

STATE OF TEXAS

**Texas Water**   
**Development Board**

# **Intended Use Plan**

## **Drinking Water State Revolving Fund**

[www.twdb.texas.gov/financial/programs/DWSRF](http://www.twdb.texas.gov/financial/programs/DWSRF)



**SFY 2022**

TEXAS WATER DEVELOPMENT BOARD  
PO BOX 13231 ■ AUSTIN, TX 78711

# **Drinking Water State Revolving Fund**

## **SFY 2022 Intended Use Plan**

Effective September 1, 2021

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Texas Water Development Board rules governing the Drinking Water State Revolving Fund program (Texas Administrative Code, Title 31, Part 10, Chapter 371) may be accessed online at [http://texreg.sos.state.tx.us/public/readtac\\$ext.ViewTAC?tac\\_view=4&ti=31&pt=10&ch=371](http://texreg.sos.state.tx.us/public/readtac$ext.ViewTAC?tac_view=4&ti=31&pt=10&ch=371)

## Drinking Water State Revolving Fund Acronyms

<b>ACS</b>	American Community Survey
<b>AIS</b>	American Iron & Steel
<b>AMHI</b>	Annual Median Household Income
<b>CWSRF</b>	Clean Water State Revolving Fund
<b>DWSRF</b>	Drinking Water State Revolving Fund
<b>EPA</b>	Environmental Protection Agency
<b>FFY</b>	Federal Fiscal Year
<b>FMT</b>	Financial, Managerial, and Technical
<b>GPR</b>	Green Project Reserve
<b>HCF</b>	Household Cost Factor
<b>IUP</b>	Intended Use Plan
<b>IPL</b>	Initial Invited Projects List
<b>MCL</b>	Maximum Contaminant Level
<b>NEPA</b>	National Environmental Policy Act
<b>PIF</b>	Project Information Form
<b>PPL</b>	Project Priority List
<b>PWS</b>	Public Water System
<b>SDWA</b>	Safe Drinking Water Act
<b>SFY</b>	State Fiscal Year
<b>SRF</b>	State Revolving Fund
<b>TCEQ</b>	Texas Commission on Environmental Quality
<b>TWDB</b>	Texas Water Development Board

## I. Overview

The Drinking Water State Revolving Fund (DWSRF) assists communities by providing below market-rate financing and various levels of principal forgiveness for a wide range of projects that facilitate compliance with primary drinking water standards or otherwise significantly further the health protection objectives of the Safe Drinking Water Act (SDWA). The program provides year-round funding of water projects after they have been included in the Intended Use Plan.

For State Fiscal Year (SFY) 2022, at least \$150 million is available under the DWSRF for all financing options including \$30 million in principal forgiveness. Of the total amount available, at least \$120 million will be offered at subsidized interest rates or at zero percent for special funding categories. These savings directly lower the overall cost of providing safe, affordable water to every customer.

The \$150,000,000 level for SFY 2022 will be allocated to the following funding options:

<b>Funding Option</b>	<b>Allocation</b>
Disadvantaged Community – as Principal Forgiveness	\$16,000,000
Disadvantaged Community – for Small / Rural only – as Principal Forgiveness	\$2,000,000
Subsidized Green (incl. Water Conservation) – as Principal Forgiveness	\$2,000,000
Very Small Systems – as Principal Forgiveness	\$2,000,000
Very Small Systems – “Securing Safe Water Initiative – as Principal Forgiveness	\$1,000,000
Emergency Preparedness - for Severe Weather – as Principal Forgiveness	\$3,000,000
Urgent Need – “Securing Safe Water” Initiative / Contaminants (Lead, Radionuclides, Arsenic) – as Principal Forgiveness	\$2,000,000
Urgent Need – Other than Contaminants (Disasters, etc.) – as Principal Forgiveness	\$2,000,000
Bonds/Loans	\$120,000,000
<b>Total</b>	<b>\$150,000,000</b>

## II. Purpose

In 1996 Congress passed federal amendments to the SDWA that established the DWSRF program. The Texas Water Development Board (TWDB) is authorized by state law to administer this program for Texas.

The TWDB is the financing agency for the DWSRF and has a contractual relationship with the state’s primacy agency, the Texas Commission on Environmental Quality (TCEQ), to perform DWSRF activities. TCEQ performs DWSRF activities that include rating proposed projects, state program management, small systems technical assistance, assessments for

ground water sources, source water technical assistance, sanitary surveys, complaint investigations, enforcement activities, disaster assistance, and implementation of the State of Texas approved Capacity Development Strategy.

Annually, the State must prepare an Intended Use Plan (IUP) that describes how it intends to use DWSRF program funds to support the overall goals of the program. The IUP must contain a number of elements required by the Environmental Protection Agency (EPA) covering the operation of the DWSRF and is a central component of the TWDB's application to EPA for the capitalization grant.

The IUP contains the state's priority list of projects to receive funding under the DWSRF. This list is subdivided further into an Initial Invited Projects List (Appendix K), which represents the projects that will be invited to submit applications after Board approval of the IUP. Applications for funding under this SFY 2022 IUP will be accepted based on invitation only until the program reaches funding capacity or the SFY 2023 IUP is approved.

### **III. Projects to Fund**

#### **A. Eligible Applicants**

Applicants eligible to apply for assistance are:

- Existing community Public Water Systems (PWSs) including political subdivisions, nonprofit water supply corporations and privately-owned community water systems
- Non-profit, non-community public water systems
- State agencies

#### **B. Eligible and Ineligible Use of Funds**

1. Examples of eligible project costs include planning, acquisition, design, and construction of projects to:
  - Correct water system deficiencies including water quality, capacity, pressure, and water loss
  - Upgrade or replace water systems
  - Provide new or existing water service to other water systems through consolidation projects
  - Purchase capacity in water systems
  - Purchase water systems
  - Implement green projects (pursuant to EPA guidance)
  - Implement source water protection projects
  - Pay for other costs necessary to secure or issue debt

All projects funded through the DWSRF must be consistent with the most recently adopted TWDB State Water Plan.

2. Examples of ineligible project costs include:

- Projects primarily intended to facilitate growth
- Water rights, unless owned by a system being purchased through consolidation
- Construction of reservoirs
- Dams or rehabilitation of dams
- Projects for systems in significant noncompliance, unless funding will ensure compliance
- Projects for systems that lack adequate financial, managerial, and/or technical (FMT) capability, unless assistance will ensure compliance
- Routine laboratory fees or ongoing operational expenses
- Fire protection projects (unless incidental to the main project scope)

#### **IV. Significant Program Changes**

Significant program changes from the previous year's IUP are highlighted below.

1. As mentioned in the published SFY 2022 Project Information Form (PIF) Guidance, establishment of a new interest rate reduction methodology. The interest rate will be a percentage reduction from the Thomson Reuters Municipal Market Data (MMD) rate adjusted for yield to maturity that is applicable to the entity's rating, with non-rated entities using the Baa rate, as follows:
  - (a) Equivalency projects: 35% reduction
  - (b) Non-Equivalency projects: 30% reduction (Sections V and X).
2. Emergency Preparedness – for Severe Weather – allocation of \$3,000,000 in principal forgiveness for the preparation of an emergency preparedness evaluation/audit plan. Entities could receive funding to determine compliance with statutory and regulatory standards of emergency operations that directly affect operation of a public water system during an extended power outage from severe weather that impacts the system. The maximum amount available for a public water system is \$75,000. The evaluation/audit must be submitted to TWDB (Section VI).

#### **V. Amount Available**

##### **1. Allocations**

Texas is eligible for a federal capitalization grant from funds appropriated by Congress for Federal Fiscal Year (FFY) 2021. The TWDB will use the grant, along with other available sources of funds, to offer up to \$150,000,000 for projects in this SFY 2022 IUP. The sources of funds include the FFY 2021 capitalization grant, state match, principal and interest repayments from financial assistance, investment earnings, additional cash resources, and if demand warrants, the net proceeds from bond issues.

The DWSRF program offers subsidized interest rates and additional subsidization in the form of principal forgiveness. Principal forgiveness funds are not considered "grant" funds under Title 2 Code of Federal Regulations Part 200 nor the Texas Grant Management Standards found at Texas Government Code Title 17 Chapter 783. The



principal forgiveness is offered to eligible disadvantaged communities, very small systems, urgent need projects, and green projects. Throughout the IUP, this principal forgiveness may be referred to as Additional Subsidization, Disadvantaged Community funding, including Disadvantaged Community funding for Small / Rural only, Subsidized Green funding, Very Small Systems funding, Emergency Preparedness or Urgent Need funding.

## 2. Allocations and Terms Available Under Each Funding Option:

Funding Option	Amount ****	Principal Forgiveness	Interest Rates		Origination Fee
			Equivalency	Non-Equivalency	
Disadvantaged Community	\$16,000,000	30%, 50%, or 70%*	Interest rate reduction of 35%	N/A	2.0%***
Disadvantaged Community – Small / Rural only - Principal Forgiveness	\$2,000,000	Maximum amount per project/entity varies from \$300,000 to \$500,000	N/A	N/A	N/A
Subsidized Green Principal Forgiveness	\$2,000,000	Up to 15% of DWSRF-funded Green Costs – Maximum of \$1,000,000	N/A	N/A	N/A
Very Small Systems Principal Forgiveness	\$3,000,000	Up to \$300,000 per project	N/A	N/A	N/A
Emergency Preparedness	\$3,000,000	Up to \$75,000 per entity	N/A	N/A	N/A
Urgent Need – Contaminants Principal Forgiveness	\$2,000,000	Maximum amount per project/entity varies from \$500,000 to \$800,000	N/A	N/A	N/A
Urgent Need – Other than Contaminants Principal Forgiveness	\$2,000,000	Maximum amount per project/entity varies from \$500,000 to \$800,000	N/A	N/A	N/A
Urgent Need – Bond/Loan	\$4,000,000		N/A	0%	2.0%
Disadvantaged Community – Small / Rural only – Bond/Loan	\$9,000,000		0%	N/A	2.0%
Asset Management Bonds/Loans (AMPSS) – for preparation of asset management plans and implementation of plans	\$2,000,000		0%	0%	2.0%
Bond/Loan - Regular	\$105,000,000	N/A	Interest rate reduction of 35%**	Interest rate reduction of 30%**	2.0%

	<p>* Percentage of DWSRF-funded project costs remaining after subtracting other DWSRF principal forgiveness</p> <p>** Based on a level debt service schedule</p> <p>*** Not assessed on the principal forgiveness portion of project funding</p> <p>**** An amount equal to principal forgiveness and zero interest loan funds from any funding category not allocated may be used for regular bond/loan funding.</p>
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### 3. Interest rate reduction methodology:

The interest rate will be a percentage reduction from the Thomson Reuters Municipal Market Data (MMD) rate adjusted for yield to maturity that is applicable to the entity's rating, with non-rated entities using the Baa rate, as follows:

- (a) Equivalency projects: 35% reduction
- (b) Non-Equivalency projects: 30% reduction

**Exclusions from the interest rate reduction methodology** - the interest rate reduction methodology does not apply to any portion of financing that is offered at zero percent. The full benefit of the zero percent financing under the respective special funding option will be incorporated into the total of the maturities for bonds or the total loan payments for loans.

#### 4. Allocation of Principal Forgiveness:

DWSRF SFY 2022 - Grants totaling \$87,015,000		% of Grant
<b>Maximum &amp; Minimum - Principal Forgiveness</b>		
Minimum (Disadvan. Comm.)	\$5,220,900	6%
Minimum (Any DWSRF-eligible recipient)	\$12,230,880	14%
Minimum (Total)	\$17,451,780	20%
Optional Additional Amount for Disadvan. Comm.	\$25,234,350	29%
<b>Maximum</b>	<b>\$42,686,130</b>	<b>49%</b>
<b>Current Allocation of Principal Forgiveness</b>		
Disadvantaged Community (Minimum of \$5,220,900)	\$16,000,000	18%
Disadvantaged Community - for Small / Rural only	\$2,000,000	2%
Subsidized Green (incl. Water Conservation)	\$2,000,000	2%
Very Small Systems	\$2,000,000	2%
Very Small Systems - "Securing Safe Water" Initiative	\$1,000,000	1%
Emergency Preparedness - Severe Weather	\$3,000,000	3%
Urgent Need - "Securing Safe Water" Initiative / Contaminants	\$2,000,000	2%
Urgent Need - Other	\$2,000,000	2%
<b>Total Currently Allocated</b>	<b>\$30,000,000</b>	<b>34%</b>
<i>Additional amount that could be allocated to principal forgiveness</i>	<i>\$12,686,130</i>	<i>15%</i>
<b>Total Breakdown</b>		
Total Principal Forgiveness Allocated to Projects	\$30,000,000	34%
TWDB Administration & Technical Assistance-FFYs 2021 & 2019	\$3,480,600	4%
TCEQ-FFYs 2021 and 2019	\$12,241,800	14%
Loans/Bonds	\$41,292,600	48%
<b>Total</b>	<b>\$87,015,000</b>	<b>100%</b>

#### VI. Funding Options and Terms

The DWSRF has two tiers of funding: Equivalency projects and Non-Equivalency projects.

**Equivalency projects (Federal Requirements)** - A portion of the DWSRF funded projects must follow all federal requirements commonly known as “cross-cutters”. This type of financial assistance is referred to broadly as “Equivalency”. A portion of the available Equivalency funds may be reserved for projects receiving Additional Subsidization. More information on the federal cross-cutters may be found in Appendix E.

**Non-Equivalency projects (State Requirements)** - Non-Equivalency projects are not subject to federal cross-cutter requirements, with the exception of the federal anti-discrimination laws, also known as the “super cross-cutters”.

## 1. Funding Options Available:

Entities listed on the Initial Invited Projects List (IIPL) and subsequent Project Priority Lists (PPLs) may be invited to apply for one or more of the funding options.

### a. Disadvantaged Community Funding (Equivalency only)

For an entity to qualify as a disadvantaged community, the community must meet the DWSRF's affordability criteria based on income, unemployment rates, and population trends. In summary, the Annual Median Household Income (AMHI) of the entity's area to be served must be less than or equal to 75 percent of the State's AMHI and the Household Cost Factor that considers income, unemployment rates, and population trends must be greater than or equal to 1 percent if only water or sewer service is provided or greater than or equal to 2 percent if both water and sewer service are provided. The percent of principal forgiveness is based on the difference between the calculated and minimum required household cost factors. The maximum principal forgiveness as a percentage of DWSRF-funded project costs remaining after subtracting other DWSRF principal forgiveness is provided in the following table:

Household Cost Factor Difference	Principal Forgiveness as a % of DWSRF-funded project costs remaining after subtracting other DWSRF principal forgiveness
≥ 0% and < 1.5%	30%
≥ 1.5% and < 3%	50%
≥ 3%	70%

This funding option offers a financial assistance component with the interest rate subsidy and 30 percent, 50 percent, or 70 percent of the DWSRF-funded project cost in principal forgiveness. TWDB will calculate the Disadvantaged Communities principal forgiveness amount based on the amount of State Revolving Fund (SRF)-funded project costs remaining after subtracting all other DWSRF principal forgiveness funding being provided in SFY 2022 to the proposed project. (As an option at TWDB's discretion, if the DWSRF loan portion would be less than \$100,000, the entity may reduce the amount of DWSRF funds requested by the amount of the loan portion and the Disadvantaged Communities percentage calculation will be based on the amount of DWSRF-funded costs before other DWSRF program principal forgiveness amounts are subtracted from the total requested.) The maximum repayment period is 30 years. The origination fee will not be applied to project costs that are funded with principal forgiveness. Additional information may be found in Appendix D.

## **Maximum Allocation to Any Entity in SFY 2022**

Not more than 25 percent of the total regular Disadvantaged Community allocation, or \$4,000,000, may be provided to any particular entity for their projects in the SFY 2022 IUP, with one exception. If the Household Cost Factor in excess of the base (i.e., the HCF difference) for an entity's project is greater than 5 percent, the maximum amount provided would be not more than 33 percent of the total regular Disadvantaged Community allocation, or \$5,280,000.

The Household Cost Factor will be established based on the PIF, and associated Disadvantaged Community worksheets and income information, submitted by the PIF deadline for inclusion in the IUP.

### **b. Disadvantaged Community Funding – Small / Rural only (Equivalency only)**

An entity qualified as a disadvantaged community and that additionally meets the definition of either a small community or a rural project may receive funding under this option. The entity must submit to TWDB acceptable evidence that it meets the qualification criteria to be eligible for this funding option.

Small Community – an entity serving a population of not more than 10,000.

Rural project – a project that fits any of the following:

- i. An entity that provides services predominately in a rural area. Using the U.S. Bureau of the Census definitions of a rural area, not more than 20 percent of the residential service connections are in urbanized areas and not more than 50 percent are in urban clusters according to the most recent data available to TWDB. The calculation will be based on the utility service(s) associated with the proposed project;
- ii. A project from a political subdivision with a population of 10,000 or less and located outside the extraterritorial jurisdiction of a city with a population of 500,000 or greater; or
- iii. A project in a county in which no urban political subdivision exceeds 50,000 in population based upon the most current data available from the U.S. Bureau of the Census or TWDB-approved projections.

### **Amount of Funding available as Principal Forgiveness and a 0% Loan**

Entities may be eligible to receive 100 percent of the total project cost in principal forgiveness up to the amount specified in the chart below. The maximum amount of principal forgiveness that an entity may receive per project is based on eligibility for Disadvantaged Community funding as described in Appendix D.

If eligible project costs that would have qualified for this option exceed the maximum

principal forgiveness allowable or available for the project, the entity may receive funding with an interest rate of zero percent up to the limits established in the chart below.

Disadvantaged Community - Principal Forgiveness Eligibility Percentage Level	Maximum Amount of Principal Forgiveness per Project/ Entity	Maximum Amount of 0% Loan per Project/ Entity (excluding additional funds for rounded bond increment and the associated fee financed at 0%)
30%	\$300,000	\$1,000,000
50%	\$400,000	\$2,000,000
70%	\$500,000	\$3,000,000

The definition of a “project” includes the planning, acquisition, design and construction phases. In addition, a particular recipient may only receive the maximum eligible amounts in principal forgiveness or 0% loans under this funding option in a program year for all of its projects.

#### Amount of funding available in SFY 2022 with an Interest Rate of Zero Percent

To ensure the long-term viability of the program, the amount of funding with an interest rate of zero percent made available during SFY 2022 is \$9 million. The TWDB Executive Administrator may establish a higher amount consistent with maintaining the DWSRF in perpetuity and any other appropriate factors. Any unallocated zero interest rate funding may be allocated to another funding option offering zero percent funding.

An entity may receive funds that are a combination of rates. For example, a portion of the funding may be available at an interest rate of zero percent and the remainder required for the project may be available at the standard reduced interest rate.

An entity allocated program funding in SFY 2022 under the regular Disadvantaged Community Funding option that is less than the eligible project costs specified in the IUP and meets either the small community or rural definition is eligible to receive principal forgiveness and a 0% loan under this option up to the maximum amounts established in the chart above. The maximum principal forgiveness amount is based on the sum of the amount received under the regular Disadvantaged Community Funding option and the remaining allowable amount received this option.

This means that an entity/project that qualifies as a small or rural disadvantaged community and is allocated the maximum of principal forgiveness under the regular Disadvantaged Community funding option (i.e., \$4,000,000 or \$5,280,000 as applicable) may not receive an additional allocation of principal forgiveness under this funding option. Similarly, an entity/project that is allocated from the regular

Disadvantaged Community funds an amount greater than the amount in the chart above, such as \$1,000,000, may not receive an additional allocation of principal forgiveness under this funding option. However, an entity/project that received less than \$300,000 to \$500,000 in regular Disadvantaged Community funding, as applicable based on their disadvantaged level in the chart above, may receive the shortfall under this funding option. For example, if the small or rural disadvantaged community was allocated only \$125,000 of principal forgiveness under the regular Disadvantaged Community option yet is eligible to receive \$500,000 based on the chart above, it would be eligible to receive the remainder of \$375,000 in principal forgiveness from this funding option.

Funds not allocated by March 1, 2022 for entities and projects that qualify for this option may be reallocated to other funding options.

#### **c. Subsidized Green Funding (Equivalency or Non-Equivalency)**

Entities may be eligible to receive Subsidized Green principal forgiveness if their project has elements that are considered green and the cost of the green portion of their project is 30 percent or greater than the total project cost. This funding option offers principal forgiveness for up to 15 percent of the total DWSRF-funded eligible green component costs.

Maximum allocation – A maximum of \$1,000,000 of subsidized green funding may be provided to any project. The definition of a “project” for SFY 2022 includes the planning, acquisition, design and construction phases. Subsidized green funding received by the project prior to SFY 2019 IUP funding will not count against this limit. Additional information may be found in Appendix E.

#### **d. Very Small Systems Funding (Equivalency or Non-Equivalency)**

The TWDB recognizes the difficulty for very small systems to secure financial assistance. In an effort to extend resources to address critical issues with these public water systems, the TWDB will allocate up to \$3,000,000 in Additional Subsidization to target systems with populations of 1,000 or fewer for projects addressing public health, compliance, or water quantity issues, of which \$1,000,000 will be allocated to the Securing Safe Water initiative through the first round of funding.

To be eligible to receive Very Small Systems funding the AMHI for the project must not exceed 150 percent of the state’s AMHI. To lessen the need for the applicant to conduct income surveys, the TWDB will consider on a case by case basis making the presumption that the average (mean) of the AMHI of all U.S. Census Bureau Block Groups containing any portion of the project service area is the AMHI for the project. The applicant has the option of proving otherwise by submitting more information on the number of customers in each Block Group or conducting an income survey. Applicants must provide a detailed map of the proposed service area to be considered for this option and the TWDB will determine the associated Block

Groups. The Executive Administrator will then determine whether this option would result in a reasonable estimate of the AMHI for the project service area and may be used for the AMHI threshold calculation. (The income data used in the calculation will be the same data source as described in “Affordability Criteria to Determine Disadvantaged Community Eligibility, found in Appendix D.)

Entities may be eligible to receive 100 percent of the total project cost in principal forgiveness up to a total of \$300,000 per project. A particular public water system may only receive a total of \$300,000 in principal forgiveness of Very Small Systems funds in a program year. The definition of a “project” for SFY 2022 includes the planning, acquisition, design and construction phases. In the event funding does not fully cover total project costs, the entity will need to secure additional financial assistance to complete the proposed project.

**e. Emergency Preparedness for Severe weather- Evaluation/Audit (Non-Equivalency)**

Emergency Preparedness principal forgiveness may be available for the preparation of an emergency preparedness evaluation/audit plan. It would determine future needs to ensure compliance with statutory and regulatory standards of emergency operations that directly affect operation of a public water system during an extended power outage from severe weather that impacts the system. The maximum amount available for a public water system is \$75,000. The evaluation/audit must be submitted to TWDB.

Entities that submitted a Project Information Form by March 10, 2021 may amend their project to incorporate the evaluation/audit and these projects would receive priority based on ranking in allocating the available principal forgiveness, subject to the Disadvantaged / Small / Rural Set-aside.

Disadvantaged / Small / Rural Set-aside

A portion of the total amount available under the Emergency Preparedness funding will be reserved for entities and projects that qualify for the Disadvantaged/Small/Rural set-aside. Entities that qualify for two out of the three criteria will be eligible for this set-aside funding. A total of 50 percent of the principal forgiveness made available for Emergency Preparedness funding will be reserved for this set-aside.

Set-aside criteria:

- a. Disadvantaged Community – a entity/project eligible as described in Appendix D.
- b. Small Community – an entity serving a population of not more than 10,000.
- c. Rural project – a project that fits any of the following:
  - i. An entity that provides services predominately in a rural area. Using the U.S. Bureau of the Census definitions of a rural area, not more than 20 percent of the residential service connections are in urbanized areas and not more than 50



percent are in urban clusters according to the most recent data available to TWDB. The calculation will be based on the utility service(s) associated with the proposed project;

ii. A project from a political subdivision with a population of 10,000 or less and located outside the extraterritorial jurisdiction of a city with a population of 500,000 or greater; or

iii. A project in a county in which no urban political subdivision exceeds 50,000 in population based upon the most current data available from the U.S. Bureau of the Census or TWDB-approved projections.

Reserved funds not fully allocated may be reallocated to other projects on the PPL.

**f. Urgent Need (Non-Equivalency)**

Urgent Need projects must address situations that require immediate attention to protect public health and safety. They may result from (1) an unanticipated reduction in the adequate supply of water due to prolonged drought that will result in the loss of water service to customers within the next 180 days; (2) a catastrophic natural event or accident resulting in the loss of over 20 percent of the water service connections or 20 percent of the total water provided to customers; (3) situations that require immediate attention to address a substantial, imminent public health issue affecting at least 20 percent of the water provided to customers, such as contamination in excess of water quality standards; (4) situations that require immediate attention to address a substantial, imminent public health issue affecting at least 20 percent of the water provided to customers from severe flood damage that occurred during a Governor or Presidential-declared natural disaster; and (5) other situations as established by TWDB guidelines.

Urgent Need projects submitted after the March 10, 2021 project information form submission deadline may be invited in the first round of invitations for SFY 2022 funding. To recover from a disaster, an entity may change the scope of an existing project in the IUP by simply providing the proposed new scope and budget to the TWDB without the need to submit a new Project Information Form. The Executive Administrator may bypass projects to provide funding to Urgent Need projects. An Urgent Need project may qualify and receive funding concurrently as a Disadvantaged Community, Very Small System, and Subsidized Green project, provided funding is available. The proposed project must not be for replacement of facilities that have failed because they exceeded their useful life or failed due to lack of adequate maintenance. The TWDB may request the applicant provide a sealed response from a licensed professional engineer to assist the TWDB in making its determination. For projects addressing contamination levels in excess of water quality standards, the system must currently be in noncompliance with TCEQ requirements and the proposed project must be designed to bring the system into compliance to the extent financially practical. Funds will not be provided for acquisition or construction in a Special Flood Hazard Area in a community that the

Federal Emergency Management Agency (FEMA) considers a sanctioned jurisdiction or area.

Amount of Urgent Need Funding available as Principal Forgiveness

Entities may be eligible to receive 100 percent of the total project cost in principal forgiveness up to the amount specified in the chart below. The maximum amount of principal forgiveness that an entity may receive per project is based on eligibility for Disadvantaged Community funding as described in Appendix D.

Maximum Amount of Principal Forgiveness per Project / Entity	Disadvantaged Community - Principal Forgiveness Eligibility Percentage Level
\$500,000	0% - Project Not Eligible Under Disadvantaged Community Criteria.
\$600,000	30%
\$700,000	50%
\$800,000	70%

In addition, a particular recipient may only receive the maximum eligible amount in principal forgiveness under Urgent Need in a program year for all of its projects. Entities that previously received principal forgiveness under the Urgent Need funding option for a particular project may not receive additional principal forgiveness for that project if the total amount of principal forgiveness provided under the Urgent Need funding option would exceed the amount specified in the chart above. The definition of a "project" includes the planning, acquisition, design and construction phases.

