

STATE OF TEXAS

# Intended Use Plan

## Drinking Water State Revolving Fund

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



SFY 2019

TEXAS WATER DEVELOPMENT BOARD  
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COVER PHOTO

JJM Development - Site View of Valley Acres Water Treatment Plant

**Drinking Water State Revolving Fund  
SFY 2019 Intended Use Plan**

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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>I 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) 2019, a total of \$250 Million is available under the DWSRF for all financing options including \$30 Million in principal forgiveness. Of the total amount available, \$220 Million will be offered at interest rates of 135 basis points below the borrower's market rate level or at zero percent for special funding categories. These savings directly lower the overall cost of providing safe, affordable water to every customer.

The \$250,000,000 available for SFY 2019 will be allocated to the following funding options:

<b>Funding Option</b>	<b>Allocation</b>
Disadvantaged Community	\$16,000,000
Disadvantaged Community – for Small / Rural only	\$2,000,000
Subsidized Green	\$2,000,000
Very Small Systems	\$3,000,000
Urgent Need – Contaminants	\$3,000,000
Urgent Need – Other than Contaminants	\$4,000,000
Bonds/Loans	\$220,000,000
<b>Total</b>	<b>\$250,000,000</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. After the initial invitation round, the remaining applications for funding under this SFY 2019 IUP will be accepted on a first-come, first-served basis throughout the year until the SFY 2020 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. Maximum allocation of regular Disadvantaged Community principal forgiveness to any entity is limited to 25 percent of the total regular Disadvantaged Community allocation, or \$4,000,000. However, if the Household Cost Factor in excess of the base 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 (Section VI)
2. Sets aside a portion of the Disadvantaged Community funding for Small or Rural Systems only. Provides between \$300,000 to \$500,000 of principal forgiveness and up to \$1,000,000 to \$3,000,000 of zero interest loans (Section VI)
3. Establishes an ongoing cash flow transfer mechanism between the DWSRF and the CWSRF of up to \$125,000,000 of funds derived from repayments (Section X)
4. Beginning in SFY 2020, any survey being used for income determination must be completed within five years of the date the TWDB receives the Project Information Form (PIF) (Section X)
5. The IUP would allow TWDB to provide financing in excess of the initial capacity level of \$250,000,000 (Section X)
6. Maximum allocation of subsidized green funding is limited to \$1,000,000 per project. (Section VI)

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

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

Texas will be eligible for a federal capitalization grant from funds appropriated by Congress for Federal Fiscal Year (FFY) 2018. The TWDB will use the grant, along with other available sources of funds, to provide \$250,000,000 for projects in this SFY 2019 IUP. The sources of funds include the FFY 2018 capitalization grant, unexpended funds from prior grants, 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 subsidies in the form of both below-market interest rates and additional subsidization. The additional subsidization is offered as principal forgiveness 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, or Urgent Need funding.

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

Funding Option	Amount	Principal Forgiveness	Interest Rates	Origination Fee
Disadvantaged Community	\$16,000,000	30%, 50%, or 70%*	135 basis points below market **	2.15%***
Disadvantaged Community – Small / Rural only	\$2,000,000	Maximum amount per project/entity varies from \$300,000 to \$500,000	N/A	N/A
Subsidized Green	\$2,000,000	15% of DWSRF-funded Green Costs	135 basis points below market **	2.15% ***
Very Small Systems	\$3,000,000	Up to \$300,000 per project	N/A	N/A
Urgent Need - Contaminants	\$3,000,000	Maximum amount per project/entity varies from \$500,000 to \$800,000	N/A	N/A
Urgent Need – Other than Contaminants	\$4,000,000	Maximum amount per project/entity varies from \$500,000 to \$800,000	N/A	N/A
Urgent Need – Bond/Loan	\$25,000,000		0%	2.15%
Disadvantaged Community – Small / Rural only – Bond/Loan	\$15,000,000		0%	2.15%
Bond/Loan - Regular	\$180,000,000	N/A	135 basis points below market **	2.15%
* Percentage of DWSRF-funded project costs remaining after subtracting other DWSRF principal forgiveness ** Based on a level debt service schedule *** Not assessed on the principal forgiveness portion				

3. Allocation of Principal Forgiveness:

<b>DWSRF SFY 2019 - Grant of \$87,040,000</b>		<b>% of Grant</b>
<b>Maximum &amp; Minimum - Principal Forgiveness</b>		
Minimum	\$17,408,000	20%
Optional Additional Amount - Disadvantaged Communities Only	\$26,112,000	30%
<b>Maximum</b>	<b>\$43,520,000</b>	<b>50%</b>
<b>Current Allocation of Principal Forgiveness</b>		
Disadvantaged Community	\$16,000,000	18%
Disadvantaged Community - for Small / Rural only	\$2,000,000	2%
Subsidized Green	\$2,000,000	2%
Very Small Systems	\$3,000,000	3%
Urgent Need - Contaminants	\$3,000,000	3%
Urgent Need - Other	\$4,000,000	5%
<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>\$13,520,000</i>	<i>16%</i>
<b>Total Breakdown</b>		
Total Principal Forgiveness Allocated to Projects	\$30,000,000	34%
TWDB Administration & Technical Assistance	\$3,481,600	4%
TCEQ	\$12,244,800	14%
Loans/Bonds	\$41,313,600	47%
<b>Total</b>	<b>\$87,040,000</b>	<b>100%</b>

**VI. Funding Options and Terms**

**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**

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:

<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%

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 2019 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 2019**

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 2019 IUP, with one exception. If the Household Cost Factor in excess of the base 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.

**b. Disadvantaged Community Funding – Small / Rural 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 above.

Maximum Amount of Principal Forgiveness per Project/ Entity	Maximum Amount of 0% Loan per Project/ Entity	Disadvantaged Community - Principal Forgiveness Eligibility Percentage Level
\$300,000	\$1,000,000	30%
\$400,000	\$2,000,000	50%
\$500,000	\$3,000,000	70%

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 2019 with an Interest Rate of Zero Percent

To ensure the long-term viability of the program, the amount of funding made available for under this option with an interest rate of zero percent for SFY 2019 is \$15 Million, or such higher amount as the TWDB Executive Administrator may establish consistent with maintaining the DWSRF in perpetuity and any other appropriate factors.

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 2019 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, 2019 for entities and projects that qualify for this option may be re-allocated to other funding options.

### **c. Subsidized Green Funding**

Entities may 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 2019 includes the planning, acquisition, design and construction phases. Subsidized green funding received by the project in prior IUP state fiscal years will not count against this limit. Additional information may be found in Appendix E.

### **d. Very Small Systems Funding**

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. 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 2019 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. Urgent Need**

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-designated natural disaster; and (5) other situations as established by TWDB guidelines.

Urgent Need projects submitted after the March 3, 2018 project information form submission deadline may be invited in the first round of invitations for 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. 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.

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. 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.

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 2019



is \$25 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. 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. Any commitment receiving Urgent Need funds will be considered non-equivalency funds, even if the project concurrently receives Disadvantaged Community funds.

Urgent Need – Set-aside for purposes other than addressing contamination in excess of water quality standards. The TWDB will set aside \$4,000,000 out of the \$7,000,000 of Urgent Need allocation for SFY 2019 for addressing purposes other than addressing contamination in excess of water quality standards. Reserved funds not allocated by March 1, 2019 for entities and projects that qualify for this set-aside may be re-allocated to projects that address contamination.

#### 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, 2019 for entities and projects that qualify for this set-aside may be re-allocated to other projects that met the Emergency Relief funding criteria.

#### Single-year commitments only

Multi-year funding commitments are not offered for Urgent Need 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 Federal Emergency Management Agency (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.

#### **f. Bond/Loan Funding**

All entities that are 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. All financial assistance will be offered at an interest rate subsidy of up to 135 basis points below market interest rates based on a level debt service schedule.

An origination fee of 2.15 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, 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.

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

Financing may be offered for a term of up to 30 years for the planning, acquisition, design, and/or construction phases for up to 75 percent of available funds according to TWDB determined guidelines and in accordance with the SDWA. The remainder of available funds 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.

### **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.

## **VII. Multi-year Commitments**

In SFY 2019, the DWSRF will offer multi-year commitments up to five years to assist entities that need to fund projects over a period of time. This option will provide a reliable source of capital based on a commitment structure that meets the annual capital requirements of the project. To assist in providing for long-term financial planning, the minimum interest rate reduction (e.g. 135 basis points) for the multi-year commitments will be established and locked for the five-year period based on the interest rate reduction in the IUP for the first year’s commitment. If the interest rate reduction is increased for a particular year during the multi-year commitment period, the entity will receive the benefit of the increased reduction for that year. Similarly, if the loan origination fee is reduced for a particular year during the multi-year commitment period, the entity will receive the benefit of the lower loan origination fee for that year.

This option is only available for projects that do not receive Additional Subsidization in the form of principal forgiveness as a Disadvantaged Community or Disadvantaged Community – Small / Rural only based on the affordability criteria or for Urgent Need. However, the entity receiving a multi-year commitment may receive Additional Subsidization for the other eligible options, such as green subsidy, for the funds committed for the initial year.

Annually, prior to the development of each year’s IUP, any entity receiving a multi-year commitment will be required to re-confirm their anticipated funding needs established with the initial commitment.

## **VIII. Cost Savings Calculation**

The DWSRF program provides lower cost funding that will result in significant savings compared to market-rate financing. The chart below illustrates the estimated savings from using the DWSRF program using TWDB’s methodology for calculating cost savings for new commitments. This example assumes a borrower with an AA market rating receives DWSRF financial assistance of \$10 Million over 30 years with an interest rate reduction of 135 basis points from the market rate.

Funding Option	Cost of Funds	DWSRF - \$10,000,000 borrowed over 30 years	
		Total Principal and Interest Payments over 30 Years	% Savings over Market
Market – Borrower rating of AA	3.05% *	\$15,034,213 **	
DWSRF Program	1.68% *	\$12,786,696	
<b>Savings Using DWSRF *</b>		<b>\$2,247,517</b>	<b>15%</b>

\* Rates were current as of June 19, 2018. The example above is for illustrative purposes only.

\*\* The market amount used for comparison was \$9,789,525.

In this example, the borrower would make approximately \$2.3 million dollars, or 15 percent, less in payments.

## IX. 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. 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.
2. 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.
3. Increase the amount of DWSRF program funding available by leveraging the program as necessary to meet the demand for funding additional drinking water projects.
4. 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.

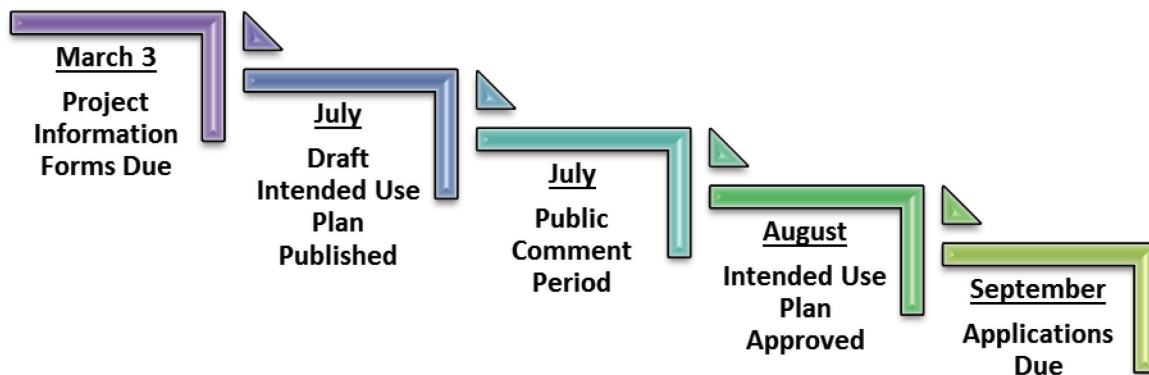
5. Enhance our current level of outreach on the SRF programs by hosting regional financial assistance workshops in conjunction with the continued use of social media.
6. Assist water systems with urgent needs through financial assistance in the form of principal forgiveness and loans with an additional interest rate subsidy from the Urgent Need reserve.

**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.

**X. Participating in the DWSRF Program**

Below are the major steps in the production of the initial IUP for SFY 2019.



## **A. 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 3, 2018.

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.

Beginning in SFY 2020, any survey being used for income determination must be completed within five years of the date the TWDB receives the PIF.

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

For SFY 2019, 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.

## **C. 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. 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)

## **D. 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 3<sup>rd</sup> 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 I IPL 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 I IPL 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 2019. The phases indicated on the I IPL represent the phases deemed eligible based on that review. Projects that were determined to be ready to proceed to construction were included on the I IPL. If an entity is interested in applying for additional phases of the project not listed on the I IPL or not mentioned in the invitation letter, an updated Readiness to Proceed to Construction form must be submitted and an eligibility determination will be made by TWDB prior to the pre-application meeting. For SFY 2019, all projects requesting only loan funds, without any principal forgiveness, will be included on the I IPL.

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 2019 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 2019. 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.

#### **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. 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 on the Initial Invited Projects List

### 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 on the IIPL 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.

## 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 funding options in the next section. **The projects listed on the IIPL that are interested in pursuing funding are encouraged to begin working on their applications upon publication of the draft IUP in order to have a complete application ready to submit after the IUP is approved.** 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 re-allotted 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.

Entities invited for only planning, acquisition and/or design phases but wish to pursue Construction phase funding, may provide an updated Readiness to Proceed to Construction form for review.

Projects may be bypassed if an applicant fails to timely submit a complete application or additional requested information. After the initial invitation period, all other projects on the PPL will be invited and applications will be processed on a first-come, first-served basis, with funding allocations based on the date the application is considered administratively complete.

Applicants may submit a PIF at any time for a project to be considered for inclusion on the amended PPL. Eligible projects will be rated and ranked and added to the project lists. 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. Once the project has been added to the amended PPL, the TWDB will send out an invitation to apply on a first-come, first-served basis provided funding is available.

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

If a retail public utility's total water loss 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 proceed through the application process and obtain a funding commitment

within the timeframes listed below, the Additional Subsidization may be re-allocated to another eligible project. In extenuating circumstances, 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
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 three 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. For multi-year commitments described in the next section, the closing deadline for the initial year will follow the chart below. For each subsequent year, the commitment must close within the dates established by the TWDB at commitment. In extenuating circumstances, the Board may grant extensions of time to close if an applicant demonstrates sufficient reason for a delay.

<b>Type of Financial Assistance</b>	<b>Closing Deadline</b>
Commitments that include only principal forgiveness	3 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 based on a proportionate share of total funds available. The TWDB may elect to provide financing in excess of the initial capacity level if the Board approves the increase consistent with maintaining the DWSRF in perpetuity and after consideration of other relevant factors. TWDB may limit the interest rate reduction for the amount being provided to a project in a single year that exceeds \$250 Million. This single-year threshold does not affect the total multi-year commitment amount under the multi-year funding option.

