



State of Alabama  
Alabama Department of Environmental Management  
Drinking Water State Revolving Fund (DWSRF) Loan Program

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

(334) 271-7714  
[srf@adem.alabama.gov](mailto:srf@adem.alabama.gov)

---

# DWSRF IIJA Emerging Contaminants Intended Use Plan



**Fiscal Year 2024**

## TABLE OF CONTENTS

<b>I. INTRODUCTION.....</b>	<b>3</b>
<b>II. PROGRAM GOAL.....</b>	<b>3</b>
A. SHORT-TERM GOALS (OUTPUTS) .....	3
B. LONG TERM GOALS (OUTCOMES) .....	4
C. PROGRAM CHANGES.....	4
<b>III. SOURCES AND USES OF FUNDS: .....</b>	<b>4</b>
PROJECTED SOURCES:.....	5
PROJECTED USES.....:	5
A. LEVERAGING .....	5
B. TRANSFER OF FUNDS .....	5
C. ELIGIBLE PROJECTS TO BE FUNDED .....	5
D. FINANCIAL TERMS OF LOANS.....	5
<b>IV. PROJECT SELECTION AND METHOD FOR DISTRIBUTION OF FUNDS.....</b>	<b>6</b>
A. PRIORITY LIST .....	6
B. ADDITIONAL SUBSIDIZATION:.....	6
C. PREVAILING WAGES.....	7
D. BUILD AMERICA, BUY AMERICA (BABA) .....	8
E. INADEQUATE ALLOCATIONS.....	8
E. DISTRIBUTION OF FUNDS TO SET-ASIDE ACCOUNTS .....	8
F. SELECTION OF SYSTEMS TO RECEIVE ASSISTANCE.....	8
G. PROJECT BYPASS/REALLOTMENT:.....	9
<b>V. SET-ASIDE ACTIVITIES .....</b>	<b>10</b>
A. ADMINISTRATIVE SET-ASIDE .....	10
<b>VI. CERTIFICATION.....</b>	<b>10</b>
<b>VII. PROGRAM INCOME.....</b>	<b>11</b>
<b>VIII: ESTIMATED DWSRF CAPITALIZATION GRANT SCHEDULES/TIMELINE .....</b>	<b>11</b>
A. ESTIMATED GRANT DRAW SCHEDULE .....	11
B. ESTIMATED GRANT DISBURSAL SCHEDULE .....	12
C. CAPITALIZATION GRANT BUDGET PERIODS:.....	13
<b>IX. PUBLIC PARTICIPATION .....</b>	<b>13</b>
<b>X. REPORTING .....</b>	<b>13</b>

**ATTACHMENT 1 – PROJECT PRIORITY**

**ATTACHMENT 2 – PROJECT DESCRIPTIONS**

**ATTACHMENT 3 – ALABAMA DWSRF PRE-APPLICATION FORM**

## **I. Introduction**

The Safe Drinking Water Act (SDWA) Amendments of 1996 authorized a Drinking Water State Revolving Fund (DWSRF) for the purpose of assisting public water systems to finance the cost of potable water infrastructure. The U.S. Environmental Protection Agency (EPA) is authorized to award capitalization grants to the States, which in turn administer the DWSRF program. The Infrastructure and Investment Jobs Acts (IIJA) was implemented on November 15, 2021. The IIJA provides an additional supplemental appropriation to address exposure to perfluoroalkyl and polyfluoroalkyl substances (PFAS) and other emerging contaminants through their drinking water. Given the clear Congressional intent that these funds focus on projects addressing perfluoroalkyl and polyfluoroalkyl substances (hereinafter PFAS), EPA expects states to actively solicit and prioritize PFAS focused projects. States, however, have the flexibility to fund projects for any contaminant in any of EPA Contaminant Candidate Lists.

The Intended Use Plan (IUP) describes how the State intends to use available IIJA-DWSRF Emerging Contaminants (IIJA-DWSRF-EC) funds for the year to meet the objectives of the SDWA and IIJA and further the goal of protecting public health.

The State of Alabama is applying for \$13,905,000 (\$36,000 in fiscal year 2022 reallocations and \$379,000 in fiscal year 2023 reallocations) that will be used to provide financial assistance in the form of 100% principal forgiveness loans from the DWSRF program. The IIJA-DWSRF-EC capitalization grant does not require a match; therefore, no match funds will be appropriated from the State for this program. At least 25% (\$3,476,250) of the DWSRF IIJA EC Capitalization Grant will be subsidization to the state-defined disadvantaged communities OR communities serving a population of 25,000 or less. The projects listed in the project priority table (in Attachment 1) show the population for each community. As shown in the project priority list, Colbert County Commission will connect a newly constructed Reverse Osmosis (RO) system to multiple smaller communities. In addition, the total funding amount to communities of 25,000 or less is \$9,370,656 (69%) in fiscal year 2024.