If eligible project costs that would have qualified for Urgent Need exceed the maximum principal forgiveness allowable or available for the project, the entity may receive funding for the remainder with an interest rate of zero percent for the term of the financing. For disaster recovery, special terms and conditions on loan/bond financing, including the repayment terms, may be available that are not offered under other funding options.

Any commitment receiving Urgent Need funds will be considered non-equivalency funds, even if the project concurrently receives Disadvantaged Community funds.

Amount of Urgent Need funding available with an Interest Rate of Zero Percent

To ensure the long-term viability of the program, the amount of funding made available for Urgent Need projects with an interest rate of zero percent for SFY 2021 is \$4 million, or such other higher amount as the TWDB Executive Administrator may

establish consistent with maintaining the DWSRF in perpetuity and any other appropriate factors. The funds will be obligated only as the TWDB Board makes commitments. Any unallocated zero interest rate funding may be allocated to another funding option offering zero percent funding.

#### Urgent Need Principal Forgiveness Set-asides

The TWDB will set aside \$2,000,000 of principal forgiveness to address contaminants such as lead, radionuclides and arsenic and its Securing Safe Water initiative as described in Section XII. The TWDB will set aside \$2,000,000 out of the \$4,000,000 of Urgent Need of principal forgiveness allocation for SFY 2022 for addressing purposes other than addressing contamination in excess of water quality standards, such as addressing drought or disaster recovery. Reserved funds not allocated by March 1, 2022 for entities and projects that qualify for this set-aside may be reallocated to projects that address contamination or the Securing Safe Water initiative.

#### Disadvantaged / Small / Rural Set-aside

A portion of the total amount available under the Urgent Need funding will be reserved for entities and projects that qualify for the Disadvantaged/Small/Rural set-aside. Entities that qualify for two out of the three criteria will be eligible for this set-aside funding. A total of 50 percent of the principal forgiveness and 20 percent of the funds with an interest rate of zero percent made available for Urgent Need funding will be reserved for this set-aside.

##### Set-aside criteria:

- a. Disadvantaged Community – a entity/project eligible as described in Appendix D.
- b. Small Community – an entity serving a population of not more than 10,000.
- c. Rural project – a project that fits any of the following:
  - i. An entity that provides services predominately in a rural area. Using the U.S. Bureau of the Census definitions of a rural area, not more than 20 percent of the residential service connections are in urbanized areas and not more than 50 percent are in urban clusters according to the most recent data available to TWDB. The calculation will be based on the utility service(s) associated with the proposed project;
  - ii. A project from a political subdivision with a population of 10,000 or less and located outside the extraterritorial jurisdiction of a city with a population of 500,000 or greater; or
  - iii. A project in a county in which no urban political subdivision exceeds 50,000 in population based upon the most current data available from the U.S. Bureau of the Census or TWDB-approved projections.

Reserved funds not allocated by July 1, 2022 for entities and projects that qualify for

this set-aside may be reallocated to other projects that met the Urgent Need funding criteria.

#### Mitigation

Facilities being replaced or repaired for an Urgent Need disaster recovery project must be built to mitigate future damage and destruction, to the extent it is practical based on the nature of the project activities.

#### Co-funding

DWSRF funds may only be used for project costs that are reasonable and necessary and must not result in the entity receiving a duplication of benefits from other sources, including the U.S. Housing and Urban Development Community Development Block Grant (CDBG) Disaster Recovery or FEMA grant funds. A duplication of benefits occurs when an entity receives and permanently retains funding to cover the same cost from more than one entity or source. Reimbursement of interim financing is not a duplication of benefits. Entities that anticipate being reimbursed for a portion of their project with a federal source such as the Federal Emergency Management Agency's Public Assistance funding must follow the federal procurement rules found in 2 CFR Part 200 and other federal requirements.

#### **g. Asset Management (Preparation of Asset Management tools) – Bonds/Loans (Equivalency or Non-Equivalency)**

An eligible entity, not just small system, may be eligible for up to \$100,000 with an interest rate of zero percent to prepare all of the Asset Management / Financial Planning tools required in the current Asset Management Program for Small Systems (AMPSS) initiative's Scope of Work and deliverables as described in Section XII. The AMPSS initiative's scope of work has been revised in SFY 2022 to require a section on emergency preparedness, weatherization, and resiliency. The entity's asset management program may include enhancements or tools that extend beyond the minimum requirements of the AMPSS program's Scope of Work. Any zero percent funding would be blended with any other repayable SRF financial assistance to create one interest rate on the bond or loan. The maximum amount available for this option and the zero percent funds for implementing AMPSS-like tools in SFY 2022 is \$2,000,000 (excluding the additional funds for the rounded bond increment and associated fee that may also be financed at zero percent). Allocation of any available funding at an interest rate of zero percent for this option would occur concurrently with the allocation of any other funding for the project. Any unallocated zero interest rate funding may be allocated to another funding option offering zero percent funding.

#### **h. Asset Management – (Implementation of Asset Management Plans) – Bonds/Loans (Equivalency or Non-Equivalency)**

A small system eligible under AMPSS may receive up to \$500,000 at zero percent

(0%) for a portion of the total TWDB funding for a project if it has implemented substantially all of the Asset Management / Financial Planning tools required in the current AMPSS initiative's Scope of Work and deliverables as described in Section XII and the proposed project is included in its current plan. The AMPSS initiative's scope of work has been revised in SFY 2022 to require a section on emergency preparedness, weatherization, and resiliency. The small system's asset management program may include enhancements or tools that extend beyond the minimum requirements of the AMPSS initiative's Scope of Work. The total amount of funding available in SFY 2022 at zero percent for implementation of asset management tools is included in the total of \$2,000,000 for asset management incentives. Any unallocated zero interest rate funding may be allocated to another funding option offering zero percent funding.

#### **i. Bond/Loan Funding (Equivalency or Non-Equivalency)**

All entities listed on a PPL that are invited to submit applications are eligible to receive funding through the TWDB's purchase of the entity's bonds or through a loan agreement as allowed under the entity's governing law.

An origination fee of 2.0 percent is assessed at closing on the portion of a commitment that requires repayment. The origination fee does not apply to any principal forgiveness amounts. The financial assistance recipient has the option of financing the origination fee or paying this fee up front at closing.

An entity may receive Disadvantaged Community, Disadvantaged Community – Small/Rural only, Green, Very Small System, Emergency Preparedness and Urgent Need principal forgiveness, concurrently with a bond or loan. The entity may also be eligible for a maximum repayment period of 30 years provided the extended term reserve has not been met.

An amount equal to the principal forgiveness and zero interest loan funding from any category that was not allocated may be used for regular bond/loan funding.

## **2. Terms of Financial Assistance**

Loans may be offered for a term of up to 30 years for the planning, acquisition, design, and/or construction phases. For the purchase of bonds, up to 75 percent of available funds according to TWDB determined guidelines and in accordance with the SDWA may be offered with a term of up to 30 years. The remainder of available bonds purchased may be offered for a term up to 20 years. The term of financial assistance offered may not exceed the expected design life of an eligible project. The TWDB may allow principal and interest payments on a bond or loan to commence not later than 18 months after completion of the project, if considered appropriate as determined by the Executive Administrator.

### **3. Federal Requirements on Available Funds**

Funds are subject to federal requirements such as Davis-Bacon Act prevailing wages and American Iron and Steel provisions. DWSRF-funded projects must follow all federal “cross-cutter” requirements and EPA’s signage requirements. These requirements are outlined in Appendix E.

A portion of the DWSRF funds, in an amount at least equal to the federal capitalization grant, must follow all federal cross-cutters. These DWSRF-funded projects are referred to as Equivalency projects. The federal cross cutters that apply to Equivalency projects include compliance with EPA’s Disadvantaged Business Enterprise program administered by TWDB. Equivalency projects receive an additional interest rate reduction over the reduction for non-equivalency projects. (see Appendix E for details of Federal Requirements)

## **VII. Goals**

The primary goal of the Texas DWSRF program is to improve public health protection. In addition, the overall goals of the Texas DWSRF program are to identify and provide funding for maintaining and/or bringing Texas’ PWSs into compliance with the SDWA; to support affordable drinking water and sustainability; and to maintain the long-term financial health of the DWSRF program fund. Specific goals to achieve those ends are listed below.

### **A. Short-Term Goals**

1. Finance priority projects that enhance emergency preparedness, weatherization, and resiliency of public water systems during severe weather events.
2. Encourage the use of green infrastructure and technologies by offering principal forgiveness for green infrastructure, energy efficiency, water efficiency, or environmentally innovative portions of projects and allocating an equivalent of 10 percent of the capitalization grant to approved green project costs.
3. Offer terms of up to 30 years for the planning, acquisition, design, and/or construction for up to 75 percent of available funds in accordance with TWDB determined guidelines and the SDWA.
4. Increase the amount of DWSRF program funding available by leveraging the program as necessary to meet the demand for funding additional drinking water projects.
5. Continue to enhance the DWSRF by cross-collateralizing the program with the Clean Water State Revolving Fund (CWSRF) program in accordance with state and federal law.

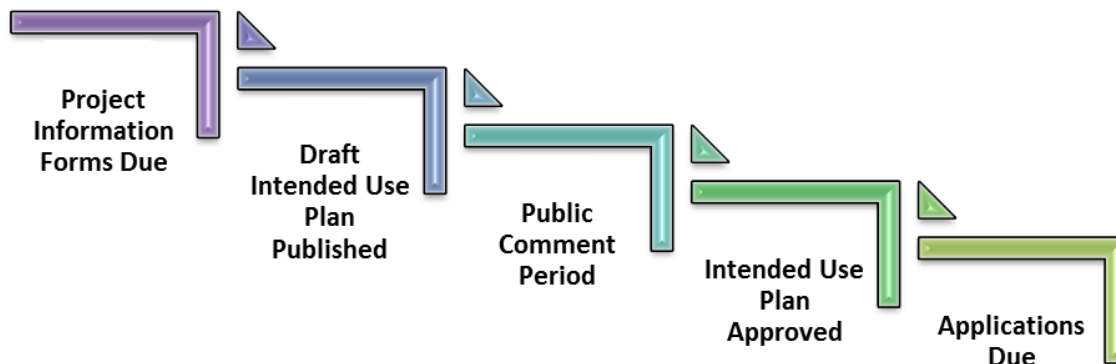
6. Enhance our current level of outreach on the SRF programs by hosting virtual or in person regional financial assistance workshops in conjunction with the continued use of social media.
7. Assist water systems with urgent needs through financial assistance in the form of principal forgiveness and loans with an additional interest rate subsidy from the Urgent Need reserve.
8. Provide outreach, technical assistance and special allocations of funding to reduce the number of public water systems with unresolved health issues as part of the Securing Safe Water initiative.
9. Continue to implement the TWDB's AMPSS and CFO to Go initiatives.

## **B. Long-Term Goals**

1. Maintain the fiscal integrity of the DWSRF in perpetuity.
2. Employ the resources in the DWSRF in the most effective and efficient manner to protect public health and assist communities in maintaining compliance with SDWA requirements and maintain a strong financial assistance program that is responsive to changes in the state's priorities and needs.
3. Assist borrowers in complying with the requirements of the SDWA by meeting the demands for funding eligible water projects by providing financial assistance with interest rates below current market levels and with Additional Subsidization in the form of principal forgiveness.
4. Support the development of drinking water systems that employ effective utility management practices to build and maintain the level of financial, managerial and technical (FMT) capacity necessary to ensure long-term sustainability.

## VIII. Participating in the DWSRF Program

Below are the major steps in the production of the initial IUP for SFY 2022.



### Solicitation of Project information

Project information was solicited from eligible entities across the state using direct emails, notices posted on the TWDB website, and financial assistance workshops held throughout the State. Potential applicants submitted PIFs by the response deadline of March 10, 2021.

The required information submitted on a PIF consisted of:

- A detailed description of the proposed project.
- A map(s) showing the location of the service area.
- An estimated total project cost that is certified by a registered professional engineer if project costs are greater than \$100,000.
- A checklist and schedule of milestones to determine a project's readiness to proceed to construction.
- The population currently served by the applicant.
- Green project information, if applicable.
- Signature of the applicant's authorized representative.
- Additional information detailed within the solicitation for projects as needed to establish the priority rating.

Any survey being used for income determination must be completed within five years of the date the TWDB receives the PIF.



## **A. Updating Projects from the Prior Intended Use Plan**

For SFY 2022, a potential applicant must update, at a minimum, the readiness to proceed information, and if seeking disadvantaged community eligibility, the socioeconomic economic census data and utility rate information. The requirement to update the readiness to proceed information will apply to an entity that previously received a commitment for Planning, Acquisition and/or Design only and desires to be considered for the construction portion of the project.

## **B. Evaluation of the Project Information Received and Priority Rating System**

All PIFs received an initial review by TWDB staff. The TWDB evaluated submissions requesting eligibility for disadvantaged community status using the affordability criteria, which is described in detail in Appendix D. The TWDB rated projects based on effective management criteria presented in Appendix C. The scores are based on information received by any established PIF deadline. Throughout the evaluation process, entities were contacted by staff if additional information was needed for clarifying their eligibility for disadvantaged status or effective management points.

Concurrent with TWDB's rating process for disadvantaged community status, effective management, and Planning, Acquisition, and Design (PAD) projects, TCEQ performed the priority rating for water system projects. The general rating criteria for projects are briefly described below, with details provided in Appendices C and D. For information on scoring for specific projects, a report detailing the scoring for each project will be posted on the TWDB's website.

### **1. Rating Criteria for Water System Projects**

- Health and Compliance – factors regarding public health concerns/issues or violations of Maximum Contaminant Levels (MCLs) pursuant to 40 Code of Federal Regulations Part 141 (see Appendix C)
- Secondary Compliance – factors regarding secondary chemicals and/or physical deficiencies (see Appendix C)
- Effective Management – factors relating to the implementation of effective management practices (see Appendix C)
- Affordability / PAD – factor applied to an entity that qualifies as a disadvantaged community or had TWDB PAD financing for the project (see Appendix D)

### **2. Rating Criteria for Source Water Protection Projects**

- Groundwater System Vulnerability – factor relating to vulnerability of groundwater systems (see Appendix C)
- Surface Water System Vulnerability – factor relating to vulnerability of surface water systems (see Appendix C)

- Effective Management – factors relating to the implementation of effective management practices (see Appendix C)
- Affordability / PAD – factor applied to an entity that qualifies as a disadvantaged community or had TWDB PAD financing for the project (see Appendix D)

### **C. Ranking and Creation of the Project Priority List and Initial Invited Projects List**

Each project submitted by the initial deadline and determined to be eligible is ranked from highest to lowest by the combined rating factors and included on the PPL. In the event of ties in the rating, priority is given to the project serving the smaller total population. Project information submitted after the March 10th deadline was not considered for rating purposes prior to adoption of the initial PPL. Following approval of the IUP, changes to a ranked project that result in a project no longer addressing the issues for which it was rated will require the project to be re-rated and re-ranked. Changes in the project that do not trigger re-rating and re-raking are:

1. The applicant for a proposed project changes but the project does not change;
2. The number of participants in a consolidation project changes and the change does not result in a change to the combined rating factor; and
3. The fundable amount of a proposed project does not increase by more than 10 percent of the amount listed in the approved IUP. The Executive Administrator may waive the 10 percent limit to incorporate additional elements to the project; however, any Additional Subsidization awarded may not exceed the original IUP amount's allocation.

The IIPL presented in the IUP (Appendix K) refers to a subset of projects from the PPL and includes only the projects to be invited to apply for funding during the initial invitation round following the Board's approval of the IUP. The IIPL includes the type and amount of funding necessary to meet requirements and goals of the DWSRF, such as Additional Subsidization and Reserve requirements. Based on a review of readiness to proceed to construction, the TWDB determined which phases would be eligible to receive funding during SFY 2022. The phases indicated on the IIPL represent the phases deemed eligible based on that review.

An entity that previously received a commitment for Planning, Acquisition and/or Design only and desires to be considered for the construction portion of the project must update, at a minimum, the readiness to proceed information. It will then be added to the PPL for construction phase funding based on the same number of points, or higher, they received in the year they were rated. Any invitation for construction phase funding is contingent upon the project having met the required ready to proceed milestones.

A project submitted for the SFY 2022 IUP that received a commitment for all requested phases from TWDB prior to creation of the initial PPL has not been included on the initial PPL. Those projects that already received the commitment are shown as being

ineligible for funding in SFY 2022. A project that previously received a commitment from TWDB for only the initial phase of the project, such as planning, acquisition, and/or design, and also provided an update of the project's readiness to proceed to the construction phase, has been listed on the initial PPL.

For SFY 2022, the IIPL represents projects with costs exceeding the available amount of funds allocated for Equivalency projects. Once the amount of funds allocated to Equivalency projects has been reached, funds will be allocated to Non-Equivalency projects.

## **E. Bypassing Projects**

The TWDB's Executive Administrator may decide to bypass, or skip, higher ranked projects in favor of lower ranked projects to ensure that funds available are utilized in a timely manner and that statutory and capitalization grant requirements are met, including federal additional subsidization requirements. In addition, if an entity is offered funding for any project that has an interrelated project ranked lower on the list, the Executive Administrator has discretion to also offer funding for the interrelated project. Reasons for bypassing projects are discussed in Appendix F.

## **F. Phases for Invited Projects**

### **1. Pre-Design Funding Option (or Planning, Acquisition, Design and Construction Funding)**

The pre-design funding option allows an applicant to receive a single commitment for all phases of a project. The construction portion of the project must be deemed ready to proceed before funds for the construction phase will be released.

### **2. Construction Funding Only**

All projects that were determined to be ready to proceed to construction based on the current status of their planning, acquisition, and design activities were included on the IIPL and will receive an invitation to fund the construction portion of the project.

### **3. Planning, Acquisition, and Design**

A project that was not deemed ready to proceed to construction may receive an invitation to fund only the Planning, Acquisition, and/or Design portion of the project.

### **4. Viability and Feasibility of Projects**

A project must demonstrate to the TWDB that it is viable, feasible, and sustainable prior to being invited to submit an application and prior to receiving a commitment for any funding option, including principal forgiveness, for the acquisition, design or construction phases of the project. A project may receive funds for the planning

phase to assess the viability and feasibility of a project, including funds to prepare an asset management plan.

## **G. Invitations and Application Submissions**

Entities with projects on the IIPL will be informed of the opportunity to submit an application for the project phases shown on the list using the available funding options. An entity on the list may not submit an application until it receives an invitation from TWDB. TWDB will consider the need to meet the minimum federal additional subsidization requirements when deciding whether it needs to bypass projects on the IIPL.

### **Intent to Apply**

As part of the invitation process the TWDB may require the applicant to submit an intent to apply form or information by a specified deadline showing the applicant's intent to request up to the eligible amount of funding in the IUP. Failure to submit the requested intent to apply information by the established deadline will result in TWDB bypassing the project on the IUP list.

Prior to submitting an application, entities are required to participate in a pre-application meeting to discuss the application process and project requirements. Invited applications from projects on the IIPL that are received during the initial invitation round after Board approval of the IUP will be allotted available Additional Subsidization (principal forgiveness) based on rank order. All projects must be determined administratively complete as submitted or within 14 days from the date the applicant receives a notice to correct deficiencies or any Additional Subsidization may be reallocated on a first-come, first-served basis.

Each application received by the TWDB will be reviewed to ensure that the required milestones have been met to allow funding of the phase(s) being requested. If the application review determines that a project is not ready to proceed for funding for the phase(s) being requested, the project may be bypassed for any additional subsidy amounts or receive limited phases of funding.

Projects may be bypassed if an applicant fails to timely submit a complete application or additional requested information.

### **Deadline for Receipt of Invitation**

The TWDB will establish a deadline for receipt of the application. If the application is not received by the established deadline, the project will be bypassed.

### **Subsequent Invitations**

After the initial invitation period, if any funds remain unallocated then other projects on the PPL will be invited in rank order. Applicants may submit a PIF at any time for a project to be considered for inclusion on the amended PPL. The new projects will be

considered after those on the original PPL list have been invited. Amendments to the project lists will undergo a 14-day public review period that will be advertised on the agency website. Projects requesting Urgent Need funding may undergo a 7-day public review period if the TWDB determines it is necessary to protect public health and safety.

#### **H. Addressing Any Water Loss Mitigation within the Application**

If an applicant that is a retail public utility providing potable water has a water loss that meets or exceeds the threshold for that utility in accordance with §358.6 of Title 31, Part 10, Texas Administrative Code, the retail public utility must use a portion of any financial assistance received from the DWSRF, or any additional financial assistance provided by the TWDB, to mitigate the utility's water loss. However, at the request of a retail public utility, the TWDB may waive this requirement if the TWDB finds that the utility is satisfactorily addressing the utility's system water loss. Mitigation, if necessary, will be in a manner determined by the retail public utility and the TWDB's Executive Administrator in conjunction with the project proposed by the utility and funded by TWDB.

#### **I. Self-Certification for Certain Systems Serving 500 or Fewer Persons**

The Water Infrastructure Improvements for the Nation Act (Public Law 114-322) requires DWSRF assistance recipients serving 500 or fewer persons to consider publicly-owned wells (individual, shared or community) as an option for their drinking water supply. Any applicable project involving the construction, replacement or rehabilitation of a drinking water system which is not already using a publicly-owned well for the source are required to self-certify. If the community already uses a publicly-owned well (including a privately-owned well for a public water system) and the project does not involve a new water source, then the self-certification is not needed. The self-certification is only for projects which do not involve a publicly-owned well source to ensure that this was one of the water supply options considered but not selected as the best alternative.

#### **J. Commitment Timeframes for Projects with Principal Forgiveness Component(s)**

Due to the high demand and limited availability of subsidized funding, it is imperative that applicants offered these funds proceed in a timely manner. Therefore, the TWDB has established commitment timeframes for projects that qualify and have been designated to receive Additional Subsidization in the form of principal forgiveness. If an applicant does not submit an application by the established deadline and then proceed through the application process and obtain a funding commitment within the timeframes listed below, the Additional Subsidization may be reallocated to another eligible project. In extenuating circumstances, if the application was received by the established deadline then TWDB may grant an extension of time for obtaining a commitment if an applicant demonstrates sufficient reason for a delay.

<b>Principal Forgiveness Type</b>	<b>Commitment Deadline</b>
Disadvantaged Community/ Disadvantaged Community – Small / Rural only	4 months
Very Small Systems	4 months
Green Subsidy	4 months
Emergency Preparedness	4 months
Urgent Need	3 months

## **K. Closing Deadlines**

The deadline to close a commitment is dependent on whether the commitment includes Additional Subsidization in the form of principal forgiveness. Commitments that include only principal forgiveness must close within four months from the date of commitment. All commitments that include principal forgiveness funding concurrently with bonds/loan funding must close within six months from the date of the commitment. All commitments for bonds/loan funding without any principal forgiveness funding must close within one year from the date of commitment. In extenuating circumstances, the Board may grant extensions of time to close if an applicant demonstrates sufficient reason for a delay. The TWDB may extend these closing deadlines if necessary to confirm to the closing schedule for concurrent financing for the project from another TWDB financing program.

<b>Type of Financial Assistance</b>	<b>Closing Deadline</b>
Commitments that include only principal forgiveness	4 months
All commitments that include principal forgiveness and bonds/loan	6 months
All commitments for bonds/loan without any principal forgiveness	12 months

## **L. Limits**

### **1. Proportionate Share/Capacity**

The TWDB may limit the amount of funding available to an individual entity or project based on a proportionate share of total funds available. Initially, the maximum loan/bond commitment amount a project may receive under the SFY 2022 IUP is \$24 million; however, after all projects on the PPL as of March 31, 2022 have received an invitation and the last application deadline has occurred, if funds remain available then the TWDB may increase the maximum as the Executive Administrator determines is appropriate to fully allocate funds. Allocation of remaining funds will consider first those projects on the initial IUP PPL in rank order and then any projects that were subsequently added in order of receipt of a fully completed PIF. The TWDB may elect to provide financing in excess of the capacity level if the Board approves the increase consistent with maintaining the DWSRF in perpetuity and after consideration of other relevant factors.

## **2. Equivalency funding limits**

For SFY 2022, the maximum initial amount of equivalency funds made available is \$100 million , with no more than \$24 million of equivalency funds being available to one entity or project in a single year, unless it is a Disadvantaged Community. There may be an exception for those projects receiving a loan/bond commitment in excess of \$24 million as described under “Proportionate Share/Capacity.” The TWDB may elect to provide financing in excess of these initial capacity levels if the Board approves the increase consistent with maintaining the DWSRF in perpetuity and after consideration of other relevant factors.

## **3. Additional Project Funding Before Closing**

The total project costs may be increased if the entity shows that additional funds are necessary to implement the project. If the project includes Additional Subsidization, the total amount of Additional Subsidization in the form of principal forgiveness allocated to the project may not increase from the amount listed in the IUP unless Additional Subsidization funding is available.

## **4. Cost Overruns After Closing**

In the event of cost overruns on projects funded from a previous commitment, additional funding may be considered on a case by case basis.

## **5. Reduction in Closing Amount**

For commitments that consist of both principal forgiveness and loans/bonds, if the closing amount is reduced from the commitment amount, then the principal forgiveness amount for the closing will be reduced on a pro rata basis. Any remaining principal forgiveness may be applied to subsequent closings of the remaining commitment amount, subject to the closing requirements of paragraph K of this section.

## **M. Leveraging to Provide Additional Funding**

The TWDB may leverage the DWSRF program as necessary to meet the demand for funding additional drinking water projects.

## **N. Funds from Prior Years**

Additional funds that may become available through unobligated previous grant funds, or deobligation or closure of previous commitments will be available for eligible projects.

## **O. Transfer of Funds**

### **1. Reserving Transfer Authority for Future Use**

Section 302 of the SDWA Amendments of 1996 provides states the authority to reserve and transfer funds between the DWSRF and the CWSRF programs. In accordance with Section 302, the TWDB hereby reserves the authority to transfer an amount up to thirty-three percent (33 percent) of the DWSRF program capitalization grant(s) to the CWSRF program or an equivalent amount from the CWSRF program to the DWSRF program.