## **2. 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 adopted IUP unless Additional Subsidization funding is available.

## **3. 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.

## **4. 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 \$125,000,000 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 2019 in the DWSRF program's SFY 2019 Annual Report. (See Appendix E for the calculation demonstrating that \$125,000,000 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.

### **XI. 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 2019 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 3 percent) for TCEQ for Local Assistance and Other State Programs.

#### **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 2018 Capitalization Grant in the amount of \$3,481,600. This amount is based on the option of using four percent of the FFY 2018 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 2.15 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**

The funds for TCEQ Set-Aside activities from the FFY 2018 capitalization grant total \$12,244,800 may be used in SFY 2019. Remaining funds from the previous DWSRF grant, except for funds for Local Assistance and Other State Programs, may also be used in SFY 2019.

State Program Management Set Aside from FFY 2018 grant	\$8,704,000
Small Systems Technical Assistance Set Aside from FFY 2018 grant	\$1,740,800
Local Assistance and Other State Programs Set Aside from FFY 2018 grant	\$1,800,000
<b>Total TCEQ Set-Aside amount from FFY 2018 grant</b>	<b>\$12,244,800</b>

A detailed description of activities may be found in TCEQ's DWSRF Set-Aside Work Plans. Activities are expected to be completed by August 31, 2019.

**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.

**XII. Financial Status**

The base amount of funding available for SFY 2019 is set at \$250,000,000. The amount of the FFY 2018 capitalization grant allotment for the DWSRF program is \$87,040,000, with a match of \$17,408,000 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 2018 allotment in SFY 2019.

## **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 2019 that total 120 percent of the amount of a FFY 2018 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**

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 2019, 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 2018 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 and set-aside amounts from each grant. 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 TWDB has established an interest rate policy that provides for fixed rates. The fixed interest rate for the program is designed to provide borrowers with a 135-basis point reduction from the market based on a level debt service payment schedule. Fixed 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 2.15 percent that is assessed at closing. Fees are not deposited into the DWSRF. The fees may be used for administrative costs, including, but not limited to, project oversight, long-term financial monitoring, and to assist smaller water systems create a sustainable plan for system replacements and to prepare these entities for applying for and implementing financial assistance under the DWSRF program.

## J. EPA Program Evaluation Report and Audit

EPA conducted an annual program review of the DWSRF for SFY 2017 through an onsite review occurring from March 20, 2018 to March 23, 2018. EPA will send their final report to TWDB upon completion.

The Texas State Auditor's Office published the results of the SFY 2017 Single Audit of the DWSRF on February 21, 2018 (Report 18-314). There were no findings as a result of the review.

## XIII. 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 in order of highest priority to receive funding. The content is the same as the alphabetical list in Appendix G.

- **Appendix J** – 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 K** - 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 amended IUP, including the associated lists, was made available for a 30-day public comment period. The draft SFY 2019 DWSRF IUP was announced as follows:

- Public notification of the draft IUP, the public comment period, and public hearing notice were posted on the TWDB website at [www.twdb.texas.gov](http://www.twdb.texas.gov).
- A notice of the public hearing was published in the *Texas Register*.
- A copy of the draft amended IUP was sent to EPA.

#### B. Comment

Comments were accepted via the following four options from July 9, 2018, until 5:00 P.M. on August 7, 2018.

1. Attending a public hearing that was held on July 25, 2018, at 10:00 A.M. in Room 170 of the Stephen F. Austin Building located at 1700 N. Congress Avenue in Austin, Texas
2. Submitting comments via the following online comment page:  
<https://www2.twdb.texas.gov/apps/iup/>
3. 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).
4. 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 amendments were responded to on an individual basis.

**C. Approval**

The SFY 2019 DWSRF IUP will be finalized once it is considered and approved by the TWDB.

**D. Documentation**

After TWDB approval, the final approved IUP will be formally submitted to the EPA and posted on the TWDB website.

**Appendix B. Projected Sources and Uses of Funds**  
 9/1/2018 to 8/31/2019  
 (As of May 31, 2018)

**SOURCES:**

FFY 2018 Federal Capitalization Grant	\$87,040,000
State Match - for FFY 2018 Federal Capitalization Grant	\$17,408,000
Undrawn previous grants	\$6,156,483
Principal Repayments	\$53,000,967
Interest Repayments	\$17,040,854
Investment Earnings on Funds	\$3,813,862
Cash available	\$318,400,171
Additional net leveraging bond proceeds (based on "Projects to be Funded")	\$117,635,552

**TOTAL SOURCES:** **\$620,495,889**

**USES:**

**Set-Asides from FFY 2018 Grant:**

TWDB Administrative Set-Aside	\$3,481,600
Total TWDB Set-Aside:	\$3,481,600

TCEQ Small Systems Technical Assistance Program Set-Aside	\$1,740,800
TCEQ Texas State Management Program Set-Aside	\$8,704,000
TCEQ Local Assistance and Other State Programs Set-Aside	\$1,800,000
Total TCEQ Set-Asides	\$12,244,800

**Set-Asides from prior grant** \$6,156,483

**Projects to be funded:**

SFY 2019 IUP Commitments – Additional Subsidization	\$30,900,000
SFY 2019 IUP Commitments – Bonds/Loans (Available Amount less Addit. Subsidy)	\$219,100,000
Total Projects To Be Funded - SFY 2019:	\$250,000,000

**Projects already pledged**

Commitments <sup>1</sup>	\$274,317,914
Applications	\$45,633,810
Installment closings during SFY 2019	\$9,147,000
Total Projects Already Pledged or being processed:	\$329,098,724

**Debt Service:**

Principal Payments	\$12,011,813
Interest Payments	\$7,502,469
Total Debt Service:	\$19,514,282

**TOTAL USES:** **\$620,495,889**

**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 2019

## 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.

(Result/MCL) X 3

#### Carcinogen

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

(Result/MCL) X 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.

[Greater of (Pb90/0.015) or (Cu90/1.3)] X 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.)

(Result/MCL) X 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 >20 & <35 psi	0.25
Production <85%	0.25	Other Secondary MCLs	0.25
Storage <85%	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 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 Planning, Acquisition, or Design (PAD) financing under the DWSRF program or the TWDB’s Economically Distressed Areas Program, the entity has substantially completed the PAD activities that were financed and is ready to proceed to the next phase, TWDB has released from escrow at least fifty percent of the PAD funds, and the project has not received any TWDB funding for construction. 10.00

**Tie Breaker**

Equal combined rating factors will be ranked in descending order with priority given to 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-1,2-	Toxaphene
Dichloroethylene tran-1,2	Trichlorobenzene 1,2,4-
Dichloromethane	Trichloroethane 1,1,1-
Dichloropropane 1,2-	Trichloroethane 1,1,2-
Dinoseb	Trichloroethylene
Diquat	Vinyl chloride
EDB	Xylene
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. 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 2019**

For SFY 2019, the TWDB will utilize:

- (1) U.S. Census 2012-2016 American Community Survey (ACS) 5-year estimates, along with the 2008-2012 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. 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 2019.

#### **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 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:

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%

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 2012-2016	Calculation	ACS 2012-2016	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	61	1	198	34.49%	\$16,488	\$5,687	2.01	0.69	137
Jefferson	61	2	101	17.60%	\$27,159	\$4,779	2.25	0.36	40
Jefferson	61	3	275	47.91%	\$18,205	\$8,722	1.98	0.95	261
			574	100.00%		\$19,188		2.04	438

County	Census Tract	Block Group	ACS 2012-2016	Calculation	ACS 2012-2016	ACS 2008-2012	Calculation
			Unemployment Rate	Prorated Unemployment Rate	Population 2016	Population 2012	Prorata Pop. Change
Jefferson	61	1	11.76%	4.06%	400	352	17
Jefferson	61	2	32.0%	5.63%	232	313	-14
Jefferson	61	3	37.99%	18.20%	550	504	22
				27.88%	1,182	1,169	24

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 2019. 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	B	C	D	E	F	G	H	I	J	K	L
	Number of Household Connections (HH)	Percentage of Total HH	Average Monthly Water Flow	Average Household Size	Average Mo. Water Flow / HH (Cx D)	First Tier	Initial Rate	Additional Use	Additional Rate	Other Changes	Average Mo. Water Bill $\frac{((E-F)/H) \times I}{J} + G$	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
<b>Totals</b>	<b>5,369</b>	<b>100.00%</b>									<b>Average Monthly Water Bill</b>	<b>\$ 44.69</b>

Prorated Average Monthly Sewer Bill

	A	B	C	D	E	F	G	H	I	J	K	L
	Number of Household Connections (HH)	Percentage of Total HH	Average Monthly Water Flow	Average Household Size	Average Mo. Water Flow / HH (Cx D)	First Tier	Initial Rate	Additional Use	Additional Rate	Other Changes	Average Mo. Water Bill $\frac{((E-F)/H) \times I}{J} + G$	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
<b>Totals</b>	<b>5,369</b>	<b>100.00%</b>									<b>Average Monthly Sewer Bill</b>	<b>\$ 17.03</b>

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 1450(e) of the Safe Drinking Water Act (42 U.S.C.300j-9(e)) in all procurement contracts and must require contractors to include compliance with section 1450(e) 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 1450(e) 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.docx>.

#### **3. 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. The cross-cutters apply to all projects and activities assisted with DWSRF funds.

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.

**4. 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.

**5. Additional Subsidization**

In accordance with the Consolidated Appropriations Act, 2018 (Public Law 115-141), the TWDB is required to provide 20 percent of the capitalization grant of \$87,040,000, or \$17,408,000, in Additional Subsidization. The TWDB has allocated Additional Subsidization for SFY 2019 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	\$2,000,000
Very Small Systems	\$3,000,000
Urgent Need – Contaminants	\$3,000,000
Urgent Need – Other than Contaminants	\$4,000,000
<b>Total</b>	<b>\$30,000,000</b>

Of the total Additional Subsidization being made available for SFY 2019, an amount equal to \$17,408,000 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 March 23, 2018. The TWDB may allocate up to the maximum of \$43,520,000 as principal forgiveness in accordance with the SDWA and the FFY 2018 capitalization grant appropriations. TWDB may consider projects receiving principal forgiveness under the Urgent Need, Very Small Systems, and Green that qualify as

Disadvantaged Communities as part of the additional subsidization authorized for Disadvantaged Communities under the SDWA.

## **6. Green Project Reserve**

The capitalization grant for FFY 2018 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.docm>.

## **7. 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. Re-approval of the "TWDB Quality Management Plan," was approved by EPA Region 6 on June 15, 2018. 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 12 (QTRAK #16-449), received on September 16, 2016 which is approved through November 4, 2019. The most recent revision was approved by EPA on December 20, 2017.



2. The "TCEQ Quality Management Plan, Revision 23 (2018)" (QTRAK# 18-085) approved on January 1, 2018 by EPA Region 6 which demonstrates competency by providing a description of the quality policies including all requirements described in EPA QA/R-2.

## **8. 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 2018 grant 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 December 29, 2017. The TCEQ submitted the TCEQ Triennial Progress Report to the Governor on the Public Water Supply Capacity Development Program on December 29, 2017 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 14, 2017.

## **9. 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>.

#### 10. Reserves Established from Available Funds

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

<b>Funding Reserves</b>	
<b>Reserve</b>	<b>Amount</b>
Green Projects (10% of capitalization grant)	\$8,704,000
Small Communities (15% of available funds)	\$37,500,000
Extended Terms (75% of available funds)	\$187,500,000
Urgent Need Disadvantaged/Small/Rural (50% of principal forgiveness and 20% of loans with an interest rate of zero percent)	\$3,500,000 (principal forgiveness) and \$5 Million (0% loans)

#### 11. Transfers – Amount Available

Calculation of amounts available to transfer between the DWSRF and CWSRF based on FFY 2008 through FFY 2018:

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
<b>TOTAL</b>		<b>\$725,109,000</b>	<b>\$239,285,970</b>
Less grant amount already transferred to CWSRF			<u>\$100,000,000</u>
DWSRF - Available from FFY 2008 to FFY 2018 grants			<b>\$139,285,970</b>
Ongoing cash flow transfer			<u>\$125,000,000</u>
Remaining Transfer Authority			<b>\$14,285,970</b>

#### B. Assurances

##### Entry into the Federal Reporting Systems

The TWDB will enter information into EPA's DWSRF Projects and Benefits 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. Projects Previously Funded**

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

### **2. 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.

### **3. 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.

### **4. 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.

### **5. 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.

## **6. 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.

## **7. Readiness to Proceed**

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

## **8. 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.

## **9. 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.

## **10. Loan Only Invitation – Initial Application Round**

A project may be bypassed in the initial application round to extend an invitation to projects requesting only loan funds without any principal forgiveness. The projects invited in the first round because they are requesting only loan/bond financing will not be eligible to receive additional subsidization during the initial application round. The Executive Administrator will ensure that sufficient capacity remains to provide at least loan/bond financing to all projects bypassed in the first application round to invite these loan-only projects.

