Texas Water Development Board

STATE OF TEXAS

Intended Use Plan

Drinking Water State Revolving Fund

www.twdb.texas.gov/financial/programs/dwsrf

SFY 2018

TEXAS WATER DEVELOPMENT BOARD
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Drinking Water State Revolving Fund

SFY 2018 Intended Use Plan

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Cover Photo: Fort Worth – Placing concrete for one-half of the Break Tank Slab

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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

Drinking Water State Revolving Fund
Acronyms

ACS	American Community Survey
AIS	American Iron & Steel
AMHI	Annual Median Household Income
CWSRF	Clean Water State Revolving Fund
DWSRF	Drinking Water State Revolving Fund
EPA	Environmental Protection Agency
FFY	Federal Fiscal Year
FMT	Financial, Managerial, and Technical
GPR	Green Project Reserve
HCF	Household Cost Factor
IUP	Intended Use Plan
IIPL	Initial Invited Projects List
MCL	Maximum Contaminant Level
NEPA	National Environmental Policy Act
PIF	Project Information Form
PPL	Project Priority List
PWS	Public Water System
SDWA	Safe Drinking Water Act
SFY	State Fiscal Year
SRF	State Revolving Fund
TCEQ	Texas Commission on Environmental Quality
TWDB	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) 2018, a total of $250 Million is available under the DWSRF for all financing options including $16 Million in principal forgiveness. Of the total amount available, $234 Million will be offered at interest rates of 135 basis points below the borrower's market rate level. These savings directly lower the overall cost of providing safe, affordable water to every customer.

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 2018 IUP will be accepted on a first-come, first-served basis throughout the year until the SFY 2019 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. Increased the amount of interest rate subsidy from 125 basis points below market rates to 135 basis points below market rates (Section V).

2. The method used to calculate the Disadvantaged Communities principal forgiveness amount when the project is concurrently receiving other DWSRF principal forgiveness funding has been revised (Section VI).

3. The maximum amount available under the Very Small Systems funding option has increased from $200,000 to $300,000 per project. However, the definition of a single "project" for SFY 2018 includes the planning, acquisition, design and construction phases (Section VI).

4. A limited amount of Urgent Need funding will be available with an additional 100 basis-point reduction in the interest rate. The amount available at the additional reduction in the interest rate will be at least $25 Million in SFY 2018 (Section VI).

5. All projects requesting only loan funds will receive an invitation to submit an application during the initial submission period (Section X and Appendix F).

6. Added the Water Infrastructure Improvements for the Nation Act requirement for certain applicants serving 500 or fewer persons to self-certify that they have considered publicly owned wells as their water source. (Section X).

7. The loan origination fee has been reduced from 2.25% to 2.15%. (Section XII).

8. Projects that previously received certain TWDB Planning, Acquisition and Design financing received an additional 10 points (Appendix C).

V. Amount Available

1. Allocations

Texas will be eligible for a federal capitalization grant from funds appropriated by Congress for Federal Fiscal Year (FFY) 2017. The TWDB will use the grant, along with other available sources of funds, to provide $250,000,000 for projects in this SFY 2018 IUP. The sources of funds include the FFY 2017 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, Subsidized Green funding, Very Small Systems funding, or Urgent Need funding.

The $250,000,000 available for SFY 2018 will be allocated to the following funding options.

Funds Available

Funding Option	Allocation
Disadvantaged Community	$10,000,000
Subsidized Green	$1,000,000
Very Small Systems	$3,000,000
Urgent Need	$2,000,000
Bonds/Loans	$234,000,000
Total	**$250,000,000**

2. Terms Available Under Each Funding Allocation:

Funding Option	Principal Forgiveness	Interest Rate	Origination Fee
Disadvantaged Community	30%, 50%, or 70%*	135 basis points below market **	2.15%***
Subsidized Green	15% of DWSRF-funded Green Costs		
Very Small Systems	Up to $300,000 per project	N/A	N/A
Urgent Need	Up to $500,000 per project	N/A	N/A
Urgent Need – Bond/Loan		Additional 100 basis points below standard DWSRF reduced interest rate ****	2.15%
Bond/Loan	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
**** Amount of Urgent Need funding available with an additional 100 basis point reduction is limited

VI. Funding Options and Terms

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.