### **2. Ongoing cash flow transfer mechanism**

The TWDB may transfer in accordance with the authority in Section 302 of the SDWA up to \$200,000,000 of funds derived from repayments between the CWSRF and DWSRF. No grant funds would be transferred under this standing transfer mechanism. Funds derived from repayments from each SRF may flow from one SRF to the other SRF in both directions throughout the year. This mechanism will use surplus funds in one SRF to temporarily meet loan demand in the other SRF. It will achieve savings by eliminating issuance costs from bond sales that would otherwise be necessary to meet cash flow demands in a particular SRF. The actual amount TWDB transfers at any time throughout the year will be based on the cash flows needs of the each SRF program. TWDB will track the transfers on an absolute basis for reporting purposes and also a net basis to ensure the net amount of transfer does not exceed the limit under law of thirty-three percent of the respective program's capitalization grants. This will result in a positive impact on funds being available to finance projects in both SRFs. The SRF that receives the funds will be able to fund projects more efficiently and rapidly. The transferred funds will be returned to the originating SRF so it will be able to meet its project funding needs. In addition, because both SRFs are leveraged they may borrow funds to finance projects if necessary. The long-term impact on both SRFs is positive because of the improved operational efficiencies and ability to achieve program savings. The TWDB will include any amount that was transferred in SFY 2022 in the DWSRF program's SFY 2022 Annual Report. (See Appendix E for the calculation demonstrating that \$200,000,000 may be transferred in accordance with Section 302 of the SDWA Amendments of 1996.)

## **P. Updates to the Intended Use Plan**

Substantive changes to the IUP may be made through an amendment after a 14-day public review and comment period. Non-substantive changes may be made by the TWDB without public notification.

## **IX. Set-Asides**

Federal regulations allow states to set aside up to 31 percent of the capitalization grant funds for purposes other than financing construction projects for water systems. The set asides for SFY 2022 will be allocated as follows: 4 percent for the TWDB for



administration/technical assistance, 10 percent for TCEQ for State Program Management, 2 percent for TCEQ for Small Systems Technical Assistance, and \$1,800,000 (approximately 2 percent) for TCEQ for Local Assistance and Other State Programs. Set-asides from the reallocated FFY 2019 funds from another state totaling \$813,000 are included as well.

#### **A. Texas Water Development Board Administration and Technical Assistance Activities**

The SDWA allows a state to set aside funds to cover the reasonable costs of administering the DWSRF and to provide technical assistance to public water systems. The amount that may be taken for these purposes is the amount of any fees collected by the State, regardless of the source; and the greatest of (1) \$400,000, (2) one-fifth of one percent of the current valuation of the DWSRF (both loan and set-asides), and (3) an amount equal to four percent of all grant awards to the DWSRF for the particular fiscal year.

The TWDB will draw administrative and technical assistance set-asides from the FFY 2021 Capitalization Grant in the amount of \$3,448,080. An additional \$32,520 of administrative and technical assistance set-aside will be taken from the FFY 2019 reallocated funds. This amount is based on the option of using four percent of the FFY 2021 capitalization grant. These funds will be used for allowable expenses such as reporting activities, payment processing, application assistance, project development and monitoring, and technical assistance to public water systems. In addition, the TWDB assesses fees for the purpose of recovering administrative costs. These fees are placed in a separate account for future administrative expenses. The fees are generated by an assessment of 2.0 percent of the portion of the DWSRF financial assistance that is repaid and is assessed at closing. Fees collected will be deposited into the Administrative Cost Recovery Fund.

Federal regulations governing the DWSRF program permit a state to reserve its authority to take an amount equal to 4 percent of the current year's grant from a future grant to defray the cost of administering the program. The TWDB, as it has done since SFY 1998, is reserving that authority.

#### **B. Texas Commission on Environmental Quality Activities**

Funds for TCEQ Set-Aside activities from the FFY 2021 capitalization grant totaling \$12,144,240 may be used in SFY 2022. Remaining funds from the previous DWSRF grant, except for funds for Local Assistance and Other State Programs, may also be used in SFY 2022.

State Program Management Set Aside from FFY 2021 grant	\$8,620,200
Small Systems Technical Assistance Set Aside from FFY 2021 grant	\$1,724,040
Local Assistance and Other State Programs Set Aside from FFY 2021 grant	\$1,800,000
<b>Total TCEQ Set-Aside amount from FFY 2021 grant</b>	<b>\$12,144,240</b>

FFY 2019 reallocated funds from another state may be used in SFY 2022 as follows:

State Program Management Set Aside from FFY 2019 reallocated funds	\$81,300
Small Systems Technical Assistance Set Aside from FFY 2019 reallocated funds	\$16,260
<b>Total TCEQ Set-Aside amount from FFY 2019 reallocated funds</b>	<b>\$97,560</b>

A detailed description of SFY 2022 activities may be found in TCEQ's DWSRF Set-Aside Work Plans. Activities are expected to be completed by August 31, 2022.

### **C. Coordination of Activities with the Texas Commission on Environmental Quality**

The TWDB and TCEQ regularly communicate to discuss projects in need of financial assistance through the DWSRF program. The two agencies hold periodic DWSRF coordination meeting and TCEQ staff attend many of TWDB's pre-application meetings and financial assistance workshops.

## **X. Financial Status**

The total base amount of funding available for SFY 2022 is set at \$150,000,000. The amount of the FFY 2021 capitalization grant allotment for the DWSRF program is \$86,202,000, with a match of \$17,240,400 to be provided by the state. As demand warrants, the TWDB will leverage the DWSRF to provide additional financial assistance to projects. The TWDB will comply with the requirements associated with the FFY 2021 allotment in SFY 2022. An additional \$813,000 of FFY 2019 reallocated funds from another state, with a state match of \$162,600, are included in the total for SFY 2022. These reallocated funds will carry the terms and conditions from the FFY 2019 federal appropriations.

### **A. Sources of State Match**

The deposit of required state match will occur in advance or at the time of the scheduled grant payment and the source of funding for the match, which may include the proceeds of bonds sales or state appropriations, varies based upon availability.

### **B. Binding Commitment Requirement**

The TWDB will enter into binding commitments with entities during SFY 2022 that total 120 percent of the amount of a FFY 2021 grant payment allocated to projects within one year after the receipt of the grant payment. A binding commitment occurs when the TWDB's Board adopts a resolution to commit funds to a project.

### **C. Leveraging**

The DWSRF program will be leveraged as necessary to provide funds to meet the needs of public water systems in the state. The TWDB will leverage funds through the

issuance of debt obligations in accordance with a Master Resolution and supplemental resolutions covering the issuance of each bond series.

#### **D. Cross-collateralization**

On March 1, 2018, the TWDB has cross-collateralized the CWSRF and the DWSRF as a source of revenue and security for the payment of the principal and interest on bonds for the DWSRF and CWSRF programs. State authority is provided under Section 15.6042 of the Texas Water Code. The TWDB has received a certification from the state Attorney General that state law permits the TWDB to cross-collateralize the assets of the CWSRF and the DWSRF. Cross-collateralization of the CWSRF and DWSRF will enhance the ability of the DWSRF to leverage its funds and increase its lending capacity without detriment to either of the SRF programs.

1. Summary of the cross-collateralization structure:
  - a. The type of moneys which will be used as security – Pledged Political Subdivision Bonds and certain other funds included in the Master Resolution (program account, portfolio account, and revenue account) will secure the bonds.
  - b. How moneys will be used in the event of a default - In the cross-collateralized scenario, Political Subdivision Bonds from the non-defaulting program will be used to cover the debt service delinquency on the defaulting program. If, for any reason, insufficient Political Subdivision Bonds exist in both programs, then program equity will be utilized.
  - c. Whether or not moneys used for a default in the other program will be repaid; and, if it will not be repaid, what will be the cumulative impact on the funds - While a decision to repay or not repay would be made at the time of default, the TWDB would either require repayment when funds are available or transfer repayment funds.
2. Proportionality – The proceeds generated by the issuance of bonds will be allocated to the purposes of the CWSRF and the DWSRF in the same proportion as the assets from the two funds that are used as security for the bonds.
3. State Match – In accordance with Texas Water Code §§ 17.853(c)(1) and 17.859, the TWDB intends to provide state match through the issuance of one or more revenue bonds in a program series that will fund the two SRF programs. Supplemental bond resolutions for the issuance of each series will provide detail on what specific money is pledged as security for each program (CWSRF or DWSRF) within the series. As required, the CWSRF and DWSRF will continue to be operated separately. The cash flows for the DWSRF program and the CWSRF program will be accounted for separately. Repayments on loans in the CWSRF program will be paid to the CWSRF and repayments on loans made in the DWSRF program will be paid to the DWSRF.

Similar to other states' financing methods where state match is not provided by appropriation and is instead generated through debt issuance, the TWDB cross-collateralization structure allows the TWDB to retire bonds for the State Match with

interest earnings payments only, not principal, earned from each SRF in accordance with 40 CFR § 35.3550(g)(3).

#### **E. Inter-fund Loan / Investment**

During SFY 2022, the TWDB may invest funds from the CWSRF in the DWSRF in an amount not to exceed \$150 million. If the TWDB elects this option, it will execute an inter-fund loan agreement between the CWSRF and the DWSRF with a term that will not exceed three years. Any CWSRF recycled funds deposited in accordance with the inter-fund loan agreement would be used exclusively for DWSRF eligible purposes. The TWDB would also issue a reimbursement resolution providing for repayment of funds to the CWSRF using the proceeds of a DWSRF bond issuance once the DWSRF program is leveraged. The TWDB received EPA approval for this option on March 8, 2017.

#### **F. Method of Cash Draw**

The method of cash draw for the FFY 2021 capitalization grant is to expend the required state match first, and then federal funds will be drawn at a rate of 100 percent.

#### **G. Long-Term Financial Health of the Fund**

The long-term financial health of the DWSRF is monitored through ongoing cash flow and capacity modeling. The TWDB lending rate policy has been established to preserve the corpus of the capitalization grants and state match funds, excluding the amount of principal forgiveness, set-aside amounts from each grant, and net transfers. The TWDB will continue to manage the DWSRF to ensure funds will be available in perpetuity for activities under the SDWA.

#### **H. Interest Rate Policy**

The interest rate will be a percentage reduction from the Thomson Reuters Municipal Market Data (MMD) rate adjusted for yield to maturity that is applicable to the entity's rating, with non-rated entities using the Baa rate, as follows:

- (a) Equivalency projects: 35% reduction
- (b) Non-Equivalency projects: 30% reduction

Exclusions from interest rate reduction methodology - the interest rate reduction methodology does not apply to any portion of financing that is offered at zero percent (0%). The full benefit of the 0% financing under the respective special funding option will be incorporated into the total of the maturities for bonds or the total loan payments for loans.

Rates are set five business days prior to the adoption of the political subdivision's bond ordinance or resolution or the execution of the financial assistance agreement, but may be based on interest rate levels determined as of an earlier date, and are in effect for forty-five days.

## **I. Fees**

The only fee is an origination fee of 2.0 percent that is assessed at closing. Fees are not deposited into the DWSRF. The accumulated fees may be used for any eligible activity, including administrative costs, such as project oversight, long-term financial monitoring, and Special Program Initiatives described in Section XII.

## **J. EPA Program Evaluation Report and Audit**

EPA has conducted an annual program review of the DWSRF program for SFY 2020 and will send their final report to TWDB upon completion.

The Texas State Auditor's Office published the results of the SFY 2020 Single Audit of the DWSRF on February 26, 2021 (Report 21-015). There were no findings as a result of the review.

## **XI. TWDB Special Program Initiatives**

### **Asset Management Program for Small Systems (AMPSS) Initiative**

#### **Purpose and Overview:**

Smaller water and wastewater utilities often operate reactively rather than proactively, usually due to a lack of resources and planning tools. For some of the smaller utilities, system components are replaced only after failure, while system expansion occurs only as requested by users or mandated by regulatory agencies. The TWDB has developed and implemented an initiative to assist these water and wastewater utilities in creating a plan for managing their systems in a financially and technically sustainable manner by delivering management tools developed by the Texas Commission on Environmental Quality (TCEQ). TWDB will contract with qualified entities to evaluate the existing system and create an asset management plan in accordance with the guidelines created by TCEQ's Small Business and Governmental Assistance Section. This plan will become the basis for planning for system sustainability by identifying replacement dates and estimated costs, developing best practices for operation and maintenance, and developing financial plans for obtaining funding for future needs.

The system will receive the following tangible assistance:

- a. Asset Management Plan.
- b. Sustainability Plan.
- c. System Operations and Maintenance Manual.
- d. Training for system management and staff.
- e. A Compliance Manual.
- f. Installation of all tools that were developed on the system's computer system.

### Funding – Administrative Costs

The funds to cover the contracted services for these smaller systems come from origination fees from the CWSRF and DWSRF. The TWDB considers the planned activities to be administrative activities under the CWSRF program and administration / technical assistance under the DWSRF program. The benefit to wastewater systems would be covered through CWSRF origination fees while projects that benefit water systems would be covered through DWSRF origination fees.

- a. The TWDB will pay not more than \$100,000 per project.
- b. Match - There is no match requirement for the system; however, the system will be required to contribute 80 hours of staff participation to the development of the plan. (TWDB may waive the required contribution requirement if the TWDB determines it would constitute a serious hardship on the operations of a system with only a few or no full-time staff.)

### Systems to be Assisted

The target systems are defined as (a) having 5,000 service connections or less or (b) an entity that has a population of less than 10,000 and one that is not located within the borders of any municipality with a population over 10,000, including its extra-territorial jurisdiction.

### Selection of Contractors

The TWDB may select multiple contractors according to qualifications that are specified in a RFQ. The procurement process will follow all state procurement laws and requirements, including use of Historically Underutilized Businesses.

### Scope of Work to be Performed by Contractors for Selected Systems

The work must meet the following requirements:

- a. Asset Management – (1) Conduct a system evaluation (asset identification, location, and date of service or approximate age), as needed, resulting in an inventory of the system and prioritization of assets, (2) develop a comprehensive plan for managing system assets, (3) develop a budget for managing system assets, (4) develop an implementation plan, including a time schedule, for implementing and updating the asset management plan, and (5) determine whether a rate study is necessary.

The resulting asset management plan must fulfill the general requirements of a Fiscal Sustainability Plan as outlined in the Federal Water Pollution Control Act.

Further, in the section of the asset management plan that discusses funding sources, it must identify current TWDB financial assistance programs, including the CWSRF and DWSRF programs as applicable, that may be utilized to meet the system's needs. The asset management plan must include an analysis of whether current utility rates would provide adequate revenue to meet future system needs but it does not have to include a full rate study that establishes a new rate structure.

b. Emergency Preparedness/ Weatherization/ Resiliency –recommendations related to emergency preparedness and operations.

c. For Water Systems: Source Assessment and Planning - Identify the utility's drinking water source, develop any appropriate best management practices for sustaining the source (at a minimum develop or update the system's conservation and drought contingency plans), and, if needed, identify options for alternative sources. It will discuss plans for water conservation and detecting and minimizing water loss.

For Wastewater Systems: Sustainable Systems - Create a plan to manage the system more efficiently by conducting an energy assessment of the system and including recommendations for energy-efficiency improvements, and potential public-participation programs.

d. Operations and Maintenance - Create an operations and maintenance manual for the utility that includes a plan for scheduling and performing preventative and general maintenance. The plan may identify other resources available to the system such as TCEQ's financial, managerial, and technical assistance.

e. Compliance - Train the utility's management and staff on monitoring, reporting, and record-keeping requirements, the TCEQ's investigation and enforcement process (including an enforcement scenario), and develop a compliance manual that includes copies of all required reports, compliance checklists and tables for keeping track of State and/or Federal requirements. The compliance manual may be incorporated into the Operations and Maintenance manual.

f. Other Requirements - As part of the project, all tools that are developed, such as spreadsheets and manuals, shall be nonproprietary and will be installed on the system's computer system and key staff members will be trained sufficiently to implement the plan. The TWDB-procured contractor must coordinate development activities, including the training of key system staff members, with the utility's management. The utility's management and the TWDB must be kept informed quarterly of the status of the project while it is under development and be provided an opportunity to provide ample input on the development of plans.

The project activities conducted by the TWDB-procured contractor must include at least one presentation to the system's governing body or owner that provides an overview of the developed plans, the benefits to the system of implementing the plans, and any recommendations.

The TWDB-procured contractor must return to the system between 12 months and 18 months after delivery of the final plans to assess the system's implementation progress and provide TWDB and the system's governing body or owner a written analysis of the system's implementation of the plans.

The TWDB-procured contractor and the smaller system will negotiate and execute a contract in a form acceptable to TWDB covering the development of the project prior to the

contractor initiating any work. The contractor must complete the project within 9 months after the date of the contract between the contractor and the system.

#### Initial Round:

In the Fall of 2018, a total of \$225,000 was made available from the SRF for three small systems in the initial round to address their water system. The work was completed in 2020.

#### Reserve of Accumulated Fees:

The TWDB is reserving \$500,000 of accumulated DWSRF fees for the AMPSS initiative, along with another \$500,000 of CWSRF program accumulated fees, for a total of \$1,000,000. Funds will be used to contract for services to assist small systems develop asset management tools. Additional accumulated fees may be used by TWDB to manage the program, oversee implementation, and promote the benefits of the asset management tools being provided through AMPSS.

#### Subsequent Rounds:

The TWDB anticipates awarding additional contracts under this initiative in a total amount to be determined during the year.

#### Reporting:

The TWDB will report on the amount of fees allocated, recipients assisted, and outcomes under this initiative in its Annual Report.

### **CFO to Go Initiative**

Similar in concept to the AMPSS program, the TWDB has developed and implemented a pilot program called “CFO to Go” using origination fees collected under the Clean and Drinking Water State Revolving Fund programs. Under this program, the TWDB will contract with Certified Public Accountants (CPAs) to provide technical assistance services to designated recipients of TWDB funding under the State Revolving Fund (SRF) programs. The TWDB will select recipients determined to be in need of special assistance from a CPA to maintain adequate compliance with the requirements of the SRF programs.

The contracted CPA’s anticipated work activities would fall into two broad categories of services for the designated recipients.

First, the contracted CPA would evaluate regulatory and financial assistance covenant compliance procedures in the following areas for designated recipients:

- Activities allowed/unallowed, including compliance with financial instrument covenants,
- Allowable costs/cost principles,
- Federal funding eligibility, and/or
- Financial Reporting.

Second, the CPAs will provide professional services in areas such as the following:



- Advising recipients on the design and implementation of internal control procedures, particularly those addressing Internal Controls Over Financial Reporting in response to control weaknesses identified in audits of Comprehensive Annual Financial Reports and/or in Single Audit Reports and Management Letters (or the equivalent),
- Assisting recipients in the design of procedures for preparing financial statements required by the covenants of loan and other financial commitment documents that require compliance with Generally Accepted Accounting Principles and Generally Accepted Government Accounting Standards. This assistance will not include actually performing the independent audit of the entity's financial statement, or
- Assisting recipients in the identification and interpretation of funding commitment provisions and covenants and best practices related to compliance disclosure.

While these provide examples of the contracted CPA services contemplated at this time, the TWDB may alter the scope of services under this program to reflect the needs of the agency and the recipients.

The expenditures under the CPA contracts will be allocated to the respective SRF programs based on the initial amount provided under existing SRF loans with the designated recipient. The TWDB considers the planned activities to be administrative activities under the CWSRF program and administration / technical assistance under the DWSRF program.

Reserve of Accumulated Fees - The TWDB is reserving \$500,000 of accumulated DWSRF program fees for the CFO to Go initiative, along with another \$500,000 of CWSRF program accumulated fees, for a total of \$1,000,000. Funds will be used to contract for services to provide technical assistance services to designated recipients of TWDB funding under the SRF programs. Additional accumulated fees may be used by TWDB to manage the program, oversee implementation, and promote the benefits of the technical assistance being provided through CFO to Go.

The TWDB will report on the amount of fees allocated and the recipients assisted under this initiative in its Annual Report.

### **Securing Safe Water – Outreach, Technical Assistance and Funding Initiative**

TWDB is in the process of developing and implementing an initiative to reduce the number of public water systems in Texas with unresolved health violations. This initiative will support EPA's Strategic Plan's goal of significantly reducing the number of systems with health violations. As of June 16, 2021, TCEQ reported 229 public water systems had unresolved health violations in Texas. Below is an outline of TWDB's overall strategy.

#### **1. Funding**

In the SFY 2022 IUP, the TWDB has specifically allocated a portion of the available principal forgiveness in the Very Small Systems and Urgent Need funding options for this initiative. In addition to these special allocations, the TWDB will use principal forgiveness, zero-interest loans, and regular low-cost loans from the Disadvantaged

Communities, Disadvantaged Communities – Small/ Rural and Urgent Need funding options to support this initiative.

2. Outreach & Determining Need

- a. Contacting systems – letters, telephone calls, and notifications of workshops
- b. Site visits
- c. Special workshops
- d. Developing outreach documents or videos

3. Technical Assistance

- a. Determining the appropriate first steps for the public water system.
- b. Application assistance
- c. Income survey assistance
- d. Developing technical guidance such as pamphlets and videos
- e. Partnering with others such as TCEQ
- f. Facilitating the appropriate involvement of professional entities such as engineering firms to prepare and seal the Project Information Forms and assist with project implementation

4. Based on feedback received, assessing viable long-term options that may be deployed in subsequent years in support of this initiative, including

- a. Consider using the AMPSS and CFO to Go initiatives
- b. Determine whether a fee-supported program would be beneficial to provide engineering or other assistance

5. Tracking outcomes

- a. Develop special reports to track: Outreach Contacts, Technical Assistance provided, Type of violation, TWDB funding provided, and date removed from TCEQ's list.
- b. Report outcomes in the Annual Report.

## **XII. Navigating the Lists**

Appendices G – K are a series of lists that detail the proposed project information of each project based upon the PIFs received.

- **Appendix G** - The alphabetical list is the PPL sorted alphabetically. It contains the project information; the name of the applying entity, their total number of points and associated priority order rank, the type of system, the system's PWS ID number, the total population based on TCEQ data, a detailed description of the proposed project, all project phases requested by the entity, the estimated construction start date, total project cost, the percentage of principal forgiveness if the project is eligible to receive

disadvantaged funding, information regarding included green components, and a reference to any other related PIFs from the current or previous IUPs. A grand total for all of the projects is listed on the last page of the appendix.

- **Appendix H** – Lists projects that were deemed ineligible to receive DWSRF funding with a brief description as to why they were deemed ineligible.
- **Appendix I** – Lists projects that were deemed ineligible to receive disadvantaged funding with a brief description as to why they were deemed ineligible. The project may still be eligible to receive other funding options.
- **Appendix J** – Lists projects in order of highest priority to receive funding. The content is the same as the alphabetical list in Appendix G.
- **Appendix K** – Is the list of projects that will be invited in the initial invitation round. The information provided in this list is similar to the alphabetical and priority order lists. The TWDB has determined which project phases are eligible to receive funding during this SFY, which is depicted in the Phase(s) column. Projects on this list will receive an invitation letter from the TWDB upon Board approval of the IUP. Pertinent notes and the definitions of acronyms and footnotes are listed on the last page of the appendix along with a grand total for the projects.
- **Appendix L** - The Initial Invited Green Projects List is a subset of the IIPL of only projects with green components. The information detailed includes a description of the green components, the categories of those green components, the eligible phases of the project, the total project cost, the total of the green component costs, the type of green project, and whether the proposed project is eligible to receive subsidized green funding. A grand total for the projects is listed on the last page of the appendix along with any pertinent notes and the definitions of acronyms and footnotes.

## **Appendix A. Public Review and Comment**

### **Public Participation in the Development of the Intended Use Plan**

Public participation is an important and required component of the IUP development process. The TWDB takes seriously its responsibility in administering these funds and considers public input necessary and beneficial.

#### **A. Notice**

To seek public comment on the proposed uses of funds, the draft IUP, including the associated lists, was made available for a 30-day public comment period. The draft SFY 2022 DWSRF IUP was announced as follows:

- Public notification of the draft IUP, the public comment period, and public hearing notice was posted on the TWDB website at [www.twdb.texas.gov](http://www.twdb.texas.gov).
- The notice was sent via email to all entities that submitted projects for the SFY 2022 IUP and everyone who had signed up to receive TWDB email notifications.
- A copy of the draft IUP was sent to EPA.

#### **B. Comment**

Comments were accepted via the following three options from July 21, 2021, until 5:00 P.M. on August 19, 2021.

1. Attending a public hearing on August 18, 2021 at 9:00 A.M. at the Stephen F. Austin State Office Building, Room 170, in Austin, Texas.
2. Emailing comments to the following electronic mail address and specifying in the subject line "*DWSRF comments*".  
[iupcomments@twdb.texas.gov](mailto:iupcomments@twdb.texas.gov).
3. Mailing comments to the following postal mail address:  
Mr. Mark Wyatt  
Director, Program Administration and Reporting  
Texas Water Development Board  
P.O. Box 13231  
Austin, TX 78711-3231

In accordance with federal requirements, all comments on the proposed IUP were responded to on an individual basis.

**C. Effective Date**

The SFY 2022 DWSRF IUP is considered final on the effective date.

**D. Documentation**

The final IUP will be formally submitted to the EPA and posted on the TWDB website.

## Appendix B. Projected Sources and Uses of Funds

From 6/1/2021 to 8/31/2022

(As of May 31, 2021)

### SOURCES:

FFY 2021 Federal Capitalization Grant and reallocated FFY 2019 funds of \$813,000	\$87,015,000
State Match - for FFY 2021 Federal Capitalization Grant and reallocated funds	\$17,403,000
Undrawn previous grants	\$24,420,080
Principal Repayments	\$90,850,704
Interest Repayments	\$23,257,386
Investment Earnings on Funds	\$324,717
Cash available	\$279,089,839
Additional net leveraging bond proceeds (based on "Projects to be Funded")	\$73,792,617

### TOTAL SOURCES:

**\$596,153,343**

### USES:

#### Set-Asides from FFY 2021 Grant and reallocated FFY 2019 funds:

TWDB Administrative Set-Aside	\$3,480,600
Total TWDB Set-Aside:	\$3,480,600

TCEQ Small Systems Technical Assistance Program Set-Aside	\$1,740,300
TCEQ Texas State Management Program Set-Aside	\$8,701,500
TCEQ Local Assistance and Other State Programs Set-Aside	\$1,800,000
Total TCEQ Set-Asides	\$12,241,800

<u>Set-Asides from prior grant</u>	\$12,943,072
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#### Projects to be Funded:

SFY 2022 IUP Commitments – Additional Subsidization	\$30,000,000
SFY 2022 IUP Commitments – Bonds/Loans (Available Amount less Addit. Subsidy)	\$120,000,000
Total Projects To Be Funded - SFY 2022:	\$150,000,000

#### Projects with Commitments/Apps Being Processed

Commitments <sup>1</sup>	\$267,277,500
Applications	\$71,509,050
Installment closings	\$1,750,000
Total Projects with Commitments or being processed:	\$340,536,550

#### Debt Service:

Principal Payments	\$48,376,544
Interest Payments	\$28,574,777
Total Debt Service:	\$76,951,321

### TOTAL USES:

**\$596,153,343**

### NET SOURCES (USES):

**\$0**

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

1. Excludes multi-year commitments closing after SFY 2022

## Appendix C. Rating Criteria

### TCEQ Ratings

*All TCEQ ratings will be summed then multiplied by 10 before adding effective management and affordability points.*

### **Combined Rating, Health and Compliance, and Primary Compliance Factors**

#### **Microbiological Factors**

The sum of the total coliform MCL violations, total acute coliform MCL violations, and the treatment technique violations (including all exceedances of the 0.5 Nephelometric Turbidity Units standard), disregarding one violation.