ADEM has set its short and long term goals of this IUP to align with EPA's strategic goals and objectives [FY 2022-2026 EPA Strategic Plan](#). The Office of Water has identified specific measures that address the strategic goals and objectives outlined by EPA in its strategic plan. A basis for each goal in this program IUP has been identified. These references ensure that all of the specific commitments made by the State are properly correlated to the strategic goals and objectives of the Agency.

Alabama agrees to comply with all Civil Rights Laws, including The Age Discrimination Act of 1975, Section 504 of the Rehabilitation Act of 1973, and Title VI of the Civil Rights Act, which prohibit discrimination in the provision of services or benefits, on the basis of race, color, national origin, sex, handicap or age.

## **II. Program Goals**

### **A. Short-term goals (Outputs)**

1. To support American workers, renew the water workforce, and cultivate domestic manufacturing by ensuring compliance with the Davis-Bacon Act and American Iron and Steel (AIS) and Build America Buy America (BABA) requirements. (Deliverable)
2. To Address Polyfluoroalkyl Substances (PFAS) and other emerging contaminants in Drinking Water through the DWSRF-IIJA-EC funding.

3. To protect the public health and the environment and promote the completion of cost-effective water treatment, storage, and distribution facilities.

## **B. Long term goals (Outcomes)**

1. To maintain the DWSRF program and the long-term fiscal integrity of the fund.
2. To provide a self-perpetuating source of financial assistance for the construction of public water treatment and distribution facilities needed to meet the public health goals of the Safe Drinking Water Act.
3. To fund projects which will have a positive impact on public health and ensure compliance with the Safe Drinking Water Act.
4. To assist systems in ensuring affordable water supply.
5. To ensure safe drinking water and reliable water infrastructure by providing funding for projects that ensure compliance with drinking water national primary drinking water rules or return systems to compliance.
6. To protect and restore waterbodies and watersheds by addressing sources of water pollution and ensure water quality standards are protective of the health and needs of all people and ecosystems.
7. Alabama will ensure Clean and Safe Water for All Communities by funding projects that prioritize Safe Drinking Water and Reliable Water Infrastructure and Protect and Restore Waterbodies and Watersheds by addressing sources of water pollution and projects that ensure water quality standards are protective of the health and environment.

The Department shall comply with all of the requirements of the Operating Agreement made with EPA dated August 8, 1998, including the assurances contained therein. The Operating Agreement is incorporated by reference.

The Department is in compliance with the operator certification and capacity development regulations along with the associated reporting requirements.

## **C. Program Changes**

No major changes to the program are proposed for this fiscal year.

## **III. Sources and Uses of Funds:**

The estimated sources and uses of funds in the FY 2024 DWSRF-IIJA-EC program are as follows:

**Projected Sources:**

2024 EPA DWSRF IIJA EC Cap Grant:	\$13,905,000
DWSRF State Match:	\$0
Interest Earnings, Repayments, and Unobligated Funds	\$0
Total:	\$13,905,000

**Projected Uses:**

Project Assistance FY24 Cap Grant (DA):	\$13,905,000
10% State Program Management:	\$0
15% Local Assistance:	\$0
Administrative Cost (4%):	\$0
Total:	\$13,905,000

**A. Leveraging**

The Department does not intend to issue DWSRF revenue bonds for new projects during FY 2024.

**B. Transfer of Funds**

In accordance with 40 CFR 35.3530, the Alabama Department of Environmental Management (the Department) reserves the right to transfer funds from the Clean Water State Revolving Fund Bipartisan Infrastructure Legislation Emerging Contaminants (CWSRF IIJA EC) to the DWSRF IIJA EC. Funds transferred from the CWSRF IIJA EC to the DWSRF IIJA EC are to be used to fulfill the DWSRF EC infrastructure financing demand as needed.

**C. Eligible Projects to be Funded**

For a project or activity to be eligible for funding under this appropriation, it must otherwise be DWSRF eligible and the primary purpose must be to address emerging contaminants found on the EPA Contaminant Candidate Lists (CCL) to meet the congressional intention of the IIJA EC Capitalization Grant, in drinking water. These projects include, but are not limited to, the planning, design, and construction of improvements to eliminate emerging contaminants such as:

- Rehabilitate or develop water sources to replace contaminated sources;
- Install or upgrade treatment facilities if the project would improve the quality of drinking water to comply with primary or secondary standards;
- Consolidate water supplies when customers have an inadequate quantity of water, the water supply is contaminated, or the system is unable to maintain compliance for financial or managerial reasons; and
- Other projects meeting the priority objectives of the program.