1. 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, as illustrated in the following table:

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

This funding option offers a financial assistance component with the interest rate subsidy and 30 percent, 50 percent, or 70 percent of the DWSRF-funded project cost in principal forgiveness. TWDB will calculate the Disadvantaged Communities principal forgiveness amount based on the amount of SRF-funded project costs remaining after subtracting all other DWSRF principal forgiveness funding being provided in SFY 2018 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.

2. 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. Additional information may be found in Appendix E.

3. 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 2018 includes the planning, acquisition, design and construction phases. Projects that received Very Small Systems funds prior to SFY 2018 for only the planning, acquisition, or design phase will be grandfathered to the previous $200,000 maximum for the construction phase of the same project. 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.

4. 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, 2017 project information form submission deadline may be invited in the first round of invitations for funding. 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. Entities may be eligible to receive 100 percent of the total project cost in principal forgiveness up to a total of $500,000 per project. In addition, a particular public water system may only receive a total of $500,000 in principal forgiveness of Urgent Need funds in a program year for all of its projects. If eligible project costs that would have qualified for Urgent Need but exceed the Urgent Need principal forgiveness allowable or available for the project, the entity may receive funding for the remainder with an interest rate that is an additional 100 basis points lower than the standard DWSRF reduced interest rate (but not lower than zero percent) for the term of the financing. To ensure the long-term viability of the program, the amount of funding made available for Urgent Need

projects with an interest rate that is an additional 100 basis points lower than the standard DWSRF reduced interest rate (but not lower than zero percent) for SFY 2018 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. Projects that received Urgent Need funds in SFY 2017 for only the planning, acquisition, or design phase are grandfathered to receive a zero interest rate for the construction phase of the same project.

5. 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, 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.

6. 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.

7. 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 2018, 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 based on the affordability criteria. 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 commitments 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	2.62% *	$14,003,235 **	
DWSRF Program	1.27% *	$12,087,118	
Savings Using DWSRF *		**$1,844,886**	**13%**

* Rates were current as of June 15, 2017. The example above is for illustrative purposes only.
** The market amount used for comparison was $9,808,730.

In this example, the borrower would make approximately $1.8 million dollars, or 13 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. Enhance the DWSRF by cross-collateralizing, if necessary, 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 State Revolving Fund (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.

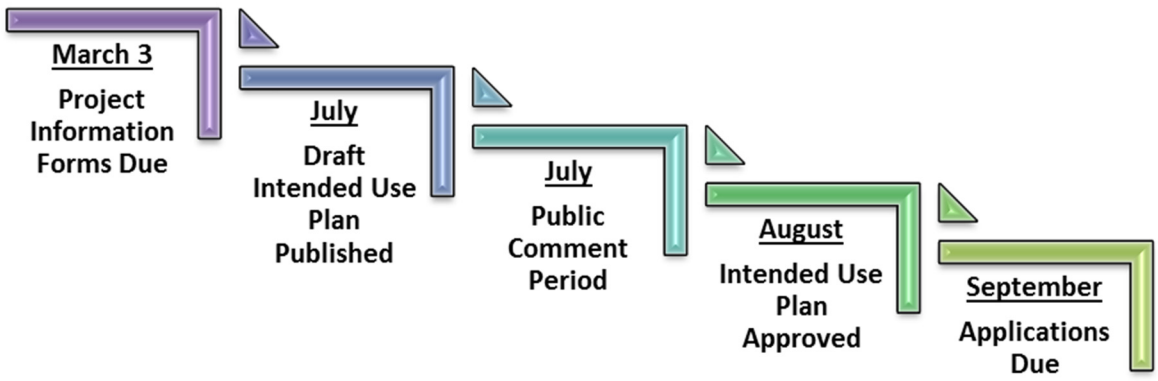
3. Assist borrowers in complying with the requirements of the SDWA by meeting the demands for funding eligible water projects by providing financial assistance with

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 2018.



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 Project Information Forms (PIFs) by the response deadline of March 3, 2017.

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.

B. Updating Projects from the Prior Intended Use Plan

For SFY 2018, 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 3nd deadline was not considered for rating purposes prior to adoption of the initial PPL. Following approval of the IUP, changes to a ranked project that result in a project no longer addressing the issues for which it was rated will require the project to be re-rated and re-ranked. Changes in the project that do not trigger re-rating and re-raking are:

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

The IIPL presented in the IUP (Appendix K) refers to a subset of projects from the PPL and includes only the projects to be invited to apply for funding during the initial invitation round following the Board's approval of the IUP. The IIPL includes the type and amount of funding necessary to meet requirements and goals of the DWSRF, such as Additional Subsidization and Reserve requirements. Based on a review of readiness to proceed to construction, the TWDB determined which phases would be eligible to receive funding during SFY 2018. The phases indicated on the IIPL represent the phases deemed eligible based on that review. Projects that were determined to be ready to proceed to construction were included on the IIPL. If an entity is interested in applying for additional phases of the project not listed on the IIPL 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 2018, all projects requesting only loan funds, without any principal forgiveness, will be included on the IIPL.