#### **Points**

$(TCV=s)+(ACV=s)+(TT)-1$

#### **Chronic Chemical**

The compliance result above the MCL for any chronic exposure chemical, divided by the MCL level.

Result/MCL

#### **Acute Chemical**

Three times the compliance result above the MCL for Nitrate or Nitrite, divided by the MCL level.

$(\text{Result/MCL}) \times 3$

#### **Carcinogen**

Two times the compliance result above the MCL for any carcinogenic chemical, divided by the MCL level.

$(\text{Result/MCL}) \times 2$

#### **Lead/Copper**

Two times the greater of the 90<sup>th</sup> percentile lead level divided by the lead action level or the 90<sup>th</sup> percentile copper level divided by the copper action level.

$[\text{Greater of } (Pb90/0.015) \text{ or } (Cu90/1.3)] \times 2$

#### **Filtration**

Awarded to any system with one or more sources identified as surface water or groundwater under the direct influence of surface water for which no filtration is provided.

12.00

#### **Groundwater Rule Factor**

Awarded to any system with one or more sources of water identified as groundwater requiring 4-log viral inactivation for which 4-log inactivation is not provided.

12.00

#### **Population Factor**

Added to the sum of the other Primary compliance factors to determine the overall compliance rating.

#### **Population Range**

0-100	0.00
101-1,000	1.00
1,001-10,000	2.00
10,001-100,000	3.00
100,001+	4.00

### **Secondary Compliance Factors**

#### **Secondary Chemical**

One half the compliance result above the MCL for any secondary chemical violation for sulfate, chloride, and total dissolved solids, divided by the MCL level. (Maximum of 1 pt.)

$(\text{Result/MCL}) \times 0.5$

**Physical Deficiency Factor**

A rating based on the confirmed existence of physical deficiencies within the water system. This rating will be used to prioritize systems with no other Health and Compliance Factors or Affordability Factors.

**Deficiency:**

Pressure <20 psi	1.00	Water Loss >25%	0.25
No disinfection	1.00	Pressure $\geq 20$ & $\leq 35$ psi	0.25
Production $\geq 85\%$ total capacity	0.25	Other Secondary MCLs	0.25
Storage >85% total capacity	0.25		

**Consolidation Factor**

The sum of all factors for each system which will be consolidated. One half the sums of all factors for each system which will be provided wholesale water.

**TWDB Ratings****Effective Management**

An adopted asset management plan that contains an inventory of assets, an assessment of the criticality and condition of assets, a prioritization of capital projects, and a budget. 2.50

Entity has adopted an Asset Management / Financial Planning tools within the past 5 years that contains the product deliverables under the AMPSS initiative as described in Section XII. 5

Entity plans to prepare an asset management plan with completion of proposed project 0.50

Providing asset management training for the entities governing body and employees 0.50

Project addresses a specific goal in a water conservation plan 1.00

Project involves the use of reclaimed water 1.00

Project addresses a specific goal in an energy assessment, audit, or optimization study conducted within the past three years 1.00

Project is consistent with a municipal and/or state watershed protection plan, water efficiency plan, integrated water resource management plan, a regional facility plan, regionalization or consolidation plan, or an approved Total Maximum Daily Load implementation plan 2.00

**Disadvantaged Eligibility**

Awarded to any entity that qualifies as a disadvantaged community (see Appendix D for eligibility criteria) 10.00

**Previously Received TWDB Planning, Acquisition or Design Funds**

The project is requesting construction financing and previously received a TWDB commitment for Planning, Acquisition, and/or Design (PAD) financing within the prior five years (60 months) of the PIF due date under the DWSRF program or the TWDB's 10.00



Economically Distressed Areas Program, the entity has completed and received TWDB completion approval for all of the PAD activities and is ready to proceed to the construction phase, TWDB has released from escrow at least eighty percent of the PAD funds, and the project has not received any TWDB funding for construction.

**Tie Breaker**

Equal combined rating factors will be ranked in descending order with priority given to the least population first.

## Source Water Protection Rating Criteria and Process

This program provides financial assistance to assist communities in implementing source water protection Best Management Practices recommended by TCEQ. The TWDB will determine annually the amount of capitalization grant funds to be reserved for source water protection projects and will include this information in the intended use plan, provided however that no more than 10 percent of any DWSRF capitalization grant can be so reserved. All projects classified as source water protection projects are subject to the requirements established in 31 Texas Administrative Code §371.4 (relating to Other Authorized Activities: Source Water Protection and Technical Assistance) and those set forth in this intended use plan. If funds which have been reserved for source water protection projects are unused after all applicants have been provided an opportunity to submit an application, such funds may be made available for other projects in the DWSRF program.

**Rating Process** – To be eligible for consideration, PWS must be willing to participate in TCEQ's Source Water Assessment and Protection program. Eligible entities that seek consideration for source water protection funding will be rated according to the following criteria:

a. Groundwater System Vulnerability Factor

- (1) Groundwater systems without the necessary water well geologic protection will receive 4 points.
- (2) Groundwater systems with documented Nitrate concentrations of greater than two milligrams/liter will receive 1 point.
- (3) Groundwater systems obtaining water from selected vulnerable aquifers will receive 1 point.
- (4) Groundwater systems with confirmed detections of organic chemical contamination identified in Table 1 will receive 2 points.
- (5) No groundwater system may receive more than 6 system vulnerability points. Groundwater systems that receive no system vulnerability points will not be considered for source water protection funding.

b. Surface Water System Vulnerability Factor

- (1) Surface water systems with contributing watersheds of 20 square miles or less as determined by TCEQ will receive 3 points.
- (2) Surface water systems with confirmed detections of organic chemical

<b>Table 1.</b>	
<b>Organic Chemical Contaminants</b>	
2,4,5-TP	Endrin
2,4-D	Epichlorohydrin
Acrylamide	Ethylbenzene
Alachlor	Glyphosate
Aldicarb	Heptachlor
Aldicarb sulfone	Heptachlor epoxide
Aldicarb sulfoxide	Hexachlorobenzene
Atrazine	Hexachlorocyclopentadiene
Benzene	Lindane
Carbofuran	Methoxychlor
Carbon tetrachloride	Monochlorobenzene
Chlordane	Oxamyl (vydate)
Cyanide	PAHs[Benzo(a)pyrene]
DBCP	PCBs
Dalapon	Pentachlorophenol
Di(ethylhexyl)adipate	Picloram
Di(ethylhexyl)phthalate	Simazine
Dichlorobenzene ortho-	Styrene
Dichlorobenzene para-	TCDD-2,3,7,8 (Dioxin)
Dichloroethane 1,2-	Tetrachloroethylene
Dichloroethylene 1,1-	Toluene
Dichloroethylene cis-	Toxaphene
1,2-	Trichlorobenzene 1,2,4-
Dichloroethylene tran-	Trichloroethane 1,1,1-
1,2	Trichloroethane 1,1,2-
Dichloromethane	Trichloroethylene
Dichloropropane 1,2-	Vinyl chloride
Dinoseb	Xylene
Diquat	
EDB	
Endothall	

- contamination identified in Table 1 will receive 3 points.
- (3) No surface water system may receive more than 6 system vulnerability points. Surface water systems that receive no system vulnerability points will not be considered for source water protection funding.
- c. No combination ground and surface water system may receive more than 6 system vulnerability points.
- d. Ability to Implement Best Management Practices Factor
- (1) Systems that receive system vulnerability points and that possess the ability and authority to implement land use controls including but not limited to zoning or ordinances, will receive 2 points.
  - (2) Systems that receive system vulnerability points and that possess the ability to implement other non-land use controls such as public education, contingency planning, or conducting toxic/hazardous waste collection events will receive 1 point.
  - (3) Systems that receive system vulnerability points and that propose to plug abandoned wells within the delineated source water protection area will receive 1 point.
  - (4) Systems that receive system vulnerability points and that have confirmed siting or well construction problems listed on the most recent TCEQ sanitary survey will receive 1 point for proposals which will correct these problems.
  - (5) Systems that receive no Ability to Implement Best Management Practices points will not be considered for source water protection funding.
- e. The total points for Groundwater or Surface Water System Vulnerability and the Ability to Implement Best Management Practices will be summed and multiplied by 10 before adding Affordability Factor points.
- f. Disadvantaged Community Eligibility Factor – Ten points awarded to any entity that qualifies as a disadvantaged community (see Appendix D for eligibility criteria)
- g. The total source water protection rating score will be the sum of points generated from ground and surface water system vulnerability, ability to implement Best Management Practices and affordability factors.

## **Appendix D. Affordability Criteria to Determine Disadvantaged Community Eligibility**

A disadvantaged community is a community that meets the DWSRF's affordability criteria based on income, unemployment rates, and population trends. For the initial allocation round, the determination will be based on information received by the applicable PIF deadline. An eligible disadvantaged community consists of all of the following:

1. The service area of an eligible applicant, the service area of a community that is located outside the entity's service area, or a portion within the entity's service area if the proposed project is providing new service to existing residents in unserved areas; and
2. meets the following affordability criteria:
  - (a) Has an Annual Median Household Income (AMHI) that is no more than 75 percent of the state median household income using an acceptable source of socioeconomic data, and
  - (b) the Household Cost Factor (HCF) that considers income, unemployment rates, and population trends must be greater than or equal to 1 percent if only water or sewer service is provided or greater than or equal to 2 percent if both water and sewer service are provided.

### **Acceptable Source of Socioeconomic Data for SFY 2022**

For SFY 2022, the TWDB will utilize:

- (1) U.S. Census 2015-2019 American Community Survey (ACS) 5-year estimates, along with the 2011-2015 ACS 5-year estimates for determining whether there was a decline in population, or
- (2) Data from a survey approved by the Executive Administrator of a statistically acceptable sampling of customers in the service area completed in accordance with the most current Socioeconomic Surveys Guidelines (WRD-285) posted on the TWDB website. Any survey being used for income determination must be conducted within five years of the date the TWDB receives the PIF. An entity must submit documentation that substantiates the inadequate or absent Census data that led to the need to conduct a survey. All entities must obtain prior approval to use survey data instead of the most recently available American Community Survey data.

### **Affordability Calculation and Disadvantaged Community Eligibility**

#### **Step 1. Comparison to State annual median household income.**

The AMHI for the project service area (either entire or portion) must be 75 percent or less than the state's AMHI using an acceptable source of socioeconomic data for SFY 2022.

#### **Step 2. Determining the Household Cost Factor**

The total HCF is comprised of a household cost factor based on the AMHI, plus an additional household cost factor based on unemployment rates (if the unemployment rate for the service area is greater than the state average) plus an additional household cost factor based on

population decline (if there has been a decline in the population of the service area over a period of time). The HCF used in the affordability criteria takes into consideration the potential burden that the cost of a proposed project will place on a household. The entity's total HCF, which consists of the Income HCF (the percentage of annual household income that goes toward water, sewer, fees/surcharges, and project financing costs) combined with the Unemployment Rate HCF (not to exceed 0.75 percent) and the Population Decline HCF (not to exceed 0.5 percent), must be:

- 1.0 percent or greater if the entity currently offers either water or sewer service, or
- 2.0 percent or greater if the entity currently offers both water and sewer service.

The 1.0 and 2.0 percentage levels are known as the “base” levels in determining the maximum allocation amount.

The Unemployment Rate HCF and Population Decline HCF can only increase the total HCF, not decrease it.

### **Step 3. Principal Forgiveness Eligibility and Levels**

The eligible level of principal forgiveness for a project is based on the difference between the calculated total HCF under Step 2 and the minimum HCF of 1 percent (if only water or sewer service is provided) and 2 percent (if both water and sewer services are provided) as shown in the chart below:

<b>Household Cost Factor Difference</b>	<b>Principal Forgiveness as a % of DWSRF-funded project costs remaining after subtracting other DWSRF principal forgiveness</b>
≥ 0% and < 1.5%	30%
≥ 1.5% and < 3%	50%
≥ 3%	70%

Individual projects will be reviewed for disadvantaged community eligibility as stand-alone projects. However, if an entity submits an application covering multiple PIFs or multiple applications for multiple PIFs within the SFY prior to any receiving a funding commitment, the disadvantaged community eligibility may be re-evaluated based on the combined costs of all the projects.

In instances where the ACS data does not adequately reflect an entity's service area (e.g. an entity serves a community outside of its Certificate of Convenience and Necessity, an entity serves another system, the entity is a system without a Census Bureau defined boundary, etc.), a prorated analysis of ACS block group data will be performed to calculate the AMHI. An example of this method follows:

County	Census Tract	Block Group	From Entity	Calculation	ACS 2015-2019	Calculation	ACS 2015-2019	Calculation	Calculation
			Total Number of Household Connections	% of TTL Connections	AMHI	Prorated AMHI	Average HH Size	Prorated Average HH Size	Entity's Population Served
Jefferson	69	1	848	62.26%	\$33,807	\$21,049	2.39	1.49	2,063
Jefferson	69	2	309	22.69%	\$43,304	\$9,824	2.64	0.60	752
Jefferson	69	3	205	15.05%	\$43,889	\$6,606	2.30	0.35	499
			1,362	100.00%		\$37,479		2.43	3,314

County	Census Tract	Block Group	ACS 2015-2019	Calculation	ACS 2015-2019	ACS 2011-2015	Calculation
			Unemployment Rate	Prorated Unemployment Rate	Population 2018	Population 2014	Prorated Pop. Change
Jefferson	69	1	5.13%	3.19%	1,765	1,821	-35
Jefferson	69	2	8.75%	1.99%	928	888	9
Jefferson	69	3	13.73%	2.07%	401	499	-15
				7.25%	3,094	3,208	-41

For entities that serve retail customers with differing rate structures, prorated rates are used, in some instances, to calculate each entity's household cost factor in SFY 2022. The following tables are an example of the method used. The TWDB will require use of prorated rates to determine an entity's water and/or sewer bills when applicable.

Prorated Average Monthly Water Bill												
	A Number of Household Connections (HH)	B Percentage of Total HH	C Average Monthly Water Flow	D Average Household Size	E Average Mo. Water Flow / HH (CxD)	F First Tier	G Initial Rate	H Additional Use	I Additional Rate	J Other Changes	K Average Mo. Water Bill (((E-F)/H)xI)+G	L Prorated Mo. Water Bill (BxK)
Entity A	1,823	33.95%	2,325	2.56	5,952	2,000	\$ 14.45	1,000	\$ 6.70	\$ 2.00	\$ 42.93	\$ 14.58
Entity B	1,135	21.14%	2,325	2.47	5,743	3,000	\$ 23.41	100	\$ 0.57	\$ -	\$ 39.04	\$ 8.25
Entity C	1,836	34.20%	2,325	2.78	6,464	3,000	\$ 29.85	1,000	\$ 6.81	\$ -	\$ 53.44	\$ 18.27
Entity D	575	10.71%	2,325	2.53	5,882	1,500	\$ 16.00	1,000	\$ 4.00	\$ -	\$ 33.53	\$ 3.59
Totals	5,369	100.00%							Average Monthly Water Bill		\$ 44.69	

Prorated Average Monthly Sewer Bill												
	A Number of Household Connections (HH)	B Percentage of Total HH	C Average Monthly Water Flow	D Average Household Size	E Average Mo. Water Flow / HH (CxD)	F First Tier	G Initial Rate	H Additional Use	I Additional Rate	J Other Changes	K Average Mo. Water Bill (((E-F)/H)xI)+G	L Prorated Mo. Water Bill (BxK)
Entity A	1,823	33.95%	1,279	2.56	3,274	3,000	\$ 10.95	1,000	\$ 2.25	\$ 2.00	\$ 13.57	\$ 4.61
Entity B	1,135	21.14%	1,279	2.47	3,159	3,000	\$ 17.00	100	\$ 0.83	\$ -	\$ 18.32	\$ 3.87
Entity C	1,836	34.20%	1,279	2.78	3,556	-	\$ 20.79	1	\$ -	\$ -	\$ 20.79	\$ 7.11
Entity D	575	10.71%	1,279	2.53	3,236	1,500	\$ 10.00	1,000	\$ 2.00	\$ -	\$ 13.47	\$ 1.44
Totals	5,369	100.00%							Average Monthly Sewer Bill		\$ 17.03	

If an entity is requesting disadvantaged community status for a portion of its service area, the combined household cost factor is calculated in the same manner as described above with the

exception that the annual project financing cost per customer is calculated using the total household service connections in the full service area (not the portion).

If taxes, surcharges, or other fees are used to subsidize the water and/or sewer system, the average annual amount per household may be included in calculating the household cost factor or the combined household cost factor.

Systems owned and operated by a public school or school district will be evaluated for their annual median household income for their school district boundary. Since school districts typically do not have individual user costs, a household cost factor calculation cannot be performed. Therefore, districts with an AMHI less than or equal to 75 percent of the state's AMHI will automatically receive Disadvantaged Community status with the lowest available level of principal forgiveness.

If recent reliable data is unavailable for the school district to determine the AMHI, the TWDB will use information from the Texas Education Agency's Title I, Part A program to determine income eligibility. If more than 50 percent of the school districts campuses are eligible for the program, the district's AMHI will be assumed to be less than or equal to 75 percent of the State's AMHI.

## **Appendix E. Federal Requirements and Assurances**

### **A. Federal Requirements**

#### **1. Davis-Bacon Wage Rate Requirements**

A subrecipient must comply with the requirements of section 1452(a)(5) of the Safe Drinking Water Act (42 U.S.C. 300j-12(a)(5)) in all procurement contracts and must require contractors to include compliance with section 1452(a)(5) of the Safe Drinking Water Act in all subcontracts and other lower tiered transactions. All contracts and subcontracts for the construction project must contain in full in any contract in excess of \$2,000 the wage rate requirements contract clauses prescribed by TWDB. Section 1452(a)(5) requires compliance with 40 U.S. Code Sections 3141 to 3144, 3146, and 3147 covering wage rate requirements. TWDB guidance is available at <http://www.twdb.texas.gov/financial/instructions/doc/DB-0156.pdf>.

#### **2. American Iron and Steel (AIS)**

The TWDB and all DWSRF financial assistance recipients will comply with the American Iron and Steel (AIS) requirement in applicable federal law, including federal appropriation acts. Federal law requires DWSRF assistance recipients to use iron and steel products that are produced in the United States for projects for the construction, alteration, maintenance, or repair of a public water system or treatment works.

The term “iron and steel products” means the following products made primarily of iron or steel:

- lined or unlined pipes and fittings
- manhole covers and other municipal castings
- hydrants
- tanks
- flanges, pipe clamps and restraints
- valves
- structural steel
- reinforced precast concrete
- construction materials

EPA may waive the AIS requirement under certain circumstances.

Furthermore, if the original financial assistance agreement for the planning and/or design of a project closed prior to January 17, 2014, then the AIS provision would not apply to the construction phase of the same project. TWDB guidance is available at <http://www.twdb.texas.gov/financial/instructions/doc/TWDB-1106.pdf>.

#### **3. Environmental Reviews**

Environmental review requirements are specified in Texas Administrative Code, Title 31, Part 10, Chapter 371.



#### **4. Generally Accepted Accounting Principles**

Assistance recipients must maintain project accounts according to Generally Accepted Accounting Principles as issued by the Governmental Accounting Standards Board, including standards relating to the reporting of infrastructure assets.

#### **5. Compliance with Cross-cutting Authorities**

There are a number of federal laws, executive orders, and federal policies that apply to projects and activities receiving federal financial assistance, regardless of whether the federal laws authorizing the assistance make them applicable. These federal authorities are referred to as cross-cutting authorities or cross-cutters. All cross-cutters apply to Equivalency projects and only federal anti-discrimination laws, also known as the super cross-cutters, apply to Non-Equivalency projects.

The cross-cutters can be divided into three groups: environmental; social policies; and, economic and miscellaneous authorities.

- Environmental cross-cutters include federal laws and executive orders that relate to preservation of historical and archaeological sites, endangered species, wetlands, agricultural land, etc. This cross-cutter requirement includes a National Environmental Policy Act (NEPA) compliant environmental review. When conducting the NEPA-like review the TWDB will inform EPA when consultation or coordination by EPA with other federal agencies is necessary to resolve issues regarding compliance with applicable federal authorities.
- Social policy cross-cutters include requirements such as minority and women's business enterprise participation goals, equal opportunity employment goals, and nondiscrimination laws. This cross-cutter requirement includes compliance with the EPA's Disadvantaged Business Enterprise program administered by TWDB.
- Economic cross-cutters directly regulate the expenditure of federal funds such as the prohibition against entering into contracts with debarred or suspended firms.

The Equivalency projects that are considered federal are those entered into the Federal Funding Accountability and Transparency Act Subaward Reporting System.

#### **6. Financial, Managerial, and Technical (FMT) Capacity**

Prior to receiving or closing a commitment, the TCEQ will conduct a review of each applicant's FMT capacity. All applicants must receive FMT approval before closing on financial assistance funding.

#### **7. Additional Subsidization**

In accordance with the Consolidated Appropriations Act, 2021 (Public Law 116-260), and 42 U.S.C. 300j-12(d)(2) the TWDB is required to provide 20 percent of the capitalization grant of \$86,202,000, or \$17,240,400, in Additional Subsidization. In addition, of the \$813,000 of reallocated funds from FFY 2019, the TWDB will provide additional subsidization of \$211,380

and another \$235,770 of additional subsidization may be used for a total of \$447,150. The TWDB has allocated Additional Subsidization for SFY 2022 as follows:

<b>Funding Option</b>	<b>Additional Subsidy Allocation</b>
Disadvantaged Community	\$16,000,000
Disadvantaged Community-Small/Rural only	\$2,000,000
Subsidized Green (incl. Water Conservation)	\$2,000,000
Very Small Systems	\$2,000,000
Very Small Systems - "Securing Safe Water" Initiative	\$1,000,000
Emergency Preparedness – Severe Weather	\$3,000,000
Urgent Need - "Securing Safe Water" Initiative/Contaminants	\$2,000,000
Urgent Need – Other (Disaster Recovery, etc.)	\$2,000,000
<b>Total</b>	<b>\$30,000,000</b>

Of the total Additional Subsidization being made available for SFY 2022, an amount equal to \$12,068,280 may only be used where such funds would be for initial financing for an eligible recipient or to buy, refinance, or restructure the debt obligations of eligible recipients where such debt was incurred on or after December 27, 2020. A total of \$162,600 of FFY 2019 additional subsidization may only be used where such funds would be for initial financing for an eligible recipient or to buy, refinance, or restructure the debt obligations of eligible recipients where such debt was incurred on or after February 15, 2019. The TWDB may increase the allocations to provide the full eligible amount to a project. The TWDB may allocate up to the maximum of \$42,686,130 as principal forgiveness in accordance with the SDWA and the FFY 2019 and FFY 2021 capitalization grant appropriations as applicable. TWDB may consider projects receiving principal forgiveness under the Urgent Need, Emergency Preparedness, Very Small Systems, and Green that qualify as Disadvantaged Communities as part of the additional subsidization authorized for Disadvantaged Communities under the SDWA.

## 8. Green Project Reserve

The capitalization grant for FFY 2021 states that at the discretion of each State, the capitalization grant may be used for projects to address green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. The TWDB is establishing a goal to allocate an equivalent of 10 percent of the capitalization grant to approved green project costs. The discretionary allocation is known as the Green Project Reserve (GPR).

To encourage green infrastructure projects, a portion of the additional subsidy will be made available for projects that include green infrastructure. In order to be eligible to receive green subsidy, projects must have approved green project elements with costs that exceed 30 percent of the total project costs.

Green components include green infrastructure, water or energy efficiency improvements, or other environmentally innovative activities. Eligibility for all green projects will be determined by the TWDB.

Appendix L, "Initial Invited Green Projects", lists invited green projects with project descriptions that detail the green category associated with the project and how much of the project's total cost is applicable to the GPR.

TWDB information on green project eligibility may be found online at <http://www.twdb.texas.gov/financial/instructions/doc/TWDB-0163.pdf>.

## **9. Competency Statements**

The following competency statements are provided to satisfy the EPA's policy entitled "Policy to Assure Competency of Organizations Generating Environmental Measurement Data under Agency Funded Assistance Agreements."

### **A. TWDB Competency Statement**

TWDB ascertains that competency can be demonstrated by the following:

1. The "TWDB Quality Management Plan," was approved by EPA Region 6 on September 17, 2020. The plan demonstrates competency by providing a description of the quality policies including all requirements described in EPA QA/R-2.

### **B. TCEQ Competency Statement**

TCEQ ascertains that competency can be demonstrated by the following:

1. EPA approval of the "Quality Assurance Project Plan for the Public Water Supply Supervision Program Relating to the Safe Drinking Water Act of the Texas Commission on Environmental Quality", Revision 13 (QTRAK #20-054), approved by EPA on November 4, 2019, which is approved through November 4, 2022
2. The "TCEQ Quality Management Plan, Revision 26 (2021)" (QTRAK# 21-088) approved on December 18, 2020 by EPA Region 6 which demonstrates competency by providing a description of the quality policies including all requirements described in EPA QA/R-2.

## **10. Compliance with Capacity Development Authority, Capacity Development Strategy and Operator Certification Program**

- A. Capacity development authority. The State of Texas, through the TCEQ, has the legal authority to ensure that all new community water systems, and new nontransient, noncommunity water systems that commence operations have demonstrated FMT capacity with respect to national primary drinking water regulations. If DWSRF financial assistance is being provided to the new system, TCEQ conducts and provides to TWDB the results of its FMT assessment prior to closing on the financial assistance.
- B. Capacity development strategy. The State of Texas, through the use of DWSRF set-asides provided to TCEQ, implements a strategy to assist public water systems in

acquiring and maintaining financial, managerial, and technical capacity. The TWDB has set aside funds from the FFY 2021 grant and set aside funds from the FFY 2019 reallocation funds for TCEQ to implement a capacity development strategy. TCEQ will use funds from the State Program Management, Small Systems Technical Assistance, and Local Assistance and Other State Programs set-asides to conduct the capacity development activities. The TCEQ demonstrates compliance with the Capacity Development Strategy requirement of the SDWA by annually submitting the Capacity Development Report to EPA. The most recent report was provided to EPA on November 13, 2020. The TCEQ submitted the TCEQ Triennial Progress Report to the Governor on the Public Water Supply Capacity Development Program on September 30, 2020 as required by SDWA Section 1420(c)(3).

