & Inter.	\$0.00	\$41,303.25	\$41,303.25
2/15/2018	Decatur Wastewater Plant Improvements	\$0.00	\$9,900.00	\$9,900.00
2/15/2018	Decatur Wastewater System Improvements	\$0.00	\$141,837.50	\$141,837.50
2/15/2018	Dothan 2014 CWSRF Wastewater System Improvement Program	\$0.00	\$189,900.00	\$189,900.00
2/15/2018	Dothan Cypress Cr. WWTP, Inter & Collectors	\$0.00	\$46,914.75	\$46,914.75
2/15/2018	Dothan Cypress Cr. WWTP, Inter & Collectors (Supplemental)	\$0.00	\$26,312.50	\$26,312.50
2/15/2018	Dothan Little Choctahatchee WWTF Upgrade and Interceptors	\$0.00	\$35,350.00	\$35,350.00
2/15/2018	Dothan Omussee Creek WWTP Improvements	\$1,690,000.00	\$433,730.00	\$2,123,730.00
2/15/2018	Dothan Sanitary Sewer Enhancement Program	\$145,000.00	\$42,315.00	\$187,315.00
2/15/2018	Dothan Wastewater System Improvement Program	\$0.00	\$83,375.00	\$83,375.00
2/15/2018	Floralia Sewer Collection Improvements	\$15,000.00	\$3,258.75	\$18,258.75
2/15/2018	Floralia Sewer Collection Improvements (Supp)	\$0.00	\$343.75	\$343.75
2/15/2018	Florence WWTP Upgrade & Inter. (Supplemental A)	\$0.00	\$54,034.25	\$54,034.25
2/15/2018	Florence WWTP Upgrade & Inter. (Supplemental B)	\$0.00	\$13,556.75	\$13,556.75
2/15/2018	Florence WWTP Upgrade & Interceptor	\$0.00	\$56,475.75	\$56,475.75
2/15/2018	Florence WWTP Upgrade & River Interceptor (Supp C)	\$0.00	\$34,060.50	\$34,060.50
2/15/2018	Fort Payne Wastewater Pumping and Transmission Facilities	\$40,000.00	\$11,005.00	\$51,005.00
2/15/2018	Fort Payne WWTP Upgrade	\$0.00	\$11,686.50	\$11,686.50
2/15/2018	Georgiana WWTP Upgrades	\$40,000.00	\$11,208.75	\$51,208.75
2/15/2018	Goodwater Sewer Rehabilitation (CDBG)	\$5,000.00	\$385.00	\$5,385.00
2/15/2018	Grand Bay - South Mobile County Elementary School WWTP	\$30,000.00	\$3,355.00	\$33,355.00
2/15/2018	Grand Bay Decentralized Wastewater Treatment Plants	\$0.00	\$5,162.50	\$5,162.50
2/15/2018	Grand Bay Hall Road Decentralized WWTP & Forcemain Project	\$110,000.00	\$29,425.00	\$139,425.00
2/15/2018	Guntersville East Lake WWTP Improvements	\$0.00	\$48,425.00	\$48,425.00
2/15/2018	Guntersville Eastlake WWTP Improvements	\$330,000.00	\$189,365.00	\$519,365.00
2/15/2018	Guntersville Sanitary Sewer Extension	\$0.00	\$12,250.00	\$12,250.00
2/15/2018	Hanceville WWTP Solar Energy System	\$15,000.00	\$1,560.17	\$16,560.17
2/15/2018	Hartselle Infiltration and Inflow Mitigation/Rehabilitation	\$65,000.00	\$10,293.75	\$75,293.75
2/15/2018	Hartselle Inflow/Infiltration Mitigation Project	\$0.00	\$10,937.50	\$10,937.50