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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>													
14	56	12622	Alice	D	TX1250001	19,439	Sustainable water resource for the City to reduce current raw water losses: Three (3) test wells; One (1) 1.5 MGD production well; Pilot plant - three (3) modular plants, 1 MGD total. Groundwater project will result in cost reduction and reduction in water losses and provide supplemental water source in times of drought.	PDC	\$4,930,000.00	30%			
73	12	12712	Alpine	M	TX0220001	5,700	Perform a needs assessment for an asset management program, upgrade existing system to replace outdated or inefficient components, install smart meters.	PDC	\$5,290,530.00		Yes-BC	\$3,000,000.00	
37	23	12643	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.	C	\$7,449,947.00	30%			
100	5	12696	Arlington	M	TX2200001	373,162	Upgrade Lake Arlington Raw Water Pump Station to supply firm capacity of 162MGD.	PDC	\$20,330,000.00		Yes-BC	\$20,330,000.00	
101	5	12697	Arlington	M	TX2200001	373,162	Multiple upgrades and improvements to the water treatment plant.	DC	\$78,000,000.00		Yes-BC	\$52,410,000.00	
8	82	12669	Arp	M	TX2120001	970	The TCEQ recently cited the City of Arp for having excessive levels of asbestos fibers in their water samples. Furthermore, the AC pipes in town date back from the mid 1960's and have long since passed their useful life. The CIP and GIP water lines date back to the 20's and 30's, and have gone even further past their useful life. The excessive age of the system has lead to deterioration to the point that this little city had over 150 water line breaks last year alone. The goal of this project will be to bring the water quality back up to TCEQ standards while reducing the water loss due to water main breaks. Furthermore, tests by the TRWA circuit-rider indicate that on average the Arp water meters are reading 20% low. The meters are manually read too, which takes up several man-days per month. Therefore, the city would like to replace all of the inaccurate water meters in town with an accurate drive-by water meter system.	PADC	\$5,360,797.00				

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<b>Public Water System</b>													
47	20	12704	Athens	M	TX1070005	12,796	This project will replace a water main along portions of South Prairieville Street, Park Drive, East Clinton Avenue, and South Palestine. This project is intended to address fire flow, pressure, and elevated maintenance requirements.	PDC	\$1,125,862.00	30%			
7	82	12634	Baird	M	TX0300001	1,530	This project involves the replacement of the old water treatment plant with a new 1.0 MGD microfiltration/ultrafiltration water treatment plant. The new WTP will allow the city to meet TCEQ overall supply and treatment requirements, and it will eliminate the TCEQ violations. Also, this project involves the replacement of old cast iron raw water transmission line with a new PVC raw water line. The city has experienced significant water loss due to leaks in the old raw water line.	PDC	\$5,099,999.90				
52	15	12653	Balmorea	M	TX1950002	610	The laying of new water lines, the replacement of damaged lines, the removal of abandoned water lines, the bypass of unnecessary water system components, and the removal of unnecessary water system components.	PDC	\$1,590,000.00				
129	0	12654	Balmorea	M	TX1950002	610	The addition of a second water well at the Huelster well field.	PDC	\$300,000.00				
35	24	12662	Beaver Creek WCID # 1	D	TX0260052	872	The existing privately owned water wells within the Beaver Creek WCID#1 (District) service area have been deemed a health nuisance by the Department of State Health Services. After completion of the EDAP Planning Program, the District proposes to construct a first time service water system in an effort to provide a source of safe drinking water to its residents.	C	\$6,486,462.00	70%	Yes-BC	\$933,000.00	
120	1	12683	Blooming Grove	M	TX1750001	833	Construct a new water supply well and ground storage tank and create and implement an Asset Management Plan.	PDC	\$1,517,450.00				
107	3	12642	Bluegrove WSC	W	TX0390014	75	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				
31	26	12656	Borden County	C	TX0170010	238	Installation of Arsenic and Fluoride Removal Equipment.	PDC	\$1,455,000.00				
2	352	12723	Brady	M	TX1540001	6,059	The City of Brady (City) is the recipient of an Administrative Order from the US-EPA for non-compliance of the SDWA as it pertains to radionuclides levels in drinking water. The City is addressing this matter through the implementation of a major groundwater treatment & transmission project.	C	\$28,717,000.00	50%			

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<b>Public Water System</b>													
49	16	12719	Breckenridge	M	TX2150001	7,935	The City of Breckenridge is proposing improvements at the WTP and throughout their distribution system to address areas of need.	PDC	\$4,155,000.00	30%			
84	10	12639	Bronte	M	TX0410001	904	The City of Bronte has lines in its water distribution system that needs replacement. These lines are older cast iron, asbestos concrete or galvanized water lines that have become fragile and prone leaks and breaks. These breaks lead to water loss and additional staff maintenance. It is proposed to replace approximately 6,000 linear feet of existing water line with 8" and 6" PVC water line. Fire hydrants will also be installed on the new water line to serve these areas with fire protection.	PDC	\$300,000.00	30%			
89	10	12637	Bronte	M	TX0410001	2,601	The city proposes to construct a new welded 400,000 gallon GST to replace existing clearwells and rehab the clarifier.	PDC	\$925,000.00	30%			
119	1	12618	Brookesmith SUD	D	TX0250004	12,697	Replace old water lines, pump station, and radio read meters.	PDC	\$3,714,000.00		Yes-BC	\$2,531,000.00	
42	23	12613	Brookshire MWD	D	TX2370004	4,879	The Brookshire Municipal Water District (MWD) proposes to replace asbestos cement pipe with PVC C900 pipe in the FM 1489 right-of-way south of Interstate 10, and in a neighborhood north of State Highway 90 and east of FM 362.	DC	\$2,575,000.00	30%			
71	13	12614	Brookshire MWD	D	TX2370004	4,879	The Brookshire Municipal Water District (MWD) exhibits an urgent need to improve residential flow metering and flexibility to isolate portions of the distribution network to decrease public water supply losses and pressure drops. The new meters and isolation valves will provide for detailed water usage and water production, thus providing a means to identify and isolate water loss locations.	DC	\$985,600.00	30%			
105	3	12609	Canadian	M	TX1060001	3,370	Replacement of Water Distribution Infrastructure and New Water Meter Installation.	PDC	\$2,039,000.00		Yes-BC	\$418,000.00	
34	24	12632	Carbon	M	TX0670015	272	The project consists of pump station improvements to increase the storage and pumping capacities to meet compliance. The project also consists of installing a SCADA System and a radio read metering system.	PDC	\$700,000.00	70%	Yes-BC	\$700,000.00	
61	14	12713	Carrizo Springs	M	TX0640002	5,828	The City of Carrizo Springs is proposing to bring its water system up to date to correct numerous deficiencies according to TCEQ regulations and Texas State Board of Insurance requirements.	PDC	\$9,208,889.00	30%		\$6,518,200.00	
5	120	12630	Clyde	M	TX0300002	11,219	Construct a pipeline and pump stations to transport untreated water from Lake Fort Phantom Hill reservoir to Clyde WTP.	PADC	\$11,550,000.00				

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<b>Public Water System</b>													
108	3	12678	Coke County WSC	W	TX0410017	353	Replace existing meters in distribution system with new AMR drive-by system.	PDC	\$200,000.00		Yes-BC	\$200,000.00	
27	30	12679	Comanche County WSC	W	TX0470027	249	Replace the existing inline pump station located on SH 36 with a new 40,000 gallon GST and new pumps. Approximately 40 meters will be taken off the Sipe Springs system with a new pump station and closing of existing valves. Removing these meters from Sipe Springs will bring the system back into compliance with TCEQ.	PDC	\$300,000.00				
16	56	12605	Commodore Cove ID	D	TX0200033	355	Install a Ceramic Ultra Filtration Unit to meet TCEQ requirements.	AC	\$160,000.00				
53	15	12721	Crosbyton	M	TX0540001	2,083	The City of Crosbyton proposes to replace specific valves and fire hydrants to improve performance of its distribution system.	PDC	\$686,000.00	70%	Yes-BC	\$686,000.00	
85	10	12638	Cross Plains	M	TX0300003	982	The City of Cross Plains proposes to replace undersized lines and loop dead end areas in their system.	PDC	\$1,200,000.00	30%			
25	34	12623	Cypress Valley WSC	W	TX1020088	1,386	New water well for potable water production.	PDC	\$750,000.00				
90	10	12611	Daingerfield	M	TX1720001	2,705	Install a new elevated storage tank and pressure maintenance facility. Upgrade linework and valves.	PADC	\$2,680,000.00	30%			
54	15	12689	Devine	M	TX1630006	4,607	The City of Devine is seeking funding for a city-wide water meter replacement project. Their current meters were installed over 10 years ago and the City has been experiencing meter failures and has a on-going issue with inaccurate readings.	PDC	\$1,367,448.00	50%	Yes-BC	\$1,178,848.00	
4	122	12727	Eastland Co WSD	D	TX0670019	10,100	ECWSD proposes to complete source, treatment and transmission improvements to restore and maintain DBP compliance.	PDC	\$15,184,000.00	70%	Yes-BC	\$15,184,000.00	
39	23	12644	Ector County UD	D	TX0680235	17,227	The proposed project will add 2,500,000 gallons of elevated storage, 4,000,000 gallons of ground storage, and approximately 11,000,000 gallons per day of firm pumping capacity. The proposed improvements will bring Ector County Utility District into compliance with TCEQ criteria. The proposed projects will increase the reliability of the system and allow Ector Co UD to expand service to nearby residents.	PADC	\$37,196,948.00				



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<b>Public Water System</b>													
12	60	12676	Ellinger Sewer & Water SC	W	TX0750014	462	Construct new ground storage tank (GST) to replace an existing bolted, galvanized Standpipe built in the early 1970's. The standpipe was inspected and found to have holes in the floor and lower wall sections, was patch repaired in 2016. New piping will be required to reach the new GST location. Additional financial assistance is required to demo and dispose of existing standpipe.	PDC	\$300,000.00	70%			
92	10	12661	Emory	M	TX1900001	5,630	The raw water intake structure is not in a deep enough section of the lake to keep it in water during summer months. Temporary barge mounted pumps are used during these periods. A new raw water pump station will be required to service the new intake. The original clarifier has been removed significantly limiting the plant capacity to 1.8 MGD through the one remaining clarifier.	PDC	\$3,190,200.00	30%			
123	1	12681	Ennis	M	TX0700001	18,674	Failing waterlines with insufficient valving. Frequent breakage causes loss of service, risk of system contamination, and significant water loss. Prepare and implement Asset Management Plan.	PDC	\$8,364,879.00				
124	1	12682	Ennis	M	TX0700001	29,159	Water line replacements in downtown Ennis and create and implement an Asset Management Plan.	PDC	\$4,987,021.00		Yes-BC	\$3,298,600.00	
114	2	12687	Eules	M	TX2200031	53,675	Two groundwater wells are aging and have developed perforations in the casings due to corrosion. The perforations have led to a deterioration in water quality. Project includes: plugging and abandoning the 2 existing wells, drilling 2 new wells, updated disinfection equipment, and constructing new booster pumping facilities.	C	\$10,216,000.00		Yes-BC	\$200,000.00	
45	20	12694	Evadale WCID # 1	D	TX1210011	963	Evadale ECID#1 has a deteriorated water storage tank and deteriorated distribution lines. The WCID also plans to expand water service to match their existing sanitary sewer service area. The addition of a new water production facility (well, EST, HSP and treatment) and replacement/installation of distribution lines will allow them to serve the additional customers with reduced real water loss due to leaks and breaks.	PADC	\$3,000,000.00		Yes-BC	\$200,000.00	

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<b>Public Water System</b>													
51	15	12729	Evant	M	TX0500015	465	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Evant is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$200,000.00	30%	Yes-BC	\$200,000.00	
17	46	12620	Fort Griffin SUD	D	TX2090005	2,740	0.3 MGD Water Treatment Plant.	PDC	\$1,917,000.00				
115	2	12666	Garland	M	TX0570010	234,213	Replacing old meters and ITRON 60W end points with new water meters with ITRON 100W end points. In future periods, the City will use this information to assess the condition of the assets and prioritize their replacement.	C	\$7,500,000.00		Yes-BC	\$7,500,000.00	
116	2	12667	Garland	M	TX0570010	234,213	Automation of Pump Station Disinfectant Boosting System. The City is utilizing Cityworks to collect information in regards to the City's assets. In future periods, the City will use this information to assess the condition of the assets and prioritize their replacement.	DC	\$87,000.00		Yes-BC	\$87,000.00	
38	23	12612	Gladewater	M	TX0920001	6,541	Upgrades to existing elevated storage tank, waterlines, and pressure maintenance facilities.	PDC	\$2,776,980.00	30%			
56	15	12616	G-M WSC	W	TX2020067	11,249	Remove existing meters and replace with radio read meters.	PDC	\$1,679,920.00	50%	Yes-BC	\$1,679,920.00	
60	14	12730	Gordon	M	TX1820007	744	Water Line Replacements, Pump Station Improvements, and Radio Read Meters.	PDC	\$900,000.00	50%	Yes-BC	\$900,000.00	
55	15	12722	Granbury	M	TX1110001	11,193	The City of Granbury is proposing to expand its new brackish desalination WTP to Phase II.	PDC	\$18,444,000.00				
87	10	12691	Granger	M	TX2460002	1,419	The project includes the rehabilitation of the water storage facilities, well pumps, pump stations, and distribution system.	PDC	\$999,000.00	50%			
6	82	12732	Granite Shoals	M	TX0270049	6,663	Construct the following improvements: 250,000 gallon overhead tower. 300,000 gallon clarifier. New chemical building at Water Treatment Plant. Line Replacements.	PDC	\$9,200,000.00				
128	0	12731	Granite Shoals	M	TX0270022	603	Construct the following improvements: Increase pumping capacity by 400 gpm. 10,000 gallon hydropneumatic tank to meet TCEQ pressure maintenance requirements. Construct a new pump house.	PDC	\$710,000.00				

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<b>Public Water System</b>													
24	35	12645	Greater Texoma UA	D	TX0910011	1,752	Water System Improvements Project to include a new water well, ground storage tank, pump station, other storage, pumping and treatment improvements, distribution lines, and other appurtenances as necessary for project	PADC	\$6,278,000.00	30%			
23	37	12646	Green Acres Mobile Home Park	P	TX0710066	150	Acquire and obtain Arsenic remedy to comply with TCEQ MCL and complete asset management plan.	PDC	\$299,000.00				
26	32	12631	Groveton	M	TX2280001	1,293	Construct Water Well and Transmission Main to supplement current TRA water supply which is seasonally inadequate for current demand, specifically during drought conditions.	PADC	\$2,195,000.00	70%			
113	2	12693	Hardin WSC	W	TX1460009	4,859	Construct new water source, treatment, pressure maintenance facility, and AMR System.	PDC	\$3,342,720.00		Yes-BC	\$1,002,175.00	
118	1	12698	Harris Co FWSD # 47	D	TX1010260	2,434	Replace old waterline with Class 150 C-900 PVC, installation of new AMR to help identify leaks.	PDC	\$5,581,670.00		Yes-BC	\$5,581,670.00	
72	13	12702	Hidalgo Co MUD # 1	D	TX1080088	8,253	This project is for the planning, design, and construction of a 500,000 gallon elevated water storage tank to bring it in compliance with 290.45 Minimum Water System Capacity Requirements.	PDC	\$2,860,000.00	30%			
68	13	12674	Ira WSC	W	TX2080004	699	Replace portions of existing distribution lines west of Ira, TX with 2" PVC water line.	PDC	\$300,000.00		Yes-BC	\$300,000.00	
83	10	12633	Joaquin	M	TX2100010	824	The proposed project seeks to replace broken / malfunctioning / unreliable water meters with AMR meters and also identify (via water leak detection survey) and replace aged water mains that continue to cause excessive water loss.	PDC	\$2,745,000.00	50%	Yes-BC	\$2,745,000.00	
66	13	12736	JRM Water, LLC	P	TX2350036	405	Water Plant Improvements.	DC	\$408,000.00				
127	0	12608	Lefors	M	TX0900001	454	In an effort to provide the current water system with an additional potable water well and meet current TCEQ Redundancy requirements, the City of Lefors will perform test holes to verify the quality and quantity of water in the area and help determine the final location of the well. Once the final location of the production well has been determined, land acquisition will ensure. The project will add a necessary sand separator to an existing production well, add necessary valving to the water system, provide improvements to the existing chlorination system, and provide supervisory control and data acquisition (SCADA ) systems which will make for an overall more efficient water system.	PADC	\$987,062.00		Yes-BC	\$987,062.00	