- C. Operator certification program. The State of Texas, through the TCEQ, has a program for certifying operators of community and nontransient, noncommunity public water systems. The TCEQ demonstrates compliance with the Operator Certification Program Provisions by annually submitting an Operator Certifications Program Report to EPA. The most recent report was provided to EPA on September 10, 2020.

## **11. Signage**

DWSRF projects must comply with the EPA signage requirements implemented to enhance public awareness of the program. The entity may select from the following options to meet EPA's signage requirement:

- Standard signage
- Posters or wall signage in a public building or location
- Newspaper or periodical advertisement for project construction, groundbreaking ceremony, or operation of the new or improved facility
- Online signage placed on community website or social media outlet
- Press release

According to EPA's policy, to increase public awareness of projects serving communities where English is not the predominant language, entities are encouraged to translate the language used (excluding the EPA logo or seal) into the appropriate non-English language. TWDB guidance is available at <http://www.twdb.texas.gov/financial/instructions/doc/TWDB-1109.pdf>.

## **12. Reserves Established from Available Funds**

The following reserved amounts may be applied to the funding options.

Funding Reserves	
Reserve	Amount
Green Projects (10% of capitalization grant)	\$8,620,200
Small Communities (15% of available funds)	\$22,500,000
Extended Terms (75% of available funds)	\$112,500,000
Urgent Need / Emergency Preparedness Disadvantaged/ Small/Rural (50% of principal forgiveness and 20% of loans with an interest rate of zero percent)	\$3,500,000 (principal forgiveness) and \$800,000 (0% loans)

### 13. Transfers – Amount Available

Calculation of amounts available to transfer between the DWSRF and CWSRF based on FFY 2008 through FFY 2021:

Federal Fiscal Year	Grant Award Number	Grant Amount	33% of Grant
FFY 2008	FS-99679512	\$67,112,000	\$22,146,960
FFY 2009	FS-99679513	\$67,112,000	\$22,146,960
FFY 2010	FS-99679514	\$86,254,000	\$28,463,820
FFY 2011	FS-99679515	\$59,854,000	\$19,751,820
FFY 2012	FS-99679516	\$57,041,000	\$18,823,530
FFY 2013	FS-99679517	\$53,517,000	\$17,660,610
FFY 2014	FS-99679518	\$63,953,000	\$21,104,490
FFY 2015	FS-99679519	\$63,532,000	\$20,965,560
FFY 2016	FS-99679520	\$60,104,000	\$19,834,320
FFY 2017	FS-99679521	\$59,590,000	\$19,664,700
FFY 2018	FS-99679522	\$87,040,000	\$28,723,200
FFY 2019	FS-99679523	\$86,225,000	\$28,454,250
FFY 2020	FS-99679524	\$86,280,000	\$28,472,400
FFY 2021	FS-99679525	\$87,015,000	\$28,714,950
TOTAL		\$984,084,290	\$324,927,570
Less grant amount already transferred to CWSRF			\$100,000,000
DWSRF - Available from FFY 2008 to FFY 2021 grants plus reallocated FFY 2019 grant funds in FS-99679525			<b>\$224,927,570</b>
Ongoing cash flow transfer			\$200,000,000
Remaining Transfer Authority			<b>\$24,927,570</b>

### B. Assurances

#### Entry into the Federal Reporting Systems

The TWDB will enter information into EPA's DWSRF Reporting System, the DWSRF National Information Management System, and the Federal Funding Accountability and Transparency Act Sub-Award Reporting System as required.

## **Appendix F. Bypass Procedures**

The Executive Administrator may decide to bypass, or skip, higher ranked projects in favor of lower ranked projects to ensure that funds available are utilized in a timely manner and that statutory and capitalization grant requirements are met. If an entity is offered funding for any project that has an interrelated project ranked lower on the list, the TWDB Executive Administrator will have discretion to also offer funding for the interrelated project.

Reasons for bypassing projects are listed below, but are not limited to:

### **1. Fulfill the Minimum Additional Subsidization Requirement**

A project on the PPL or IIPL may be bypassed to fulfill the federal minimum additional subsidization requirement.

### **2. Intent to Apply and Application Submission Deadlines**

A project may be bypassed if the applicant did not submit any intent to apply form or information by a specified deadline or the application is not received by the TWDB-established submission deadline and it is not administratively complete by the established deadline.

### **3. Projects Previously Funded**

To fund the construction phase of a project that previously received funding for planning, acquisition and/or design.

### **4. Disadvantaged Community/Disadvantaged Community-Small / Rural only**

In the event that there are not enough projects with completed applications eligible to receive Disadvantaged Community funding, the Executive Administrator may bypass other projects to invite additional projects that are eligible for additional subsidization.

### **5. Green Project Reserve**

In the event that there are not enough projects with completed applications eligible to meet the Green Project Reserve goal, the Executive Administrator may bypass other projects to invite additional projects that are eligible for review of their green components and possible funding.

### **6. Very Small Systems**

In the event that there are not enough projects with completed applications eligible to receive Very Small Systems funding, the Executive Administrator may bypass other projects to invite additional projects that are eligible for Additional Subsidization.

## **7. Urgent Need**

The Executive Administrator may bypass projects to provide Urgent Need funding to replace or rehabilitate essential public water facilities that pose an imminent peril to the public health, safety, environment, or welfare with a threat of failure in response to an urgent condition. Projects will be rated by the TCEQ and added to the PPL as an Urgent Need project.

## **8. Small Communities**

A minimum of 15 percent of the capitalization grant will be made available to systems serving populations not more than 10,000. In the event that small community projects with completed applications do not equal 15 percent of the capitalization grant, the Executive Administrator may bypass other projects to include additional small community projects.

## **9. Readiness to Proceed**

The Executive Administrator may bypass projects to include those deemed ready to proceed to construction.

## **10. Past Project Performance**

If the applicant has failed to close a commitment or complete a project in a timely manner under a prior IUP, and it is determined that such failure to perform could jeopardize the timely use of funds for a project under this IUP, the Executive Administrator may bypass the project.

## **11. Financial Capacity**

A project may be bypassed if the Executive Administrator determines that the applicant will be unable to repay the SRF financial assistance for the project.

**Texas Water Development Board**  
**SFY 2022 Drinking Water State Revolving Fund**  
**Intended Use Plan**  
**Appendix G. Project Priority List - Alphabetical**

Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Requested Phase(s)	Total Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>													
99	13	14100	Abilene	M	TX2210001	121,994	This project involves the replacement of existing water lines, the installation of new water lines, the construction and/or rehabilitation of pump stations, and storage tanks.	PADC	\$89,500,000.00				13437
60	21	14129	Agua SUD	D	TX1080022	69,095	The Agua SUD is requesting funding from the Texas Water Development Board in order to Rehabilitate the FM 492 Water Treatment Plant Rapid Mix.	C	\$182,500.00	50%	Yes-BC	\$25,000.00	
125	10	14131	Agua SUD	D	TX1080022	69,095	The Agua SUD is requesting funding from the Texas Water Development Board in order to replace deteriorating infrastructure and improve efficiency to the Abram Water Treatment Plant Recovery and Waste Process.	PDC	\$1,087,682.00	50%	Yes-BC	\$330,000.00	
31	43	14133	Alamo	M	TX1080001	20,178	Water Treatment Plant Rehabilitation & Expansion	PDC	\$7,500,000.00	30%			
52	23	14064	Albany	M	TX2090001	2,034	The proposed project includes improvements at the Water Treatment Plant to address aging infrastructure including replacement of existing membrane system trains, chemical system improvements, high service pump station improvements, electrical, SCADA, and Instrumentation and controls improvements.	PDC	\$3,034,000.00	30%	Yes-BC	\$400,000.00	
89	13	14033	Alto	M	TX0370001	1,280	Remove and replace existing aged and deteriorated waterlines within the distribution system as well as rehabilitate existing deteriorated Ground Storage Tanks and Elevated Storage Tank.	PDC	\$1,872,000.00	50%			
3	195	14024	Angelina & Neches RA	D	TX0030030	1,043	The proposed project involves the design and construction of a regional water system to serve first time water customers, to consolidate and supply drinking water to several Public Water Systems (PWSs) east of the City of Zavalla along Highway 147 in southern Angelina County and the City of Zavalla. These PWS's primary source of drinking water supply is groundwater, which has historically had water quality and quantity issues. The proposed regional water system will decommission each of the PWS's water production facilities and supply drinking water for existing customers and projected residential and commercial growth.	PADC	\$23,895,045.00	50%			
21	58	14018	Anthony	M	TX0710001	3,500	The Town of Anthony will need to construct a 250,000 gallon elevated water tank, rehabilitate existing water wells, replace booster stations, address leaking water lines, install a chlorination control system, replace meters and build arsenic treatment plant in order to provide enough adequate water to the residents.	ADC	\$9,520,963.00	50%			13494



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<b>Public Water System</b>													
23	52	14165	Arimak WSC	W	TX1330135	108	The Arimak Water Supply Corporation (WSC) is the recipient of an Administrative Order from the United States Environmental Protection Agency (EPA) for non-compliance of the Safe Drinking Water Act (SDWA) as it pertains to radionuclides levels in drinking water. The WSC is addressing this matter through the implementation of a groundwater treatment project. Also, the ground storage tanks (GSTs) have reached the end of their useful life and are in need of replacement. The project will include development of an asset management plan.	PDC	\$1,314,000.00				
40	30	14093	Athens	M	TX1070005	12,777	Installation of back-up generator for the Lake Athens Water Treatment Plant	C	\$557,390.00	30%			
69	20	14007	Athens	M	TX1070005	12,777	S19 waterline replacement from College Street to Ben Belt Drive and Edmonson waterline improvements from N Prairie Street to Cream Level Road.	PDC	\$1,329,972.00	30%			13485
108	11	14148	Athens	M	TX1070005	12,777	The City of Athens needs to implement an asset management plan. Also included in this project is the design and installation of a SCADA system for the City's utility system.	PDC	\$828,000.00	30%		\$578,000.00	
92	13	14068	Balmorhea	M	TX1950002	610	Installation of control and remote monitoring equipment in key locations along the drinking water transmission and distribution lines.	PDC	\$300,000.00				
6	150	14154	Barksdale WSC	W	TX0690011	210	New Well Exploration to find an aquifer	PADC	\$660,000.00	50%			
47	23	14001	Baytown	M	TX1010003	76,635	Replace of 16-inch asbestos-cement water line, which is experiencing high failure rate.	C	\$3,072,300.00				
90	13	14137	Baytown	M	TX1010003	76,635	Replacement of 16-inch asbestors-cement water line	C	\$6,721,000.00				
85	14	14108	Becker-Jiba WSC	W	TX1290011	3,547	300,000 gallon Single Pedestal Elevated Water Storage Tank for extra storage and waterline extension.	PDC	\$2,567,000.00				
29	44	14114	Bistone Municipal WSD	D	TX1470006	23,555	Bistone's transmission lines to its various wholesale customers is aged and has issues with leaks. The project will replace the portion of the transmission system known as the 1967 14" steel cylinder concrete pipe. Bistone has also been advised by TCEQ that a pressure sustaining tank (pressure tank or elevated tank) is needed for the periods when the Surface Water and Groundwater Treatment Plants are providing water. Blending is isolated from the two sources when the Surface Plant operates but this requires pumps to provide needed pressure. The elevated tank will resolve this issue and comply with the TCEQ Blending Exception.	PDC	\$12,121,000.00				

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<b>Public Water System</b>													
140	3	14096	Bluegrove WSC	W	TX0390014	70	This project involves the construction of a new pump station and the replacement of water distribution line to help with water loss.	PDC	\$300,000.00				13415
135	4	14040	Blum	M	TX1090007	434	The purpose of this project is to replace/upsized undersized water mains and replace non-working isolation valves.	PDC	\$300,000.00				
36	32	14046	Breckenridge	M	TX2150001	5,800	The City desires to install improvements/upgrades at the WTP and raw water intake structure. In addition, the City is planning to rehabilitate various portions of the distribution system in order to reduce the number of water line leaks/breaks that have resulted in numerous boil water notices.	PDC	\$4,743,000.00	30%	Yes-BC	\$2,922,000.00	13438
148	3	14029	Brenham	M	TX2390001	17,123	The proposed project includes testing of an existing well that is currently not being used to see if it is able to be reinstated. It also includes analyzing the addition of up to four well sites to have as an emergency groundwater supply.	P	\$287,100.00				
73	19	14119	Bridge City	M	TX1810001	7,961	This project will provide for the construction of a new water well located on Roberts Avenue and also provide for the relocation of an existing 65,000 gallon ground storage tank.	PDC	\$7,136,905.00				
87	13	13999	Carl's Corner	M	TX1090070	199	The city's water well only produces 10 gallon per minute to serve 76 connections. This amount is woefully short of the TCEQ requirement of 0.6 gpm per connection. The city desires to increase its water supply by constructing a new water well, or if necessary to obtain other adequate water supply or emergency interconnection.	DC	\$1,016,900.00				
16	67	14060	Carthage	M	TX1830001	16,251	The City of Carthage's water treatment plant contains aged equipment performing critical treatment methods within the plant's treatment process. Age of equipment has become noticeable as the performance of equipment has decreased from it's intended purpose. The City of Carthage's elevated storage tanks are in need of rehabilitation as inspection reports have revealed significant corrosion and compromised the structural integrity of parts of the elevated storage tanks.	DC	\$6,000,000.00				
93	13	14039	Colorado Co WCID # 2	D	TX0450014	615	100,000 gallon elevated storage tank, new chlorination facilities, and upgraded well pumps and controls.	C	\$1,150,000.00	30%			
79	15	14004	Covington	M	TX1090021	570	The purpose of this project is to replace/upsized undersized water mains to improve water flow/pressure. Covington is experiencing between 25-35% water loss in any given month.	PDC	\$300,000.00				
157	1	14031	Crescent Heights WSC	W	TX1070016	1,935	A new public water supply well and elevated storage tank	PADC	\$2,705,000.00				13414

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<b>Public Water System</b>													
55	23	14144	Crockett	M	TX1130001	6,616	Rehabilitation of existing water lines along SH7 and SH21 between the downtown area and the east loop. Existing lines are failing due to age causing numerous leaks. Leaking water lines contribute to overall water loss and pavement repairs to TxDOT maintained roadways.	PDC	\$4,365,300.00	30%			13490
117	10	14102	Cross Plains	M	TX0300003	1,035	The City of Cross Plains proposes to replace undersized lines and loop dead end areas in their system.	PDC	\$1,200,000.00	30%			13464
37	31	14020	Daingerfield	M	TX1720001	4,047	Install a new elevated storage tank chemical dosing, and pressure maintenance facility. Upgrade linework and valves.	PDC	\$3,351,000.00	30%			13399
27	45	14153	Daisetta	M	TX1460004	938	Water Well	PADC	\$2,157,380.90	30%			
43	24	14037	Dawson	M	TX1750003	767	The purpose of this project is to replace/upsized undersized water mains that are causing issues within the system. Replacement of ex. valves and installation of new valves are also needed throughout for better operation and maintenance of the overall system.	PDC	\$300,000.00	50%			
38	30	13996	De Kalb	M	TX0190001	1,593	Groundwater Supply and Water Distribution Improvements	PADC	\$7,174,000.00	50%	Yes-BC	\$4,720,000.00	
107	11	14021	Dean WSC	W	TX2120009	5,847	Construction of a new elevated storage tank at an existing pump station.	PDC	\$2,858,500.00				
74	18	14012	Denton	M	TX0610002	131,712	Ray Roberts Water Treatment Plant Rerate, Performance, and Regulatory Improvements and Regulatory Improvements project provides for improvements to improve the operational performance, process reliability, and redundancy for the facilities.	C	\$27,176,000.00				
152	2	14157	Dish	M		426	Investigate the feasibility of establishing a PWS and acquiring a/dual certified CCN area.	P	\$400,000.00				
75	17	14027	Dog Ridge WSC	W	TX0140044	776	Upsize existing water mains in the Sherwood Shores area.	PADC	\$1,313,000.00	30%	Yes-BC	\$120,000.00	13405
83	14	14028	Dog Ridge WSC	W	TX0140044	4,830	Installation of SCADA system, meter replacement, and mapping software with a GPS system. The WSC also plans to rehabilitate two elevated water storage tanks.	PDC	\$3,483,000.00	30%	Yes-BC	\$320,000.00	13404
34	35	14161	Donna	M	TX1080002	15,798	The proposed project consists of a 12" waterline to serve as an interconnect connected from the City of Weslaco's water tower to the City of Donna's pipeline.	PADC	\$1,463,738.42	30%			13849
106	11	14030	East Texas MUD of Smith County	D	TX2120005	2,661	Water Planning and System Improvements	PDC	\$2,697,225.00				13436

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<b>Public Water System</b>													
56	23	14074	Eastland Co WSD	D	TX0670019	10,100	Re-clear the pipeline ROW and replace the existing raw water transmission pipeline with a new fusion-welded, high-density polyethylene (HDPE) pipeline.	PDC	\$4,303,000.00	50%	Yes-BC	\$4,303,000.00	
84	14	14049	Eden	M	TX0480001	2,766	The City desires to install improvements at the water supply well sites and to install a redundant cooling tower for operational flexibility.	PDC	\$2,340,000.00	50%			13439
58	22	14065	El Paso Co WCID # 4	D	TX0710018	5,736	The existing water distribution system piping on Elam Subdivision has ruptured several times in the past and is prone to leaks. The system also has physical deficiencies such as non-functional valves and a lack of additional isolation valves and curb stops. Under this project, the Fabens Water District (EPCWCID #4) proposes to abandon the existing distribution system in place and furnish and install approximately 6,100 LF of new 6-inch PVC C900 piping, including all related appurtenances and 2,000 LF of 6-inch PVC C900 pipe for the loop system adjacent to railroad tracks including all related work and appurtenances.	PDC	\$1,996,669.00	50%	Yes-BC	\$1,996,669.00	
59	22	14070	El Paso Co WCID # 4	D	TX0710018	5,736	Per TCEQ requirements, the minimum pressure throughout a system during a transient event (power outage) must be greater than 20 psi. A surge evaluation of the existing I-10 booster station indicated that the system's pressure dropped below the minimum TCEQ required pressure of 20 psi during a power failure event. Per TCEQ requirements, the El Paso County Water Improvements District #4 (EPCWCID #4) requires an elevated storage capacity of 100 gallons per connection or a pressure tank capacity of 20 gallons per connection to meet this requirement. Under this project, the EPCWCID #4 proposes installing a new 120-gallon bladder tank to meet the pressure requirements in the event of a power failure event specified by TCEQ.	PDC	\$174,896.00	50%			

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<b>Public Water System</b>													
76	17	14066	El Paso Co WCID # 4	D	TX0710018	5,736	The existing Cypress Well has been drilled but is currently not equipped. When in service, the Cypress Well will have a 900 GPM capacity. Under this project, the Fabens Water District (EPCWCID #4) proposes to fully equip Cypress Well #6, including furnishing and installing a new well pump and motor, a Well building and canopy, discharge piping, valves, flow meter, electrical and instrumentation systems, generator with ATS, site grading, and a new access roadway and driveway.	PC	\$780,829.00	50%			
100	12	14067	El Paso Co WCID # 4	D	TX0710018	5,736	The existing meters at the El Paso County Water Improvements District #4 (EPCWCID #4) are manual and rely largely on manpower for water usage reading collection. Some of the existing meters are also malfunctioning. Under this project, the EPCWCID #4 proposes replacing the existing metering and billing system and furnishing and installing 1,932 new digital meters, electronic equipment for meter reading, and software for billing throughout the water distribution system. The meter replacement project seeks to provide benefits that result in water loss reduction and allow for a more accurate and efficient water usage data collection and, ultimately, better customer service.	PDC	\$869,671.00	50%	Yes-BC	\$869,671.00	
101	12	14069	El Paso Co WCID # 4	D	TX0710018	5,736	The existing I-10 Ground Storage Reservoir controls the raw water feed quality to the existing Fe/Mn filters and Reverse Osmosis facility and provides storage if the Wells become non-operational. The reservoir is currently not in use due to tank structural defects. Under this project, the Fabens Water District (EPCWCID #4) proposes to demolish the existing 0.5 MG steel reservoir, including foundation and piping, and replace it with a new 0.25 MG steel reservoir, including foundation, piping, cathodic protection system, fencing, and site grading.	PDC	\$895,280.00	50%			
13	73	14118	Ellinger Sewer & Water SC	W	TX0750014	392	Construct new filter system for Arsenic, including new building, piping and electrical. Additionally, construct new yard piping, chlorination system, booster pumps, electrical, generator, fencing and Bluebonnet Electrical Service. Also, move existing pressure tank from existing plant to new plant location including blast/coat pressure tank.	PDC	\$1,448,500.00	30%			13479
159	1	14077	Ennis	M	TX0700001	21,203	Design and Construct a new Elevated Storage Tank with associated piping for the City of Ennis	PDC	\$3,700,220.00				

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<b>Public Water System</b>													
160	1	14078	Ennis	M	TX0700001	21,780	Remove and replace existing old, undersized, and deteriorating waterlines with a new larger diameter waterline.	PDC	\$2,987,600.00				
66	20	13989	Ericksdahl WSC	W	TX1270005	274	Ericksdahl WSC has a history of high of TTHM levels and water loss. The proposed project will include tank mixing, disinfection improvements, water line replacement, and automatic meter reading system to reduce TTHMs and water loss.	PADC	\$1,420,000.00	50%	Yes-BC	\$140,000.00	
78	15	14045	Evadale WCID # 1	D	TX1210011	963	Evadale WCID#1 has recently lost part of its production wells due to mechanical failure and their water lines are deteriorating and undersized. This project will provide additional production capacity and replace deteriorated distribution lines.	PDC	\$959,999.90				12993
26	46	14112	Fort Davis WSC	W	TX1220001	1,029	Groundwater Treatment System to address Radionuclide in excess of the MCL for Gross Alpha, additional groundwater well, and prepare an asset management plan	PADC	\$2,750,000.00				
165	0	14082	Freer WCID	D	TX0660002	2,686	This project consists of constructing one (1) composite elevated tank, removing once (1) standpipe, rehabilitation one (1) ground storage tank, acquiring 1,000 water meters, and upgrading SCADA system.	PDC	\$3,856,524.00				
133	5	14002	Fulshear	M	TX0790133	16,311	A new 4.0 MGD supply and 5.75 MGD pumping station with 3.0 MG ground storage.	C	\$25,381,210.00				
158	1	14036	Fulshear	M	TX0790133	16,311	This project includes the construction of a new 1.0 MG elevated storage tank to serve growth in the City of Fulshear water system.	C	\$3,364,725.00				
50	23	14016	Gordon	M	TX1820007	744	Water treatment plant improvements including clarifier replacement, plant piping, SCADA, and distribution line replacements.	PDC	\$2,135,000.00	50%	Yes-BC	\$625,000.00	
150	2	14132	Graford	M	TX1820003	830	Replace existing water lines, install a SCADA System and radio read meters	PDC	\$750,000.00		Yes-BC	\$750,000.00	13474
63	21	14025	Grand Saline	M	TX2340003	3,115	Rehabilitate existing elevated storage tank and upgrade the existing water distribution system. Hydraulic Water Modeling.	PDC	\$1,277,250.00	30%			
119	10	14000	Grandview	M	TX1260004	1,841	This project consists of installing two new water wells, replacing deteriorated distribution lines and installing a new backup generator at the elevated storage tank site.	PADC	\$2,930,000.00	30%	Yes-BC	\$1,100,000.00	



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<b>Public Water System</b>													
62	21	14026	Granger	M	TX2460002	1,119	The project includes the rehabilitation of the City's pump station, south well, elevated storage tank supply pipe and overflow drain pipe, Hwy. 95 and UP railroad steel encasement by bore, replacement of water lines, valves and fire hydrants. A new filtration system will be installed for the removal of iron and manganese from the groundwater. Generators will be installed at the water plant. An asset management plan will be prepared according to TWDB and TCEQ requirements.	PDC	\$4,298,801.00	30%			13401
118	10	14125	Grapeland	M	TX1130002	1,489	New industry developments in the City require additional supply and storage.	PDC	\$3,221,000.00	50%			13394
71	20	14110	Greater Texoma UA	D	TX0910006	41,567	GTUA/City of Sherman Water System Improvements	PDC	\$8,403,500.00				
104	11	14151	Green Acres Mobile Home Park	P	TX0710066	300	Green Acres / Riverview project to install Isolation Valves and Flush Hydrants to allow better management of water and prevent full loss of system water during repairs.	C	\$92,500.00				
91	13	14122	Green Creek WSC	W	TX0720028	460	The WSC proposes to install a pump station with disinfection facilities. The WSC received a violation from the TCEQ for failure to provide a maximum hourly purchase rate of at least 2.0 gallons per minute (gpm) per connection. The WSC currently purchases treated wholesale water from the City of Dublin who also provides direct pressure to the WSC's water system. The WSC proposes to install a pump station and storage facility in order to provide a capacity of 0.6 gpm per connection.	PADC	\$750,000.00	70%	Yes-BC	\$750,000.00	13423
88	13	13993	Groveton	M	TX2280001	1,094	System Study and Water Distribution Line Replacements	PDC	\$2,165,000.00	30%			
77	16	14164	Haciendas Del Norte WID	D	TX0710091	1,148	Replacement of 14,900 linear feet of 12-inch diameter waterline along Desert Willow Drive and vital isolation valves within Haciendas del Norte Units 1 and 2, El Paso County, Texas and preparation of asset management plan.	PDC	\$2,533,191.00				
64	21	13990	Hamilton	M	TX0970001	3,200	Replacement of water lines that are in poor condition throughout the city.	PDC	\$2,173,063.00	30%			
162	0	14090	Harrold WSC	W	TX2440002	141	Install a new supply line and repair the existing elevated storage tank	PDC	\$300,000.00				13426
39	30	14145	Hidalgo	M	TX1080021	12,200	Proposed Construction of 5.0 MGD Surface Water Treatment Plant	PADC	\$13,300,000.00	30%			
123	10	14170	Hidalgo	M	TX1080021	12,200	0.5 MG Elevated Tank Replacement Project	PDC	\$4,477,000.00	30%			