**D. Financial terms of loans**

The Fund will offer loans for up to 100 percent of allowable project costs for projects addressing emerging contaminants in drinking water. Such loans must be made such that the total amount of funding is provided with 100 percent principal forgiveness.

Project fund disbursements to recipients at intervals as work progresses and expenses are incurred and approved.

The specific terms and conditions of the funds shall be incorporated in the financial agreement to be executed by the recipient and the Department.

#### **IV. Project Selection and Method for Distribution of Funds**

##### **A. Priority List**

In order to be considered for DWSRF-IIJA-EC assistance, the project must be addressing emerging contaminants found on EPA's CCL in drinking water, must be on or added to the Priority List, and have a proposed project schedule that coincides with the availability of DWSRF-IIJA-EC funds. The DWSRF-IIJA-EC priority list was developed by identifying the priority point rating for each proposed project. By prioritizing ECs on the EPA CCL to meet the congressional intention of the IIJA EC Capitalization Grant, any regulated contaminant will be ineligible for this funding. Additionally, ranking of potential projects was based on the detected concentration of an EC listed on EPA CCL. The funding of such projects is also subject to the availability of funds.

The State reserves the right to fund projects not on the priority list, on an emergency basis, if funds are available. Emergency projects would include those where some type of failure was unanticipated and requires immediate attention to protect public health. Additionally, supplemental loans may be issued to previous recipients as needed to complete segmented projects or to cover cost overruns. See Attachment 1.

All projects funded from the DWSRF IIJA EC allocation are considered equivalency projects and will meet applicable requirements for equivalency.

##### **B. Additional Subsidization:**

The 2024 IIJA-DWSRF-EC Capitalization Grant includes a requirement for a minimum of \$13,601,000 (100%) be provided as assistance with additional subsidy. The Department will meet these requirements by offering selected borrowers additional subsidization in the form of principal forgiveness. The Department expects to allocate principal forgiveness to projects in communities determined to be disadvantaged and/or for those communities implementing projects that have the largest reduction in emerging contaminants. Communities are assessed as disadvantaged based on calculation of the disadvantaged rank and eligibility of the project. The ranking takes into consideration the following factors:

- Size of the Community
- Financial Capability
- Current Rates for Drinking Water (Annual average water bill and Median Household Income)

The Department will utilize Table 1 to evaluate and score projects to determine principal forgiveness ranking. The highest ranked projects are considered disadvantaged and will receive principal forgiveness until it is exhausted (see Attachment 1). Any subsequent revision to this project list will ensure principal forgiveness will be provided to meet the required percentage of the Capitalization Grant.

Criteria	Points
<10,000 population	1
<1.1x coverage ratio	1
Ratio of Water Bill/MHHI	Actual Number

Table 1

A community is defined as disadvantaged if the sum of the criteria for population or coverage ratio results in a total value greater than 1 point or the ratio of water bill to median household income is greater than 1. A community can be defined as disadvantaged based on an individual category (i.e., financially disadvantaged, small, etc.); however, the disadvantaged rank will be determined based on the sum of the categories above, when possible.

Each individual category is briefly described below:

- <10,000 population – this is considered a “small” community. Since maintenance and cost of water system improvements is generally based on economy of scale (i.e., higher tax base results in higher tax revenue), a small community would be considered disadvantaged when compared to larger communities.
- <1.1x coverage ratio – A coverage ratio is defined as a borrower’s revenue divided by debt. This metric is meant to capture financial affordability. If a coverage ratio is 1.1x, a community would make 10% more in revenue than they expend in debt. The Department analyzes rate structures and frequency of rate increases to determine if the coverage ratio can be modified. A borrower cannot “afford” a loan if the coverage ratio is less than 1.1x.
- Ratio of Water Bill/MHHI – Along with coverage ratio, this metric determines a community’s ability to increase revenue through rate increases. If a coverage ratio is 1.00 then the rates are appropriate for the median household income of the area. If the rates are higher than one (1) then the applicant may have the ability to increase rates without burdening the service area population. If the ratio is less than one (1), then the population provided water by the project pays more for water than expected based on median household income.

The Department has authority to provide additional subsidization to meet the requirements by the Code of Alabama Section 22-23B-3.