Date	Project	Principal	Interest	Total Payment
2/15/2018	Helena WWTP Upgrade	\$335,000.00	\$88,368.75	\$423,368.75
2/15/2018	Huntsville 5-Year Capital Improvement Program	\$0.00	\$53,187.50	\$53,187.50
2/15/2018	Huntsville Rehab & Interceptors	\$0.00	\$52,656.75	\$52,656.75
2/15/2018	Huntsville Spring Branch WWTP Improvements	\$0.00	\$24,795.00	\$24,795.00
2/15/2018	Huntsville WWTP & Outfall	\$0.00	\$42,662.00	\$42,662.00
2/15/2018	Huntsville WWTP Upgrade, Rehab & Interceptor	\$0.00	\$45,167.75	\$45,167.75
2/15/2018	Jackson Sewer Lagoon Upgrades	\$0.00	\$6,387.50	\$6,387.50
2/15/2018	Jackson Sewer Lagoon Upgrades (Supplemental)	\$20,000.00	\$5,800.00	\$25,800.00
2/15/2018	Jacksonville WRRF and Collection System Improvements	\$400,000.00	\$103,070.00	\$503,070.00
2/15/2018	Jasper Town Creek Wastewater Treatment Plant Improvements	\$0.00	\$69,125.00	\$69,125.00
2/15/2018	Louisville Lagoon, PS & Inter	\$40,000.00	\$750.00	\$40,750.00
2/15/2018	Madison Interceptors	\$0.00	\$3,180.00	\$3,180.00
2/15/2018	Madison Wastewater Treatment Plant & Interceptors	\$0.00	\$78,750.00	\$78,750.00
2/15/2018	Madison WWTP Headworks & Secondary Treatment Improvements	\$120,000.00	\$33,320.00	\$153,320.00
2/15/2018	Millbrook Sewer Efficiency and Reuse Improvements, Phase I	\$35,000.00	\$10,005.00	\$45,005.00
2/15/2018	Millbrook WWTP Upgrade	\$0.00	\$1,900.00	\$1,900.00
2/15/2018	Mobile Perch Creek Force Main and I/I Correction	\$0.00	\$66,261.25	\$66,261.25
2/15/2018	Mobile Sanitary Sewer Improvements	\$0.00	\$39,937.50	\$39,937.50
2/15/2018	Mobile Smith WWTF & Regional Force Main, Pump Station & Outfall	\$865,000.00	\$232,435.00	\$1,097,435.00
2/15/2018	Mobile Various Sanitary Sewer System Improvements	\$0.00	\$210,595.00	\$210,595.00
2/15/2018	Mobile's C.C. Williams WWTF Improvements	\$0.00	\$215,538.75	\$215,538.75
2/15/2018	Montevallo Wastewater System Improvements	\$0.00	\$66,850.00	\$66,850.00
2/15/2018	Montevallo Wastewater System Improvements (Supplemental)	\$65,000.00	\$17,902.50	\$82,902.50
2/15/2018	Montgomery Genetta Ditch Stream Restoration & Constructed	\$0.00	\$13,702.50	\$13,702.50
2/15/2018	Moody Sewer Connection to Argo System	\$0.00	\$10,656.25	\$10,656.25
2/15/2018	Moulton Crow Branch Interceptor Sewer Replacement & Rehab	\$0.00	\$17,500.00	\$17,500.00
2/15/2018	Moundville Sewer Collection System Rehabilitation	\$0.00	\$2,362.50	\$2,362.50
2/15/2018	North Baldwin Harry Still Sr. WWTP Blower Upgrade	\$0.00	\$5,655.00	\$5,655.00
2/15/2018	North Baldwin Utilities Wastewater System SCADA Integration	\$0.00	\$7,150.00	\$7,150.00
2/15/2018	Notasulga WWTP & Collectors	\$0.00	\$468.75	\$468.75
2/15/2018	Odenville Sewer Force Main and Telemetry Upgrades	\$40,000.00	\$11,086.25	\$51,086.25
2/15/2018	Oneonta Sewer Improvements	\$0.00	\$3,272.50	\$3,272.50
2/15/2018	Opp Pumping Stations and Lagoon Improvements	\$0.00	\$2,021.25	\$2,021.25
2/15/2018	Pelham WWTP Upgrade	\$0.00	\$15,934.00	\$15,934.00
2/15/2018	Pelham WWTP Upgrade (Supplemental) & Hunters Glen Interceptors	\$0.00	\$22,616.00	\$22,616.00
2/15/2018	Pell City Sanitary Sewer System Upgrade and Rehabilitation	\$0.00	\$161,087.50	\$161,087.50
2/15/2018	Prattville North Silver Hills Drainage Canal Restoration	\$15,000.00	\$4,400.00	\$19,400.00
2/15/2018	Red Bay Sanitary Sewer Improvements	\$0.00	\$3,600.00	\$3,600.00
2/15/2018	Red Bay Wastewater Treatment Lagoon and Lift Station	\$0.00	\$5,425.00	\$5,425.00
2/15/2018	Reform New Wastewater Treatment Plant	\$0.00	\$10,473.75	\$10,473.75
2/15/2018	Reform New Wastewater Treatment Plant (Supplemental)	\$30,000.00	\$7,368.75	\$37,368.75
2/15/2018	Rogersville Sewer System Improvements	\$40,000.00	\$10,670.00	\$50,670.00
2/15/2018	Selma Sanitary Sewer Rehabilitation & Replacement	\$0.00	\$46,181.25	\$46,181.25
2/15/2018	Sheffield WWTP and Sewer Rehabilitation	\$475,000.00	\$150,350.00	\$625,350.00
2/15/2018	Sheffield WWTP and Sewer Rehabilitation (Supplemental)	\$190,000.00	\$55,462.50	\$245,462.50
2/15/2018	Slocomb Sanitary Sewer Improvements	\$50,000.00	\$12,337.50	\$62,337.50
2/15/2018	South Alabama Utilities Decentralized Sewer Project	\$170,000.00	\$38,762.50	\$208,762.50
2/15/2018	South Alabama Utilities Lagoon Closure & Phosphorus Removal	\$0.00	\$25,087.50	\$25,087.50
2/15/2018	South Alabama Utilities Sewer Improvements	\$170,000.00	\$19,901.25	\$189,901.25
2/15/2018	South Dallas Sanitary Sewer Improvements	\$25,000.00	\$2,800.00	\$27,800.00
2/15/2018	St. Elmo - Irvington Sewer Improvements	\$125,000.00	\$33,131.25	\$158,131.25
2/15/2018	Sylacauga Sewer Improvements (Supplemental)	\$65,000.00	\$7,396.25	\$72,396.25
2/15/2018	Troy Outfall Sewer Improvements	\$0.00	\$20,562.50	\$20,562.50
2/15/2018	Troy Sanitary Sewer Improvements	\$0.00	\$56,717.50	\$56,717.50
2/15/2018	Tuscaloosa Interceptor Replacement	\$0.00	\$16,512.25	\$16,512.25