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<b>Public Water System</b>													
86	14	14013	Hidalgo Co MUD # 1	D	TX1080088	8,200	The district requires a 500,000 gal elevated storage tank to meet state requirements	PADC	\$2,150,000.00	30%			
120	10	14109	Holiday Beach WSC	W	TX0040015	1,852	Water Line Improvements	PDC	\$1,400,000.00	30%			
53	23	14085	Hudspeth Co WCID # 1	D	TX1150007	2,141	Improvements on the existing transmission line and the creation of a new well field, including a booster pump station, ground storage tank, chlorination system, and appurtenances to be tied into the existing transmission line.	PADC	\$6,150,000.00	50%			13424
94	13	14053	Jackson Co WCID # 1	D	TX1200003	819	New Water Well, Ground Storage Tank, & Booster Pumps	DC	\$788,200.00				
97	13	14121	Keene	M	TX1260008	6,266	Replace approximately 16,000 linear feet of 2-inch through 8-inch water line. Install a new well and pump station facilities.	PDC	\$3,100,000.00		Yes-BC	\$3,100,000.00	13472
30	43	14044	Kenedy	M	TX1280002	3,410	The City has a history of water supply outages and marginal supply including boil notices to it's community during each of the most recent natural disasters. The existing complicated, electricity-dependent reverse-osmosis system based on a poor water-quality supply is a major contributor to the problem. This project includes a new, more dependable water source and supply pipeline.	PDC	\$24,000,000.00	70%			
114	10	14023	Knollwood	M	TX0910146	590	This project will include replacing/improving undersized water mains in the City and installing new isolation valves to improve operation and maintenance.	PDC	\$300,000.00				
8	99	14003	La Joya	M	TX1080213	4,253	The project includes expansion of the Water Treatment Plant, installing two 1,350 gpm pumps, installation of 16,415 LF. of 12-inch pvc pipe and construction of an elevated storage tank.	PADC	\$7,179,200.00	30%			
11	77	14010	La Joya	M	TX1080213	4,253	Construct new 0.5 MG elevated storage tank and 20,000 LF. of 12 inch transmission line.	PADC	\$7,055,000.00	30%			
57	22	14140	La Villa	M	TX1080023	2,781	Proposed project is intended to help meet water demand for future upcoming development.	PADC	\$10,185,000.00	70%			



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<b>Public Water System</b>													
41	30	13987	Laguna Madre WD	D	TX0310005	15,022	Water Treatment Plant No. 1(WTP No. 1) is currently out of service due to lower quality effluent production with water demands provided for solely by Water Treatment Plant No. 2 (WTP No. 2), which cannot meet present day maximum water demands during the summer with existing firm capacity. The District has identified improvements to WTP No. 1 that are necessary to increase treatment capacity from 2.9 MGD to 5.0 MGD, upgrade treatment units to match water quality from WTP No. 2 and replace equipment past the end of their service life, and provide system resiliency should one of the treatment plants need to be taken offline, or should a water main break occur.  Additionally, project includes the decommissioning of two (2) existing elevated storage tanks (ESTs) in poor condition and installation of a single new 0.60 MG EST.	PDC	\$24,434,459.00				
70	20	14103	Laguna Madre WD	D	TX0310005	19,908	The proposed project consists of improvements to Long Island Village (LIV) Water Distribution system located within Laguna Madre Water District (LMWD) service area.	PDC	\$6,649,606.50	30%			
137	4	14076	Lake Palo Pinto Area WSC	W	TX1820069	1,932	This project is targeted mainly at making distribution system improvements to bring the system in compliance with TCEQ minimum line size requirements (30 TAC ?290.44(c)). It also includes pump station improvements to eliminate an existing inline booster pump station, and replace old infrastructure, provide better pressure maintenance for areas of the existing system, and provide operational flexibility through SCADA improvements and piping insulation at the Water Treatment Plant.	PDC	\$5,803,000.00		Yes-BC	\$5,763,000.00	13444
42	25	14062	Leonard	M	TX0740005	2,481	improvements to the existing water system, piping, pumps, tanks	PADC	\$8,479,050.00	50%			
116	10	14124	Lone Oak	M	TX1160006	786	The City of Lone Oak is experiencing issues with various water lines in their system due to undersized lines and dead-ends.	PDC	\$500,000.00		Yes-BC	\$500,000.00	13430
115	10	14075	Loraine	M	TX1680002	602	Replacement of various portions of the City's potable water distribution pipeline and valves.	PDC	\$2,177,000.00				
126	10	14146	Lower Valley WD	D	TX0710154	93,061	This area is currently being served by an undersized and dilapidated water system. In addition, LVWD is proposing to upgrade the size of the main distribution system to improve pressure.	PDC	\$1,853,491.00				

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<b>Public Water System</b>													
127	10	14149	Lower Valley WD	D	TX0710154	93,061	This area is currently being served by an undersized and dilapidated water system. In addition, LVWD proposes to upgrade the size of the main distribution system to improve pressure and bring dependable water source to Mesa Del Norte, Lourdes Estates and El Conquistador colonias (416 households/1,539 residents).	PDC	\$2,346,725.00				
128	10	14150	Lower Valley WD	D	TX0710154	93,061	This area is currently not served by the District's water system. LVWD propose to install a 12" or larger pipe to the main distribution system to expand services to unserved areas and improve pressure.	PDC	\$17,331,795.00				
129	10	14152	Lower Valley WD	D	TX0710154	93,061	This project's focus is to provide first-time water services to areas that are not being served. Also, this project will help extend and expand water services by adding water lines and will help the District's water system by creating redundancy by eliminating dead ends in the system which will help the District from flushing this water out of the system.	PDC	\$10,412,000.00				
9	94	13986	M & M WSC	W	TX0030026	3,189	Disinfection system upgrades and new tank mixers	PDC	\$1,019,000.00	30%			
130	7	14038	Mabank	M	TX1290005	12,975	The demands of the City's water service area are taxing the capacity of the PWS. Upgrades to the WTP, transmission lines, and added storage capacity are proposed to keep the City in compliance and to meet the needs of the occurring growth in the City.	PDC	\$15,806,700.00				
146	3	14142	Magnolia	M	TX1700020	2,688	Water System Improvements	PADC	\$12,000,000.00				13380
136	4	14139	Marsha WSC	W	TX2270040	680	Marsha WSC is experiencing major and consistent water loss in the distribution system. In order to prevent these losses, the PWS will need to replace water lines and replace meters. The system also needs to replace lines to accommodate fire flow.	PADC	\$5,571,400.10		Yes-BC	\$1,166,970.00	
169	0	14032	Marshall	M	TX1020002	23,449	Replace Existing Raw Water Main	PDC	\$8,579,000.00				13413
80	14	14107	McAllen	M	TX1080006	143,258	This Project consists of facility improvements at the Northwest Water Treatment Plant such as to increase Capacity by a minimum of 10 MGD. The current plan is to install a parallel treatment train that will essentially double capacity of the North Water Treatment Plant.	C	\$22,500,000.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Requested Phase(s)	Total Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>													
134	5	14115	McAllen	M	TX1080006	143,258	McAllen Public Utility proposes to install large diameter transmission lines such as to improve efficiency of water delivery throughout the service area. This loan will also be used to fund the construction of a new elevated water storage tower.	C	\$6,750,000.00				
149	3	14116	McAllen	M	TX1080006	143,258	This Project consists of improvements to existing Back-up Power facilities at both our South and Northwest Water Treatment Facilities.	C	\$2,812,500.00				
32	36	14166	Medina Highlands	P	TX0100041	120	Medina Highlands very small water system has one well. Well production had been in decline, and unable to meet peak usage. Customers are operating under conservation measures. The winter weather event of February 2021 caused water outages, after returning to production the sole well later lost production in March 2021. Medina Highlands seeks emergency funding for a replacement well to provide adequate long term supply for the small public water system. An asset management plan will be developed and adopted.	C	\$215,000.00				
121	10	14073	Meeker MWD	D	TX1230004	3,550	Proposed groundwater well; production facilities including high service pumps, ground storage tanks, chemical feed systems, electrical facilities etc., and water line extensions necessary to connect new well to existing system.	PADC	\$6,504,000.00				13412
109	10	13988	Melvin	M	TX1540003	184	This project involves the installation of an AMR meter system, the recoating and repair of an existing ground storage tank and the installation of new waterlines.	PDC	\$400,000.00	50%	Yes-BC	\$65,000.00	13388
4	160	14111	Menard	M	TX1640001	1,562	Major rehabilitation, additions and modifications to the surface water treatment plant and raw water wells to address groundwater under the influence.	DC	\$4,565,000.00	30%			13450

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<b>Public Water System</b>													
49	23	14050	Mertzon	M	TX1180002	700	As a result of the recent historic ongoing drought, the City's water supply is still depleted. The City currently has five (5) functional groundwater wells (of the original eight), caused by continual pumping during the ongoing drought, and is in the process of obtaining approval for a new sixth well. The City has observed a steady decrease in production from its wells over the past several years, to the point that three of the original eight wells are essentially "dry" at this time. As the water supply has dwindled, the quality of the water no longer meets secondary drinking water quality standards. In order to support current water supply needs with water that meets current drinking water quality standards, the City of Mertzon is pursuing implementation of a major project to install a treatment system to address the City's groundwater quality issues.	PDC	\$3,808,000.00	50%	Yes-BC	\$3,224,000.00	13440
10	85	14051	Miles	M	TX2000002	870	The City of Miles (City) proposes to pursue development of an alternative source of water supply to complement its current wholesale water supply. The City needs to identify and evaluate alternative water supply options including development of additional surface water or groundwater supplies as well as potential treatment of its existing groundwater to reduce nitrate and dissolved solids levels to within compliance.	P	\$200,000.00		Yes-BC	\$200,000.00	13431
1	495	14126	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water. The project includes additional water system improvements	PDC	\$2,300,000.00	70%			13427
164	0	14009	Montgomery Co FWSD # 6	D	TX1700142	373	Improvements to the Montgomery County Fresh Water Supply District No 6 (MCFWSD6 or the "District") water plant and distribution system to meet minimum TCEQ and City of Conroe design standards for existing and future demands.	DC	\$1,211,348.00				
139	3	13994	Montgomery Co UD # 4	D	TX1700286	3,804	New water well, transfer line, and booster pumps to serve Montgomery County Utility District 4 (UD4 or the "District") to meet minimum TCEQ and City of Conroe design standards for separation from Montgomery County Utility District 3 (UD3).	DC	\$2,835,000.00				
141	3	14175	Mooreville WSC	W	TX0730015	142	Mooreville WSC Pump Station & Water Distribution System Improvements	PADC	\$2,625,580.00				13367
111	10	14015	Moran	M	TX2090002	355	Water Line Replacement	PDC	\$340,000.00	70%	Yes-BC	\$300,000.00	13422

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<b>Public Water System</b>													
61	21	14084	Mount Calm	M	TX1090005	331	The existing elevated is out of plumb and needs to be corrected. The tank is currently out of service.	PDC	\$700,000.00	50%			
17	66	13997	Mullin ISD	D	TX1670013	130	Planning and design for a new well, treatment and distribution system to supply municipal and school needs	PADC	\$25,839,530.00				
155	1	13992	New Fairview	M		1,347	The City does not currently own public water infrastructure nor provide water to anyone. At present, small water supply corporations provide water to residences and businesses that do not have private groundwater wells within the city. However, these small co-ops are unable to meet the demands of growth occurring within the City. Therefore, the City wishes to obtain a CCN and construct infrastructure for providing public water to meet the needs of the City moving forward.	PADC	\$58,765,000.00				
12	74	14022	New Summerfield	M	TX0370028	1,350	Water System Improvements	PDC	\$2,000,000.00				
153	2	14071	Nolanville	M		5,496	Replace water lines with code compliant	PDC	\$2,196,000.00				
67	20	14042	North Alamo WSC	W	TX1080029	963	Transmission System Improvements for Hargill	C	\$827,000.00	30%			
44	24	14155	Oak Grove WSC	W	TX0190014	921	Riverbend Regional Water System	ADC	\$1,420,000.00		Yes-BC	\$497,000.00	
72	20	14006	Odessa	M	TX0680002	169,416	The proposed project elements include replacement of the plant 1 flocculation and sedimentation basins, rehabilitation and upgrade of disinfection facilities, new chemical feed and storage facilities, rehabilitation of all filters along with SCADA and electrical improvements.	C	\$100,000,000.00				13810
105	11	14005	Old Tamina WSC	W	TX1700110	507	Upgrades to existing water meters and master water meter; replacement of hydrotanks and rehabilitation of ground storage tank; installation of new isolation valves and replacement of existing flush valves	PADC	\$195,030.00	50%			13478
167	0	14014	Olney	M	TX2520003	3,200	Rehabilitation or new construction of the existing water treatment plant.	PADC	\$10,330,000.00				13505
54	23	14143	Orangefield WSC	W	TX1810186	6,531	The proposed project water system improvement will eliminate the use of private drinking water wells and address the human health needs by eliminating potential risks to public health and safety caused by the unsatisfactory water quality.	PADC	\$9,300,000.00				
24	51	14099	Paint Rock	M	TX0480012	223	This project involves the replacement of old water lines with new water lines and the installation of new water lines to reduce thms.	PDC	\$300,000.00				13418

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<b>Public Water System</b>													
95	13	14167	Palm Valley	M	TX0310027	1,706	Palm Valley Water Distribution System Improvement projects	DC	\$12,111,005.00				
151	2	14123	Parker WSC	W	TX1260021	3,000	The WSC wants to improve their water distribution system to better service customers with sufficient pressure and disinfectant residuals.	PDC	\$3,300,000.00		Yes-BC	\$3,300,000.00	13428
20	60	14017	Pflugerville	M	TX2270014	56,558	Since July of 2018 the City of Pflugerville Water Treatment Plant has received numerous TCEQ violations related to the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) violations. The WTP expansion is to address these violations.	C	\$66,945,000.00				
45	24	14054	Port Arthur	M	TX1230009	54,864	Water Line Improvements	DC	\$16,500,520.00	30%			13416
131	7	14091	Reno	M	TX1840049	2,900	Design and construction of a new 0.5MG elevated storage tank and onsite well to fill the tank. SCADA will be included to monitor the hydraulics and fill rates. A master plan which includes an asset management plan will be developed to prioritize the system needs.	PADC	\$3,550,000.00		Yes-BC	\$2,000,000.00	
166	0	14095	Reno	M	TX1840049	2,900	Water system analysis with a masterplan to identify and prioritize the system needs. Design and construction of waterlines and other facilities will be included in this project.	PDC	\$7,750,000.00		Yes-BC	\$6,150,000.00	
18	63	14098	Rhome	M	TX2490007	10,277	This project will allow the City to serve current and future development and meet their long term water supply needs.	PADC	\$26,545,000.00				
156	1	14089	Rhome	M	TX2490007	1,813	Ground storage tank improvements, Water well and SCADA improvements, FM 3433 disinfection booster system, and Well No. 6 radium treatment	PDC	\$1,945,650.00				
48	23	14052	Richland Springs	M	TX2060002	350	replacement and upgrade of 25 miles of pipeline	PDC	\$3,824,200.00	70%			13458
15	68	14063	Riverside SUD	D	TX2360010	5,760	Riverside SUD Waterwell Replacement	PDC	\$1,500,000.00				
143	3	14087	Rochelle WSC	W	TX1540004	372	This project involves the rehabilitation of existing ground storage tanks, the replacement of old waterlines and the replacement of existing meters with an AMR meter system.	PDC	\$300,000.00		Yes-BC	\$75,000.00	13419
112	10	14086	Rochester	M	TX1040002	464	This project involves the drilling of a new water well, the installation of an AMR meter system and the installation of water line and the replacement of old water line.	PDC	\$500,000.00	70%	Yes-BC	\$75,000.00	13467

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<b>Public Water System</b>													
98	13	14094	Roma	M	TX2140007	19,123	The City is addressing the need for Phase I (6 MGD) of a new water treatment plant (WTP) to serve City of Roma residents and fully comply with all water treatment regulations. The City's existing WTP was partially rehabilitated in the late 1990s and has reached the end of its useful life and requires replacement.	PDC	\$6,000,000.00	50%	Yes-BC	\$6,000,000.00	13446
19	63	14057	Rowena WSC	W	TX2000004	480	This project will reduce TTHM levels to gain compliance with the Stage 2 DBP Rule.	PDC	\$4,261,000.00	70%	Yes-BC	\$4,261,000.00	13442
113	10	14097	Rule	M	TX1040003	540	This project involves the replacement of old cast iron lines with new lines and the installation of an AMR meter system.	PDC	\$400,000.00	50%	Yes-BC	\$110,000.00	13470
170	0	13998	San Antonio Water System	M	TX0150018	1,857,779	This project, Phase 9 in the multi-year pump station improvements program, will evaluate and replace high service pumps, well pumps, and electrical and SCADA equipment at the Marbach pump station.	C	\$20,139,290.00				
171	0	14092	San Antonio Water System	M	TX0150018	1,857,779	Replace high service pumps, electrical gears, instrumentation and and controls, SCADA, valves, motors, disinfection and fluoride system, cathodic protection, and other miscellaneous improvements.	C	\$22,918,170.00				
124	10	14156	San Benito	M	TX0310007	24,371	City of San Benito Proposed Water System Improvements	PDC	\$2,941,264.00	30%			
122	10	14117	San Diego MUD # 1	D	TX0660003	4,753	Rehabilitation of the existing elevated and ground storage for the San Diego MUD facilities.	PADC	\$2,290,000.00	50%			
5	154	14130	Sandbranch Development & WSC	W	Pending	190	Install a water system to an existing development	ADC	\$587,500.00	70%	Yes-BC	\$587,500.00	12486
68	20	14136	Santa Anna	M	TX0420002	1,099	Replacement of various portions of the City's potable water distribution pipeline and valves.	PDC	\$1,093,000.00	30%			13386
82	14	14079	Santo SUD	D	TX1820010	2,775	The proposed project includes improvements to various portions of the water system to bring the system into compliance with TCEQ requirements and provide capacity for future growth. An asset management plan will be prepared as part of this project.	PDC	\$9,866,000.00		Yes-BC	\$9,866,000.00	
46	23	14141	Shamrock	M	TX2420001	2,430	Shamrock desires to replace the transmission pipeline that carries water from the North Well Field to the distribution system, replace ground storage tanks in both the West and North Well Fields, replace a portion of the existing distribution system and construct a new elevated storage tank.	PADC	\$16,955,200.00	50%	Yes-BC	\$11,835,000.00	13498



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<b>Public Water System</b>													
35	33	13991	Sharyland WSC	W	TX1080033	87,274	SWSC seeks funding from the Texas Water Development Board's Drinking Water State Revolving Fund in order to be able to better serve their customers and improve the overall performance, reliability, and redundancy of their water distribution system. Proposed projects include, but are not limited to: pressure zone expansions to address identified low pressure zones throughout the system and improve the level of service for customers; infrastructure relocation projects; capacity and performance improvements projects to treatment facilities and the distribution system; and looping and gridding throughout the system to improve redundancy, reliability, and resiliency.	DC	\$23,500,000.00	30%			
102	12	14058	Slaton	M	TX1520004	6,077	The City of Slaton is proposing the installation of an AMI system throughout their distribution system as well as the installation of a new elevated storage tank.	PDC	\$4,604,000.00	30%	Yes-BC	\$4,604,000.00	13441
147	3	14043	South Newton WSC	W	TX1760022	3,800	This project will provide improvements to South Newton's water plants to improve operation of the distribution system, add backup power, and an additional elevated storage tank at water plant for pressure stabilization.	PDC	\$2,462,209.00				
51	23	14080	Spur	M	TX0630012	1,100	Replacement of various portions of the City's potable water distribution pipeline system, valves, and fire hydrants.	PDC	\$2,321,000.00	50%	Yes-BC	\$2,321,000.00	
96	13	14135	Stephens Regional SUD	D	TX2150007	3,173	SRSUD is proposing water system improvements to address growth in the distribution system by expanding the distribution system to areas which are currently unserved.	PDC	\$1,093,000.00	30%	Yes-BC	\$1,093,000.00	
2	275	14041	Strawn	M	TX1820005	487	The project includes replacing the existing multi-media filters with new microfilters.	PDC	\$1,627,000.00	70%			
132	6	14035	Stryker Lake WSC	W	TX0370033	908	New water plant with ground storage tank, high service pump station and treatment. Replace aging water line.	PDC	\$1,427,900.00				13391
110	10	14088	Study Butte WSC	W	TX0220035	196	This project involves the replacement of an existing ground storage tank and the replacement of existing water lines and valves.	PDC	\$500,000.00	70%			13393
145	3	14019	Tioga	M	TX0910007	1,366	The project involves constructing a new high service pump station, 500,000-gallon elevated storage tank, 250,000-gallon ground storage tank, a 400 gpm water well, and line extensions to connect the elevated storage tank into the distribution system.	PADC	\$8,459,053.00				



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<b>Public Water System</b>													
14	70	14138	Toyah	M	TX1950004	113	Installation of Raw Water Chlorination, Chlorine Residual Monitoring, Ammonia Facilities, and Raw Water piping improvements to convert the disinfection system to Chloramines to address DPB.	PDC	\$300,000.00				13406
163	0	14101	Trent	M	TX2210009	269	This project involves the replacement of old existing water lines that are prone to breaking and leaking with new pvc water line.	PDC	\$300,000.00				13500
161	0	14120	Tri-Try WSC	W	TX2170004	88	This project includes the construction of a new pump station for the WSC.	PDC	\$300,000.00				13510
142	3	14105	Umbarger Community WSC	W	TX1910024	180	Water System Improvements This project involves the installation of a new water well and supply line as well as the treatment for the new water supply.	PADC	\$500,000.00				13382
144	3	14163	Upton Co WCID # 1 Rankin	D	TX2310027	744	Upton County Water District, Rankin Well Well Field, required additional water wells to meet primary drinking water standards.	DC	\$4,455,000.00				
22	55	14127	Venus	M	TX1260006	3,488	Water Distribution System Improvements	PADC	\$10,175,840.00				
33	35	14034	Vernon	M	TX2440001	10,874	Install a new 8.5 mile 24" PVC pipeline.	PADC	\$11,881,000.00	50%	Yes-BC	\$11,881,000.00	13402
28	44	14081	Webb County	C	TX2400022	750	Webb County desires to install improvements/upgrades at the existing RO WTP. The County is currently hauling water to this area to serve the residents.	C	\$2,192,000.00		Yes-BC	\$2,192,000.00	
7	111	14106	Welch WSC	W	TX0580013	315	Welch Water Rehabilitation	PADC	\$1,650,000.00				
103	11	13995	Wellborn SUD	D	TX0210016	22,000	The District plans to add two water supply wells for additional water supply capacity with water transmission lines, ground storage and pump station, and distribution lines to increase distribution system capacity.	PADC	\$43,304,491.00				
81	14	14083	Westbound WSC	W	TX0670027	2,748	Westbound WSC has substantial head loss through smaller diameter water lines, a lack of production water in certain pressure planes, limited capability to control and monitor the distribution system remotely, two pump stations that are old and hydraulically undersized, in addition to very limited emergency back up power. After the proposed improvements have been constructed, the above mentioned issues should be resolved.	PDC	\$3,685,000.00				

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<b>Public Water System</b>													
138	3	14011	Westhaven WSC	W	TX0460050	185	Repairs and upgrades to Well #1 which is 60 years old; shut-off valves at the ends of streets; replace all water meters with AMI meters to reduce water loss figures. Develop an asset management plan to include asset management training.	PDC	\$606,727.00		Yes-BC	\$60,000.00	
154	1	14008	Willow Park	M	TX1840027	6,323	The project consists of a water transmission line, water distribution line replacement, two new elevated tanks, elevated tank recoating, and appurtenances.	PADC	\$6,350,000.00		Yes-BC	\$650,000.00	13407
168	0	14128	Willow Park	M	TX1840027	6,323	The project consists of the installation of 18" and 16" water supply lines along IH20 and pump station and storage improvements. The current request is for funding of cost overruns.	C	\$7,287,080.00				
65	21	14061	Wills Point	M	TX2340005	3,889	The City of Wills Point has a 12 inch raw water supply line which supplies water from the intake on Lake Tawakoni to the City's Water Treatment Plant. The raw water transmission line, the raw water intake pump station, and the in-line booster pump station are in need of repairs, upgrades, and replacements. The purpose of this project is to replace 38,400 linear feet of 12 inch raw water transmission line from the Lake Tawakoni Intake to the City of Wills Point Water Treatment Plant, make upgrades to the raw water intake pump station, and make upgrades to the in-line booster pump station in order to provide reliable raw water to the City's Water Treatment Plant.	PDC	\$5,585,000.00	50%			13398
25	51	14072	Winnsboro	M	TX2500004	3,360	Blast and paint interior and exterior of existing 350,000 gallon elevated storage tank, 500,000 gallon ground storage tank, and 1,000,000 gallon ground storage tank. Replace aged cast iron distribution lines.	PDC	\$7,963,176.70				
<b>Public Water System Total</b>		<b>171</b>							<b>\$1,192,938,220.52</b>	<b>77</b>	<b>42</b>	<b>\$101,825,810.00</b>	
<b>Total</b>		<b>171</b>							<b>\$1,192,938,220.52</b>	<b>77</b>	<b>42</b>	<b>\$101,825,810.00</b>	

Phase(s): P-Planning; A-Acquisition; D-Design; C-Construction

Green Type: BC-Business Case; CE-Categorically Eligible; Comb-Project consists of both CE and BC components

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None.