### C. Prevailing Wages

Davis-Bacon wage requirements apply for each fiscal year and the requirements of section 1450(e) of the Safe Drinking Water Act (42 U.S.C. 300j-9(e)) shall apply to any construction project carried out in whole or in part with assistance made available by the DWSRF as authorized by section 1452 of that Act (42 U.S.C. 300j-12). The Department will include in all loan agreements and procurement contracts terms and conditions requiring compliance with this requirement.

#### **D. Build America, Buy America (BABA)**

The Department will implement the Build America Buy America Act (BABA) as stated in 41 USC 8301 for projects funded through DWSRF IIJA Emerging Contaminants.

BABA will be implemented for this fiscal year and be required for certain projects funded through the Drinking Water State Revolving Fund (DWSRF). BABA is considered a federal cross-cutting requirement that applies to SRF assistance equivalent to the federal capitalization grant (i.e., “equivalency” projects). EPA’s SRF regulations at 40 CFR 35.3145 and 35.3575 require states and recipients of SRF funds equivalent to the amount of the federal capitalization grant to comply with federal cross-cutting requirements. Section 70914 of the IIJA, which states when a Buy America preference applies, explains that “none of the funds made available for a Federal financial assistance program for infrastructure...may be obligated for a project unless all of the iron, steel, manufactured products, and construction materials used in the project are produced in the United States.” Therefore, BABA only applies to projects funded in an amount equivalent to the federal capitalization grant.

#### **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 DWSRF 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**

#### **E. Distribution of Funds to Set-Aside Accounts**

EPA provisions allow funds to be set aside from the State Revolving Fund Capitalization Grant for activities such as administration of the SRF Program, operator training and technical assistance, special drinking water projects, and source water assessment. These activities are discussed in “Set-Aside Activities” below.

#### **F. Selection of Systems to Receive Assistance**

Both federal and state law require that a project priority ranking system be developed to determine the priority order of projects to be funded through the DWSRF program. To the maximum extent possible, the DWSRF gives priority for the use of funds to projects that address the most serious risk to human health and are necessary to ensure compliance with the Safe Drinking Water Act. As called for by section 1452(b) of the SDWA, the priority ranking system is designed so that the greatest priority is given to projects that:

1. Address the detection of an EC listed on EPA CCLs.
2. Address the most serious risks to human health and provide the highest nature of benefit



3. Benefit the most people per dollar expended
4. Assist systems most in need on a per household affordability basis as required by the Safe Drinking Water Act
5. Use consolidation with other systems to correct existing deficiencies and improve management.

These considerations are addressed by the Priority Ranking Criteria found in ADEM Administrative Code R. 335-11-2-.04 and in the DWSRF Pre-Application provided in Attachment 3.

When two or more projects score equally under the Project Priority System a tie breaking procedure will be utilized. The project with the smallest number of existing customers served will receive the higher ranking.

A project on the fundable portion of the list may be bypassed and the next eligible project funded if it is determined that the project will not be ready to proceed during the funding year. The Department will give the applicant whose project is to be bypassed written notice. Projects that have been bypassed may be funded at a later date when the project is ready to proceed. Should a system on the funded list decline the loan, the next ranked project shall be offered access to all or a portion of these funds.

#### **G. Project Bypass/Reallotment:**

The Department may bypass any project on the DWSRF Priority List that is not, in the Department's opinion, making satisfactory progress in satisfying requirements for DWSRF 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 DWSRF 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 DWSRF Priority List may be bypassed if the applicant fails to submit a complete DWSRF 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 DWSRF 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 DWSRF assistance.

7. Any changes to projects or allocations within the IUP will be provided for public comment and review at that time. No major changes in projects, scope, or allocations will be made without first soliciting the IUP for public comment for a period of at least 30 days.

## **V. Set-Aside Activities**

### **A. Administrative Set-Aside**

IIJA and SRF Guidelines allow states to set aside up to a maximum of 4% of the grant for SRF administrative costs. The Department is reserving the authority to take the 4% administrative set-aside for future capitalization grants.