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 2018 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 2018. 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. 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.

Principal Forgiveness Type	Commitment Deadline
Disadvantaged Community	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.

Type of Financial Assistance	Closing Deadline
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 on Funding

1. Proportionate Share

The TWDB may limit the amount of funding available to an individual entity based on a proportionate share of total funds available.

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.

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

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.

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 2018 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 2017 Capitalization Grant in the amount of $2,383,600. This amount is based on the third option of four percent of the FFY 2017 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 2017 capitalization grant total $8,950,800 may be used in SFY 2018. Remaining funds from the previous DWSRF grant, except for funds for Local Assistance and Other State Programs, may also be used in SFY 2018.

State Program Management Set Aside from FFY 2017 grant	$5,959,000
Small Systems Technical Assistance Set Aside from FFY 2017 grant	$1,191,800
Local Assistance and Other State Programs Set Aside from FFY 2017 grant	$1,800,000
Total TCEQ Set-Aside amount from FFY 2017 grant	**$8,950,800**

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, 2018.

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 2018 is set at $250,000,000. The amount of the FFY 2017 capitalization grant allotment for the DWSRF program is $59,590,000, with a match of $11,918,000 to be provided by the state. If demand warrants, the TWDB may leverage the DWSRF to provide additional financial assistance to projects. The TWDB will comply with the requirements associated with the FFY 2017 allotment in SFY 2018.

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 2018 that total 120 percent of the amount of a FFY 2017 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 and Cross-collateralization

The DWSRF may be leveraged to provide funds over and above the capitalization grant and state match to assist public water systems meet their needs. In order to leverage, the TWDB may issue debt obligations which would be repaid using repayments from recipients of DWSRF financial assistance. As authorized by the SDWA, Clean Water Act, and the Texas Water Code, the TWDB may use the assets of the DWSRF and the CWSRF as a source of revenue and security for the payment of the principal and interest on revenue bonds for the DWSRF and CWSRF. The authority to cross-collateralize the DWSRF and CWSRF enhances the ability of the DWSRF to leverage its funds and increase its lending capacity without harm to the SRF programs. Prior to cross-collateralizing the DWSRF and CWSRF in SFY 2018, the TWDB will comply with all applicable EPA requirements.

D. Inter-fund Loan / Investment

During SFY 2018, 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.

E. Method of Cash Draw

The method of cash draw for the FFY 2017 capitalization grant is to expend the required state match first, and then federal funds will be drawn at a rate of 100 percent.

F. 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.

G. 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 and are in effect for forty-five days.

H. 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.

I. EPA Program Evaluation Report and Audit

EPA conducted an annual program review of the DWSRF for SFY 2016 through an onsite review occurring from March 27, 2017 to March 30, 2017. EPA sent a draft of the report dated May 31, 2017 for TWDB's review.

The Texas State Auditor's Office published the results of the SFY 2016 Single Audit of the DWSRF on February 21, 2017 (Report 17-314). There were no findings as a result of the review.

XIII. Navigating the Lists

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

- **Appendix G** - The alphabetical list is the PPL sorted alphabetically. It contains the project information; the name of the applying entity, their total number of points and associated priority order rank, the type of system, the system's PWS ID number, the total population based on TCEQ data, a detailed description of the proposed project, all project phases requested by the entity, the estimated construction start date, total project cost, the percentage of principal forgiveness if the project is eligible to receive disadvantaged funding, information regarding included green components, and a reference to any other related PIFs from the current or previous IUPs. A grand total for all of the projects is listed on the last page of the appendix.
- **Appendix H** – Lists projects that were deemed ineligible to receive DWSRF funding with a brief description as to why they were deemed ineligible.
- **Appendix I** – Lists projects that were deemed ineligible to receive disadvantaged funding with a brief description as to why they were deemed ineligible. The project may still be eligible to receive other funding options.
- **Appendix J** – Lists projects in order of highest priority to receive funding. The content is the same as the alphabetical list in Appendix G.