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<b>Public Water System</b>													
48	18	12716	Los Fresnos	M	TX0310004	6,651	The City of Los Fresnos DW State Revolving Funds Project 62627 needs are to increase the water treatment plant capacity to meet future water demands while ensuring minimum disinfection requirements are met. The project will also need to address the Corrective Action Plan resulting from the mandatory Comprehensive Performance Evaluation (mCPE) performed on September 2016 in response to a violation of TCEQ standard 290.104 (g)(1) (relating to Maximum Contaminant Levels, Maximum Residual Disinfectant Levels, Treatment Techniques, and Action Levels).	C	\$2,940,000.00		Yes-BC	\$745,000.00	
94	10	12706	Lower Valley WD	D	TX0710154	93,061	This area is currently served by an undersized, dilapidated water system. In addition, LVWD proposed to upgrade the size of the main distribution system to improve pressure.	PDC	\$1,853,491.00	30%			
95	10	12707	Lower Valley WD	D	TX0710154	93,061	This area is currently served by an undersized, dilapidated water system. In addition, LVWD proposed 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	30%			
96	10	12709	Lower Valley WD	D	TX0710154	93,061	The majority of area is currently not served or partially served by an undersized, dilapidated water system. LVWD proposed to install a 12" or larger pipe to the main distribution system to improve pressure by creating a critical loop system.	PDC	\$4,369,056.00	30%			
97	10	12710	Lower Valley WD	D	TX0710154	93,061	This area is currently not served by the District's water system. LVWD proposed to install a 12" or larger pipe to the main distribution system to expand services to unserved areas and improve pressure.	PDC	\$5,297,449.00	30%			
98	10	12711	Lower Valley WD	D	TX0710154	93,061	This area is currently not served by the District's water system. LVWD proposed 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	30%			
32	25	12686	Lyford	M	TX2450003	2,597	Construction of water distribution system improvements including asbestos waterline replacements, looping, and replacement of gate valves.	PDC	\$1,564,484.00	50%			
43	21	12659	Madera Valley WSC	W	TX1950006	1,983	The addition of a Regional Surface Water Treatment Plant with the goal of providing potable water to rural Reeves County.	PADC	\$2,950,000.00	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>													
88	10	12657	Madera Valley WSC	W	TX1950006	1,983	Addition of a standpipe at the Lee well site.	PDC	\$300,000.00	50%			
9	66	12734	Marlin	M	TX0730002	5,671	Rehabilitation of water treatment plant including clarifier, pumps, piping, electrical system, remove abandoned clear well; replace approximately 37,500 lf of deteriorated and undersized water lines to achieve a reduction of unaccounted for water, meet TCEQ requirements and provide fire protection.	PDC	\$6,425,000.00	70%			
74	12	12703	Marshall	M	TX1020002	23,651	Replace water meters.	PDC	\$6,792,598.30	30%	Yes-BC	\$6,792,598.00	
64	13	12626	Melvin	M	TX1540003	209	This project involves the rehab of existing GSTs and the replacement of old existing water line with 6" WL. This project will assist the city with water loss.	PDC	\$300,000.00	50%			
58	14	12724	Mertzon	M	TX1180002	778	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. In order to support current water supply needs, the City of Mertzon is pursuing implementation of two major project components, including construction of a new supply well and a treatment system to address the City's groundwater quality issues.	PDC	\$3,138,000.00		Yes-BC	\$3,138,000.00	
63	13	12668	Mexia	M	TX1470004	7,462	The City recently replaced approximately 50,000 L.F. of water mains and now seeks to replace broken/malfunctioning/unreliable water meters with AMR meters.	PDC	\$1,880,000.00	70%	Yes-BC	\$1,880,000.00	
112	3	12627	Midway ISD	D	TX0390020	981	Midway ISD will drill another well to increase water production. The main water lines will also be replaced as well as necessary connections, valves, and service reconections.	PDC	\$250,000.00				
102	4	12720	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	

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<b>Public Water System</b>													
1	590	12615	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	\$578,000.00	50%			
86	10	12652	New Waverly	M	TX2360003	1,204	Abandon and install approximately 10,300 linear feet of water line along U.S. 75 in the city limits of New Waverly.	PDC	\$1,634,900.00	50%			
126	0	12699	Nome	M	TX1230039	409	Rehabilitation the existing Nome surface WTP's items due to flooding from Hurricane Harvey (Urgent Need).	PDC	\$275,000.00				
62	13	12701	Nueces Co WCID # 5	D	TX1780010	684	The purpose of this project is to assess the condition of 26,000 LF of existing aged and undersized PVC and asphalt concrete pipes throughout the District's service area. The District will utilize the findings of this study to prioritize replacement of broken and deficient transmission lines to reduce water loss, improve water pressure and enhance distribution throughout the service area. Also included in the project is the development of an Asset Management Plan based on the condition assessment and inventory of the water distribution system.	PD	\$200,000.00	50%			
67	13	12610	Paint Creek WSC	W	TX1040017	647	Replace main supply line to area near Jeffcoat Camp at Lake Stamford with larger diameter line. Move existing line out of old railroad ROW to area near County Road just to the immediate west.	PDC	\$300,000.00		Yes-BC	\$300,000.00	
11	63	12641	Paint Rock	M	TX0480012	357	Replace 2,000 feet of 6" AC water line with new PVC pipe.	PDC	\$300,000.00				
19	43	12629	Palo Pinto WSC	W	TX1820004	347	Replace existing distribution lines and install an elevated storage tank.	PDC	\$1,500,000.00	50%	Yes-BC	\$1,500,000.00	
44	20	12607	Pendleton Harbor WSC	W	TX2020020	511	The proposed water system improvements include the replacement of the existing high service pumps to meet the TCEQ requirements for flow and pressure. Also included are upgrades to the electrical system as well as the pump controls.	DC	\$538,725.00	70%			
33	25	12650	Presidio	M	TX1890002	5,406	Extend water services along HWY 67 as far as the Airport to provide services to the Las Pampas Colonia. Transmission line, Construct an 8,700 LF transmission line between lower treatment water tank and upper storage tank. Pressured Reductions Valves. Construct 0.2 to 0.5 M Gallon Storage Tank.	C	\$4,827,395.00	50%	Yes-BC	\$60,000.00	

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<b>Public Water System</b>													
29	28	12705	Presidio County	C	TX1890011	144	Evaluate the two wells separately to review arsenic levels. Absent any blending options the proposed project will evaluate, pilot and construct an arsenic removal treatment to meet primary drinking water standards. Complete an asset management plan.	PDC	\$300,000.00				
117	2	12738	Quitman	M	TX2500003	1,809	Installation of 12-in transmission line from the WTP to the ground storage tanks at Stephens Street and modification of the transfer pumps at the WTP.	PDC	\$1,603,400.00		Yes-BC	\$105,000.00	
99	5	12673	Reno	M	TX1840049	2,650	Design and construction of a new 1.0MG elevated storage tank and various water line improvements.	PDC	\$15,326,721.00				
3	151	12635	Rhome	M	TX2490007	1,598	This project will focus on improving the water treatment and distribution system for the City.	PDC	\$850,000.00		Yes-BC	\$850,000.00	
70	13	12672	Rising Star	M	TX0670005	959	Make repairs necessary to ground storage tank including new roof latch, water level indicator, vent, and clean out sediment from tank. Replace items at pump station. Install chlorine leak alarm, add SCBA protection equipment and repair chlorine building. Reduce water loss through installation of new metering system.	PDC	\$300,000.00	30%	Yes-BC	\$180,000.00	
125	0	12624	River Oaks WSC	W	TX1610018	375	Replace lines on two streets and install meters.	P	\$91,000.00				
15	56	12690	Riverside SUD	D	TX2360010	5,760	Replace undersized water lines and deteriorated storage tanks. Improve treatment with LAS system to address violations.	PDC	\$4,228,005.00				
111	3	12636	Rochelle WSC	W	TX1540004	604	This project involves the rehabilitation of existing ground water tanks and the replacement of old existing meters with an AMR meter system and a new master meter to address water loss issues.	PDC	\$300,000.00				
50	15	12625	Rockdale	M	TX1660002	5,492	Improvements and rehabilitation of the City of Rockdale's water infrastructure, including improvements, repairs and upgrades to the City's Water Treatment Plant (WTP), pump stations, tanks, meters, and water lines.	PDC	\$45,090,000.00	70%	Yes-BC	\$3,000,000.00	
57	15	12725	Roma	M	TX2140007	18,903	The City is addressing the need for Phase I (4 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.	PADC	\$29,126,000.00	70%	Yes-BC	\$29,126,000.00	
22	39	12708	Ropesville	M	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	\$1,237,500.00	50%			

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<b>Public Water System</b>													
13	58	12728	Roscoe	M	TX1770001	1,338	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Roscoe is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$2,253,000.00		Yes-BC	\$2,253,000.00	
121	1	12655	Rosebud	M	TX0730003	1,415	The City proposes to replace broken and/or malfunctioning water meters within their CCN with meters to prevent the water loss and to ensure the safety and well being of its customers. The City intends to prepare their asset management plan with assistance from TCEQ's FMT contractor.	PDC	\$766,100.00		Yes-BC	\$520,000.00	
18	44	12619	Rotan	M	TX0760002	1,477	Install 14 miles of new 12" PVC water line to replace existing dilapidated cast iron water line. Existing cast iron line suffers from corrosion issues, high water loss, occasional interruption of service due to needing repairs, high chlorine demand from iron bacteria growth, and disinfection residual issues.	PADC	\$5,200,000.00	50%	Yes-BC	\$5,200,000.00	
130	0	12700	Royalwood MUD	D	TX1010201	1,982	Update and Modernize Existing Water Plants.	PDC	\$1,461,850.00		Yes-BC	\$375,695.00	
80	11	12640	Rusk	M	TX0370003	5,618	New Groundwater Source Water Well.	PADC	\$1,862,501.00	30%			
91	10	12658	Rusk	M	TX0370003	5,618	Install 8" Water Line on FM 343 West. Rehabilitation of Two Elevated Storage Tanks.	PDC	\$1,813,405.00	30%			
79	11	12685	San Diego MUD # 1	D	TX0660003	4,528	The project consists of the replacement of a new ground water storage tank, rehabilitation of an elevated storage tank and repair of deficient water distribution lines throughout the District's system. The project also includes the preparation and development of an Asset Management Plan for the District, which would include a water model of the existing system.	PDC	\$2,385,000.00	50%	Yes-BC	\$1,100,000.00	
93	10	12648	San Juan	M	TX1080010	19,218	New 1.0 MG (concrete composite) elevated storage tank, associated waterline, and decommissioning aging and old existing 300,000 and 200,000 gallon elevated tanks.	PADC	\$3,990,000.00	30%			
82	10	12714	Sandbranch		Pending	190	Install a water system to an existing development.	PAD	\$875,000.00	70%			
75	11	12647	Santa Anna	M	TX0420002	1,297	Replace the existing line with a new water line outside of the paved highway surface.	PADC	\$850,000.00	50%	Yes-BC	\$850,000.00	



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<b>Public Water System</b>													
20	41	12617	Santo SUD	D	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	\$778,000.00				
106	3	12715	Slaton	M	TX1520004	5,800	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	\$3,833,000.00		Yes-BC	\$2,250,000.00	
104	3	12717	Stephens Regional SUD	D	TX2150007	3,173	Installation of an AMR System in the Distribution System.	PDC	\$1,071,000.00		Yes-BC	\$1,071,000.00	
65	13	12671	Streetman	M	TX0810016	247	The City currently has 3 active wells producing approximately 50 gpm each. The City desires to replace the wells with purchased treated water from Winkler WSC to replace the groundwater wells. Additionally the City desires to improve the distribution system along the I-45 corridor to provide better service to existing customers.	PADC	\$1,900,250.00	70%			
77	11	12660	Stryker Lake WSC	W	TX0370033	870	New water plant with ground storage tank, high service pump station and treatment. Replace aging water line.	PDC	\$1,165,884.00	50%			
109	3	12628	Study Butte WSC	W	TX0220035	482	Radio Read Meters and refinance of existing debt.	PDC	\$499,000.00		Yes-BC	\$300,000.00	
76	11	12663	Terrell	M	TX1290006	17,329	The City of Terrell requires funding in order to complete improvements to water service lines which include piping upgrades, utility relocations, and water main replacements.	ADC	\$7,385,000.00	30%			
110	3	12606	Texins Lake Texoma Club	P	TX0910084	600	Drilling and completion of a new water well.	PC	\$300,000.00				
40	23	12649	Throckmorton	M	TX2240001	882	The proposed project includes water treatment plant improvements to the clarifier, filtration, and disinfection facilities, as well as replacement of approximately 2,000 lf of 2" galvanized waterline with 6" PVC waterline.	PDC	\$300,000.00	30%			
28	30	12733	Tom Green Co FWSD # 2	D	TX2260004	315	Install a 6" discharge line from the backwash tank at the WTP to underground drainage culvert to address TCEQ enforcement order; install a 6" distribution line that will loop the system; renovations to the WTP that will address TCEQ enforcement order.	C	\$300,000.00	50%			
81	10	12651	Toyah	M	TX1950004	113	Improve 1939 era sedimentation cone at the Toyah Surface Water Treatment Plant.	PDC	\$300,000.00	70%			
69	13	12680	Trent	M	TX2210009	768	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	50%			
41	23	12692	Upper Jasper Co WA	D	TX1210060	2,427	Construction of new well, river crossing, line replacement, and storage facilities.	PDC	\$3,127,930.00		Yes-BC	\$1,563,965.00	

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<b>Public Water System</b>													
103	4	12718	Valley Mills	M	TX0180003	1,207	In order to restore the aging infrastructure to its proper function, the City is requesting funding to help address the aging and inefficient distribution system.	PDC	\$2,533,000.00		Yes-BC	\$2,533,000.00	
36	24	12665	Vernon	M	TX2440001	10,874	Install a new 16 mile 24" PVC pipeline.	PADC	\$11,000,000.00	30%	Yes-BC	\$11,000,000.00	
78	11	12670	West Tawakoni	M	TX1160012	1,683	Construct new Water Intake Structure into deeper water. Per Preliminary Engineering Report (PER), a depth of +/-25 feet can be obtained by constructing the Intake at the proposed location. Develop Asset Management Plan.	PADC	\$2,005,400.00	50%			
59	14	12684	Wharton	M	TX2410005	8,756	The City has a history of high water loss and frequent leaks/outages in a number of areas that still have old 2" waterlines. These lines are also too small to provide any fire protection or allow the City to place fire hydrants in these older subdivisions. After completion of planning, environmental, and design the City intends to replace the 2" steel waterlines with 8" PVC waterlines improving water quality, reducing leaks/outages, and providing fire protection.	PDC	\$1,046,900.00	30%			
122	1	12688	White Oak	M	TX0920006	6,544	New raw water reservoir, and prepare and implement an Asset Management Plan.	PDC	\$8,222,500.00				
10	65	12675	White Settlement	M	TX2200081	17,204	The City is currently undertaking the effort to develop a preliminary asset management plan for their water system infrastructure. The scoring system for the condition of facilities was based on several criteria such as pipeline diameter, material, age, capacity, history of repairs and criticality. For above ground facilities some of the criteria included electrical, mechanical, site, structural, etc. For each asset an overall risk score was assigned. The City is seeking this funding to expand on their preliminary asset management efforts to include a full master plan with hydraulic modeling. Through the effort those assets that were identified at high risk of failure and are highly critical have been mapped and preliminary cost estimates have been developed. This project will fund the additional asset management and master planning efforts and the rehabilitation of infrastructure identified as high risk.	PDC	\$2,520,000.00				