## **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 drinking water treatment facility projects in this IUP are on the DWSRF Priority List.
3. The Department certifies that it will enter into binding commitments for 100% of each payment under the DWSRF capitalization grant within one (1) year after receipt of each payment.
4. The Department certifies that it will expend all funds in the DWSRF in an expeditious and timely manner.
5. To provide financial assistance for IIJA DWSRF Emerging Contaminant eligible activities for public water supply facilities on the DWSRF Priority List. Projects which are eligible for traditional DWSRF funding and are addressing emerging contaminants will be eligible for the IIJA Emerging Contaminant Funding.
6. The Department certifies that it will provide financial assistance through the IIJA DWSRF Emerging Contaminant Funding to include additional subsidization in the form of principal forgiveness for not less than the required minimum of 100% of the total capitalization grant. The minimum amount of additional subsidization for the 2024 fiscal year is \$13,490,000. At least 25% of the DWSRF IIJA EC Capitalization Grant additional subsidization will be provided to the state-defined disadvantaged communities OR communities serving a population of 25,000 or less. (Deliverable)
7. The Department certifies that all drinking water 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.
8. The Department certifies that all facilities funded by the DWSRF shall complete a NEPA-like environmental review process.
9. The Department certifies that it will comply with all requirements of the 1997 Operating Agreement with EPA.
10. The Department certifies that it will implement the State's DWSRF in compliance with the Safe Drinking Water Act, IIJA Civil Rights Act, and all applicable Federal crosscutting requirements. (Deliverable)

11. The Department certifies that inspection team will perform timely onsite inspections and monitoring to assure compliance with IIJA BABA, Davis-Bacon wage rules, and American Iron and Steel requirements, and provide deliverables such as notes, checklists, and photos, outlining items in the inspection, staff in attendance and any deviations from the requirements that require addressing. (Deliverable)
12. 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 Drinking Water Finance Authority, with ADEM as its agent, assesses a fee annually based on outstanding principal. These fees vary based on the fiscal year for which the loan agreement was secured. These fees are collected twice a year, when the recipient initiates repayment of the loan. Since the DWSRF-IIJA-EC funds are required to be distributed with 100% additional subsidization, no fees are expected to be collected from these funds.

## **VIII: Estimated DWSRF Capitalization Grant Schedules/Timeline**

### **A. Estimated Grant Draw Schedule**

#### 2024 Capitalization Grant

Fiscal Year	Month	Draw
2024	Jan	\$1,124,174
2024	Feb	\$1,124,166
2024	Mar	\$1,124,166
2024	Apr	\$1,124,166
2024	May	\$1,124,166
2024	Jun	\$1,124,166
2024	Jul	\$1,124,166
2024	Aug	\$1,124,166
2024	Sep	\$1,124,166
2024	Oct	\$1,124,166
2024	Nov	\$1,124,166
2024	Dec	\$1,124,166
Total		\$13,490,000

#### 2022 Rollover Funds

Fiscal Year	Month	Draw
2025	July	\$3,000
2025	Aug	\$3,000
2025	Sep	\$3,000
2025	Oct	\$3,000
2025	Nov	\$3,000
2025	Dec	\$3,000
2025	Jan	\$3,000
2025	Feb	\$3,000
2025	Mar	\$3,000
2026	Apr	\$3,000
2026	May	\$3,000
2026	Jun	\$3,000
Total		\$36,000

## 2023 Rollover Funds

Fiscal Year	Month	Draw
2025	Jul	\$31,583
2025	Aug	\$31,583
2025	Sep	\$31,583
2025	Oct	\$31,583
2025	Nov	\$31,583
2025	Dec	\$31,583
2025	Jan	\$31,583
2025	Feb	\$31,583
2025	Mar	\$31,583
2026	Apr	\$31,583
2026	May	\$31,583
2026	Jun	\$31,587
Total		\$379,000

### **B. Estimated Grant Disbursal Schedule**

#### **i. FY24 Cap Grant**

Payment Quarter	Payment Date	Payment Amount
FY2025/Quarter 1	10/01/2024	\$6,745,000
FY2025/Quarter 2	01/01/2025	\$6,745,000

#### **ii. FY22 Rollover**

Payment Quarter	Payment Date	Payment Amount
FY2025/Quarter 1	07/01/25	\$36,000

#### **iii. FY23 Rollover**

Payment Quarter	Payment Date	Payment Amount
FY2025/Quarter 1	07/01/25	\$379,000

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:**

2024 EPA DWSRF-IIJA-EC Capitalization Grant

October 1, 2024 through September 30, 2030

### **IX. Public Participation**

The IUP will be provided for public notice once finalized. At this time, the IUP is being submitted as draft for a conditional grant award.

### **X. Reporting**

1. Annual reports are required for the DWSRF IIJA EC Capitalization Grant. Each annual report is due on December 30th following each fiscal year period. The annual report for the 2024 DWSRF IIJA EC funding will include the results from the period of October 1, 2024 through September 30, 2025 and will be submitted on or before December 30 2025.
2. The Department will submit information on projects into the DWSRF National Information Management System (NIMS) as binding commitments are entered into with the borrowers as proposed in this IUP. The projects will be updated in NIMS at a maximum of one quarter after the binding commitment close date.