Date	Project	Principal	Interest	Total Payment
2/15/2018	Tuskegee Wastewater Collection System Improvements	\$0.00	\$22,630.00	\$22,630.00
2/15/2018	Vernon Lagoon Rehabilitation - 2014		\$5,906.25	\$5,906.25
2/15/2018	Vestavia Hills Stream Restoration, Wetland, & Greenspace	\$0.00	\$9,450.00	\$9,450.00
2/15/2018	West Morgan - East Lawrence Sanitary Sewer Improvements	\$30,000.00	\$3,355.00	\$33,355.00
6/4/2018	Jasper Town Creek Wastewater Treatment Plant Improvements	\$3,950,000.00	\$41,859.03	\$3,991,859.03
8/15/2018	Albertville Biosolids Improvements for Energy Recovery and Beneficial	\$235,000.00	\$64,350.00	\$299,350.00
8/15/2018	Albertville George Wallace Sewer Improvements	\$145,000.00	\$37,240.00	\$182,240.00
8/15/2018	Aliceville West Lagoon Expansion	\$90,000.00	\$5,486.25	\$95,486.25
8/15/2018	Andalusia Interceptor Project	\$15,000.00	\$1,050.00	\$16,050.00
8/15/2018	Andalusia Sanitary Sewer Improvements	\$0.00	\$51,143.75	\$51,143.75
8/15/2018	Andalusia Sewer System Expansion	\$130,000.00	\$7,796.25	\$137,796.25
8/15/2018	Andalusia WWTP Blower Replacement	\$10,000.00	\$3,162.50	\$13,162.50
8/15/2018	Athens Piney Creek & French Mill Creek Interceptor Sewers	\$0.00	\$32,340.00	\$32,340.00
8/15/2018	Atmore Sanitary Sewer Improvements	\$0.00	\$14,030.00	\$14,030.00
8/15/2018	Attalla Sewer Rehab (Ph I) - Camp Silbert Outfall	\$70,000.00	\$2,450.00	\$72,450.00
8/15/2018	Bayou La Batre Sewer System Improvements	\$0.00	\$1,601.25	\$1,601.25
8/15/2018	Berry Wastewater Treatment Plant	\$25,000.00	\$5,775.00	\$30,775.00
8/15/2018	Boaz Slab Creek Wastewater Treatment Plant Improvements	\$250,000.00	\$33,702.50	\$283,702.50
8/15/2018	Boaz Slab Creek WWTP Improvements (Supplemental)	\$195,000.00	\$30,118.75	\$225,118.75
8/15/2018	Brewton 2013 Sewer System Improvements	\$0.00	\$5,206.25	\$5,206.25
8/15/2018	Brundidge 2016 Sewer System Improvements	\$0.00	\$23,100.00	\$23,100.00
8/15/2018	Childersburg Sewer System Improvements	\$200,000.00	\$61,512.50	\$261,512.50
8/15/2018	Coosada Sanitary Sewer Improvements for the Gibson Town Road	\$20,000.00	\$2,100.00	\$22,100.00
8/15/2018	Cullman Wastewater Treatment Plant Improvements	\$0.00	\$39,206.25	\$39,206.25
8/15/2018	Cullman WWTP Upgrade & Cracker Barrel Lift Station Replacement	\$145,000.00	\$35,035.00	\$180,035.00
8/15/2018	Dadeville Water, Sewer, and Gas Board WWTP Headworks	\$5,000.00	\$1,052.33	\$6,052.33
8/15/2018	Daphne Wastewater Infrastructure Improvements	\$0.00	\$37,122.50	\$37,122.50
8/15/2018	Decatur Dry Creek WWTP Ph II Upgr, Rehab & Inter.	\$1,015,000.00	\$41,303.25	\$1,056,303.25
8/15/2018	Decatur Wastewater Plant Improvements	\$35,000.00	\$9,900.00	\$44,900.00
8/15/2018	Decatur Wastewater System Improvements	\$455,000.00	\$141,837.50	\$596,837.50
8/15/2018	Dothan 2014 CWSRF Wastewater System Improvement Program	\$825,000.00	\$189,900.00	\$1,014,900.00
8/15/2018	Dothan Cypress Cr. WWTP, Inter & Collectors	\$665,000.00	\$46,914.75	\$711,914.75
8/15/2018	Dothan Cypress Cr. WWTP, Inter & Collectors (Supplemental)	\$390,000.00	\$26,312.50	\$416,312.50
8/15/2018	Dothan Little Choctahatchee WWTF Upgrade and Interceptors	\$125,000.00	\$35,350.00	\$160,350.00
8/15/2018	Dothan Omussee Creek WWTP Improvements	\$0.00	\$415,140.00	\$415,140.00
8/15/2018	Dothan Sanitary Sewer Enhancement Program	\$0.00	\$40,067.50	\$40,067.50
8/15/2018	Dothan Wastewater System Improvement Program	\$310,000.00	\$83,375.00	\$393,375.00
8/15/2018	Floralá Sewer Collection Improvements	\$0.00	\$4,180.00	\$4,180.00
8/15/2018	Floralá Sewer Collection Improvements (Supp)	\$5,000.00	\$1,375.00	\$6,375.00
8/15/2018	Florence WWTP Upgrade & Inter. (Supplemental A)	\$1,355,000.00	\$54,034.25	\$1,409,034.25
8/15/2018	Florence WWTP Upgrade & Inter. (Supplemental B)	\$335,000.00	\$13,556.75	\$348,556.75
8/15/2018	Florence WWTP Upgrade & Interceptor	\$1,410,000.00	\$56,475.75	\$1,466,475.75
8/15/2018	Florence WWTP Upgrade & River Interceptor (Supp C)	\$835,000.00	\$34,060.50	\$869,060.50
8/15/2018	Fort Payne Wastewater Pumping and Transmission Facilities	\$0.00	\$10,385.00	\$10,385.00
8/15/2018	Fort Payne WWTP Upgrade	\$735,000.00	\$11,686.50	\$746,686.50
8/15/2018	Fort Payne WWTP Upgrades	\$0.00	\$4,950.00	\$4,950.00
8/15/2018	Georgiana WWTP Upgrades	\$0.00	\$10,718.75	\$10,718.75
8/15/2018	Goodwater Sewer Rehabilitation (CDBG)	\$0.00	\$288.75	\$288.75
8/15/2018	Grand Bay - South Mobile County Elementary School WWTP	\$0.00	\$2,897.50	\$2,897.50
8/15/2018	Grand Bay Decentralized Wastewater Treatment Plants	\$25,000.00	\$5,162.50	\$30,162.50
8/15/2018	Grand Bay Hall Road Decentralized WWTP & Forcemain Project	\$0.00	\$27,912.50	\$27,912.50
8/15/2018	Guntersville East Lake WWTP Improvements	\$290,000.00	\$48,425.00	\$338,425.00
8/15/2018	Guntersville Eastlake WWTP Improvements	\$400,000.00	\$185,735.00	\$585,735.00
8/15/2018	Guntersville Sanitary Sewer Extension	\$130,000.00	\$12,250.00	\$142,250.00
8/15/2018	Hanceville WWTP Solar Energy System	\$0.00	\$3,630.00	\$3,630.00