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<b>Public Water System</b>														
46	20	12677	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 catastrophically failed recently forcing the City to implement emergency temporary supply from the Wills Point Reservoir. On Thursday, February 22 the in-line flow meter for the temporary supply line failed resulting in a system wide outage. The purpose of this project is to replace 38,400 linear feet of 12 inch raw water transmission line from the West Tawakoni Intake to the City of Wills Point Water Treatment Plant in order to provide reliable raw water to the City's Water Treatment Plant.	PDC	\$4,806,751.80	30%				
30	28	12664	Wolfe City	M	TX1160005	1,428	This project Includes construction of a new well including storage tank and pumps, existing pump station and storage tank improvements and water line replacements in the city of Wolfe City.	PDC	\$4,852,000.00	70%				
21	40	12695	Wolfforth	M	TX1520005	4,135	Consolidate Wolfforth Place and City of Wolfforth public water systems.	PADC	\$500,000.00	30%				
<b>Public Water System Total</b>		<b>130</b>								<b>\$610,047,101.00</b>	<b>70</b>	<b>49</b>	<b>\$205,663,733.00</b>	
<b>Total</b>		<b>130</b>								<b>\$610,047,101.00</b>	<b>70</b>	<b>49</b>	<b>\$205,663,733.00</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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<b>PIF #</b>	<b>Entity</b>	<b>Project Cost</b>	<b>Ineligible Description</b>
12735	First Pecos, LLC	\$67,200,000	Ineligible Applicant (Non-PWS); Ineligible Request (Loan Guarantee)

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<b>Public Water System</b>													
1	590	12615	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	\$578,000.00	50%			
2	352	12723	Brady	M	TX1540001	6,059	The City of Brady (City) is the recipient of an Administrative Order from the US-EPA for non-compliance of the SDWA as it pertains to radionuclides levels in drinking water. The City is addressing this matter through the implementation of a major groundwater treatment & transmission project.	C	\$28,717,000.00	50%			
3	151	12635	Rhome	M	TX2490007	1,598	This project will focus on improving the water treatment and distribution system for the City.	PDC	\$850,000.00		Yes-BC	\$850,000.00	
4	122	12727	Eastland Co WSD	D	TX0670019	10,100	ECWSD proposes to complete source, treatment and transmission improvements to restore and maintain DBP compliance.	PDC	\$15,184,000.00	70%	Yes-BC	\$15,184,000.00	
5	120	12630	Clyde	M	TX0300002	11,219	Construct a pipeline and pump stations to transport untreated water from Lake Fort Phantom Hill reservoir to Clyde WTP.	PADC	\$11,550,000.00				
6	82	12732	Granite Shoals	M	TX0270049	6,663	Construct the following improvements: 250,000 gallon overhead tower. 300,000 gallon clarifier. New chemical building at Water Treatment Plant. Line Replacements.	PDC	\$9,200,000.00				
7	82	12634	Baird	M	TX0300001	1,530	This project involves the replacement of the old water treatment plant with a new 1.0 MGD microfiltration/ultrafiltration water treatment plant. The new WTP will allow the city to meet TCEQ overall supply and treatment requirements, and it will eliminate the TCEQ violations. Also, this project involves the replacement of old cast iron raw water transmission line with a new PVC raw water line. The city has experienced significant water loss due to leaks in the old raw water line.	PDC	\$5,099,999.90				

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<b>Public Water System</b>													
8	82	12669	Arp	M	TX2120001	970	The TCEQ recently cited the City of Arp for having excessive levels of asbestos fibers in their water samples. Furthermore, the AC pipes in town date back from the mid 1960's and have long since passed their useful life. The CIP and GIP water lines date back to the 20's and 30's, and have gone even further past their useful life. The excessive age of the system has lead to deterioration to the point that this little city had over 150 water line breaks last year alone. The goal of this project will be to bring the water quality back up to TCEQ standards while reducing the water loss due to water main breaks. Furthermore, tests by the TRWA circuit-rider indicate that on average the Arp water meters are reading 20% low. The meters are manually read too, which takes up several man-days per month. Therefore, the city would like to replace all of the inaccurate water meters in town with an accurate drive-by water meter system.	PADC	\$5,360,797.00				
9	66	12734	Marlin	M	TX0730002	5,671	Rehabilitation of water treatment plant including clarifier, pumps, piping, electrical system, remove abandoned clear well; replace approximately 37,500 lf of deteriorated and undersized water lines to achieve a reduction of unaccounted for water, meet TCEQ requirements and provide fire protection.	PDC	\$6,425,000.00	70%			
10	65	12675	White Settlement	M	TX2200081	17,204	The City is currently undertaking the effort to develop a preliminary asset management plan for their water system infrastructure. The scoring system for the condition of facilities was based on several criteria such as pipeline diameter, material, age, capacity, history of repairs and criticality. For above ground facilities some of the criteria included electrical, mechanical, site, structural, etc. For each asset an overall risk score was assigned. The City is seeking this funding to expand on their preliminary asset management efforts to include a full master plan with hydraulic modeling. Through the effort those assets that were identified at high risk of failure and are highly critical have been mapped and preliminary cost estimates have been developed. This project will fund the additional asset management and master planning efforts and the rehabilitation of infrastructure identified as high risk.	PDC	\$2,520,000.00				
11	63	12641	Paint Rock	M	TX0480012	357	Replace 2,000 feet of 6" AC water line with new PVC pipe.	PDC	\$300,000.00				

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<b>Public Water System</b>													
12	60	12676	Ellinger Sewer & Water SC	W	TX0750014	462	Construct new ground storage tank (GST) to replace an existing bolted, galvanized Standpipe built in the early 1970's. The standpipe was inspected and found to have holes in the floor and lower wall sections, was patch repaired in 2016. New piping will be required to reach the new GST location. Additional financial assistance is required to demo and dispose of existing standpipe.	PDC	\$300,000.00	70%			
13	58	12728	Roscoe	M	TX1770001	1,338	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Roscoe is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$2,253,000.00		Yes-BC	\$2,253,000.00	
14	56	12622	Alice	D	TX1250001	19,439	Sustainable water resource for the City to reduce current raw water losses: Three (3) test wells; One (1) 1.5 MGD production well; Pilot plant - three (3) modular plants, 1 MGD total. Groundwater project will result in cost reduction and reduction in water losses and provide supplemental water source in times of drought.	PDC	\$4,930,000.00	30%			
15	56	12690	Riverside SUD	D	TX2360010	5,760	Replace undersized water lines and deteriorated storage tanks. Improve treatment with LAS system to address violations.	PDC	\$4,228,005.00				
16	56	12605	Commodore Cove ID	D	TX0200033	355	Install a Ceramic Ultra Filtration Unit to meet TCEQ requirements.	AC	\$160,000.00				
17	46	12620	Fort Griffin SUD	D	TX2090005	2,740	0.3 MGD Water Treatment Plant.	PDC	\$1,917,000.00				
18	44	12619	Rotan	M	TX0760002	1,477	Install 14 miles of new 12" PVC water line to replace existing dilapidated cast iron water line. Existing cast iron line suffers from corrosion issues, high water loss, occasional interruption of service due to needing repairs, high chlorine demand from iron bacteria growth, and disinfection residual issues.	PADC	\$5,200,000.00	50%	Yes-BC	\$5,200,000.00	
19	43	12629	Palo Pinto WSC	W	TX1820004	347	Replace existing distribution lines and install an elevated storage tank.	PDC	\$1,500,000.00	50%	Yes-BC	\$1,500,000.00	
20	41	12617	Santo SUD	D	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	\$778,000.00				

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<b>Public Water System</b>													
21	40	12695	Wolfforth	M	TX1520005	4,135	Consolidate Wolfforth Place and City of Wolfforth public water systems.	PADC	\$500,000.00	30%			
22	39	12708	Ropesville	M	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	\$1,237,500.00	50%			
23	37	12646	Green Acres Mobile Home Park	P	TX0710066	150	Acquire and obtain Arsenic remedy to comply with TCEQ MCL and complete asset management plan.	PDC	\$299,000.00				
24	35	12645	Greater Texoma UA	D	TX0910011	1,752	Water System Improvements Project to include a new water well, ground storage tank, pump station, other storage, pumping and treatment improvements, distribution lines, and other appurtenances as necessary for project	PADC	\$6,278,000.00	30%			
25	34	12623	Cypress Valley WSC	W	TX1020088	1,386	New water well for potable water production.	PDC	\$750,000.00				
26	32	12631	Groveton	M	TX2280001	1,293	Construct Water Well and Transmission Main to supplement current TRA water supply which is seasonally inadequate for current demand, specifically during drought conditions.	PADC	\$2,195,000.00	70%			
27	30	12679	Comanche County WSC	W	TX0470027	249	Replace the existing inline pump station located on SH 36 with a new 40,000 gallon GST and new pumps. Approximately 40 meters will be taken off the Sipe Springs system with a new pump station and closing of existing valves. Removing these meters from Sipe Springs will bring the system back into compliance with TCEQ.	PDC	\$300,000.00				
28	30	12733	Tom Green Co FWSD # 2	D	TX2260004	315	Install a 6" discharge line from the backwash tank at the WTP to underground drainage culvert to address TCEQ enforcement order; install a 6" distribution line that will loop the system; renovations to the WTP that will address TCEQ enforcement order.	C	\$300,000.00	50%			
29	28	12705	Presidio County	C	TX1890011	144	Evaluate the two wells separately to review arsenic levels. Absent any blending options the proposed project will evaluate, pilot and construct an arsenic removal treatment to meet primary drinking water standards. Complete an asset management plan.	PDC	\$300,000.00				
30	28	12664	Wolfe City	M	TX1160005	1,428	This project Includes construction of a new well including storage tank and pumps, existing pump station and storage tank improvements and water line replacements in the city of Wolfe City.	PDC	\$4,852,000.00	70%			
31	26	12656	Borden County	C	TX0170010	238	Installation of Arsenic and Fluoride Removal Equipment.	PDC	\$1,455,000.00				
32	25	12686	Lyford	M	TX2450003	2,597	Construction of water distribution system improvements including asbestos waterline replacements, looping, and replacement of gate valves.	PDC	\$1,564,484.00	50%			



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<b>Public Water System</b>													
33	25	12650	Presidio	M	TX1890002	5,406	Extend water services along HWY 67 as far as the Airport to provide services to the Las Pampas Colonia. Transmission line, Construct an 8,700 LF transmission line between lower treatment water tank and upper storage tank. Pressured Reductions Valves. Construct 0.2 to 0.5 M Gallon Storage Tank.	C	\$4,827,395.00	50%	Yes-BC	\$60,000.00	
34	24	12632	Carbon	M	TX0670015	272	The project consists of pump station improvements to increase the storage and pumping capacities to meet compliance. The project also consists of installing a SCADA System and a radio read metering system.	PDC	\$700,000.00	70%	Yes-BC	\$700,000.00	
35	24	12662	Beaver Creek WCID # 1	D	TX0260052	872	The existing privately owned water wells within the Beaver Creek WCID#1 (District) service area have been deemed a health nuisance by the Department of State Health Services. After completion of the EDAP Planning Program, the District proposes to construct a first time service water system in an effort to provide a source of safe drinking water to its residents.	C	\$6,486,462.00	70%	Yes-BC	\$933,000.00	
36	24	12665	Vernon	M	TX2440001	10,874	Install a new 16 mile 24" PVC pipeline.	PADC	\$11,000,000.00	30%	Yes-BC	\$11,000,000.00	
37	23	12643	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.	C	\$7,449,947.00	30%			
38	23	12612	Gladewater	M	TX0920001	6,541	Upgrades to existing elevated storage tank, waterlines, and pressure maintenance facilities.	PDC	\$2,776,980.00	30%			
39	23	12644	Ector County UD	D	TX0680235	17,227	The proposed project will add 2,500,000 gallons of elevated storage, 4,000,000 gallons of ground storage, and approximately 11,000,000 gallons per day of firm pumping capacity. The proposed improvements will bring Ector County Utility District into compliance with TCEQ criteria. The proposed projects will increase the reliability of the system and allow Ector Co UD to expand service to nearby residents.	PADC	\$37,196,948.00				

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<b>Public Water System</b>													
40	23	12649	Throckmorton	M	TX2240001	882	The proposed project includes water treatment plant improvements to the clarifier, filtration, and disinfection facilities, as well as replacement of approximately 2,000 lf of 2" galvanized waterline with 6" PVC waterline.	PDC	\$300,000.00	30%			
41	23	12692	Upper Jasper Co WA	D	TX1210060	2,427	Construction of new well, river crossing, line replacement, and storage facilities.	PDC	\$3,127,930.00		Yes-BC	\$1,563,965.00	
42	23	12613	Brookshire MWD	D	TX2370004	4,879	The Brookshire Municipal Water District (MWD) proposes to replace asbestos cement pipe with PVC C900 pipe in the FM 1489 right-of-way south of Interstate 10, and in a neighborhood north of State Highway 90 and east of FM 362.	DC	\$2,575,000.00	30%			
43	21	12659	Madera Valley WSC	W	TX1950006	1,983	The addition of a Regional Surface Water Treatment Plant with the goal of providing potable water to rural Reeves County.	PADC	\$2,950,000.00	30%			
44	20	12607	Pendleton Harbor WSC	W	TX2020020	511	The proposed water system improvements include the replacement of the existing high service pumps to meet the TCEQ requirements for flow and pressure. Also included are upgrades to the electrical system as well as the pump controls.	DC	\$538,725.00	70%			
45	20	12694	Evadale WCID # 1	D	TX1210011	963	Evadale ECID#1 has a deteriorated water storage tank and deteriorated distribution lines. The WCID also plans to expand water service to match their existing sanitary sewer service area. The addition of a new water production facility (well, EST, HSP and treatment) and replacement/installation of distribution lines will allow them to serve the additional customers with reduced real water loss due to leaks and breaks.	PADC	\$3,000,000.00		Yes-BC	\$200,000.00	
46	20	12677	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 catastrophically failed recently forcing the City to implement emergency temporary supply from the Wills Point Reservoir. On Thursday, February 22 the in-line flow meter for the temporary supply line failed resulting in a system wide outage. The purpose of this project is to replace 38,400 linear feet of 12 inch raw water transmission line from the West Tawakoni Intake to the City of Wills Point Water Treatment Plant in order to provide reliable raw water to the City's Water Treatment Plant.	PDC	\$4,806,751.80	30%			