- **Appendix K** – Is the list of projects that will be invited in the initial invitation round. The information provided in this list is similar to the alphabetical and priority order lists. The TWDB has determined which project phases are eligible to receive funding during this SFY, which is depicted in the Phase(s) column. Projects on this list will receive an invitation letter from the TWDB upon Board approval of the IUP. Pertinent notes and the definitions of acronyms and footnotes are listed on the last page of the appendix along with a grand total for the projects.

- **Appendix L** - The Initial Invited Green Projects List is a subset of the IIPL of only projects with green components. The information detailed includes a description of the green components, the categories of those green components, the eligible phases of the project, the total project cost, the total of the green component costs, the type of green project, and whether the proposed project is eligible to receive subsidized green funding. A grand total for the projects is listed on the last page of the appendix along with any pertinent notes and the definitions of acronyms and footnotes.

Appendix A. Public Review and Comment

Public Participation in the Development of the Intended Use Plan

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

A. Notice

To seek public comment on the proposed uses of funds, the draft amended IUP, including the associated lists, was made available for a 30-day public comment period. The draft SFY 2018 DWSRF IUP, dated July 12, 2017, 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.
- A notice of the public hearing was published in the *Texas Register*.
- A copy of the draft IUP was sent to EPA.

B. Comment

Comments were accepted via the following four options from July 12, 2017, until 5:00 P.M. on August 11, 2017.

1. Attending a public hearing that was held on July 28, 2017, at 9:30 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.
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 were responded to on an individual basis and reported to the TWDB's Board at the time of their review of the IUP.

C. Approval

The SFY 2018 DWSRF IUP will be finalized once it is considered and approved by the TWDB's Board.

D. **Documentation**

After Board 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

9/1/2017 to 8/31/2018

(As of May 31, 2017)

SOURCES:	
FFY 2017 Federal Capitalization Grant	$59,590,000
State Match - for FFY 2017 Federal Capitalization Grant	$11,918,000
Undrawn previous grants	$32,243,696
Principal Repayments	$46,622,180
Interest Repayments	$14,224,920
Investment Earnings on Funds	$1,991,364
Cash available	$163,995,626
Additional net leveraging bond proceeds (based on "Projects to be Funded")	$128,050,000
TOTAL SOURCES:	**$458,635,786**
USES:	
Set-Asides from FFY 2017 Grant:	
TWDB Administrative Set-Aside	$2,383,600
Total TWDB Set-Aside:	$2,383,600
TCEQ Small Systems Technical Assistance Program Set-Aside	$1,191,800
TCEQ Texas State Management Program Set-Aside	$5,959,000
TCEQ Local Assistance and Other State Programs Set-Aside	$1,800,000
Total TCEQ Set-Asides	$8,950,800
Set-Asides from prior grant	$5,045,783
Projects to be funded:	
SFY 2018 IUP Commitments – Additional Subsidization	$16,000,000
SFY 2018 IUP Commitments – Bonds/Loans (Available Amount less Addit. Subsidy)	$234,000,000
Total Projects To Be Funded - SFY 2018:	$250,000,000
Projects already pledged	
Commitments [1]	$125,455,889
Applications	$43,368,188
Installment closings during SFY 2018	$10,299,040
Total Projects Already Pledged or being processed:	$179,123,117
Debt Service for Match:	
Principal Payments	$9,166,969
Interest Payments	$3,965,517
Total Debt Service:	$13,132,486
TOTAL USES:	**$458,635,786**
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 2018

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	**Points**
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.	(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 90th percentile lead level divided by the lead action level or the 90th 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	1.00
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

Table 1.

Organic Chemical Contaminants	
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 2018

For SFY 2018, the TWDB will utilize:

(1) U.S. Census 2011-2015 American Community Survey (ACS) 5-year estimates, along with the 2007-2011 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 2018.