Date	Project	Principal	Interest	Total Payment
8/15/2018	Hartselle Infiltration and Inflow Mitigation/Rehabilitation	\$0.00	\$9,302.50	\$9,302.50
8/15/2018	Hartselle Inflow/Infiltration Mitigation Project	\$95,000.00	\$10,937.50	\$105,937.50
8/15/2018	Helena WWTP Upgrade	\$0.00	\$84,600.00	\$84,600.00
8/15/2018	Huntsville 5-Year Capital Improvement Program	\$785,000.00	\$53,187.50	\$838,187.50
8/15/2018	Huntsville Rehab & Interceptors	\$950,000.00	\$52,656.75	\$1,002,656.75
8/15/2018	Huntsville Spring Branch WWTP Improvements	\$90,000.00	\$24,795.00	\$114,795.00
8/15/2018	Huntsville WWTP & Outfall	\$1,070,000.00	\$42,662.00	\$1,112,662.00
8/15/2018	Huntsville WWTP Upgrade, Rehab & Interceptor	\$1,130,000.00	\$45,167.75	\$1,175,167.75
8/15/2018	Jackson Sewer Lagoon Upgrades	\$20,000.00	\$6,387.50	\$26,387.50
8/15/2018	Jackson Sewer Lagoon Upgrades (Supplemental)	\$0.00	\$5,510.00	\$5,510.00
8/15/2018	Jacksonville WRRF and Collection System Improvements	\$0.00	\$98,670.00	\$98,670.00
8/15/2018	Jemison Municipal Water Works WWTP Filter Project	\$0.00	\$2,803.77	\$2,803.77
8/15/2018	Madison Interceptors	\$200,000.00	\$3,180.00	\$203,180.00
8/15/2018	Madison Wastewater Treatment Plant & Interceptors	\$1,165,000.00	\$78,750.00	\$1,243,750.00
8/15/2018	Madison WWTP Headworks & Secondary Treatment Improvements	\$0.00	\$31,850.00	\$31,850.00
8/15/2018	Millbrook Sewer Efficiency and Reuse Improvements, Phase I	\$0.00	\$9,497.50	\$9,497.50
8/15/2018	Millbrook WWTP Upgrade	\$95,000.00	\$1,900.00	\$96,900.00
8/15/2018	Mobile Perch Creek Force Main and I/I Correction	\$565,000.00	\$66,261.25	\$631,261.25
8/15/2018	Mobile Sanitary Sewer Improvements	\$1,025,000.00	\$39,937.50	\$1,064,937.50
8/15/2018	Mobile Smith WWTF & Regional Force Main, Pump Station & Outfall	\$0.00	\$219,892.50	\$219,892.50
8/15/2018	Mobile Various Sanitary Sewer System Improvements	\$820,000.00	\$210,595.00	\$1,030,595.00
8/15/2018	Mobile's C.C. Williams WWTF Improvements	\$845,000.00	\$215,538.75	\$1,060,538.75
8/15/2018	Montevallo Wastewater System Improvements	\$235,000.00	\$66,850.00	\$301,850.00
8/15/2018	Montevallo Wastewater System Improvements (Supplemental)	\$0.00	\$16,895.00	\$16,895.00
8/15/2018	Montgomery Genetta Ditch Stream Restoration & Constructed	\$45,000.00	\$13,702.50	\$58,702.50
8/15/2018	Moody Sewer Connection to Argo System	\$45,000.00	\$10,656.25	\$55,656.25
8/15/2018	Moulton Crow Branch Interceptor Sewer Replacement & Rehab	\$70,000.00	\$17,500.00	\$87,500.00
8/15/2018	Moundville Sewer Collection System Rehabilitation	\$10,000.00	\$2,362.50	\$12,362.50
8/15/2018	North Baldwin Harry Still Sr. WWTP Blower Upgrade	\$20,000.00	\$5,655.00	\$25,655.00
8/15/2018	North Baldwin Utilities Wastewater System SCADA Integration	\$25,000.00	\$7,150.00	\$32,150.00
8/15/2018	Notasulga WWTP & Collectors	\$25,000.00	\$468.75	\$25,468.75
8/15/2018	Odenville Sewer Force Main and Telemetry Upgrades	\$0.00	\$10,596.25	\$10,596.25
8/15/2018	Oneonta Sewer Improvements	\$55,000.00	\$3,272.50	\$58,272.50
8/15/2018	Opp Pumping Stations and Lagoon Improvements	\$35,000.00	\$2,021.25	\$37,021.25
8/15/2018	Pelham WWTP Upgrade	\$610,000.00	\$15,934.00	\$625,934.00
8/15/2018	Pelham WWTP Upgrade (Supplemental) & Hunters Glen Interceptors	\$865,000.00	\$22,616.00	\$887,616.00
8/15/2018	Pell City Sanitary Sewer System Upgrade and Rehabilitation	\$520,000.00	\$161,087.50	\$681,087.50
8/15/2018	Prattville North Silver Hills Drainage Canal Restoration	\$0.00	\$4,235.00	\$4,235.00
8/15/2018	Prattville Pine Creek and Autauga Creek WWTP Improvements	\$0.00	\$184,800.00	\$184,800.00
8/15/2018	Prattville Woodvale Drainage Canal Restoration	\$0.00	\$1,980.00	\$1,980.00
8/15/2018	Red Bay Sanitary Sewer Improvements	\$15,000.00	\$3,600.00	\$18,600.00
8/15/2018	Red Bay Wastewater Treatment Lagoon and Lift Station	\$20,000.00	\$5,425.00	\$25,425.00
8/15/2018	Reform New Wastewater Treatment Plant	\$45,000.00	\$10,473.75	\$55,473.75
8/15/2018	Reform New Wastewater Treatment Plant (Supplemental)	\$0.00	\$7,031.25	\$7,031.25
8/15/2018	Rogersville Sewer System Improvements	\$0.00	\$10,230.00	\$10,230.00
8/15/2018	Selma Sanitary Sewer Rehabilitation & Replacement	\$175,000.00	\$46,181.25	\$221,181.25
8/15/2018	Sheffield WWTP and Sewer Rehabilitation	\$0.00	\$142,987.50	\$142,987.50
8/15/2018	Sheffield WWTP and Sewer Rehabilitation (Supplemental)	\$0.00	\$52,707.50	\$52,707.50
8/15/2018	Slocomb Sanitary Sewer Improvements	\$0.00	\$11,462.50	\$11,462.50
8/15/2018	South Alabama Utilities Decentralized Sewer Project	\$0.00	\$35,912.50	\$35,912.50
8/15/2018	South Alabama Utilities Lagoon Closure & Phosphorus Removal	\$110,000.00	\$25,087.50	\$135,087.50
8/15/2018	South Alabama Utilities Sewer Improvements	\$0.00	\$17,308.75	\$17,308.75
8/15/2018	South Dallas Sanitary Sewer Improvements	\$0.00	\$2,362.50	\$2,362.50
8/15/2018	St. Elmo - Irvington Sewer Improvements	\$0.00	\$31,725.00	\$31,725.00
8/15/2018	Sylacauga Sewer Improvements (Supplemental)	\$0.00	\$6,405.00	\$6,405.00

Date	Project	Principal	Interest	Total Payment
8/15/2018	Troy Outfall Sewer Improvements	\$70,000.00	\$20,562.50	\$90,562.50
8/15/2018	Troy Sanitary Sewer Improvements	\$220,000.00	\$56,717.50	\$276,717.50
8/15/2018	Tuscaloosa Interceptor Replacement	\$630,000.00	\$16,512.25	\$646,512.25
8/15/2018	Tuscaloosa Sanitary Sewer Improvements	\$875,000.00	\$177,617.00	\$1,052,617.00
8/15/2018	Tuskegee Wastewater Collection System Improvements	\$85,000.00	\$22,630.00	\$107,630.00
8/15/2018	Vernon Lagoon Rehabilitation - 2014	\$30,000.00	\$5,906.25	\$35,906.25
8/15/2018	Vestavia Hills Stream Restoration, Wetland, & Greenspace	\$40,000.00	\$9,450.00	\$49,450.00
8/15/2018	West Morgan - East Lawrence Sanitary Sewer Improvements	\$0.00	\$2,897.50	\$2,897.50
		\$43,315,000.00	\$9,055,540.38	\$52,370,540.38

State of Alabama
Alabama Department of Environmental Management
Clean Water State Revolving Fund (CWSRF) Program



SRF Section
Permits and Services Division
Alabama Department of Environmental Management
Post Office Box 301463
Montgomery, Alabama 36130-1463