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<b>Public Water System</b>													
47	20	12704	Athens	M	TX1070005	12,796	This project will replace a water main along portions of South Prairieville Street, Park Drive, East Clinton Avenue, and South Palestine. This project is intended to address fire flow, pressure, and elevated maintenance requirements.	PDC	\$1,125,862.00	30%			
48	18	12716	Los Fresnos	M	TX0310004	6,651	The City of Los Fresnos DW State Revolving Funds Project 62627 needs are to increase the water treatment plant capacity to meet future water demands while ensuring minimum disinfection requirements are met. The project will also need to address the Corrective Action Plan resulting from the mandatory Comprehensive Performance Evaluation (mCPE) performed on September 2016 in response to a violation of TCEQ standard 290.104 (g)(1) (relating to Maximum Contaminant Levels, Maximum Residual Disinfectant Levels, Treatment Techniques, and Action Levels).	C	\$2,940,000.00		Yes-BC	\$745,000.00	
49	16	12719	Breckenridge	M	TX2150001	7,935	The City of Breckenridge is proposing improvements at the WTP and throughout their distribution system to address areas of need.	PDC	\$4,155,000.00	30%			
50	15	12625	Rockdale	M	TX1660002	5,492	Improvements and rehabilitation of the City of Rockdale's water infrastructure, including improvements, repairs and upgrades to the City's Water Treatment Plant (WTP), pump stations, tanks, meters, and water lines.	PDC	\$45,090,000.00	70%	Yes-BC	\$3,000,000.00	
51	15	12729	Evant	M	TX0500015	465	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Evant is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$200,000.00	30%	Yes-BC	\$200,000.00	
52	15	12653	Balmorhea	M	TX1950002	610	The laying of new water lines, the replacement of damaged lines, the removal of abandoned water lines, the bypass of unnecessary water system components, and the removal of unnecessary water system components.	PDC	\$1,590,000.00				
53	15	12721	Crosbyton	M	TX0540001	2,083	The City of Crosbyton proposes to replace specific valves and fire hydrants to improve performance of its distribution system.	PDC	\$686,000.00	70%	Yes-BC	\$686,000.00	

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<b>Public Water System</b>													
54	15	12689	Devine	M	TX1630006	4,607	The City of Devine is seeking funding for a city-wide water meter replacement project. Their current meters were installed over 10 years ago and the City has been experiencing meter failures and has a on-going issue with inaccurate readings.	PDC	\$1,367,448.00	50%	Yes-BC	\$1,178,848.00	
55	15	12722	Granbury	M	TX1110001	11,193	The City of Granbury is proposing to expand its new brackish desalination WTP to Phase II.	PDC	\$18,444,000.00				
56	15	12616	G-M WSC	W	TX2020067	11,249	Remove existing meters and replace with radio read meters.	PDC	\$1,679,920.00	50%	Yes-BC	\$1,679,920.00	
57	15	12725	Roma	M	TX2140007	18,903	The City is addressing the need for Phase I (4 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.	PADC	\$29,126,000.00	70%	Yes-BC	\$29,126,000.00	
58	14	12724	Mertzon	M	TX1180002	778	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. In order to support current water supply needs, the City of Mertzon is pursuing implementation of two major project components, including construction of a new supply well and a treatment system to address the City's groundwater quality issues.	PDC	\$3,138,000.00		Yes-BC	\$3,138,000.00	
59	14	12684	Wharton	M	TX2410005	8,756	The City has a history of high water loss and frequent leaks/outages in a number of areas that still have old 2" waterlines. These lines are also too small to provide any fire protection or allow the City to place fire hydrants in these older subdivisions. After completion of planning, environmental, and design the City intends to replace the 2" steel waterlines with 8" PVC waterlines improving water quality, reducing leaks/outages, and providing fire protection.	PDC	\$1,046,900.00	30%			
60	14	12730	Gordon	M	TX1820007	744	Water Line Replacements, Pump Station Improvements, and Radio Read Meters.	PDC	\$900,000.00	50%	Yes-BC	\$900,000.00	

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<b>Public Water System</b>													
61	14	12713	Carrizo Springs	M	TX0640002	5,828	The City of Carrizo Springs is proposing to bring its water system up to date to correct numerous deficiencies according to TCEQ regulations and Texas State Board of Insurance requirements.	PDC	\$9,208,889.00	30%		\$6,518,200.00	
62	13	12701	Nueces Co WCID # 5	D	TX1780010	684	The purpose of this project is to assess the condition of 26,000 LF of existing aged and undersized PVC and asphalt concrete pipes throughout the District's service area. The District will utilize the findings of this study to prioritize replacement of broken and deficient transmission lines to reduce water loss, improve water pressure and enhance distribution throughout the service area. Also included in the project is the development of an Asset Management Plan based on the condition assessment and inventory of the water distribution system.	PD	\$200,000.00	50%			
63	13	12668	Mexia	M	TX1470004	7,462	The City recently replaced approximately 50,000 L.F. of water mains and now seeks to replace broken/malfunctioning/unreliable water meters with AMR meters.	PDC	\$1,880,000.00	70%	Yes-BC	\$1,880,000.00	
64	13	12626	Melvin	M	TX1540003	209	This project involves the rehab of existing GSTs and the replacement of old existing water line with 6" WL. This project will assist the city with water loss.	PDC	\$300,000.00	50%			
65	13	12671	Streetman	M	TX0810016	247	The City currently has 3 active wells producing approximately 50 gpm each. The City desires to replace the wells with purchased treated water from Winkler WSC to replace the groundwater wells. Additionally the City desires to improve the distribution system along the I-45 corridor to provide better service to existing customers.	PADC	\$1,900,250.00	70%			
66	13	12736	JRM Water, LLC	P	TX2350036	405	Water Plant Improvements.	DC	\$408,000.00				
67	13	12610	Paint Creek WSC	W	TX1040017	647	Replace main supply line to area near Jeffcoat Camp at Lake Stamford with larger diameter line. Move existing line out of old railroad ROW to area near County Road just to the immediate west.	PDC	\$300,000.00		Yes-BC	\$300,000.00	
68	13	12674	Ira WSC	W	TX2080004	699	Replace portions of existing distribution lines west of Ira, TX with 2" PVC water line.	PDC	\$300,000.00		Yes-BC	\$300,000.00	
69	13	12680	Trent	M	TX2210009	768	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	50%			

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<b>Public Water System</b>													
70	13	12672	Rising Star	M	TX0670005	959	Make repairs necessary to ground storage tank including new roof latch, water level indicator, vent, and clean out sediment from tank. Replace items at pump station. Install chlorine leak alarm, add SCBA protection equipment and repair chlorine building. Reduce water loss through installation of new metering system.	PDC	\$300,000.00	30%	Yes-BC	\$180,000.00	
71	13	12614	Brookshire MWD	D	TX2370004	4,879	The Brookshire Municipal Water District (MWD) exhibits an urgent need to improve residential flow metering and flexibility to isolate portions of the distribution network to decrease public water supply losses and pressure drops. The new meters and isolation valves will provide for detailed water usage and water production, thus providing a means to identify and isolate water loss locations.	DC	\$985,600.00	30%			
72	13	12702	Hidalgo Co MUD # 1	D	TX1080088	8,253	This project is for the planning, design, and construction of a 500,000 gallon elevated water storage tank to bring it in compliance with 290.45 Minimum Water System Capacity Requirements.	PDC	\$2,860,000.00	30%			
73	12	12712	Alpine	M	TX0220001	5,700	Perform a needs assessment for an asset management program, upgrade existing system to replace outdated or inefficient components, install smart meters.	PDC	\$5,290,530.00		Yes-BC	\$3,000,000.00	
74	12	12703	Marshall	M	TX1020002	23,651	Replace water meters.	PDC	\$6,792,598.30	30%	Yes-BC	\$6,792,598.00	
75	11	12647	Santa Anna	M	TX0420002	1,297	Replace the existing line with a new water line outside of the paved highway surface.	PADC	\$850,000.00	50%	Yes-BC	\$850,000.00	
76	11	12663	Terrell	M	TX1290006	17,329	The City of Terrell requires funding in order to complete improvements to water service lines which include piping upgrades, utility relocations, and water main replacements.	ADC	\$7,385,000.00	30%			
77	11	12660	Stryker Lake WSC	W	TX0370033	870	New water plant with ground storage tank, high service pump station and treatment. Replace aging water line.	PDC	\$1,165,884.00	50%			
78	11	12670	West Tawakoni	M	TX1160012	1,683	Construct new Water Intake Structure into deeper water. Per Preliminary Engineering Report (PER), a depth of +/-25 feet can be obtained by constructing the Intake at the proposed location. Develop Asset Management Plan.	PADC	\$2,005,400.00	50%			

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<b>Public Water System</b>													
79	11	12685	San Diego MUD # 1	D	TX0660003	4,528	The project consists of the replacement of a new ground water storage tank, rehabilitation of an elevated storage tank and repair of deficient water distribution lines throughout the District's system. The project also includes the preparation and development of an Asset Management Plan for the District, which would include a water model of the existing system.	PDC	\$2,385,000.00	50%	Yes-BC	\$1,100,000.00	
80	11	12640	Rusk	M	TX0370003	5,618	New Groundwater Source Water Well.	PADC	\$1,862,501.00	30%			
81	10	12651	Toyah	M	TX1950004	113	Improve 1939 era sedimentation cone at the Toyah Surface Water Treatment Plant.	PDC	\$300,000.00	70%			
82	10	12714	Sandbranch		Pending	190	Install a water system to an existing development.	PAD	\$875,000.00	70%			
83	10	12633	Joaquin	M	TX2100010	824	The proposed project seeks to replace broken / malfunctioning / unreliable water meters with AMR meters and also identify (via water leak detection survey) and replace aged water mains that continue to cause excessive water loss.	PDC	\$2,745,000.00	50%	Yes-BC	\$2,745,000.00	
84	10	12639	Bronte	M	TX0410001	904	The City of Bronte has lines in its water distribution system that needs replacement. These lines are older cast iron, asbestos concrete or galvanized water lines that have become fragile and prone leaks and breaks. These breaks lead to water loss and additional staff maintenance. It is proposed to replace approximately 6,000 linear feet of existing water line with 8" and 6" PVC water line. Fire hydrants will also be installed on the new water line to serve these areas with fire protection.	PDC	\$300,000.00	30%			
85	10	12638	Cross Plains	M	TX0300003	982	The City of Cross Plains proposes to replace undersized lines and loop dead end areas in their system.	PDC	\$1,200,000.00	30%			
86	10	12652	New Waverly	M	TX2360003	1,204	Abandon and install approximately 10,300 linear feet of water line along U.S. 75 in the city limits of New Waverly.	PDC	\$1,634,900.00	50%			
87	10	12691	Granger	M	TX2460002	1,419	The project includes the rehabilitation of the water storage facilities, well pumps, pump stations, and distribution system.	PDC	\$999,000.00	50%			
88	10	12657	Madera Valley WSC	W	TX1950006	1,983	Addition of a standpipe at the Lee well site.	PDC	\$300,000.00	50%			
89	10	12637	Bronte	M	TX0410001	2,601	The city proposes to construct a new welded 400,000 gallon GST to replace existing clearwells and rehab the clarifier.	PDC	\$925,000.00	30%			
90	10	12611	Daingerfield	M	TX1720001	2,705	Install a new elevated storage tank and pressure maintenance facility. Upgrade linework and valves.	PADC	\$2,680,000.00	30%			

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<b>Public Water System</b>													
91	10	12658	Rusk	M	TX0370003	5,618	Install 8" Water Line on FM 343 West. Rehabilitation of Two Elevated Storage Tanks.	PDC	\$1,813,405.00	30%			
92	10	12661	Emory	M	TX1900001	5,630	The raw water intake structure is not in a deep enough section of the lake to keep it in water during summer months. Temporary barge mounted pumps are used during these periods. A new raw water pump station will be required to service the new intake. The original clarifier has been removed significantly limiting the plant capacity to 1.8 MGD through the one remaining clarifier.	PDC	\$3,190,200.00	30%			
93	10	12648	San Juan	M	TX1080010	19,218	New 1.0 MG (concrete composite) elevated storage tank, associated waterline, and decommissioning aging and old existing 300,000 and 200,000 gallon elevated tanks.	PADC	\$3,990,000.00	30%			
94	10	12706	Lower Valley WD	D	TX0710154	93,061	This area is currently served by an undersized, dilapidated water system. In addition, LVWD proposed to upgrade the size of the main distribution system to improve pressure.	PDC	\$1,853,491.00	30%			
95	10	12707	Lower Valley WD	D	TX0710154	93,061	This area is currently served by an undersized, dilapidated water system. In addition, LVWD proposed 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	30%			
96	10	12709	Lower Valley WD	D	TX0710154	93,061	The majority of area is currently not served or partially served by an undersized, dilapidated water system. LVWD proposed to install a 12" or larger pipe to the main distribution system to improve pressure by creating a critical loop system.	PDC	\$4,369,056.00	30%			
97	10	12710	Lower Valley WD	D	TX0710154	93,061	This area is currently not served by the District's water system. LVWD proposed to install a 12" or larger pipe to the main distribution system to expand services to unserved areas and improve pressure.	PDC	\$5,297,449.00	30%			
98	10	12711	Lower Valley WD	D	TX0710154	93,061	This area is currently not served by the District's water system. LVWD proposed 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	30%			
99	5	12673	Reno	M	TX1840049	2,650	Design and construction of a new 1.0MG elevated storage tank and various water line improvements.	PDC	\$15,326,721.00				
100	5	12696	Arlington	M	TX2200001	373,162	Upgrade Lake Arlington Raw Water Pump Station to supply firm capacity of 162MGD.	PDC	\$20,330,000.00		Yes-BC	\$20,330,000.00	