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**Appendix I. Projects Ineligible for Disadvantaged Funding**

Projects Listed are not eligible for Disadvantaged Community Funding but are eligible for low-interest financing.				
	PIF #	Entity	Project Cost	Reason for Ineligibility
1	14165	Arimak WSC	\$1,314,000	Disadvantaged Ineligible - AMHI
2	14001	Baytown	\$3,072,300	Disadvantaged Ineligible - HCF
3	14040	Blum	\$300,000	Disadvantaged Ineligible - AMHI
4	13999	Carl's Corner	\$1,016,900	Disadvantaged Ineligible - AMHI
5	14004	Covington	\$300,000	Disadvantaged Ineligible - AMHI
6	14157	Dish	\$400,000	Disadvantaged Ineligible - AMHI
7	14132	Graford	\$750,000	Disadvantaged Ineligible - AMHI
8	14151	Green Acres Mobile Home Park	\$92,500	Disadvantaged Ineligible - HCF
9	14023	Knollwood	\$300,000	Disadvantaged Ineligible - AMHI
10	14124	Lone Oak	\$500,000	Disadvantaged Ineligible - AMHI
11	14146	Lower Valley WD	\$1,853,491	Disadvantaged Ineligible - HCF
12	14149	Lower Valley WD	\$2,346,725	Disadvantaged Ineligible - HCF
13	14150	Lower Valley WD	\$17,331,790	Disadvantaged Ineligible - HCF
14	14152	Lower Valley WD	\$10,412,000	Disadvantaged Ineligible - HCF
15	14051	Miles	\$200,000	Disadvantaged Ineligible - AMHI
16	13997	Mullin ISD	\$25,839,530	Disadvantaged Ineligible - DNS
17	14071	Nolanville	\$2,196,000	Disadvantaged Ineligible - AMHI
18	14143	Orangefield WSC	\$9,300,000	Disadvantaged Ineligible - AMHI
19	14167	Palm Valley	\$12,111,000	Disadvantaged Ineligible - AMHI
20	14123	Parker WSC	\$3,300,000	Disadvantaged Ineligible - AMHI
21	14063	Riverside SUD	\$1,500,000	Disadvantaged Ineligible - AMHI
22	14035	Stryker Lake WSC	\$1,427,900	Disadvantaged Ineligible - AMHI
23	14081	Webb County	\$2,192,000	Disadvantaged Ineligible - AMHI
24	14106	Welch WSC	\$1,650,000	Disadvantaged Ineligible - AMHI
25	14083	Westbound WSC	\$3,685,000	Disadvantaged Ineligible - AMHI
<b>Total</b>			<b>\$103,391,136</b>	

**AMHI** = Annual Median Household Income was greater than 75% of the State AMHI.

**DNS** = Did not submit updated project information form survey data

**HCF** = Did not meet the Household Cost Factor

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<b>Public Water System</b>													
1	495	14126	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water. The project includes additional water system improvements	PDC	\$2,300,000.00	70%			13427
2	275	14041	Strawn	M	TX1820005	487	The project includes replacing the existing multi-media filters with new microfilters.	PDC	\$1,627,000.00	70%			
3	195	14024	Angelina & Neches RA	D	TX0030030	1,043	The proposed project involves the design and construction of a regional water system to serve first time water customers, to consolidate and supply drinking water to several Public Water Systems (PWSs) east of the City of Zavalla along Highway 147 in southern Angelina County and the City of Zavalla. These PWS's primary source of drinking water supply is groundwater, which has historically had water quality and quantity issues. The proposed regional water system will decommission each of the PWS's water production facilities and supply drinking water for existing customers and projected residential and commercial growth.	PADC	\$23,895,045.00	50%			
4	160	14111	Menard	M	TX1640001	1,562	Major rehabilitation, additions and modifications to the surface water treatment plant and raw water wells to address groundwater under the influence.	DC	\$4,565,000.00	30%			13450
5	154	14130	Sandbranch Development & WSC	W	Pending	190	Install a water system to an existing development	ADC	\$587,500.00	70%	Yes-BC	\$587,500.00	12486
6	150	14154	Barksdale WSC	W	TX0690011	210	New Well Exploration to find an aquifer	PADC	\$660,000.00	50%			
7	111	14106	Welch WSC	W	TX0580013	315	Welch Water Rehabilitation	PADC	\$1,650,000.00				
8	99	14003	La Joya	M	TX1080213	4,253	The project includes expansion of the Water Treatment Plant, installing two 1,350 gpm pumps, installation of 16,415 LF. of 12-inch pvc pipe and construction of an elevated storage tank.	PADC	\$7,179,200.00	30%			
9	94	13986	M & M WSC	W	TX0030026	3,189	Disinfection system upgrades and new tank mixers	PDC	\$1,019,000.00	30%			
10	85	14051	Miles	M	TX2000002	870	The City of Miles (City) proposes to pursue development of an alternative source of water supply to complement its current wholesale water supply. The City needs to identify and evaluate alternative water supply options including development of additional surface water or groundwater supplies as well as potential treatment of its existing groundwater to reduce nitrate and dissolved solids levels to within compliance.	P	\$200,000.00		Yes-BC	\$200,000.00	13431

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<b>Public Water System</b>													
11	77	14010	La Joya	M	TX1080213	4,253	Construct new 0.5 MG elevated storage tank and 20,000 LF. of 12 inch transmission line.	PADC	\$7,055,000.00	30%			
12	74	14022	New Summerfield	M	TX0370028	1,350	Water System Improvements	PDC	\$2,000,000.00				
13	73	14118	Ellinger Sewer & Water SC	W	TX0750014	392	Construct new filter system for Arsenic, including new building, piping and electrical. Additionally, construct new yard piping, chlorination system, booster pumps, electrical, generator, fencing and Bluebonnet Electrical Service. Also, move existing pressure tank from existing plant to new plant location including blast/coat pressure tank.	PDC	\$1,448,500.00	30%			13479
14	70	14138	Toyah	M	TX1950004	113	Installation of Raw Water Chlorination, Chlorine Residual Monitoring, Ammonia Facilities, and Raw Water piping improvements to convert the disinfection system to Chloramines to address DPB.	PDC	\$300,000.00				13406
15	68	14063	Riverside SUD	D	TX2360010	5,760	Riverside SUD Waterwell Replacement	PDC	\$1,500,000.00				
16	67	14060	Carthage	M	TX1830001	16,251	The City of Carthage's water treatment plant contains aged equipment performing critical treatment methods within the plant's treatment process. Age of equipment has become noticeable as the performance of equipment has decreased from it's intended purpose. The City of Carthage's elevated storage tanks are in need of rehabilitation as inspection reports have revealed significant corrosion and compromised the structural integrity of parts of the elevated storage tanks.	DC	\$6,000,000.00				
17	66	13997	Mullin ISD	D	TX1670013	130	Planning and design for a new well, treatment and distribution system to supply municipal and school needs	PADC	\$25,839,530.00				
18	63	14098	Rhome	M	TX2490007	10,277	This project will allow the City to serve current and future development and meet their long term water supply needs.	PADC	\$26,545,000.00				
19	63	14057	Rowena WSC	W	TX2000004	480	This project will reduce TTHM levels to gain compliance with the Stage 2 DBP Rule.	PDC	\$4,261,000.00	70%	Yes-BC	\$4,261,000.00	13442
20	60	14017	Pflugerville	M	TX2270014	56,558	Since July of 2018 the City of Pflugerville Water Treatment Plant has received numerous TCEQ violations related to the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) violations. The WTP expansion is to address these violations.	C	\$66,945,000.00				

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<b>Public Water System</b>													
21	58	14018	Anthony	M	TX0710001	3,500	The Town of Anthony will need to construct a 250,000 gallon elevated water tank, rehabilitate existing water wells, replace booster stations, address leaking water lines, install a chlorination control system, replace meters and build arsenic treatment plant in order to provide enough adequate water to the residents.	ADC	\$9,520,963.00	50%			13494
22	55	14127	Venus	M	TX1260006	3,488	Water Distribution System Improvements	PADC	\$10,175,840.00				
23	52	14165	Arimak WSC	W	TX1330135	108	The Arimak Water Supply Corporation (WSC) is the recipient of an Administrative Order from the United States Environmental Protection Agency (EPA) for non-compliance of the Safe Drinking Water Act (SDWA) as it pertains to radionuclides levels in drinking water. The WSC is addressing this matter through the implementation of a groundwater treatment project. Also, the ground storage tanks (GSTs) have reached the end of their useful life and are in need of replacement. The project will include development of an asset management plan.	PDC	\$1,314,000.00				
24	51	14099	Paint Rock	M	TX0480012	223	This project involves the replacement of old water lines with new water lines and the installation of new water lines to reduce thhms.	PDC	\$300,000.00				13418
25	51	14072	Winnsboro	M	TX2500004	3,360	Blast and paint interior and exterior of existing 350,000 gallon elevated storage tank, 500,000 gallon ground storage tank, and 1,000,000 gallon ground storage tank. Replace aged cast iron distribution lines.	PDC	\$7,963,176.70				
26	46	14112	Fort Davis WSC	W	TX1220001	1,029	Groundwater Treatment System to address Radionuclide in excess of the MCL for Gross Alpha, additional groundwater well, and prepare an asset management plan	PADC	\$2,750,000.00				
27	45	14153	Daisetta	M	TX1460004	938	Water Well	PADC	\$2,157,380.90	30%			
28	44	14081	Webb County	C	TX2400022	750	Webb County desires to install improvements/upgrades at the existing RO WTP. The County is currently hauling water to this area to serve the residents.	C	\$2,192,000.00		Yes-BC	\$2,192,000.00	

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<b>Public Water System</b>													
29	44	14114	Bistone Municipal WSD	D	TX1470006	23,555	Bistone's transmission lines to its various wholesale customers is aged and has issues with leaks. The project will replace the portion of the transmission system known as the 1967 14" steel cylinder concrete pipe. Bistone has also been advised by TCEQ that a pressure sustaining tank (pressure tank or elevated tank) is needed for the periods when the Surface Water and Groundwater Treatment Plants are providing water. Blending is isolated from the two sources when the Surface Plant operates but this requires pumps to provide needed pressure. The elevated tank will resolve this issue and comply with the TCEQ Blending Exception.	PDC	\$12,121,000.00				
30	43	14044	Kenedy	M	TX1280002	3,410	The City has a history of water supply outages and marginal supply including boil notices to it's community during each of the most recent natural disasters. The existing complicated, electricity-dependent reverse-osmosis system based on a poor water-quality supply is a major contributor to the problem. This project includes a new, more dependable water source and supply pipeline.	PDC	\$24,000,000.00	70%			
31	43	14133	Alamo	M	TX1080001	20,178	Water Treatment Plant Rehabilitation & Expansion	PDC	\$7,500,000.00	30%			
32	36	14166	Medina Highlands	P	TX0100041	120	Medina Highlands very small water system has one well. Well production had been in decline, and unable to meet peak usage. Customers are operating under conservation measures. The winter weather event of February 2021 caused water outages, after returning to production the sole well later lost production in March 2021. Medina Highlands seeks emergency funding for a replacement well to provide adequate long term supply for the small public water system. An asset management plan will be developed and adopted.	C	\$215,000.00				
33	35	14034	Vernon	M	TX2440001	10,874	Install a new 8.5 mile 24" PVC pipeline.	PADC	\$11,881,000.00	50%	Yes-BC	\$11,881,000.00	13402
34	35	14161	Donna	M	TX1080002	15,798	The proposed project consists of a 12" waterline to serve as an interconnect connected from the City of Weslaco's water tower to the City of Donna's pipeline.	PADC	\$1,463,738.42	30%			13849



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<b>Public Water System</b>													
35	33	13991	Sharyland WSC	W	TX1080033	87,274	SWSC seeks funding from the Texas Water Development Board's Drinking Water State Revolving Fund in order to be able to better serve their customers and improve the overall performance, reliability, and redundancy of their water distribution system. Proposed projects include, but are not limited to: pressure zone expansions to address identified low pressure zones throughout the system and improve the level of service for customers; infrastructure relocation projects; capacity and performance improvements projects to treatment facilities and the distribution system; and looping and gridding throughout the system to improve redundancy, reliability, and resiliency.	DC	\$23,500,000.00	30%			
36	32	14046	Breckenridge	M	TX2150001	5,800	The City desires to install improvements/upgrades at the WTP and raw water intake structure. In addition, the City is planning to rehabilitate various portions of the distribution system in order to reduce the number of water line leaks/breaks that have resulted in numerous boil water notices.	PDC	\$4,743,000.00	30%	Yes-BC	\$2,922,000.00	13438
37	31	14020	Daingerfield	M	TX1720001	4,047	Install a new elevated storage tank chemical dosing, and pressure maintenance facility. Upgrade linework and valves.	PDC	\$3,351,000.00	30%			13399
38	30	13996	De Kalb	M	TX0190001	1,593	Groundwater Supply and Water Distribution Improvements	PADC	\$7,174,000.00	50%	Yes-BC	\$4,720,000.00	
39	30	14145	Hidalgo	M	TX1080021	12,200	Proposed Construction of 5.0 MGD Surface Water Treatment Plant	PADC	\$13,300,000.00	30%			
40	30	14093	Athens	M	TX1070005	12,777	Installation of back-up generator for the Lake Athens Water Treatment Plant	C	\$557,390.00	30%			

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<b>Public Water System</b>													
41	30	13987	Laguna Madre WD	D	TX0310005	15,022	Water Treatment Plant No. 1(WTP No. 1) is currently out of service due to lower quality effluent production with water demands provided for solely by Water Treatment Plant No. 2 (WTP No. 2), which cannot meet present day maximum water demands during the summer with existing firm capacity. The District has identified improvements to WTP No. 1 that are necessary to increase treatment capacity from 2.9 MGD to 5.0 MGD, upgrade treatment units to match water quality from WTP No. 2 and replace equipment past the end of their service life, and provide system resiliency should one of the treatment plants need to be taken offline, or should a water main break occur.  Additionally, project includes the decommissioning of two (2) existing elevated storage tanks (ESTs) in poor condition and installation of a single new 0.60 MG EST.	PDC	\$24,434,459.00				
42	25	14062	Leonard	M	TX0740005	2,481	improvements to the existing water system, piping, pumps, tanks	PADC	\$8,479,050.00	50%			
43	24	14037	Dawson	M	TX1750003	767	The purpose of this project is to replace/upsized undersized water mains that are causing issues within the system. Replacement of ex. valves and installation of new valves are also needed throughout for better operation and maintenance of the overall system.	PDC	\$300,000.00	50%			
44	24	14155	Oak Grove WSC	W	TX0190014	921	Riverbend Regional Water System	ADC	\$1,420,000.00		Yes-BC	\$497,000.00	
45	24	14054	Port Arthur	M	TX1230009	54,864	Water Line Improvements	DC	\$16,500,520.00	30%			13416
46	23	14141	Shamrock	M	TX2420001	2,430	Shamrock desires to replace the transmission pipeline that carries water from the North Well Field to the distribution system, replace ground storage tanks in both the West and North Well Fields, replace a portion of the existing distribution system and construct a new elevated storage tank.	PADC	\$16,955,200.00	50%	Yes-BC	\$11,835,000.00	13498
47	23	14001	Baytown	M	TX1010003	76,635	Replace of 16-inch asbestos-cement water line, which is experiencing high failure rate.	C	\$3,072,300.00				
48	23	14052	Richland Springs	M	TX2060002	350	replacement and upgrade of 25 miles of pipeline	PDC	\$3,824,200.00	70%			13458

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<b>Public Water System</b>													
49	23	14050	Mertzon	M	TX1180002	700	As a result of the recent historic ongoing drought, the City's water supply is still depleted. The City currently has five (5) functional groundwater wells (of the original eight), caused by continual pumping during the ongoing drought, and is in the process of obtaining approval for a new sixth well. The City has observed a steady decrease in production from its wells over the past several years, to the point that three of the original eight wells are essentially "dry" at this time. As the water supply has dwindled, the quality of the water no longer meets secondary drinking water quality standards. In order to support current water supply needs with water that meets current drinking water quality standards, the City of Mertzon is pursuing implementation of a major project to install a treatment system to address the City's groundwater quality issues.	PDC	\$3,808,000.00	50%	Yes-BC	\$3,224,000.00	13440
50	23	14016	Gordon	M	TX1820007	744	Water treatment plant improvements including clarifier replacement, plant piping, SCADA, and distribution line replacements.	PDC	\$2,135,000.00	50%	Yes-BC	\$625,000.00	
51	23	14080	Spur	M	TX0630012	1,100	Replacement of various portions of the City's potable water distribution pipeline system, valves, and fire hydrants.	PDC	\$2,321,000.00	50%	Yes-BC	\$2,321,000.00	
52	23	14064	Albany	M	TX2090001	2,034	The proposed project includes improvements at the Water Treatment Plant to address aging infrastructure including replacement of existing membrane system trains, chemical system improvements, high service pump station improvements, electrical, SCADA, and Instrumentation and controls improvements.	PDC	\$3,034,000.00	30%	Yes-BC	\$400,000.00	
53	23	14085	Hudspeth Co WCID # 1	D	TX1150007	2,141	Improvements on the existing transmission line and the creation of a new well field, including a booster pump station, ground storage tank, chlorination system, and appurtenances to be tied into the existing transmission line.	PADC	\$6,150,000.00	50%			13424
54	23	14143	Orangefield WSC	W	TX1810186	6,531	The proposed project water system improvement will eliminate the use of private drinking water wells and address the human health needs by eliminating potential risks to public health and safety caused by the unsatisfactory water quality.	PADC	\$9,300,000.00				

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<b>Public Water System</b>													
55	23	14144	Crockett	M	TX1130001	6,616	Rehabilitation of existing water lines along SH7 and SH21 between the downtown are and the east loop. Existing lines are failing due to age causing numerous leaks. Leaking water lines contribute to overall water loss and pavement repairs to TxDOT maintained roadways.	PDC	\$4,365,300.00	30%			13490
56	23	14074	Eastland Co WSD	D	TX0670019	10,100	Re-clear the pipeline ROW and replace the existing raw water transmission pipeline with a new fusion-welded, high-density polyethylene (HDPE) pipeline.	PDC	\$4,303,000.00	50%	Yes-BC	\$4,303,000.00	
57	22	14140	La Villa	M	TX1080023	2,781	Proposed project is intended to help meet water demand for future upcoming development.	PADC	\$10,185,000.00	70%			
58	22	14065	El Paso Co WCID # 4	D	TX0710018	5,736	The existing water distribution system piping on Elam Subdivision has ruptured several times in the past and is prone to leaks. The system also has physical deficiencies such as non-functional valves and a lack of additional isolation valves and curb stops. Under this project, the Fabens Water District (EPCWCID #4) proposes to abandon the existing distribution system in place and furnish and install approximately 6,100 LF of new 6-inch PVC C900 piping, including all related appurtenances and 2,000 LF of 6-inch PVC C900 pipe for the loop system adjacent to railroad tracks including all related work and appurtenances.	PDC	\$1,996,669.00	50%	Yes-BC	\$1,996,669.00	
59	22	14070	El Paso Co WCID # 4	D	TX0710018	5,736	Per TCEQ requirements, the minimum pressure throughout a system during a transient event (power outage) must be greater than 20 psi. A surge evaluation of the existing I-10 booster station indicated that the system's pressure dropped below the minimum TCEQ required pressure of 20 psi during a power failure event. Per TCEQ requirements, the El Paso County Water Improvements District #4 (EPCWCID #4) requires an elevated storage capacity of 100 gallons per connection or a pressure tank capacity of 20 gallons per connection to meet this requirement. Under this project, the EPCWCID #4 proposes installing a new 120-gallon bladder tank to meet the pressure requirements in the event of a power failure event specified by TCEQ.	PDC	\$174,896.00	50%			

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<b>Public Water System</b>													
60	21	14129	Agua SUD	D	TX1080022	69,095	The Agua SUD is requesting funding from the Texas Water Development Board in order to Rehabilitate the FM 492 Water Treatment Plant Rapid Mix.	C	\$182,500.00	50%	Yes-BC	\$25,000.00	
61	21	14084	Mount Calm	M	TX1090005	331	The existing elevated is out of plumb and needs to be corrected. The tank is currently out of service.	PDC	\$700,000.00	50%			
62	21	14026	Granger	M	TX2460002	1,119	The project includes the rehabilitation of the City's pump station, south well, elevated storage tank supply pipe and overflow drain pipe, Hwy. 95 and UP railroad steel encasement by bore, replacement of water lines, valves and fire hydrants. A new filtration system will be installed for the removal of iron and manganese from the groundwater. Generators will be installed at the water plant. An asset management plan will be prepared according to TWDB and TCEQ requirements.	PDC	\$4,298,801.00	30%			13401
63	21	14025	Grand Saline	M	TX2340003	3,115	Rehabilitate existing elevated storage tank and upgrade the existing water distribution system. Hydraulic Water Modeling.	PDC	\$1,277,250.00	30%			
64	21	13990	Hamilton	M	TX0970001	3,200	Replacement of water lines that are in poor condition throughout the city.	PDC	\$2,173,063.00	30%			
65	21	14061	Wills Point	M	TX2340005	3,889	The City of Wills Point has a 12 inch raw water supply line which supplies water from the intake on Lake Tawakoni to the City's Water Treatment Plant. The raw water transmission line, the raw water intake pump station, and the in-line booster pump station are in need of repairs, upgrades, and replacements. The purpose of this project is to replace 38,400 linear feet of 12 inch raw water transmission line from the Lake Tawakoni Intake to the City of Wills Point Water Treatment Plant, make upgrades to the raw water intake pump station, and make upgrades to the in-line booster pump station in order to provide reliable raw water to the City's Water Treatment Plant.	PDC	\$5,585,000.00	50%			13398
66	20	13989	Ericksdahl WSC	W	TX1270005	274	Ericksdahl WSC has a history of high of TTHM levels and water loss. The proposed project will include tank mixing, disinfection improvements, water line replacement, and automatic meter reading system to reduce TTHMs and water loss.	PADC	\$1,420,000.00	50%	Yes-BC	\$140,000.00	
67	20	14042	North Alamo WSC	W	TX1080029	963	Transmission System Improvements for Hargill	C	\$827,000.00	30%			

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<b>Public Water System</b>													
68	20	14136	Santa Anna	M	TX0420002	1,099	Replacement of various portions of the City's potable water distribution pipeline and valves.	PDC	\$1,093,000.00	30%			13386
69	20	14007	Athens	M	TX1070005	12,777	S19 waterline replacement from College Street to Ben Belt Drive and Edmonson waterline improvements from N Prairie Street to Cream Level Road.	PDC	\$1,329,972.00	30%			13485
70	20	14103	Laguna Madre WD	D	TX0310005	19,908	The proposed project consists of improvements to Long Island Village (LIV) Water Distribution system located within Laguna Madre Water District (LMWD) service area.	PDC	\$6,649,606.50	30%			
71	20	14110	Greater Texoma UA	D	TX0910006	41,567	GTUA/City of Sherman Water System Improvements	PDC	\$8,403,500.00				
72	20	14006	Odessa	M	TX0680002	169,416	The proposed project elements include replacement of the plant 1 flocculation and sedimentation basins, rehabilitation and upgrade of disinfection facilities, new chemical feed and storage facilities, rehabilitation of all filters along with SCADA and electrical improvements.	C	\$100,000,000.00				13810
73	19	14119	Bridge City	M	TX1810001	7,961	This project will provide for the construction of a new water well located on Roberts Avenue and also provide for the relocation of an existing 65,000 gallon ground storage tank.	PDC	\$7,136,905.00				
74	18	14012	Denton	M	TX0610002	131,712	Ray Roberts Water Treatment Plant Rerate, Performance, and Regulatory Improvements and Regulatory Improvements project provides for improvements to improve the operational performance, process reliability, and redundancy for the facilities.	C	\$27,176,000.00				
75	17	14027	Dog Ridge WSC	W	TX0140044	776	Upsize existing water mains in the Sherwood Shores area.	PADC	\$1,313,000.00	30%	Yes-BC	\$120,000.00	13405
76	17	14066	El Paso Co WCID # 4	D	TX0710018	5,736	The existing Cypress Well has been drilled but is currently not equipped. When in service, the Cypress Well will have a 900 GPM capacity. Under this project, the Fabens Water District (EPCWCID #4) proposes to fully equip Cypress Well #6, including furnishing and installing a new well pump and motor, a Well building and canopy, discharge piping, valves, flow meter, electrical and instrumentation systems, generator with ATS, site grading, and a new access roadway and driveway.	PC	\$780,829.00	50%			
77	16	14164	Haciendas Del Norte WID	D	TX0710091	1,148	Replacement of 14,900 linear feet of 12-inch diameter waterline along Desert Willow Drive and vital isolation valves within Haciendas del Norte Units 1 and 2, El Paso County, Texas and preparation of asset management plan.	PDC	\$2,533,191.00				

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<b>Public Water System</b>													
78	15	14045	Evadale WCID # 1	D	TX1210011	963	Evadale WCID#1 has recently lost part of its production wells due to mechanical failure and their water lines are deteriorating and undersized. This project will provide additional production capacity and replace deteriorated distribution lines.	PDC	\$959,999.90				12993
79	15	14004	Covington	M	TX1090021	570	The purpose of this project is to replace/upsized undersized water mains to improve water flow/pressure. Covington is experiencing between 25-35% water loss in any given month.	PDC	\$300,000.00				
80	14	14107	McAllen	M	TX1080006	143,258	This Project consists of facility improvements at the Northwest Water Treatment Plant such as to increase Capacity by a minimum of 10 MGD. The current plan is to install a parallel treatment train that will essentially double capacity of the North Water Treatment Plant.	C	\$22,500,000.00				
81	14	14083	Westbound WSC	W	TX0670027	2,748	Westbound WSC has substantial head loss through smaller diameter water lines, a lack of production water in certain pressure planes, limited capability to control and monitor the distribution system remotely, two pump stations that are old and hydraulically undersized, in addition to very limited emergency back up power. After the proposed improvements have been constructed, the above mentioned issues should be resolved.	PDC	\$3,685,000.00				
82	14	14079	Santo SUD	D	TX1820010	2,775	The proposed project includes improvements to various portions of the water system to bring the system into compliance with TCEQ requirements and provide capacity for future growth. An asset management plan will be prepared as part of this project.	PDC	\$9,866,000.00		Yes-BC	\$9,866,000.00	
83	14	14028	Dog Ridge WSC	W	TX0140044	4,830	Installation of SCADA system, meter replacement, and mapping software with a GPS system. The WSC also plans to rehabilitate two elevated water storage tanks.	PDC	\$3,483,000.00	30%	Yes-BC	\$320,000.00	13404
84	14	14049	Eden	M	TX0480001	2,766	The City desires to install improvements at the water supply well sites and to install a redundant cooling tower for operational flexibility.	PDC	\$2,340,000.00	50%			13439
85	14	14108	Becker-Jiba WSC	W	TX1290011	3,547	300,000 gallon Single Pedestal Elevated Water Storage Tank for extra storage and waterline extension.	PDC	\$2,567,000.00				
86	14	14013	Hidalgo Co MUD # 1	D	TX1080088	8,200	The district requires a 500,000 gal elevated storage tank to meet state requirements	PADC	\$2,150,000.00	30%			