(334) 271-7796
(334) 271-7950 FAX

CWSRF Intended Use Plan



Fiscal Year 2018

TABLE OF CONTENTS

I. INTRODUCTION3

II. PROGRAM GOALS3

A. Short Term Goals:.....3

B. Long Term Goals:.....3

III. SOURCES AND USE OF FUNDS4

IV. WRRDA IMPLEMENTATION.....6

A. Fiscal Sustainability Plans:.....5

B. Architectural and Engineering (A/E) Services Procurement:.....5

C. Cost and Effectiveness Certification:.....5

D. Affordability Criteria:.....5

E. Extended Term Financing:.....6

V. PROJECT SELECTION AND METHODS OF DISTRIBUTION OF FUNDS6

A. Priority List:.....5

B. Additional Subsidization:.....6

C. Green Project Reserve:.....6

D. Prevailing Wages:.....7

E. Inadequate Allocations:.....7

F. Unanticipated and Uncommitted Funds:.....7

G. Project Bypass/Reallotment:.....7

VI. CERTIFICATIONS8

VII. PROGRAM INCOME8

VIII. ESTIMATED CWSRF CAPITALIZATION GRANT SCHEDULES.....9

A. Estimated Grant Draw Schedule:9

B. Estimated Grant Dispersal Schedule:.....9

C. Grant Budget Periods:10

IX. PROJECT LIST11

X. PROJECT DESCRIPTIONS.....12

I. Introduction:

As required by Title VI of the Clean Water Act, each year the Department must prepare an Intended Use Plan (IUP) identifying the projected uses of funds available in its Clean Water State Revolving Fund (CWSRF). This Intended Use Plan (IUP) serves as a basis for the development of the capitalization grant payment schedule.

The State of Alabama will receive an EPA Capitalization Grant of \$17,948,000 from EPA that will be used to provide low interest financial assistance for the CWSRF program. The 20% State matching fund requirement for the capitalization grant is \$3,589,600 and will be fulfilled by an overmatch of State Match Bonds issued in previous years' and a contribution from ADEM State Enforcement Action (see Projected Sources). The capitalization grant funds for the CWSRF and the 20% State matching funds will be distributed as outlined by this plan.

In accordance with the Clean Water Act (CWA) Amendments of 1987, the Department proposes the following plan for the intended use of the CWSRF funds for FY 2018 as required by Section 606(c) of the CWA.

II. Program Goals:

A. Short Term Goals:

1. To provide CWSRF assistance to the extent there are sufficient eligible project applications, not less than 10% of the CWSRF Capitalization Grant for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. These four categories of projects are the components of the Green Project Reserve.
2. To provide CWSRF loans with additional subsidization in the form of principal forgiveness for not less than 10% of the CWSRF Capitalization Grant. (\$1,794,800)
3. To implement the State's CWSRF in compliance with Title VI of the Clean Water Act and to ensure conformance with Federal crosscutting issues as required by the 1987 Clean Water Act amendments.
4. To ensure compliance with the "first use" requirements which require that CWSRF assistance be available to projects which are members of the National Municipal Policy (NMP) universe; projects which have legally enforceable compliance schedules.
5. To achieve statewide compliance with Federal and State water quality standards, particularly with the NMP as rapidly as possible.
6. To protect the public health and the environment and promote the completion of cost-effective wastewater treatment facilities.

B. Long Term Goals:

1. To maintain the CWSRF program and the fiscal integrity of the fund.
2. To provide a self-perpetuating source of financial assistance for the construction of public wastewater treatment and transport facilities needed to meet water quality standards and provide capacity for future growth.
3. To assure that all Municipal NMP facilities achieve compliance as soon as possible.
4. To assure that all municipal facilities achieve compliance with final effluent limits as soon as possible.

5. To assist in the maintenance of water quality standards wherever such standards are adversely affected by municipal wastewater point sources.

6. To meet public health and environmental needs of those communities with malfunctioning on-site treatment systems that are either identified as a health hazard by the State Health Department or that adversely affect water quality.

The Department shall comply with all of the requirements of the latest Operating Agreement made with EPA, including the assurances contained therein. The Operating Agreement is incorporated by reference.

III. Sources and Use of the Funds:

The Department is expected to fund FY 2018 projects using a combination of interest earnings on the Fund, repayments from direct loans and the EPA Capitalization Grant. Match for the EPA Grant will be fulfilled by overmatch of State Match Bonds issued in previous years' and a contribution from ADEM State Enforcement Action. The estimated sources and uses of funds in the FY 2018 CWSRF program are as follows:

Sources:

2018 EPA CWSRF Cap Grant:	\$17,948,000
Direct Loan Repayments, Interest Earnings and Unobligated Funds:	\$32,888,358
State Match	\$3,589,600
<hr/>	
Total:	\$54,425,958

Uses:

Project Assistance:	\$53,528,600
Administrative Costs (projected):	\$897,358
<hr/>	
Total:	\$54,425,958

Projects on the CWSRF Project List are ranked by their respective priority point rating and may be funded according to availability of funds. Projects that are not funded from the Project List may be funded in subsequent years.

The amount reserved for administrative costs is equal to 1/5 percent per year or the Total New Position (\$448,679,005 as of the most recent audited financial statements).

The rate of cash draws from the federal capitalization grant will be based on dollar-for-dollar draws of direct loan projects. Consistent with EPA policy, draws from the federal grant for these direct loan projects are required to be proportional to the disbursement of state match funds to borrowers for eligible project costs. The State intends to manage its disbursements to borrowers to insure that State funds are spent first in order to ensure that the proportionality requirement is met expeditiously. This technique is necessary to ensure that direct loan borrowers funded from federal capitalization grants are able to receive requisitioned funds in a timely manner. It should be noted that overmatch from previous years' programs will be used to match the grant in addition to the appropriation provided by the State Legislature.

IV. Water Resources Reform and Development Act

The Water Resources Reform and Development Act (WRRDA) was enacted on June 10, 2014 and brought several changes to the CWSRF program.

A. Fiscal Sustainability Plans

The Federal Water Pollution Control Act (FWPCA) Section 603(d)(1)(E) requires a recipient of a loan for a project that involves the repair, replacement, or expansion of a publically owned treatment works to develop and implement a Fiscal Sustainability Plan (FSP) or certify that it has developed and implemented an FSP. This provision applies to all loans for which the loan recipient submitted an application on or after October 1, 2014.

The Alabama CWSRF program provides all assistance by purchasing outstanding debt obligations (bonds) from the borrower, thus this requirement does not apply. The Alabama CWSRF program commonly refers to these bond purchase agreements as “loans”, though they are not loans as defined by EPA.