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<b>Public Water System</b>													
101	5	12697	Arlington	M	TX2200001	373,162	Multiple upgrades and improvements to the water treatment plant.	DC	\$78,000,000.00		Yes-BC	\$52,410,000.00	
102	4	12720	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	
103	4	12718	Valley Mills	M	TX0180003	1,207	In order to restore the aging infrastructure to its proper function, the City is requesting funding to help address the aging and inefficient distribution system.	PDC	\$2,533,000.00		Yes-BC	\$2,533,000.00	
104	3	12717	Stephens Regional SUD	D	TX2150007	3,173	Installation of an AMR System in the Distribution System.	PDC	\$1,071,000.00		Yes-BC	\$1,071,000.00	
105	3	12609	Canadian	M	TX1060001	3,370	Replacement of Water Distribution Infrastructure and New Water Meter Installation.	PDC	\$2,039,000.00		Yes-BC	\$418,000.00	
106	3	12715	Slaton	M	TX1520004	5,800	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	\$3,833,000.00		Yes-BC	\$2,250,000.00	
107	3	12642	Bluegrove WSC	W	TX0390014	75	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				
108	3	12678	Coke County WSC	W	TX0410017	353	Replace existing meters in distribution system with new AMR drive-by system.	PDC	\$200,000.00		Yes-BC	\$200,000.00	
109	3	12628	Study Butte WSC	W	TX0220035	482	Radio Read Meters and refinance of existing debt.	PDC	\$499,000.00		Yes-BC	\$300,000.00	
110	3	12606	Texins Lake Texoma Club	P	TX0910084	600	Drilling and completion of a new water well.	PC	\$300,000.00				
111	3	12636	Rochelle WSC	W	TX1540004	604	This project involves the rehabilitation of existing ground water tanks and the replacement of old existing meters with an AMR meter system and a new master meter to address water loss issues.	PDC	\$300,000.00				
112	3	12627	Midway ISD	D	TX0390020	981	Midway ISD will drill another well to increase water production. The main water lines will also be replaced as well as necessary connections, valves, and service reconnections.	PDC	\$250,000.00				
113	2	12693	Hardin WSC	W	TX1460009	4,859	Construct new water source, treatment, pressure maintenance facility, and AMR System.	PDC	\$3,342,720.00		Yes-BC	\$1,002,175.00	

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<b>Public Water System</b>													
114	2	12687	Eules	M	TX2200031	53,675	Two groundwater wells are aging and have developed perforations in the casings due to corrosion. The perforations have led to a deterioration in water quality. Project includes: plugging and abandoning the 2 existing wells, drilling 2 new wells, updated disinfection equipment, and constructing new booster pumping facilities.	C	\$10,216,000.00		Yes-BC	\$200,000.00	
115	2	12666	Garland	M	TX0570010	234,213	Replacing old meters and ITRON 60W end points with new water meters with ITRON 100W end points. In future periods, the City will use this information to assess the condition of the assets and prioritize their replacement.	C	\$7,500,000.00		Yes-BC	\$7,500,000.00	
116	2	12667	Garland	M	TX0570010	234,213	Automation of Pump Station Disinfectant Boosting System. The City is utilizing Cityworks to collect information in regards to the City's assets. In future periods, the City will use this information to assess the condition of the assets and prioritize their replacement.	DC	\$87,000.00		Yes-BC	\$87,000.00	
117	2	12738	Quitman	M	TX2500003	1,809	Installation of 12-in transmission line from the WTP to the ground storage tanks at Stephens Street and modification of the transfer pumps at the WTP.	PDC	\$1,603,400.00		Yes-BC	\$105,000.00	
118	1	12698	Harris Co FWSD # 47	D	TX1010260	2,434	Replace old waterline with Class 150 C-900 PVC, installation of new AMR to help identify leaks.	PDC	\$5,581,670.00		Yes-BC	\$5,581,670.00	
119	1	12618	Brooksmith SUD	D	TX0250004	12,697	Replace old water lines, pump station, and radio read meters.	PDC	\$3,714,000.00		Yes-BC	\$2,531,000.00	
120	1	12683	Blooming Grove	M	TX1750001	833	Construct a new water supply well and ground storage tank and create and implement an Asset Management Plan.	PDC	\$1,517,450.00				
121	1	12655	Rosebud	M	TX0730003	1,415	The City proposes to replace broken and/or malfunctioning water meters within their CCN with meters to prevent the water loss and to ensure the safety and well being of its customers. The City intends to prepare their asset management plan with assistance from TCEQ's FMT contractor.	PDC	\$766,100.00		Yes-BC	\$520,000.00	
122	1	12688	White Oak	M	TX0920006	6,544	New raw water reservoir, and prepare and implement an Asset Management Plan.	PDC	\$8,222,500.00				
123	1	12681	Ennis	M	TX0700001	18,674	Failing waterlines with insufficient valving. Frequent breakage causes loss of service, risk of system contamination, and significant water loss. Prepare and implement Asset Management Plan.	PDC	\$8,364,879.00				
124	1	12682	Ennis	M	TX0700001	29,159	Water line replacements in downtown Ennis and create and implement an Asset Management Plan.	PDC	\$4,987,021.00		Yes-BC	\$3,298,600.00	

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<b>Public Water System</b>													
125	0	12624	River Oaks WSC	W	TX1610018	375	Replace lines on two streets and install meters.	P	\$91,000.00				
126	0	12699	Nome	M	TX1230039	409	Rehabilitation the existing Nome surface WTP's items due to flooding from Hurricane Harvey (Urgent Need).	PDC	\$275,000.00				
127	0	12608	Lefors	M	TX0900001	454	In an effort to provide the current water system with an additional potable water well and meet current TCEQ Redundancy requirements, the City of Lefors will perform test holes to verify the quality and quantity of water in the area and help determine the final location of the well. Once the final location of the production well has been determined, land acquisition will ensure. The project will add a necessary sand separator to an existing production well, add necessary valving to the water system, provide improvements to the existing chlorination system, and provide supervisory control and data acquisition (SCADA ) systems which will make for an overall more efficient water system.	PADC	\$987,062.00		Yes-BC	\$987,062.00	
128	0	12731	Granite Shoals	M	TX0270022	603	Construct the following improvements: Increase pumping capacity by 400 gpm. 10,000 gallon hydropneumatic tank to meet TCEQ pressure maintenance requirements. Construct a new pump house.	PDC	\$710,000.00				
129	0	12654	Balmorehea	M	TX1950002	610	The addition of a second water well at the Huelster well field.	PDC	\$300,000.00				
130	0	12700	Royalwood MUD	D	TX1010201	1,982	Update and Modernize Existing Water Plants.	PDC	\$1,461,850.00		Yes-BC	\$375,695.00	
<b>Public Water System Total</b>		<b>130</b>							<b>\$610,047,101.00</b>	<b>70</b>	<b>49</b>	<b>\$205,663,733.00</b>	
<b>Total</b>		<b>130</b>							<b>\$610,047,101.00</b>	<b>70</b>	<b>49</b>	<b>\$205,663,733.00</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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<b>Public Water System</b>												
1	590	12615	Millersview-Doole WSC	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	\$578,000.00	50%			
2	352	12723	Brady	TX1540001	6,059	The City of Brady (City) is the recipient of an Administrative Order from the US-EPA for non-compliance of the SDWA as it pertains to radionuclides levels in drinking water. The City is addressing this matter through the implementation of a major groundwater treatment & transmission project.	C	\$28,717,000.00	50%			
3	151	12635	Rhome	TX2490007	1,598	This project will focus on improving the water treatment and distribution system for the City.	PDC	\$850,000.00		Yes-BC	\$850,000.00	
4	122	12727	Eastland Co WSD	TX0670019	10,100	ECWSD proposes to complete source, treatment and transmission improvements to restore and maintain DBP compliance.	PDC	\$15,184,000.00	70%	Yes-BC	\$15,184,000.00	
5	120	12630	Clyde	TX0300002	11,219	Construct a pipeline and pump stations to transport untreated water from Lake Fort Phantom Hill reservoir to Clyde WTP.	PADC	\$11,550,000.00				
6	82	12732	Granite Shoals	TX0270049	6,663	Construct the following improvements: 250,000 gallon overhead tower. 300,000 gallon clarifier. New chemical building at Water Treatment Plant. Line Replacements.	PDC	\$9,200,000.00				
7	82	12634	Baird	TX0300001	1,530	This project involves the replacement of the old water treatment plant with a new 1.0 MGD microfiltration/ultrafiltration water treatment plant. The new WTP will allow the city to meet TCEQ overall supply and treatment requirements, and it will eliminate the TCEQ violations. Also, this project involves the replacement of old cast iron raw water transmission line with a new PVC raw water line. The city has experienced significant water loss due to leaks in the old raw water line.	PDC	\$5,099,999.90				
8	82	12669	Arp	TX2120001	970	The TCEQ recently cited the City of Arp for having excessive levels of asbestos fibers in their water samples. Furthermore, the AC pipes in town date back from the mid 1960's and have long since passed their useful life. The CIP and GIP water lines date back to the 20's and 30's, and have gone even further past their useful life. The excessive age of the system has lead to deterioration to the point that this little city had over 150 water line breaks last year alone. The goal of this project will be to bring the water quality back up to TCEQ standards while reducing the water loss due to water main breaks. Furthermore, tests by the TRWA circuit-rider indicate that on average the Arp water meters are reading 20% low. The meters are manually read too, which takes up several man-days per month. Therefore, the city would like to replace all of the inaccurate water meters in town with an accurate drive-by water meter system.	PADC	\$5,360,797.00				

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<b>Public Water System</b>												
9	66	12734	Marlin	TX0730002	5,671	Rehabilitation of water treatment plant including clarifier, pumps, piping, electrical system, remove abandoned clear well; replace approximately 37,500 lf of deteriorated and undersized water lines to achieve a reduction of unaccounted for water, meet TCEQ requirements and provide fire protection.	PDC	\$6,425,000.00	70%			
10	65	12675	White Settlement	TX2200081	17,204	The City is currently undertaking the effort to develop a preliminary asset management plan for their water system infrastructure. The scoring system for the condition of facilities was based on several criteria such as pipeline diameter, material, age, capacity, history of repairs and criticality. For above ground facilities some of the criteria included electrical, mechanical, site, structural, etc. For each asset an overall risk score was assigned. The City is seeking this funding to expand on their preliminary asset management efforts to include a full master plan with hydraulic modeling. Through the effort those assets that were identified at high risk of failure and are highly critical have been mapped and preliminary cost estimates have been developed. This project will fund the additional asset management and master planning efforts and the rehabilitation of infrastructure identified as high risk.	PDC	\$2,520,000.00				
11	63	12641	Paint Rock	TX0480012	357	Replace 2,000 feet of 6" AC water line with new PVC pipe.	PDC	\$300,000.00				
12	60	12676	Ellinger Sewer & Water SC	TX0750014	462	Construct new ground storage tank (GST) to replace an existing bolted, galvanized Standpipe built in the early 1970's. The standpipe was inspected and found to have holes in the floor and lower wall sections, was patch repaired in 2016. New piping will be required to reach the new GST location. Additional financial assistance is required to demo and dispose of existing standpipe.	PDC	\$300,000.00	70%			
13	58	12728	Roscoe	TX1770001	1,338	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Roscoe is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$2,253,000.00		Yes-BC	\$2,253,000.00	
14	56	12622	Alice	TX1250001	19,439	Sustainable water resource for the City to reduce current raw water losses: Three (3) test wells; One (1) 1.5 MGD production well; Pilot plant - three (3) modular plants, 1 MGD total. Groundwater project will result in cost reduction and reduction in water losses and provide supplemental water source in times of drought.	PDC	\$4,930,000.00	30%			

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<b>Public Water System</b>												
15	56	12690	Riverside SUD	TX2360010	5,760	Replace undersized water lines and deteriorated storage tanks. Improve treatment with LAS system to address violations.	PDC	\$4,228,005.00				
16	56	12605	Commodore Cove ID	TX0200033	355	Install a Ceramic Ultra Filtration Unit to meet TCEQ requirements.	AC	\$160,000.00				
17	46	12620	Fort Griffin SUD	TX2090005	2,740	0.3 MGD Water Treatment Plant.	PDC	\$1,917,000.00				
18	44	12619	Rotan	TX0760002	1,477	Install 14 miles of new 12" PVC water line to replace existing dilapidated cast iron water line. Existing cast iron line suffers from corrosion issues, high water loss, occasional interruption of service due to needing repairs, high chlorine demand from iron bacteria growth, and disinfection residual issues.	PADC	\$5,200,000.00	50%	Yes-BC	\$5,200,000.00	
19	43	12629	Palo Pinto WSC	TX1820004	347	Replace existing distribution lines and install an elevated storage tank.	PDC	\$1,500,000.00	50%	Yes-BC	\$1,500,000.00	
20	41	12617	Santo SUD	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	\$778,000.00				
21	40	12695	Wolfforth	TX1520005	4,135	Consolidate Wolfforth Place and City of Wolfforth public water systems.	PADC	\$500,000.00	30%			
22	39	12708	Ropesville	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	\$1,237,500.00	50%			
23	37	12646	Green Acres Mobile Home Park	TX0710066	150	Acquire and obtain Arsenic remedy to comply with TCEQ MCL and complete asset management plan.	PDC	\$299,000.00				
24	35	12645	Greater Texoma UA	TX0910011	1,752	Water System Improvements Project to include a new water well, ground storage tank, pump station, other storage, pumping and treatment improvements, distribution lines, and other appurtenances as necessary for project	PADC	\$6,278,000.00	30%			
25	34	12623	Cypress Valley WSC	TX1020088	1,386	New water well for potable water production.	PDC	\$750,000.00				
26	32	12631	Groveton	TX2280001	1,293	Construct Water Well and Transmission Main to supplement current TRA water supply which is seasonally inadequate for current demand, specifically during drought conditions.	PADC	\$2,195,000.00	70%			
27	30	12679	Comanche County WSC	TX0470027	249	Replace the existing inline pump station located on SH 36 with a new 40,000 gallon GST and new pumps. Approximately 40 meters will be taken off the Sipe Springs system with a new pump station and closing of existing valves. Removing these meters from Sipe Springs will bring the system back into compliance with TCEQ.	PDC	\$300,000.00				
28	30	12733	Tom Green Co FWSD # 2	TX2260004	315	Install a 6" discharge line from the backwash tank at the WTP to underground drainage culvert to address TCEQ enforcement order; install a 6" distribution line that will loop the system; renovations to the WTP that will address TCEQ enforcement order.	C	\$300,000.00	50%			

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<b>Public Water System</b>												
29	28	12705	Presidio County	TX1890011	144	Evaluate the two wells separately to review arsenic levels. Absent any blending options the proposed project will evaluate, pilot and construct an arsenic removal treatment to meet primary drinking water standards. Complete an asset management plan.	PDC	\$300,000.00				
30	28	12664	Wolfe City	TX1160005	1,428	This project includes construction of a new well including storage tank and pumps, existing pump station and storage tank improvements and water line replacements in the city of Wolfe City.	PDC	\$4,852,000.00	70%			
31	26	12656	Borden County	TX0170010	238	Installation of Arsenic and Fluoride Removal Equipment.	PDC	\$1,455,000.00				
32	25	12686	Lyford	TX2450003	2,597	Construction of water distribution system improvements including asbestos waterline replacements, looping, and replacement of gate valves.	PDC	\$1,564,484.00	50%			
33	25	12650	Presidio	TX1890002	5,406	Extend water services along HWY 67 as far as the Airport to provide services to the Las Pampas Colonia. Transmission line, Construct an 8,700 LF transmission line between lower treatment water tank and upper storage tank. Pressured Reductions Valves. Construct 0.2 to 0.5 M Gallon Storage Tank.	C	\$4,827,395.00	50%	Yes-BC	\$60,000.00	
34	24	12632	Carbon	TX0670015	272	The project consists of pump station improvements to increase the storage and pumping capacities to meet compliance. The project also consists of installing a SCADA System and a radio read metering system.	PDC	\$700,000.00	70%	Yes-BC	\$700,000.00	
35	24	12662	Beaver Creek WCID # 1	TX0260052	872	The existing privately owned water wells within the Beaver Creek WCID#1 (District) service area have been deemed a health nuisance by the Department of State Health Services. After completion of the EDAP Planning Program, the District proposes to construct a first time service water system in an effort to provide a source of safe drinking water to its residents.	C	\$6,486,462.00	70%	Yes-BC	\$933,000.00	
36	24	12665	Vernon	TX2440001	10,874	Install a new 16 mile 24" PVC pipeline.	PADC	\$11,000,000.00	30%	Yes-BC	\$11,000,000.00	
37	23	12643	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.	C	\$7,449,947.00	30%			
38	23	12612	Gladewater	TX0920001	6,541	Upgrades to existing elevated storage tank, waterlines, and pressure maintenance facilities.	PDC	\$2,776,980.00	30%			