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:

			From Entity	Calculation	ACS 2011-2015	Calculation	ACS 2011-2015	Calculation	Calculation
County	Census Tract	Block Group	Total Number of Household Connections	% of TTL Connections	AMHI	Prorated AMHI	Average HH Size	Prorated Average HH Size	Entity's Population Served
Liberty	7006	1	1,105	66.65%	$18,004	$11,999	2.15	1.43	1,583
Liberty	7006	2	302	18.21%	$44,350	$8,078	2.45	0.45	135
Liberty	7006	3	251	15.14%	$46,688	$7,068	3.38	0.51	128
			1,658	100.00%		$27,145		2.39	1,847

County	Census Tract	Block Group	ACS 2011-2015 Unemployment Rate	Calculation Prorated Unemployment Rate	ACS 2011-2015 Prorata Population 2015	ACS 2007-2011 Prorata Population 2011	Calculation Prorata Pop. Change
Liberty	7006	1	23.5%	5.6%	668	991	-323
Liberty	7006	2	27.5%	8.3%	1,259	803	456
Liberty	7006	3	7.9%	3.6%	995	971	24
				17.5%	2,922	2,765	157

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 2018. The following tables are an example of the method used. The TWDB will require use of prorated rates to determine an entity's water and/or sewer bills when applicable.

Prorated Average Monthly Water Bill

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

Prorated Average Monthly Sewer Bill

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

If an entity is requesting disadvantaged community status for a portion of its service area, the combined household cost factor is calculated in the same manner as described above with the exception that the annual project financing cost per customer is calculated using the total household service connections in the full service area (not the portion).

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

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

AMHI will automatically receive Disadvantaged Community status with the lowest available level of principal forgiveness.

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

Appendix E. Federal Requirements and Assurances

A. Federal Requirements

1. Davis-Bacon Wage Rate Requirements

A subrecipient must comply with the requirements of section 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, 2017 (Public Law 115-31), the TWDB is required to provide 20 percent of the capitalization grant of $59,590,000, or $11,918,000, in Additional Subsidization. The TWDB has allocated Additional Subsidization for SFY 2018 as follows:

Funding Option	Additional Subsidy Allocation
Disadvantaged Community	$10,000,000
Subsidized Green	$1,000,000
Very Small Systems	$3,000,000
Urgent Need	$2,000,000
Total	**$16,000,000**

Of the total Additional Subsidization being made available for SFY 2018, an amount equal to $11,918,000 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 May 5, 2017.

6. Green Project Reserve

The capitalization grant for FFY 2017 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. The “TWDB Quality Management Plan,” approved by EPA Region 6 on June 29, 2017, 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 11.2 (QTRAK #16-449), received on September 16, 2016 which is approved through November 4, 2019. The most recent revision was approved by EPA on November 4, 2016.

2. The "TCEQ Quality Management Plan, Revision 22 (2017)" (QTRAK# 17-060) approved on January 12, 2017 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 2017 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, 2016.

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 20, 2016.

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.

Funding Reserves

Reserve	Amount
Green Projects (10% of capitalization grant)	$5,959,000
Small Communities (15% of available funds)	$37,500,000
Extended Terms (75% of available funds)	$187,500,000

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**

   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 less 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	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
113	3	12404	Abilene	M	TX2210001	126,291	The City is proposing to replace approximately 40,000 meters and implement an AMI System.	PDC	$14,120,000.00		Yes-BC	$14,120,000.00	
67	13	12511	Aero Valley Water Service	P	TX0610243	99	Construction of 8" water line, water meter & service, fire hydrants, & 15,000 gal storage tank.	C	$1,506,000.00				
3	306	12503	American Water	P	TX0270014	360	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including Council Creek Village, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$2,879,020.00		Yes-BC	$1,007,657.00	
4	266	12505	American Water	P	TX0270080	240	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including South Council Creek II, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$1,895,940.00		Yes-BC	$663,579.00	
6	134	12504	American Water	P	TX0270041	282	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including South Silver Creek I,II,III, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$2,247,040.00		Yes-BC	$786,500.00	
108	4	12405	Arlington	M	TX2200001	373,162	Install two new 6MG clearwells and replace pump station.	DC	$52,410,000.00		Yes-BC	$52,410,000.00	
109	4	12406	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	
110	4	12407	Arlington	M	TX2200001	373,162	Electrical system upgrades at the John F. Kubala WTP and Pierce-Burch WTP.	DC	$30,235,000.00		Yes-BC	$30,235,000.00	