B. Architectural and Engineering (A/E) Services Procurement

For any capitalization grant awarded after October 1, 2014, the State must ensure that all A/E contracts for projects identified as using funds directly from each year’s capitalization grant (i.e. equivalency projects) comply with the elements of the procurement processes for A/E services as identified in 40 U.S.C. 1101 et seq., or an equivalent State requirement. The Alabama CWSRF requires its recipients to comply with the *September 30, 2014 Alabama CWSRF A/E Procurement Requirements*. The Arab Sewer Board (\$8,275,000), City of Tuscaloosa (\$8,500,000), and City of Tallassee (\$4,795,000) loans will be used as equivalency projects for the 2018 Capitalization Grant.

C. Cost and Effectiveness Certification

Section 602(b)(13) requires that CWSRF recipients certify that the recipient has studied the cost and effectiveness of the project and selected the project that maximizes the potential for efficient water use, reuse, recapture and conservation, and energy conservation. The Alabama CWSRF program is requiring each recipient of CWSRF funding to provide a certification in compliance with 602(b)(13). This certification can be found on page 14 of the CWSRF Loan Application (Form 339 M-2).

D. Additional Subsidy and Affordability

Additional subsidy in the form of principal forgiveness shall be made available in total of the required amount for the States 2018 Capitalization Grant Appropriation or the cap set at 603(i)(3) of the Federal Water Pollution Control Act, whichever is less. Additional subsidy would first be provided to eligible Section 319 projects that include green infrastructure intended to mitigate or prevent storm water pollution. Additional subsidy will also be provided in rank order to projects as determined by the Affordability Measure for Alabama. Each project may receive up to a maximum of 50% of the allowable cost in principal forgiveness or a maximum of \$500,000 until the amount has been allocated.

The Affordability Measure for Alabama will be calculated as the sum of the following:

1. Poverty Rate Value: The poverty rate of the county served by the project minus the statewide poverty rate;
2. Unemployment Rate Value: The unemployment rate of the county minus the statewide unemployment rate.
3. If the statewide population has increased over the two most recent 10-year census estimates, the population trend value shall be 1; if it has decreased the population trend value shall be 2.

Projects with an Affordability Measure of more than 10.0 are considered unaffordable according to the criteria.

E. Extended Term Financing

Section 603(d)(1)(A) authorizes CWSRF loans to be made for a term not exceeding the lesser of 30 years or the useful life of the project. Borrowers must demonstrate that the useful life of the project is not less than the extended term of the CWSRF loan. At this time, none of the FY 2018 borrowers have requested an extended term, though that could change as their assistance agreements are underwritten.

V. Project Selection and Methods of Distribution of Funds

A. Priority List

In order to be considered for CWSRF assistance, projects must be on or added to the Priority List and have a proposed project schedule that coincides with the availability of CWSRF funds. The CWSRF project list was developed by identifying the priority point rating for each proposed project. The funding of such projects is also subject to the availability of funds. The Arab Sewer Board (\$8,275,000), City of Tuscaloosa (\$8,500,000), and City of Tallassee (\$4,795,000) loans will be used as equivalency projects for the 2018 Capitalization Grant.

B. Additional Subsidization:

Additional subsidy in the form of principal forgiveness shall be made available in total of the required amount of the 2018 Capitalization Grant Appropriation or the cap set at 603(i)(3) of the Federal Water Pollution Control Act, whichever is less. The attached project list attachment includes projects that may receive principal forgiveness based the subsidy criteria. The Department has authority to provide additional subsidization by the Code of Alabama Section 22-34-3(a).

C. Green Project Reserve:

The EPA capitalization grant requires that, to the extent there are sufficient eligible project applications, not less than 10% of funds provided by the 2018 Capitalization Grant for projects must be used for projects that address green infrastructure, water or energy efficiency, or other environmentally innovative activities. These four categories of projects are the components of the Green Project Reserve (GPR). The Department actively solicited for green infrastructure projects for 2018. This solicitation included a notice posted on the ADEM website as well as a notice sent to approximately 1,200 e-mail addresses on the Department's e-mail list. Approximately 100 entities were mailed hard copies. These lists include all incorporated towns and all county governments.

The accompanying project list identifies four projects that have a component for GPR totaling \$2,301,000. The descriptions indicate which type of GPR project it is, whether it is a categorical GPR project, and how much of the project's cost is applicable to GPR. All applicants on the fundable list that have submitted GPR projects that are not categorical will be required by the Department to submit business case models

Final project component costs applicable to GPR may be revised based on final project submittal, final bid amounts or change in GPR determination.

If it subsequently determined there are insufficient projects that meet any GPR requirements on the fundable portions of the priority list, the Department will revise this Intended Use Plan after soliciting a new round of applications. The Department will identify additional qualifying projects and amend its IUP; if changes within this list fall below the minimum objective.

D. Prevailing Wages

Davis-Bacon wage requirements apply for fiscal year 2018 and each fiscal year thereafter and the requirements of section 513 of the Federal Water Pollution Control Act (33 U.S.C. 1372) shall apply to the construction of treatment works carried out in whole or in part with assistance made available by the CWSRF as authorized by title VI of that Act (33 U.S.C. 1381 et seq.). The

Department will include in all loan agreements and procurement contracts terms and conditions requiring compliance with this requirement.

E. Inadequate Allocations:

If the actual federal CWSRF allocations are less than anticipated by the Department in the development of the CWSRF priority list, the Department may find it necessary to reduce their commitments to projects on the priority list. The Department may take formal action to reduce the number of commitments in accordance with subparagraph 3) of this paragraph.

- 1). The Department may redistribute the CWSRF funds allocated to each project.
- 2). The Department may redistribute funds from lower priority projects to higher priority projects.
- 3). The Department may bypass projects on the priority list in accordance with Section H, below.

F. Unanticipated and Uncommitted Funds:

If unanticipated or uncommitted funds become available, the Department may take action to distribute them in accordance with subparagraphs 1-2 of this paragraph:

- 1). The Department may use the unanticipated or uncommitted funds to fund the highest priority project(s) from the priority list.
- 2). The Department may use the unanticipated or uncommitted funds to increase the amount of funds allocated to CWSRF fundable projects or to provide increased assistance to projects which have already received CWSRF assistance.

Additionally, supplemental loans may be made to previous recipients as needed to complete segmented projects or to cover unanticipated cost overruns.

G. Project Bypass/Reallotment:

The Department may bypass any project on the CWSRF priority list that is not, in the Department's opinion, making satisfactory progress in satisfying requirements for CWSRF assistance. Bypassed projects will be removed from the priority list. In determining whether or not a project is making satisfactory progress in satisfying the requirements for CWSRF assistance, the Department shall use the criteria contained in subparagraphs 1-6 of this paragraph. Funds released through project bypass will be considered as uncommitted and available for redistribution in accordance with this section.