**Attachment 1 - Project Priority List**

Project #	Applicant Name	Project Description	City/Town	County	Population	Disadvantaged Score	Priority Ranking Points	DW IJA-EC Amount Granted	DW IJA-EC PF	DW IJA EC PF %	Applied for Project Amount	Fund
FS010091-03	Shelby County Water System	South Shelby WTP - PFAS Removal	Columbiana	Shelby	4,197	1.72	310	\$3,199,196	\$3,199,196	100%	\$7,298,392	DWIIJA EC
FS010264-04	Colbert County Commission	Connection to Cherokee, Hawk Pride, Town of Leighton, and Leflore - Reverse Osmosis EC (Emerging Contaminants)	Multiple	Colbert	231	2.06	265	\$450,000	\$450,000	100%	\$450,000	DWIIJA EC
FS010345-02	Irondale, City of	PFAS Removal	Irondale	Jefferson	13,457	1.22	225	\$5,351,460	\$5,351,460	100%	\$5,351,460	DWIIJA EC
FS010168-06	Florence, City of	PFAS Treatment	Florence	Lauderdale	39,709	1.07	215	\$477,600	\$477,600	100%	\$477,600	DWIIJA EC
FS010395-02	Muscle Shoals Utilities Board	PFAS Treatment	Muscle Shoals	Colbert	15,969	0.96	215	\$370,000	\$370,000	100%	\$370,000	DWIIJA EC
FS010118-04	Decatur Utilities	PFAS Study and Pilot Testing	Decatur	Morgan	57,303	0.48	50	\$1,500,000	\$1,500,000	100%	\$1,500,000	DWIIJA EC
FS010459-05	North Baldwin Utilities	PFAS Removal Upgrade	Bay Minette	Baldwin	40,000	0.55	50	\$2,556,744	\$2,556,744	100%	\$15,000,000	DWIIJA EC
<b>Total</b>	<b>7</b>							<b>\$13,905,000.00</b>	<b>\$13,905,000.00</b>	<b>100%</b>	<b>\$30,447,452</b>	

\*Note: All projects considered equivalency.

## **Attachment 2: Project Descriptions**

### **Shelby County Water System - South Shelby WTP - PFAS Removal Pilot Study**

The Shelby County Water System proposes to perform pilot testing on treatment of PFAS throughout the system. The proposed project would ensure the correct method is chosen in order to meet and/or exceed the proposed MCL limit (4 ppt).

### **Colbert County Commission - Preliminary Design for Connection to Cherokee, Hawk Pride, Town of Leighton, and Legrange - Reverse Osmosis EC (Emerging Contaminants)**

The Colbert County Commission proposes to perform the preliminary engineering for connection of the existing reverse osmosis system to the communities of the Town of Cherokee, Hawk Pride Water System, Town of Leighton, and the Town of Legrange.

### **Irondale, City of - PFAS Removal**

The City of Irondale proposes a project to remove PFAS from finished water by utilizing Granulated Activated Carbon (GAC). The proposed project would improve water quality and remove PFAS to levels that meet and/or exceed the proposed MCL (4 ppt).

### **Florence, City of - PFAS Treatment Pilot Study**

The City of Florence proposes to perform pilot testing on treatment of PFAS throughout the system. The proposed project would ensure the correct method is chosen in order to meet and/or exceed the proposed MCL limit (4 ppt).

### **Muscle Shoals Utilities Board - PFAS Treatment Pilot Study**

The Muscle Shoals Utilities Board proposes to perform pilot testing on treatment of PFAS throughout the system. The proposed project would ensure the correct method is chosen in order to meet and/or exceed the proposed MCL limit (4 ppt).

### **Decatur Utilities - PFAS Study and Pilot Testing**

Decatur Utilities proposes to perform pilot testing on treatment of PFAS throughout the system. The proposed project would ensure the correct method is chosen in order to meet and/or exceed the proposed MCL limit (4 ppt).

### **North Baldwin Utilities - PFAS Removal Upgrade Pilot Study**

North Baldwin Utilities proposes to pilot testing on treatment of PFAS throughout the system. The proposed project would ensure the correct method is chosen in order to meet and/or exceed the proposed MCL limit (4 ppt).