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Public Water System													
50	17	12272	Aurora	M	TX2490082	509	In order for the City of Aurora to have their own independent water system, they propose to drill a new 80 GPM well in the Trinity Aquifer, construct a 50,000 gallon elevated storage tank, 12-in. raw water line, treatment unit, 12-in. transmission line and telemetry. The City also plans to develop an asset management plan for this new groundwater system.	PDC	$1,050,000.00				
116	3	12273	Bandera	M	TX0100012	1,207	Construction of new water tower and ground storage to come into compliance with TCEQ enforcement order.	ADC	$2,570,000.00				
41	21	12274	Bangs	M	TX0250001	1,674	Construct disinfection facilities and ground storage tank at the City's pump station. Modify elevated storage tank to promote better mixing within the tank and install a dedicated supply line from the pump station to the elevated storage tank.	PDC	$1,600,000.00	30%			
19	66	12408	Barton WSC	W	TX0720013	697	The proposed project will consist of improvements at existing pump station sites, replacing sections of water lines, and installing a radio read meters and system.	PADC	$2,300,000.00		Yes-BC	$2,300,000.00	
77	11	12409	Beaver Creek WCID # 1	D		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%			
126	1	12410	Blooming Grove	M	TX1750001	833	Construct a new water supply well and ground storage tank and create and implement an Asset Management Plan.	PDC	$1,379,500.00				
114	3	12275	Bluegrove WSC	W	TX0390014	75	Bluegrove WSC will replace its 4" main water line through town as well as all necessary connections, valves and meter reconnections.	DC	$200,000.00				
140	0	12411	Bluff Dale WSC	W	TX0720036	267	Drill a second well to comply with the 85% production capacity rule.	DC	$313,900.00				
47	20	12276	Bonham	M	TX0740001	10,044	New water distribution lines.	PDC	$8,759,500.00	50%			
91	10	12277	Booker	M	TX1480001	1,516	The existing waterline is old, and the steady need of spot repairs has increased over the years. By installing new mains, the city can address these ongoing maintenance issues.	DC	$442,042.00				
78	11	12412	Boyd	M	TX2490002	1,300	Creation of an asset management plan, supply, pumping, storage and distribution system improvements.	PADC	$5,842,000.00				

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Public Water System													
2	360	12413	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	$26,090,000.00	50%			
148	0	12278	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				
80	11	12416	Brookesmith SUD	D	TX0250004	12,697	Replace old water lines, pump station, and radio read meters.	PDC	$3,714,000.00	70%	Yes-BC	$2,531,000.00	
38	23	12414	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	$2,423,680.00	30%			
39	23	12415	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	$822,377.00	30%			
74	11	12417	Carbon	M	TX0670015	272	Pump Station Improvements to increase the storage and pumping capacities to meet compliance. Install radio read meter system.	PDC	$700,000.00	70%	Yes-BC	$700,000.00	
27	27	12418	Carrizo Springs	M	TX0640002	5,740	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. Bringing the system up to date requires funding, which the city is not able to provide on its own since we are now completing a wastewater treatment plant project, funded by a loan in the amount of $6,368,000.	PDC	$7,615,777.00	30%	Yes-BC	$5,012,000.00	
149	0	12419	Chandler	M	TX1070006	2,783	New Ground Storage, high service pump station and disinfection system to serve water well #4.	PDC	$782,500.00				
89	10	12420	China	M	TX1230038	1,180	City Plans to construct new water line from the existing water well site to south part of the City for a redundant water feed. City also plans to develop GIS system for the water system.	PDC	$298,000.00	30%			
11	81	12421	Cisco	M	TX0670001	2,577	The goal of this project is to replace the City's existing WTP which suffered a catastrophic failure due to significant flooding on June 2, 2016.	DC	$14,976,000.00	70%			