- 1). Any project on the CWSRF Priority List may be bypassed if the applicant fails to submit a complete CWSRF application.
- 2). The Department may use individual project schedules developed by the Department to determine whether or not the project is making satisfactory progress during the fiscal year.

- 3). In order to comply with EPA certification restrictions related to equivalency requirements, it may be necessary to bypass projects which have not complied with Title II requirements and other federal authorities.
- 4). Any project on the CWSRF Priority List may be bypassed if the applicant fails to demonstrate the ability to repay the loan.
- 5). To maintain the fiscal integrity of a leveraged loan program or provide funds for new construction, the Department may choose to bypass projects which involve refinancing of existing debt.
- 6): Projects may be removed from the priority list at the request of the applicant or if the Department finds that the project is ineligible for CWSRF assistance.

VI. Certifications:

1. The Department certifies that this IUP will be subject to public review and comment with a public notice period of 30 days.
2. The Department certifies that all wastewater facility projects in this IUP are on the CWSRF Priority List.
3. The Department certifies that it will enter into binding commitments for 120% of each payment under the CWSRF capitalization grant within one (1) year after receipt of each payment.
4. The Department certifies that it will expend all funds in the CWSRF in an expeditious and timely manner.
5. The Department certifies that all wastewater facilities in the state are in compliance with enforceable requirements or are making progress toward meeting those requirements except as specifically noted in the IUP.
6. The Department certifies that all facilities funded by the CWSRF shall complete a NEPA-like environmental review process.
7. The Department certifies that it will comply with all requirements of the 1997 Operating Agreement with EPA.
8. The Department certifies that it will complete a Benefits Assessment worksheet for each loan agreement executed in order to comply with EPA environmental results reporting requirements.

VII. Program Income:

The Alabama Water Pollution Control Authority, with ADEM as its agent, assesses a 0.75% fee annually based on outstanding principal. These fees are collected twice a year when the recipient initiates repayment of the loan. In accordance with *Guidance on Fees Charged by States to Recipients of Clean Water State Revolving Fund Program Assistance*, published October 20, 2005, fees collected from loans sourced from outstanding grants will be used for administration of the SRF fund only. All other fees will be used to implement the Department’s water pollution control program. The Department expects to receive fees during FY 2018 as follows:

Total Program Income	Program Income Collected During Grant Period	Program Income Collected After Grant Period
\$2,524,903.86	\$61,625.00	\$2,463,278.86

The fee receipts from this loan will be deposited into a subfund of the fee account for SRF administrative use only. Program income collected after the grant period will be used to support water quality related programs of the Department's Water and Field Operations Divisions. The Water Division administers the NPDES

program for municipal and industrial sources, pursuant to which publicly owned treatment works (POTWs) and private facilities are permitted to discharge wastewater to surface waters. In addition to permit issuance/re-issuance, other responsibilities include performing inspections, providing compliance assistance, and ensuring an appropriate enforcement response. The Field Operations Division supports the Water Division by conducting compliance sampling inspections and compliance bio-monitoring inspections of POTWs to evaluate compliance with permit requirements. In addition, facility self-monitoring whole effluent toxicity testing reports are submitted and reviewed. The Division also conducts ambient water quality monitoring activities in the vicinity of these facilities to determine the impacts of the wastewater discharges upon ambient water quality.

The budget for the program income collected after the grant period is as follows:

Personnel	\$1,338,994.00
Fringe Benefits	\$535,598.00
Travel	\$12,000.00
Equipment	\$2,500.00
Supplies	\$1,500.00
Contractual	\$0.00
Other	\$0.00
<hr/>	
Total Direct	\$1,890,592.00
Indirect	\$572,686.86
<hr/>	
Total	\$2,463,278.86

VIII. Estimated CWSRF Capitalization Grant Schedules:

A. Estimated Grant Draw Schedule:

Fiscal Year	Quarter	Draw	
2018	1st	10/1/18 - 12/31/18	\$8,974,000
2018	2nd	1/1/19 - 3/31/19	\$8,974,000
<hr/>			
Total			\$17,948,000

A. Estimated Grant Disbursal Schedule:

Fiscal Year	Quarter	Payment	
2018	1st	10/1/18 - 12/31/18	\$8,974,000
2018	2nd	1/1/19 - 3/31/19	\$8,974,000
<hr/>			
Total			\$17,948,000

Payments are defined as increases to the amount of funds available from the federal SRF capitalization grant. This draft payment schedule is based on the State's projection of binding commitments and disbursements from

the SRF to the members of the SRF project list. The disbursement schedule will essentially coincide with the grant payment schedule as ACH draw requests will be processed only upon submittal of payment requests from loan recipients for actual costs incurred. Funds from the ACH will be disbursed to the recipient immediately.

The disbursement of funds will be in proportion to the amount of state and federal funds provided by the grant and state match. This will be ensured by disbursing all state match funds prior to drawing capitalization grant funds for project disbursements.

C. Capitalization Grant Budget Periods:

2018 EPA CWSRF Capitalization Grant

October 1, 2018 through September 30, 2022

IX. Project Fundable List

County Served	Project Name	NPDES Permit Number(s)	Needs Categories	Priority Point Rank	Assistance Amount	Subsidization Amount (Principal Forgiveness)	* GPR Component Costs	* GPR Type	* GPR Categorical Project	Estimated Construction Start Date	Estimated Project Completion Date
Marshall-Cullman	Arab Sewer Board	AL0056626 AL0020303	I,III-B	135	\$8,275,000					2/1/19	2/1/20
Elmore-Tallapoosa	Tallassee, City of	AL0020486	I,III-B	130	\$4,795,000	\$500,000				9/10/19	12/3/20
Calhoun	Anniston Water Works and Sewer Board	AL0024520	I	120	\$9,610,000					6/1/19	8/1/21
Dale	Midland City, Town of	N/A	III-B	125	\$1,502,000					12/1/18	12/1/19
Baldwin	Spanish Fort, City of	N/A	VI-C	115	\$461,000	\$230,000	\$461,000	Green Infrastructure	Y	5/1/19	9/1/19
Conecuh	Evergreen, City of	AL0047503	I,III-B	105	\$3,800,000	\$500,000	\$1,155,000	Energy Efficiency	Y	5/1/18	2/28/19
Tuscaloosa	Tuscaloosa, City of	AL0022713	V-A	95	\$8,500,000					3/1/19	12/1/20
DeKalb	Fort Payne, City of	AL0023311	I,IV-A	75	\$8,347,000	\$255,000	\$36,000	Energy Efficiency	Y	1/1/19	1/1/20
Franklin	Russellville Water Works and Sewer Board	AL0027987	I	55	\$649,000	\$325,000	\$649,000	Energy Efficiency	Y	6/1/19	12/1/19
Mobile	Saraland, City of	N/A	VI-A	30	\$4,000,000					1/1/19	10/1/19
					\$49,939,000	\$1,810,000	\$2,301,000				