# Form 370: Drinking Water State Revolving Fund Preapplication

Project Name	
Assistance Amount Requested	\$
Date Submitted	



Submit Complete Preapplication to:	
Preferred method	srf@adem.alabama.gov
By email:	
By overnight mail:	1400 Coliseum Boulevard Montgomery, Alabama 36110-2400 (334) 271-7714
By mail:	SRF Section Alabama Department of Environmental Management Post Office Box 301463 Montgomery, Alabama 36130-1463

## Section 1: Contact Information

### Loan Applicant

Applicant Name			
Authorized Representative (Signatory of Loan Agreement)		Title of Authorized Representative	
Email Address		Telephone Number	
Contact Person (Daily SRF Communications)		Title of Contact Person	
Email Address		Telephone Number	
Mailing Address		City, Zip Code	
County		UEI Number	
Fax Number		PWSID Number	
AL House District(s)		AL Senate District(s)	
Total Number of System Connections (Current)		Population of System	

### Project Engineer:

Firm Name	
Address	
City, State, Zip code	
Engineer Name	
Telephone Number	
Email Address	
Fax Number	



## Section 2: Project Information

For the following questions, please attach additional pages if adequate space is not provided on this form:

Break down the total project cost (categories should sum to 100%) and list all other funding sources to be utilized to complete this project.

Treatment:	%	Other Funding Source(s)	Amount(s)	Commitment Date
Distribution:	%			
Source:	%			
Storage:	%			

Enter the Median Household Income (MHI) for the affected community:	Enter the Average Annual Household Water Bill Based on 5,000 Gal Usage:
Source:	Source:
\$	\$

### Priority Ranking System

The following factors are used to rank the proposed project and will ultimately determine if the project is fundable. The applicant must provide documentation where required in order to receive credit.

\*Any ranking criteria that cannot be verified through supporting documentation by the Department will be awarded zero points.

#### A. Enforcement and Compliance Rating Criteria (Maximum: 50 points)\*

Ranking Criteria		Point Value
1	The system is under formal enforcement action by ADEM. Completion of the project will return the system to compliance.	50
2	The project is a voluntary effort to resolve noncompliance and will mitigate the issuance of a formal enforcement action.	40
3	The system is currently in compliance but will be in imminent noncompliance without the proposed project.	25

#### B. Drinking Water Contaminants Criteria (Maximum: 150 points)\*

Ranking Criteria		Point Value
1	The system has current primary MCL violations and completion of the project will return the system to compliance.	100
2	The system has current secondary MCL violations and completion of the project will return the system to compliance.	50
3	The primary purpose of the project is to extend service to persons presently served by contaminated wells.	50

**C. Water/Energy Efficiency Rating (Maximum: 45 points)\***

Ranking Criteria		Point Value
1	The project significantly reduces water loss. The unaccounted reported water loss during the last 12-month period was: 50% or higher 35% - 49% 20% - 34% 15% - 19%	25 20 10 5
2	The project incorporates energy efficient design considerations with established objectives and targets for energy reduction opportunities.	5
3	The project uses renewable energy such as wind, solar, geothermal, hydroelectric, micro-hydroelectric, biogas combined heat and power (CHP) systems, or biofuels production to provide power to a drinking water treatment plant.	5
4	The project implements upgrades to pumps and treatment processes which result in: a) 20% or greater reduction in energy consumption at a drinking water treatment plant. b) 10-20% reduction in energy consumption at a drinking water treatment plant, or 20% or greater reduction in energy consumption at a remote pump station.	10 5

**D. Capacity and Pressure Criteria (Maximum: 100 points) \***

Ranking Criteria		Point Value
1	The system lacks adequate capacity to provide safe drinking water. Completion of the project will restore capacity to existing customers.	100
2	The project will mitigate pressure readings of <20 psi at 50 or more customer meters.	50
3	The project will mitigate pressure readings of <20 psi at 10-49 customer meters.	25

**E. System Consolidation Criteria (Maximum: 100 points) \***

Ranking Criteria		Point Value
1	The project will result in the elimination of at least one public water system.	100
2	The project will establish a new interconnection between two water systems, where the beneficiary water system (or portion of the beneficiary water system) is served by only one source.	25