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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Requested Phase(s)	Total Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>													
87	13	13999	Carl's Corner	M	TX1090070	199	The city's water well only produces 10 gallon per minute to serve 76 connections. This amount is woefully short of the TCEQ requirement of 0.6 gpm per connection. The city desires to increase its water supply by constructing a new water well, or if necessary to obtain other adequate water supply or emergency interconnection.	DC	\$1,016,900.00				
88	13	13993	Groveton	M	TX2280001	1,094	System Study and Water Distribution Line Replacements	PDC	\$2,165,000.00	30%			
89	13	14033	Alto	M	TX0370001	1,280	Remove and replace existing aged and deteriorated waterlines within the distribution system as well as rehabilitate existing deteriorated Ground Storage Tanks and Elevated Storage Tank.	PDC	\$1,872,000.00	50%			
90	13	14137	Baytown	M	TX1010003	76,635	Replacement of 16-inch asbestors-cement water line	C	\$6,721,000.00				
91	13	14122	Green Creek WSC	W	TX0720028	460	The WSC proposes to install a pump station with disinfection facilities. The WSC received a violation from the TCEQ for failure to provide a maximum hourly purchase rate of at least 2.0 gallons per minute (gpm) per connection. The WSC currently purchases treated wholesale water from the City of Dublin who also provides direct pressure to the WSC's water system. The WSC proposes to install a pump station and storage facility in order to provide a capacity of 0.6 gpm per connection.	PADC	\$750,000.00	70%	Yes-BC	\$750,000.00	13423
92	13	14068	Balморhea	M	TX1950002	610	Installation of control and remote monitoring equipment in key locations along the drinking water transmission and distribution lines.	PDC	\$300,000.00				
93	13	14039	Colorado Co WCID # 2	D	TX0450014	615	100,000 gallon elevated storage tank, new chlorination facilities, and upgraded well pumps and controls.	C	\$1,150,000.00	30%			
94	13	14053	Jackson Co WCID # 1	D	TX1200003	819	New Water Well, Ground Storage Tank, & Booster Pumps	DC	\$788,200.00				
95	13	14167	Palm Valley	M	TX0310027	1,706	Palm Valley Water Distribution System Improvement projects	DC	\$12,111,005.00				
96	13	14135	Stephens Regional SUD	D	TX2150007	3,173	SRSUD is proposing water system improvements to address growth in the distribution system by expanding the distribution system to areas which are currently unserved.	PDC	\$1,093,000.00	30%	Yes-BC	\$1,093,000.00	
97	13	14121	Keene	M	TX1260008	6,266	Replace approximately 16,000 linear feet of 2-inch through 8-inch water line. Install a new well and pump station facilities.	PDC	\$3,100,000.00		Yes-BC	\$3,100,000.00	13472



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<b>Public Water System</b>													
98	13	14094	Roma	M	TX2140007	19,123	The City is addressing the need for Phase I (6 MGD) of a new water treatment plant (WTP) to serve City of Roma residents and fully comply with all water treatment regulations. The City's existing WTP was partially rehabilitated in the late 1990s and has reached the end of its useful life and requires replacement.	PDC	\$6,000,000.00	50%	Yes-BC	\$6,000,000.00	13446
99	13	14100	Abilene	M	TX2210001	121,994	This project involves the replacement of existing water lines, the installation of new water lines, the construction and/or rehabilitation of pump stations, and storage tanks.	PADC	\$89,500,000.00				13437
100	12	14067	El Paso Co WCID # 4	D	TX0710018	5,736	The existing meters at the El Paso County Water Improvements District #4 (EPCWCID #4) are manual and rely largely on manpower for water usage reading collection. Some of the existing meters are also malfunctioning. Under this project, the EPCWCID #4 proposes replacing the existing metering and billing system and furnishing and installing 1,932 new digital meters, electronic equipment for meter reading, and software for billing throughout the water distribution system. The meter replacement project seeks to provide benefits that result in water loss reduction and allow for a more accurate and efficient water usage data collection and, ultimately, better customer service.	PDC	\$869,671.00	50%	Yes-BC	\$869,671.00	
101	12	14069	El Paso Co WCID # 4	D	TX0710018	5,736	The existing I-10 Ground Storage Reservoir controls the raw water feed quality to the existing Fe/Mn filters and Reverse Osmosis facility and provides storage if the Wells become non-operational. The reservoir is currently not in use due to tank structural defects. Under this project, the Fabens Water District (EPCWCID #4) proposes to demolish the existing 0.5 MG steel reservoir, including foundation and piping, and replace it with a new 0.25 MG steel reservoir, including foundation, piping, cathodic protection system, fencing, and site grading.	PDC	\$895,280.00	50%			
102	12	14058	Slaton	M	TX1520004	6,077	The City of Slaton is proposing the installation of an AMI system throughout their distribution system as well as the installation of a new elevated storage tank.	PDC	\$4,604,000.00	30%	Yes-BC	\$4,604,000.00	13441
103	11	13995	Wellborn SUD	D	TX0210016	22,000	The District plans to add two water supply wells for additional water supply capacity with water transmission lines, ground storage and pump station, and distribution lines to increase distribution system capacity.	PADC	\$43,304,491.00				

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<b>Public Water System</b>													
104	11	14151	Green Acres Mobile Home Park	P	TX0710066	300	Green Acres / Riverview project to install Isolation Valves and Flush Hydrants to allow better management of water and prevent full loss of system water during repairs.	C	\$92,500.00				
105	11	14005	Old Tamina WSC	W	TX1700110	507	Upgrades to existing water meters and master water meter; replacement of hydrotanks and rehabilitation of ground storage tank; installation of new isolation valves and replacement of existing flush valves	PADC	\$195,030.00	50%			13478
106	11	14030	East Texas MUD of Smith County	D	TX2120005	2,661	Water Planning and System Improvements	PDC	\$2,697,225.00				13436
107	11	14021	Dean WSC	W	TX2120009	5,847	Construction of a new elevated storage tank at an existing pump station.	PDC	\$2,858,500.00				
108	11	14148	Athens	M	TX1070005	12,777	The City of Athens needs to implement an asset management plan. Also included in this project is the design and installation of a SCADA system for the City's utility system.	PDC	\$828,000.00	30%		\$578,000.00	
109	10	13988	Melvin	M	TX1540003	184	This project involves the installation of an AMR meter system, the recoating and repair of an existing ground storage tank and the installation of new waterlines.	PDC	\$400,000.00	50%	Yes-BC	\$65,000.00	13388
110	10	14088	Study Butte WSC	W	TX0220035	196	This project involves the replacement of an existing ground storage tank and the replacement of existing water lines and valves.	PDC	\$500,000.00	70%			13393
111	10	14015	Moran	M	TX2090002	355	Water Line Replacement	PDC	\$340,000.00	70%	Yes-BC	\$300,000.00	13422
112	10	14086	Rochester	M	TX1040002	464	This project involves the drilling of a new water well, the installation of an AMR meter system and the installation of water line and the replacement of old water line.	PDC	\$500,000.00	70%	Yes-BC	\$75,000.00	13467
113	10	14097	Rule	M	TX1040003	540	This project involves the replacement of old cast iron lines with new lines and the installation of an AMR meter system.	PDC	\$400,000.00	50%	Yes-BC	\$110,000.00	13470
114	10	14023	Knollwood	M	TX0910146	590	This project will include replacing/improving undersized water mains in the City and installing new isolation valves to improve operation and maintenance.	PDC	\$300,000.00				
115	10	14075	Loraine	M	TX1680002	602	Replacement of various portions of the City's potable water distribution pipeline and valves.	PDC	\$2,177,000.00				
116	10	14124	Lone Oak	M	TX1160006	786	The City of Lone Oak is experiencing issues with various water lines in their system due to undersized lines and dead-ends.	PDC	\$500,000.00		Yes-BC	\$500,000.00	13430
117	10	14102	Cross Plains	M	TX0300003	1,035	The City of Cross Plains proposes to replace undersized lines and loop dead end areas in their system.	PDC	\$1,200,000.00	30%			13464

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<b>Public Water System</b>													
118	10	14125	Grapeland	M	TX1130002	1,489	New industry developments in the City require additional supply and storage.	PDC	\$3,221,000.00	50%			13394
119	10	14000	Grandview	M	TX1260004	1,841	This project consists of installing two new water wells, replacing deteriorated distribution lines and installing a new backup generator at the elevated storage tank site.	PADC	\$2,930,000.00	30%	Yes-BC	\$1,100,000.00	
120	10	14109	Holiday Beach WSC	W	TX0040015	1,852	Water Line Improvements	PDC	\$1,400,000.00	30%			
121	10	14073	Meeker MWD	D	TX1230004	3,550	Proposed groundwater well; production facilities including high service pumps, ground storage tanks, chemical feed systems, electrical facilities etc., and water line extensions necessary to connect new well to existing system.	PADC	\$6,504,000.00				13412
122	10	14117	San Diego MUD # 1	D	TX0660003	4,753	Rehabilitation of the existing elevated and ground storage for the San Diego MUD facilities.	PADC	\$2,290,000.00	50%			
123	10	14170	Hidalgo	M	TX1080021	12,200	0.5 MG Elevated Tank Replacement Project	PDC	\$4,477,000.00	30%			
124	10	14156	San Benito	M	TX0310007	24,371	City of San Benito Proposed Water System Improvements	PDC	\$2,941,264.00	30%			
125	10	14131	Agua SUD	D	TX1080022	69,095	The Agua SUD is requesting funding from the Texas Water Development Board in order to replace deteriorating infrastructure and improve efficiency to the Abram Water Treatment Plant Recovery and Waste Process.	PDC	\$1,087,682.00	50%	Yes-BC	\$330,000.00	
126	10	14146	Lower Valley WD	D	TX0710154	93,061	This area is currently being served by an undersized and dilapidated water system. In addition, LVWD is proposing to upgrade the size of the main distribution system to improve pressure.	PDC	\$1,853,491.00				
127	10	14149	Lower Valley WD	D	TX0710154	93,061	This area is currently being served by an undersized and dilapidated water system. In addition, LVWD proposes to upgrade the size of the main distribution system to improve pressure and bring dependable water source to Mesa Del Norte, Lourdes Estates and El Conquistador colonias (416 households/1,539 residents).	PDC	\$2,346,725.00				
128	10	14150	Lower Valley WD	D	TX0710154	93,061	This area is currently not served by the District's water system. LVWD propose to install a 12" or larger pipe to the main distribution system to expand services to unserved areas and improve pressure.	PDC	\$17,331,795.00				

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<b>Public Water System</b>													
129	10	14152	Lower Valley WD	D	TX0710154	93,061	This project's focus is to provide first-time water services to areas that are not being served. Also, this project will help extend and expand water services by adding water lines and will help the District's water system by creating redundancy by eliminating dead ends in the system which will help the District from flushing this water out of the system.	PDC	\$10,412,000.00				
130	7	14038	Mabank	M	TX1290005	12,975	The demands of the City's water service area are taxing the capacity of the PWS. Upgrades to the WTP, transmission lines, and added storage capacity are proposed to keep the City in compliance and to meet the needs of the occurring growth in the City.	PDC	\$15,806,700.00				
131	7	14091	Reno	M	TX1840049	2,900	Design and construction of a new 0.5MG elevated storage tank and onsite well to fill the tank. SCADA will be included to monitor the hydraulics and fill rates. A master plan which includes an asset management plan will be developed to prioritize the system needs.	PADC	\$3,550,000.00		Yes-BC	\$2,000,000.00	
132	6	14035	Stryker Lake WSC	W	TX0370033	908	New water plant with ground storage tank, high service pump station and treatment. Replace aging water line.	PDC	\$1,427,900.00				13391
133	5	14002	Fulshear	M	TX0790133	16,311	A new 4.0 MGD supply and 5.75 MGD pumping station with 3.0 MG ground storage.	C	\$25,381,210.00				
134	5	14115	McAllen	M	TX1080006	143,258	McAllen Public Utility proposes to install large diameter transmission lines such as to improve efficiency of water delivery throughout the service area. This loan will also be used to fund the construction of a new elevated water storage tower.	C	\$6,750,000.00				
135	4	14040	Blum	M	TX1090007	434	The purpose of this project is to replace/upsized undersized water mains and replace non-working isolation valves.	PDC	\$300,000.00				
136	4	14139	Marsha WSC	W	TX2270040	680	Marsha WSC is experiencing major and consistent water loss in the distribution system. In order to prevent these losses, the PWS will need to replace water lines and replace meters. The system also needs to replace lines to accommodate fire flow.	PADC	\$5,571,400.10		Yes-BC	\$1,166,970.00	

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<b>Public Water System</b>													
137	4	14076	Lake Palo Pinto Area WSC	W	TX1820069	1,932	This project is targeted mainly at making distribution system improvements to bring the system in compliance with TCEQ minimum line size requirements (30 TAC ?290.44(c)). It also includes pump station improvements to eliminate an existing inline booster pump station, and replace old infrastructure, provide better pressure maintenance for areas of the existing system, and provide operational flexibility through SCADA improvements and piping insulation at the Water Treatment Plant.	PDC	\$5,803,000.00		Yes-BC	\$5,763,000.00	13444
138	3	14011	Westhaven WSC	W	TX0460050	185	Repairs and upgrades to Well #1 which is 60 years old; shut-off valves at the ends of streets; replace all water meters with AMI meters to reduce water loss figures. Develop an asset management plan to include asset management training.	PDC	\$606,727.00		Yes-BC	\$60,000.00	
139	3	13994	Montgomery Co UD # 4	D	TX1700286	3,804	New water well, transfer line, and booster pumps to serve Montgomery County Utility District 4 (UD4 or the "District") to meet minimum TCEQ and City of Conroe design standards for separation from Montgomery County Utility District 3 (UD3).	DC	\$2,835,000.00				
140	3	14096	Bluegrove WSC	W	TX0390014	70	This project involves the construction of a new pump station and the replacement of water distribution line to help with water loss.	PDC	\$300,000.00				13415
141	3	14175	Mooreville WSC	W	TX0730015	142	Mooreville WSC Pump Station & Water Distribution System Improvements	PADC	\$2,625,580.00				13367
142	3	14105	Umbarger Community WSC	W	TX1910024	180	Water System Improvements This project involves the installation of a new water well and supply line as well as the treatment for the new water supply.	PADC	\$500,000.00				13382
143	3	14087	Rochelle WSC	W	TX1540004	372	This project involves the rehabilitation of existing ground storage tanks, the replacement of old waterlines and the replacement of existing meters with an AMR meter system.	PDC	\$300,000.00		Yes-BC	\$75,000.00	13419
144	3	14163	Upton Co WCID # 1 Rankin	D	TX2310027	744	Upton County Water District, Rankin Well Well Field, required additional water wells to meet primary drinking water standards.	DC	\$4,455,000.00				
145	3	14019	Tioga	M	TX0910007	1,366	The project involves constructing a new high service pump station, 500,000-gallon elevated storage tank, 250,000-gallon ground storage tank, a 400 gpm water well, and line extensions to connect the elevated storage tank into the distribution system.	PADC	\$8,459,053.00				
146	3	14142	Magnolia	M	TX1700020	2,688	Water System Improvements	PADC	\$12,000,000.00				13380

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<b>Public Water System</b>													
147	3	14043	South Newton WSC	W	TX1760022	3,800	This project will provide improvements to South Newton's water plants to improve operation of the distribution system, add backup power, and an additional elevated storage tank at water plant for pressure stabilization.	PDC	\$2,462,209.00				
148	3	14029	Brenham	M	TX2390001	17,123	The proposed project includes testing of an existing well that is currently not being used to see if it is able to be reinstated. It also includes analyzing the addition of up to four well sites to have as an emergency groundwater supply.	P	\$287,100.00				
149	3	14116	McAllen	M	TX1080006	143,258	This Project consists of improvements to existing Back-up Power facilities at both our South and Northwest Water Treatment Facilities.	C	\$2,812,500.00				
150	2	14132	Graford	M	TX1820003	830	Replace existing water lines, install a SCADA System and radio read meters	PDC	\$750,000.00		Yes-BC	\$750,000.00	13474
151	2	14123	Parker WSC	W	TX1260021	3,000	The WSC wants to improve their water distribution system to better service customers with sufficient pressure and disinfectant residuals.	PDC	\$3,300,000.00		Yes-BC	\$3,300,000.00	13428
152	2	14157	Dish	M		426	Investigate the feasibility of establishing a PWS and acquiring a/dual certified CCN area.	P	\$400,000.00				
153	2	14071	Nolanville	M		5,496	Replace water lines with code compliant	PDC	\$2,196,000.00				
154	1	14008	Willow Park	M	TX1840027	6,323	The project consists of a water transmission line, water distribution line replacement, two new elevated tanks, elevated tank recoating, and appurtenances.	PADC	\$6,350,000.00		Yes-BC	\$650,000.00	13407
155	1	13992	New Fairview	M		1,347	The City does not currently own public water infrastructure nor provide water to anyone. At present, small water supply corporations provide water to residences and businesses that do not have private groundwater wells within the city. However, these small co-ops are unable to meet the demands of growth occurring within the City. Therefore, the City wishes to obtain a CCN and construct infrastructure for providing public water to meet the needs of the City moving forward.	PADC	\$58,765,000.00				
156	1	14089	Rhome	M	TX2490007	1,813	Ground storage tank improvements, Water well and SCADA improvements, FM 3433 disinfection booster system, and Well No. 6 radium treatment	PDC	\$1,945,650.00				
157	1	14031	Crescent Heights WSC	W	TX1070016	1,935	A new public water supply well and elevated storage tank	PADC	\$2,705,000.00				13414

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<b>Public Water System</b>													
158	1	14036	Fulshear	M	TX0790133	16,311	This project includes the construction of a new 1.0 MG elevated storage tank to serve growth in the City of Fulshear water system.	C	\$3,364,725.00				
159	1	14077	Ennis	M	TX0700001	21,203	Design and Construct a new Elevated Storage Tank with associated piping for the City of Ennis	PDC	\$3,700,220.00				
160	1	14078	Ennis	M	TX0700001	21,780	Remove and replace existing old, undersized, and deteriorating waterlines with a new larger diameter waterline.	PDC	\$2,987,600.00				
161	0	14120	Tri-Try WSC	W	TX2170004	88	This project includes the construction of a new pump station for the WSC.	PDC	\$300,000.00				13510
162	0	14090	Harrold WSC	W	TX2440002	141	Install a new supply line and repair the existing elevated storage tank	PDC	\$300,000.00				13426
163	0	14101	Trent	M	TX2210009	269	This project involves the replacement of old existing water lines that are prone to breaking and leaking with new pvc water line.	PDC	\$300,000.00				13500
164	0	14009	Montgomery Co FWSD # 6	D	TX1700142	373	Improvements to the Montgomery County Fresh Water Supply District No 6 (MCFWSD6 or the "District") water plant and distribution system to meet minimum TCEQ and City of Conroe design standards for existing and future demands.	DC	\$1,211,348.00				
165	0	14082	Freer WCID	D	TX0660002	2,686	This project consists of constructing one (1) composite elevated tank, removing once (1) standpipe, rehabilitation one (1) ground storage tank, acquiring 1,000 water meters, and upgrading SCADA system.	PDC	\$3,856,524.00				
166	0	14095	Reno	M	TX1840049	2,900	Water system analysis with a masterplan to identify and prioritize the system needs. Design and construction of waterlines and other facilities will be included in this project.	PDC	\$7,750,000.00		Yes-BC	\$6,150,000.00	
167	0	14014	Olney	M	TX2520003	3,200	Rehabilitation or new construction of the existing water treatment plant.	PADC	\$10,330,000.00				13505



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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Requested Phase(s)	Total Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>													
168	0	14128	Willow Park	M	TX1840027	6,323	The project consists of the installation of 18" and 16" water supply lines along IH20 and pump station and storage improvements. The current request is for funding of cost overruns.	C	\$7,287,080.00				
169	0	14032	Marshall	M	TX1020002	23,449	Replace Existing Raw Water Main	PDC	\$8,579,000.00				13413
170	0	13998	San Antonio Water System	M	TX0150018	1,857,779	This project, Phase 9 in the multi-year pump station improvements program, will evaluate and replace high service pumps, well pumps, and electrical and SCADA equipment at the Marbach pump station.	C	\$20,139,290.00				
171	0	14092	San Antonio Water System	M	TX0150018	1,857,779	Replace high service pumps, electrical gears, instrumentation and and controls, SCADA, valves, motors, disinfection and fluoride system, cathodic protection, and other miscellaneous improvements.	C	\$22,918,170.00				
<b>Public Water System Total</b>		<b>171</b>							<b>\$1,192,938,220.52</b>	<b>77</b>	<b>42</b>	<b>\$101,825,810.00</b>	
<b>Total</b>		<b>171</b>							<b>\$1,192,938,220.52</b>	<b>77</b>	<b>42</b>	<b>\$101,825,810.00</b>	

Phase(s): P-Planning; A-Acquisition; D-Design; C-Construction  
Green Type: BC-Business Case; CE-Categorically Eligible; Comb-Project consists of both CE and BC components



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Rank	Points	PIF #	Entity	PWS ID	Population	Project Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>												
1	495	14126	Millersview-Doole WSC	TX0480015	3,579	Treating well water at the source and blending with surface water. The project includes additional water system improvements	PDC	\$2,300,000.00	70%			13427
2	275	14041	Strawn	TX1820005	487	The project includes replacing the existing multi-media filters with new microfilters.	PDC	\$1,627,000.00	70%			
3	195	14024	Angelina & Neches RA	TX0030030	1,043	The proposed project involves the design and construction of a regional water system to serve first time water customers, to consolidate and supply drinking water to several Public Water Systems (PWSs) east of the City of Zavalla along Highway 147 in southern Angelina County and the City of Zavalla. These PWS's primary source of drinking water supply is groundwater, which has historically had water quality and quantity issues. The proposed regional water system will decommission each of the PWS's water production facilities and supply drinking water for existing customers and projected residential and commercial growth.	PADC	\$23,895,045.00	50%			
4	160	14111	Menard	TX1640001	1,562	Major rehabilitation, additions and modifications to the surface water treatment plant and raw water wells to address groundwater under the influence.	DC	\$4,565,000.00	30%			13450
5	154	14130	Sandbranch Development & WSC	Pending	190	Install a water system to an existing development	ADC	\$587,500.00	70%	Yes-BC	\$587,500.00	12486
6	150	14154	Barksdale WSC	TX0690011	210	New Well Exploration to find an aquifer	PADC	\$660,000.00	50%			
7	111	14106	Welch WSC	TX0580013	315	Welch Water Rehabilitation	PADC	\$1,650,000.00				
8	99	14003	La Joya	TX1080213	4,253	The project includes expansion of the Water Treatment Plant, installing two 1,350 gpm pumps, installation of 16,415 LF. of 12-inch pvc pipe and construction of an elevated storage tank.	PADC	\$7,179,200.00	30%			
9	94	13986	M & M WSC	TX0030026	3,189	Disinfection system upgrades and new tank mixers	PDC	\$1,019,000.00	30%			
10	85	14051	Miles	TX2000002	870	The City of Miles (City) proposes to pursue development of an alternative source of water supply to complement its current wholesale water supply. The City needs to identify and evaluate alternative water supply options including development of additional surface water or groundwater supplies as well as potential treatment of its existing groundwater to reduce nitrate and dissolved solids levels to within compliance.	P	\$200,000.00		Yes-BC	\$200,000.00	13431
11	77	14010	La Joya	TX1080213	4,253	Construct new 0.5 MG elevated storage tank and 20,000 LF. of 12 inch transmission line.	PADC	\$7,055,000.00	30%			
12	74	14022	New Summerfield	TX0370028	1,350	Water System Improvements	PDC	\$2,000,000.00				

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**Appendix K. Initial Invited Projects List**

Rank	Points	PIF #	Entity	PWS ID	Population	Project Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>												
13	73	14118	Ellinger Sewer & Water SC	TX0750014	392	Construct new filter system for Arsenic, including new building, piping and electrical. Additionally, construct new yard piping, chlorination system, booster pumps, electrical, generator, fencing and Bluebonnet Electrical Service. Also, move existing pressure tank from existing plant to new plant location including blast/coat pressure tank.	PDC	\$1,448,500.00	30%			13479
14	70	14138	Toyah	TX1950004	113	Installation of Raw Water Chlorination, Chlorine Residual Monitoring, Ammonia Facilities, and Raw Water piping improvements to convert the disinfection system to Chloramines to address DPB.	PDC	\$300,000.00				13406
15	68	14063	Riverside SUD	TX2360010	5,760	Riverside SUD Waterwell Replacement	PDC	\$1,500,000.00				
16	67	14060	Carthage	TX1830001	16,251	The City of Carthage's water treatment plant contains aged equipment performing critical treatment methods within the plant's treatment process. Age of equipment has become noticeable as the performance of equipment has decreased from it's intended purpose. The City of Carthage's elevated storage tanks are in need of rehabilitation as inspection reports have revealed significant corrosion and compromised the structural integrity of parts of the elevated storage tanks.	DC	\$6,000,000.00				
17	66	13997	Mullin ISD	TX1670013	130	Planning and design for a new well, treatment and distribution system to supply municipal and school needs	PADC	\$25,839,530.00				
18	63	14098	Rhome	TX2490007	10,277	This project will allow the City to serve current and future development and meet their long term water supply needs.	PADC	\$26,545,000.00				
19	63	14057	Rowena WSC	TX2000004	480	This project will reduce TTHM levels to gain compliance with the Stage 2 DBP Rule.	PDC	\$4,261,000.00	70%	Yes-BC	\$4,261,000.00	13442

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**Appendix K. Initial Invited Projects List**

Rank	Points	PIF #	Entity	PWS ID	Population	Project Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>												
20	60	14017	Pflugerville	TX2270014	56,558	Since July of 2018 the City of Pflugerville Water Treatment Plant has received numerous TCEQ violations related to the Long Term 2 Enhanced Surface Water Treatment Rule (LT2ESWTR) violations. The WTP expansion is to address these violations.	C	\$66,945,000.00				
21	58	14018	Anthony	TX0710001	3,500	The Town of Anthony will need to construct a 250,000 gallon elevated water tank, rehabilitate existing water wells, replace booster stations, address leaking water lines, install a chlorination control system, replace meters and build arsenic treatment plant in order to provide enough adequate water to the residents.	ADC	\$9,520,963.00	50%			13494
<b>Public Water System Total</b>		<b>21</b>						<b>\$195,097,738.00</b>	<b>11</b>	<b>3</b>	<b>\$5,048,500.00</b>	
<b>Total</b>		<b>21</b>						<b>\$195,097,738.00</b>	<b>11</b>	<b>3</b>	<b>\$5,048,500.00</b>	

Phase(s): P-Planning; A-Acquisition; D-Design; C-Construction  
Green Type: BC-Business Case; CE-Categorically Eligible; Comb-Project consists of both CE and BC components

**Texas Water Development Board**  
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**Appendix L. Initial Invited Green Projects**

Rank	Points	PIF #	Entity	PWS ID	Green Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Subsidized Green
Public Water System											
5	154	14130	Sandbranch Development & WSC	Pending	Provide drinking water to an area without any reliable sources in the most efficient way possible.	ADC	\$587,500.00	70%	Yes-BC	\$587,500.00	X
10	85	14051	Miles	TX2000002	The proposed study will also evaluate the City's current water loss to identify areas of water conservation and areas of reuse potential to reduce daily potable water demands.	P	\$200,000.00		Yes-BC	\$200,000.00	X
19	63	14057	Rowena WSC	TX2000004	The proposed treatment system for reducing TTHMs will result in a reduction of water loss due to extensive flushing.	PDC	\$4,261,000.00	70%	Yes-BC	\$4,261,000.00	X
Public Water System Total		3					\$5,048,500.00	2	3	\$5,048,500.00	
Total		3					\$5,048,500.00	2	3	\$5,048,500.00	

Phase(s): P-Planning; A-Acquisition; D-Design; C-Construction  
Green Type: BC-Business Case; CE-Categorically Eligible; Comb-Project consists of both CE and BC components