Needs Categories:

- (I) SECONDARY TREATMENT
- (III-B) SEWER REPLACEMENT/REHABILITATION
- (IV-A) NEW COLLECTOR SEWERS AND APPURTENANCES
- (V-A) COMBINED SEWER OVERFLOW CORRECTION- TRADITIONAL INFRASTRUCTURE
- (VI-A) STORMWATER CONVEYANCE INFRASTRUCTURE
- (VI-C) GREEN INFRASTRUCTURE

* Green Project Reserve (GPR) - green infrastructure, water or energy efficiency, or environmentally innovative activities. Actual costs may differ based on Green Infrastructure (see Chapter 4)

X. Project Descriptions

Anniston Choccolocco Creek WWTP Biosolids Improvements and Ft. McClellan WWTP Improvements (Supplemental): The Anniston Water Works & Sewer Board proposes a project to provide wastewater treatment improvements to its wastewater collection system and the Choccolocco Creek and Ft. McClellan Wastewater Treatment Plants (WWTP). Proposed improvements at the Choccolocco Creek WWTP will consist of the replacement of odor control equipment and electrical system improvements. The Ft. McClellan WWTP will receive upgrades to the headworks, aeration basins, clarifiers and disinfection facility to meet regulatory compliance requirements. Various pumping station equipment upgrades will also be performed in the wastewater collection system. Completion of all proposed improvements will provide a more efficient and reliable wastewater treatment system for the Anniston service area by reducing energy and other operational costs while maintaining regulatory compliance.

Arab Wastewater System Improvements: The Arab Sewer Board proposes a project to provide upgrades to the Gilliam Creek WWTP; the Riley Maze WWTP; and the collection system. Proposed improvements will consist of upgrades to the sludge processing and chlorination facilities as well as the installation of more than 48,000 LF of gravity sewer line associated with both WWTPs. The improvements represent a comprehensive corrective action response to a recent Consent Order (issued by The Department) for permit violations. Completion of these improvements will provide increased treatment reliability and effluent flow quality to the local surface waters; resulting in permit compliance.

Fort Payne WWTP Upgrades & Collection System Extension: The City of Fort Payne has proposed a project to provide upgrades to the Fort Payne WWTP and wastewater collection system. Proposed improvements to the treatment facility include replacement of the existing filtration system with upgrades to various components of the screw pump stations for improved wastewater conveyance. A new operations building is also proposed to provide sufficient office space for personnel as well as house a new testing laboratory and various electrical control systems. The treatment facility's remote monitoring system will also be equipped with a telephone notification system for emergency alert capability. The City's gravity collection system will be extended to serve the Terrapin Hills community and existing wastewater pump stations will be upgraded with remote monitoring equipment for status monitoring and emergency alerts. Completion of the proposed improvements will provide a more efficient, reliable wastewater treatment system for the City. Moreover, this project will provide an authorized wastewater discharge alternative for the Terrapin Hills community and satisfy current litigation and regulatory compliance requirements with The Department.

Tallassee Wastewater Infrastructure Improvements: The City of Tallassee has proposed to construct a new wastewater treatment plant and rehabilitate key infrastructure in the sanitary sewer collection system. Rehabilitation of infrastructure will include a full investigation of the current in-situ infrastructure conditions of both piping and manholes as well as specific improvements to 17,050 linear feet of sanitary sewer piping and manholes. The new wastewater treatment plant will give the City of Tallassee a long term solution to meeting current NPDES permit limits.

Spanish Fort Wakefield Canal Restoration: The City of Spanish Fort proposes restoration and improvements to the existing Wakefield Canal. Wakefield Canal is a naturally occurring drainage canal north of Wakefield Drive which flows as outfall to Boggy Branch which in turn flows into Bay Minette Creek. Bay Minette Creek is listed as a 303d impaired stream segment. Proposed improvements will utilize a step down conveyance system, erosion control mats and grass pavers, and reinforced concrete block mats in reestablishing bank vegetation and re-stabilizing eroded slopes. The improvements will enhance aquatic habitat while alleviating the excessive sediment erosion and debris accumulation currently exhibited within the canal.

Tuscaloosa Sewer Improvements: The City of Tuscaloosa has proposed to repair existing Lift Stations 10 and 11 in order to reduce Sanitary Sewer Overflows (SSOs) during rain events. An equalization basin may be constructed for this project. The City also proposes to build an equalization basin for Lift Station 21 to reduce SSOs during rain events. Alternate projects to repair Air Release Valves (ARVs) along the Mercedes Sewer Force Main, upgrades to Lift Station 3, and repairs to the 39th Street sewer lines. Completion of these projects will result in fewer SSOs and an improvement in compliance.

Russellville Wastewater Treatment Upgrade: The Russellville Water and Sewer Board have proposed to replace the current UV disinfection system with a new, more energy efficient system. The result of the project will be continued disinfection of the wastewater effluent with reduced electricity usage and lower operation costs.

Midland City Sanitary Sewer Rehabilitation: Midland City has proposed several action items in an effort to completely rehabilitate the town's failing sanitary sewer system. The proposed project includes: an assessment of the entire collection and transmission pipe system, mapping of any issues within the system, lining of pipes where appropriate, pipe replacement when necessary, rehabilitation of manholes, and replacement of service lateral connections where the seals have been compromised. This rehabilitation project will alleviate water tightness issues within the system and prevent any outside infiltration from surface and groundwater.

Saraland Drainage Infrastructure Improvements: The City of Saraland has proposed improvements to two existing drainage area infrastructure systems, First and Second Avenues and Craig Drive. The improvements will consist of pipeline installation and natural draining enhancements to effectively accommodate 25-year storm events.

Evergreen Wastewater Treatment Plant Upgrade: The City of Evergreen proposes to upgrade the wastewater treatment plant to provide additional treatment. Improvements include rehabilitating the inside of the lagoon dikes, replacement of aerators with energy efficient aerators, addition of a dissolved air flotation unit for effluent treatment, cleaning primary cells, replacement of lagoon inlet piping, and replacing inlet pump station with an energy efficient pump station. Completion of these improvements will enable the treatment plant to meet the current NPDES permit requirements and eliminate the violations which have been occurring, provide more efficient treatment, prevent deterioration of the lagoon dikes, and improve the quality of the effluent.