**F. Sustainability Criteria (50 possible bonus points) \***

Ranking Criteria		Point Value
1	The project implements one or more of the following planning methodologies: a) Asset Management Plan	10
2	The project includes one or several of the following design considerations: a) LEED certified or other ADEM-approved green building techniques. b) Project envelope is located in a previously developed area. c) Use of environmentally friendly post-consumer recycled or reclaimed materials.	5 5 5
3	The project incorporates at least one of the following construction methods: • Innovative erosion control practices; • Protection of onsite trees, vegetation, native habitats and urban forests; or • Replanting of disturbed areas with native plant species.	5
4	The project will utilize one or more of the following water conservation strategies: a) Incorporates sustainable water pricing practices and rate structures. b) Completion of EPA's Water Quality Scorecard (see <a href="http://www.epa.gov/smartgrowth/water_scorecard.htm">http://www.epa.gov/smartgrowth/water_scorecard.htm</a> ).	10 5

**G. Reporting Criteria (Maximum point reduction: 30) \***

Ranking Criteria		Point Reduction
1	The system was cited during the last twelve months for late submittal of Monthly Operating Reports (MOR) or Consumer Confidence Reports (CCR), or was cited for a monitoring/reporting violation.	-10
2	The system was sent a Drinking Water Needs Survey and/or a Clean Watershed Needs Survey in the last four years and failed to return a completed survey.	-20

**H. Affordability Criteria (Maximum: 60 points)**

Ranking Criteria		Point Value
Divide the Average Annual Household Water Bill by the Median Household Income (from Page 2) and multiply by 100%:		
2.50% or higher		60
2.00 – 2.49%		40
1.50 – 1.99%		20
Less than 1.50%		0

**I. Infrastructure Improvement Criteria\***

Ranking Criteria		Point Value
1	Construction of a new water treatment plant	20
2	Level of treatment upgrade to an existing water treatment plant	15
3	Modifications to address disinfection byproduct requirements	25
4	Replacement of water lines due to age, leaks, breaks, or lead or asbestos-cement pipe	10
5	Installation of new water lines, where none existed previously	5
6	Rehabilitation or replacement of a water storage tank	15
7	Installation of a new water storage tank	10
8	New or upgraded pump station (not associated with a tank project)	5
9	Security improvements to a water system	5
10	Emergency power generators	5
11	Construction of a new well	15
12	Rehabilitation/upgrade of an existing well	10
13	Installation of green stormwater infrastructure at a water treatment plant	5
14	Installation of water meters in previously unmetered areas, or replacement of traditional water meters with AMR or smart meters	10
15	Water meter replacement with traditional meters	5
16	Installation or retrofitting water efficient devices such as plumbing fixtures and appliances (toilets, showerheads, urinals)	5
17	Replacement of (potable) landscape irrigation with more efficient landscape irrigation systems	5
18	Recycling and water reuse projects that replace potable sources with non-potable sources (grey water, wastewater effluent)	10
19	Installation or upgrade of SCADA systems	15

**Sum the points from each category below.**

Part A: Enforcement and Compliance (50 points maximum)	
Part B: Drinking Water Contaminants (150 points maximum)	
Part C: Water/Energy Efficiency (45 points maximum)	
Part D: Capacity and Pressure (100 points maximum)	
Part E: System Consolidation (50 points maximum)	
Part F: Sustainability (50 bonus points maximum)	
Part G: Reporting (Maximum Reduction of 30)	
Part H: Affordability (60 points maximum)	
Part I: Infrastructure Improvement	
<b>TOTAL POINTS CLAIMED:</b>	

This form should be signed by the official who is authorized to execute contracts on behalf of the applicant jurisdiction.  
**ONE SIGNED COPY (including attachments)** should be emailed to the address shown on Page 1 of this form.

Attachments to be included with this form:

- 1. Preliminary Engineering Report (PER Outline PER Format Below (Preferred))**
- 2. Copies of last three (3) years of audited financial statements (if available)**

Preliminary Engineering Report Outline:

- 1. Description of Project**
  - a. Brief description and background of project
  - b. Purpose of project
  - c. Location of project
  - d. Project Scope
  - e. Average annual household water bill
  - f. Population and median household income
- 2. Proposed Improvements**
  - a. System connections and connections that benefit from construction
  - b. System plan for water conservation
  - c. Proposed operation and management
  - d. Improvements to system
- 3. Project Maps**
  - a. Include all affected water bodies
- 4. Projected Outlay Schedule**
- 5. Cost Breakdown**
  - a. Estimated cost outline for entire project
- 6. Supporting Documentation\*** for priority points claimed, as required above. Any points claimed that cannot be readily substantiated from the information submitted will not be counted. The Department reserves the right to make the final determination of all points awarded.

The undersigned representative of the applicant certifies that the information in the application and in the attached statements and exhibits is true, correct and complete to the best of the applicant's knowledge, information and belief.

Signature of Authorized Representative	Print or Type Name
Title	Date