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<b>Public Water System</b>												
39	23	12644	Ector County UD	TX0680235	17,227	The proposed project will add 2,500,000 gallons of elevated storage, 4,000,000 gallons of ground storage, and approximately 11,000,000 gallons per day of firm pumping capacity. The proposed improvements will bring Ector County Utility District into compliance with TCEQ criteria. The proposed projects will increase the reliability of the system and allow Ector Co UD to expand service to nearby residents.	PADC	\$37,196,948.00				
40	23	12649	Throckmorton	TX2240001	882	The proposed project includes water treatment plant improvements to the clarifier, filtration, and disinfection facilities, as well as replacement of approximately 2,000 lf of 2" galvanized waterline with 6" PVC waterline.	PDC	\$300,000.00	30%			
41	23	12692	Upper Jasper Co WA	TX1210060	2,427	Construction of new well, river crossing, line replacement, and storage facilities.	PDC	\$3,127,930.00		Yes-BC	\$1,563,965.00	
42	23	12613	Brookshire MWD	TX2370004	4,879	The Brookshire Municipal Water District (MWD) proposes to replace asbestos cement pipe with PVC C900 pipe in the FM 1489 right-of-way south of Interstate 10, and in a neighborhood north of State Highway 90 and east of FM 362.	DC	\$2,575,000.00	30%			
43	21	12659	Madera Valley WSC	TX1950006	1,983	The addition of a Regional Surface Water Treatment Plant with the goal of providing potable water to rural Reeves County.	PADC	\$2,950,000.00	30%			
44	20	12607	Pendleton Harbor WSC	TX2020020	511	The proposed water system improvements include the replacement of the existing high service pumps to meet the TCEQ requirements for flow and pressure. Also included are upgrades to the electrical system as well as the pump controls.	DC	\$538,725.00	70%			
45	20	12694	Evadale WCID # 1	TX1210011	963	Evadale ECID#1 has a deteriorated water storage tank and deteriorated distribution lines. The WCID also plans to expand water service to match their existing sanitary sewer service area. The addition of a new water production facility (well, EST, HSP and treatment) and replacement/installation of distribution lines will allow them to serve the additional customers with reduced real water loss due to leaks and breaks.	PADC	\$3,000,000.00		Yes-BC	\$200,000.00	



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<b>Public Water System</b>												
46	20	12677	Wills Point	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 catastrophically failed recently forcing the City to implement emergency temporary supply from the Wills Point Reservoir. On Thursday, February 22 the in-line flow meter for the temporary supply line failed resulting in a system wide outage. The purpose of this project is to replace 38,400 linear feet of 12 inch raw water transmission line from the West Tawakoni Intake to the City of Wills Point Water Treatment Plant in order to provide reliable raw water to the City's Water Treatment Plant.	PDC	\$4,806,751.80	30%			
47	20	12704	Athens	TX1070005	12,796	This project will replace a water main along portions of South Prairieville Street, Park Drive, East Clinton Avenue, and South Palestine. This project is intended to address fire flow, pressure, and elevated maintenance requirements.	PDC	\$1,125,862.00	30%			
48	18	12716	Los Fresnos	TX0310004	6,651	The City of Los Fresnos DW State Revolving Funds Project 62627 needs are to increase the water treatment plant capacity to meet future water demands while ensuring minimum disinfection requirements are met. The project will also need to address the Corrective Action Plan resulting from the mandatory Comprehensive Performance Evaluation (mCPE) performed on September 2016 in response to a violation of TCEQ standard 290.104 (g)(1) (relating to Maximum Contaminant Levels, Maximum Residual Disinfectant Levels, Treatment Techniques, and Action Levels).	C	\$2,940,000.00		Yes-BC	\$745,000.00	
49	16	12719	Breckenridge	TX2150001	7,935	The City of Breckenridge is proposing improvements at the WTP and throughout their distribution system to address areas of need.	PDC	\$4,155,000.00	30%			
50	15	12625	Rockdale	TX1660002	5,492	Improvements and rehabilitation of the City of Rockdale's water infrastructure, including improvements, repairs and upgrades to the City's Water Treatment Plant (WTP), pump stations, tanks, meters, and water lines.	PDC	\$45,090,000.00	70%	Yes-BC	\$3,000,000.00	
51	15	12729	Evant	TX0500015	465	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Evant is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$200,000.00	30%	Yes-BC	\$200,000.00	

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Appendix J. 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>												
52	15	12653	Balmerhea	TX1950002	610	The laying of new water lines, the replacement of damaged lines, the removal of abandoned water lines, the bypass of unnecessary water system components, and the removal of unnecessary water system components.	PDC	\$1,590,000.00				
55	15	12722	Granbury	TX1110001	11,193	The City of Granbury is proposing to expand its new brackish desalination WTP to Phase II.	PDC	\$18,444,000.00				
99	5	12673	Reno	TX1840049	2,650	Design and construction of a new 1.0MG elevated storage tank and various water line improvements.	PDC	\$15,326,721.00				
105	3	12609	Canadian	TX1060001	3,370	Replacement of Water Distribution Infrastructure and New Water Meter Installation.	PDC	\$2,039,000.00		Yes-BC	\$418,000.00	
114	2	12687	Eules	TX2200031	53,675	Two groundwater wells are aging and have developed perforations in the casings due to corrosion. The perforations have led to a deterioration in water quality. Project includes: plugging and abandoning the 2 existing wells, drilling 2 new wells, updated disinfection equipment, and constructing new booster pumping facilities.	C	\$10,216,000.00		Yes-BC	\$200,000.00	
115	2	12666	Garland	TX0570010	234,213	Replacing old meters and ITRON 60W end points with new water meters with ITRON 100W end points. In future periods, the City will use this information to assess the condition of the assets and prioritize their replacement.	C	\$7,500,000.00		Yes-BC	\$7,500,000.00	
117	2	12738	Quitman	TX2500003	1,809	Installation of 12-in transmission line from the WTP to the ground storage tanks at Stephens Street and modification of the transfer pumps at the WTP.	PDC	\$1,603,400.00		Yes-BC	\$105,000.00	
122	1	12688	White Oak	TX0920006	6,544	New raw water reservoir, and prepare and implement an Asset Management Plan.	PDC	\$8,222,500.00				
123	1	12681	Ennis	TX0700001	18,674	Failing waterlines with insufficient valving. Frequent breakage causes loss of service, risk of system contamination, and significant water loss. Prepare and implement Asset Management Plan.	PDC	\$8,364,879.00				

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<b>Public Water System</b>													
126	0	12699	Nome	TX1230039	409	Rehabilitation the existing Nome surface WTP's items due to flooding from Hurricane Harvey (Urgent Need).	PDC	\$275,000.00					
130	0	12700	Royalwood MUD	TX1010201	1,982	Update and Modernize Existing Water Plants.	PDC	\$1,461,850.00		Yes-BC	\$375,695.00		
<b>Public Water System Total</b>		<b>62</b>							<b>\$343,372,136.70</b>	<b>30</b>	<b>19</b>	<b>\$51,987,660.00</b>	
<b>Total</b>		<b>62</b>							<b>\$343,372,136.70</b>	<b>30</b>	<b>19</b>	<b>\$51,987,660.00</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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Appendix K. Initial Invited Green Projects**

Rank	Points	PIF #	Entity	PWS ID	Green Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Subsidized Green
<b>Public Water System</b>											
3	151	12635	Rhome	TX2490007	The project consists of replacing existing water lines that are old and deteriorated which cause significant water loss. Replacing the water lines would reduce the City's water loss.	PDC	\$850,000.00		Yes-BC	\$850,000.00	X
4	122	12727	Eastland Co WSD	TX0670019	Replacement of the transmission line will significantly reduce water loss through the transmission line, as well as reducing energy consumption on pumping from the high service pumps at the ECWSD WTP. Additional treatment improvements will reduce water lost through flushing to regain compliance.	PDC	\$15,184,000.00	70%	Yes-BC	\$15,184,000.00	X
13	58	12728	Roscoe	TX1770001	The proposed water line improvements will allow the City to maximize the efficiency of groundwater supplies. The replacement of the pipes will help in decreasing the amount of water loss that is experienced in the system due to leaking pipes.	PDC	\$2,253,000.00		Yes-BC	\$2,253,000.00	X
18	44	12619	Rotan	TX0760002	Existing cast iron water line prone to high water loss will be replaced by PVC water line.	PADC	\$5,200,000.00	50%	Yes-BC	\$5,200,000.00	X
19	43	12629	Palo Pinto WSC	TX1820004	The project consists of replacing old and deteriorated water lines located within the WSC's distribution system. The project also consists of installing an elevated tank to prevent pressure surges caused by pumps turning on and off regularly and causing water line breaks. The green element of the project will consist of water efficiency which will significantly reduce the system's water loss.	PDC	\$1,500,000.00	50%	Yes-BC	\$1,500,000.00	X
33	25	12650	Presidio	TX1890002	Designs should include the green building guidelines for planning, designing and construction for water distribution systems, earthwork, erosion control, and trenching/backfilling work. Sustained practices could involve identifying sites to use surplus materials from other construction projects, and off site use of surplus materials from this project on other projects prior to final disposal	C	\$4,827,395.00	50%	Yes-BC	\$60,000.00	
34	24	12632	Carbon	TX0670015	Installation of a SCADA system and radio read meter system will enable the City to detect leaks sooner and reduce water loss	PDC	\$700,000.00	70%	Yes-BC	\$700,000.00	X

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<b>Public Water System</b>											
35	24	12662	Beaver Creek WCID # 1	TX0260052	<p>Beaver Creek is currently served by private water wells that are unmetered. It will be a green element as a part of this project to include the installation of water meters in this unmetered District. Having water meters and a water rate based on consumption will make residents conscious of water consumption and in turn reduce water consumption. \$171,000.</p> <p>Providing a public water distribution system with public water wells will alleviate the need for hundreds of inefficient private water wells and reduce overall electrical energy consumption within the District. \$540,000.</p> <p>Additionally, trenchless technology will be used in certain instances of distribution pipe installation. This will reduce the overall project ground surface disturbance reducing soil migration from runoff. \$222,000.</p>	C	\$6,486,462.00	70%	Yes-BC	\$933,000.00	
36	24	12665	Vernon	TX2440001	The Category is Water Efficiency. The replacement of the line will eliminate significant water loss. A business case will be submitted, if required.	PADC	\$11,000,000.00	30%	Yes-BC	\$11,000,000.00	X
41	23	12692	Upper Jasper Co WA	TX1210060	Replacement of leaking water lines is expected to decrease the current 50% water loss.	PDC	\$3,127,930.00		Yes-BC	\$1,563,965.00	X
45	20	12694	Evadale WCID # 1	TX1210011	This portion of the project intends to eliminate existing deteriorated production facilities (including pumps and compressors) and degraded distribution lines. This will increase energy efficiency in the production process and will also conserve water by significantly reducing the real water loss experienced during line breaks.	PADC	\$3,000,000.00		Yes-BC	\$200,000.00	
48	18	12716	Los Fresnos	TX0310004	The City is proposing to use variable speed pumps which will reduce pumping costs by 30%. The City is also proposing to control the dosage of its chemicals via SCADA which will maximize efficiency and significantly reduce additional costs.	C	\$2,940,000.00		Yes-BC	\$745,000.00	
50	15	12625	Rockdale	TX1660002	The City plans to install an AMR system and recover lost water through the replacement of lead joint cast iron distribution system pipes.	PDC	\$45,090,000.00	70%	Yes-BC	\$3,000,000.00	
51	15	12729	Evant	TX0500015	The proposed water line improvements will allow the City to maximize the efficiency of groundwater supplies. The replacement of the pipes will help in decreasing the amount of water loss that is experienced in the system due to leaking pipes.	PDC	\$200,000.00	30%	Yes-BC	\$200,000.00	X
105	3	12609	Canadian	TX1060001	Installation of automated meter system enables immediate detection of leaks so that water loss is minimized.	PDC	\$2,039,000.00		Yes-BC	\$418,000.00	

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<b>Public Water System</b>												
114	2	12687	Eules	TX2200031	Outdated booster pumps currently convey groundwater into the City's distribution system. A part of this project will include replacing the existing inefficient booster pumps with new pumps containing NEMA Premium energy efficient motors, which is categorically eligible for green funding. Green funding amount includes cost of pumps, motors, and electrical equipment required for pumps.	C	\$10,216,000.00		Yes-BC	\$200,000.00		
115	2	12666	Garland	TX0570010	By replacing existing meters with advanced metering technology, the amount of non-revenue, or lost water, will be reduced allowing us to provide services more efficiently.	C	\$7,500,000.00		Yes-BC	\$7,500,000.00	X	
117	2	12738	Quitman	TX2500003	The City of Quitman has modified the transmission system to remove 5 services that are directly connected to the existing transmission line. Removing these services reduces the transmission line operating pressure from 80+ psi to approximate 40 psi. The existing pressure tank and associated compressor will be removed. The transfer pumps will be modified to VFD operations so that horsepower for pumping can be reduced when demands allows. All of these changes will significantly impact the electrical consumption at the plant.	PDC	\$1,603,400.00		Yes-BC	\$105,000.00		
130	0	12700	Royalwood MUD	TX1010201	The estimated cost assumes the control buildings and chlorine building will be USGBC LEED Certified and the replacement of the ground storage tanks qualifies for the business case of water efficiency by reducing loss of reclaimed water.	PDC	\$1,461,850.00		Yes-BC	\$375,695.00		
<b>Public Water System Total</b>		<b>19</b>						<b>\$125,179,037.00</b>	<b>9</b>	<b>19</b>	<b>\$51,987,660.00</b>	
<b>Total</b>		<b>19</b>						<b>\$125,179,037.00</b>	<b>9</b>	<b>19</b>	<b>\$51,987,660.00</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