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Public Water System													
135	0	12279	Comanche County WSC	W	TX0470027	120	AMR metering system.	PDC	$325,000.00		Yes-BC	$325,000.00	
53	16	12422	Combes	M	TX0310021	3,019	Replace analog meters with smart meters and leak detection system; city-wide water distribution system improvements to include looping; design and construct a .75 MGD treatment plant.	PADC	$16,014,755.70	70%	Yes-BC	$1,200,834.00	
137	0	12510	Cooley Point	P	TX2200117	156	Replace deteriorated 2" lead pipes with properly sized PVC piping.	C	$138,780.00				
65	14	12423	Craft-Turney WSC	W	TX0370016	5,064	The system is growing and must plan for increasing water production, distribution and storage capacity. The WSC lacks an Asset Management Plan.	PADC	$1,486,000.00				
118	3	12424	Craft-Turney WSC	W	TX0370016	5,064	Installation of new AMR meters system wide and installation of a leak detection system to help mitigate water loss.	PDC	$1,500,000.00		Yes-BC	$1,065,000.00	
101	6	12280	Creedmoor Maha WSC	W	TX2270008	8,000	Installation of a 12" water line from Aqua WSC connection 1 mile west from the Bastrop and Caldwell County line on Highway 21 to 7701 Old Lockhart Road in Travis County (the Alexander Elevated Tank Site). A booster pump and suction tank will also be installed near the Aqua WSC connection. 12" and 8" water line will also be installed, along Highway 183 and in adjacent areas. Approximately 12 miles of 12" HDPE and 1.8 miles of 8" HDPE will be installed to replace smaller, older existing lines owned by Creedmoor-Maha. Line replacement is a priority, recent monthly system water losses due to leaks have approached 60%.	PADC	$9,655,300.00				
93	10	12281	Crockett	M	TX1130001	6,950	New high service pump station, ground storage tank and elevated tank.	PADC	$2,800,000.00	70%			
88	10	12282	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%			
102	6	12426	D & M WSC	W	TX1740010	4,740	Insufficient water production. Lack of Asset Management Plan.	PDC	$1,570,750.00				
103	6	12427	D & M WSC	W	TX1740010	4,740	Insufficient Water Production. Insufficient Water Storage Capacity. Insufficient Pump and Pressure Vessel Capacity. Lack Asset Management Plan.	PDC	$1,996,775.00		Yes-BC	$125,000.00	
107	4	12428	Del Rio	M	TX2330001	38,710	Replacement of undersized, aging water distribution pipelines.	PDC	$72,872,578.00				

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Public Water System													
20	58	12429	Devine	M	TX1630006	4,529	The City of Devine is proposing to bring its water distribution system up to date to correct deficiencies to comply with TCEQ demand, meet the Texas State Board of Insurance requirements and to comply with the city's subdivision ordinance. Bringing the system up to TCEQ regulations requires funding, which the city is not able to provide on its own.	PDC	$7,815,379.00		Yes-BC	$6,899,500.00	
139	0	12284	Dickens	M	TX0630001	267	Replace existing water storage facility (standpipe) with 2 ground storage tanks and appurtenances. It is not feasible to repair the existing standpipe.	PDC	$729,200.00				
128	1	12430	Dublin	M	TX0720001	4,207	Proposed project will replace water lines, add radio read water meters, and provide a new supply well.	PDC	$3,025,000.00		Yes-BC	$1,626,000.00	
33	24	12431	Eastland	M	TX0670002	3,919	The proposed project will include the installation of new water lines to eliminate leaks and reduce water loss.	PDC	$1,218,000.00	50%	Yes-BC	$1,218,000.00	
21	49	12432	Eastland Co WSD	D	TX0670019	10,100	Water service to customers is always an important subject in a utility's 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 Eastland County Water Supply District is pursuing the implementation of replacing its existing water transmission line to the City of Eastland (one of ECWSD's primary wholesale water customers) to ensure all TCEQ regulations are met and to better serve the customers that are served by this water transmission line.	PDC	$5,084,000.00	50%	Yes-BC	$5,084,000.00	
32	24	12433	Eden	M	TX0480001	2,766	There are several aspects of the City of Eden's (City) water supply system that are in need of improvement. These improvements include increasing the ability of the City's Cooling Tower to lower groundwater temperatures and protection of above ground well equipment against weather elements.	PDC	$6,513,000.00		Yes-BC	$6,513,000.00	
83	10	12285	Edom WSC	W	TX2340009	351	Install distribution improvements.	PDC	$950,000.00	50%			
117	3	12286	Eldorado	M	TX2070001	1,951	Design and Construction of a new 100,000 gallon overhead water tower on property owned by the City of Eldorado, decommission existing 50,000 gallon overhead tank, extend a 6" water line to connect the distribution system with the existing 50,000 gallon overhead tank in the north of town, install a new SCADA system.	PDC	$1,200,000.00				

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Public Water System													
44	20	12287	Ellinger Sewer & Water SC	W	TX750014	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	$200,000.00	50%			
133	1	12434	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	$7,604,435.00				
134	1	12435	Ennis	M	TX0700001	29,159	Water line replacements in downtown Ennis and create and implement an Asset Management Plan.	PDC	$4,533,655.00		Yes-BC	$3,298,600.00	
64	14	12436	Etoile WSC	W	TX1740011	2,122	Well #4, Aerator, Filters, Storage Tanks, Booster Pumps, Water Main, & Related Work to treat organics and reduce TTHM formation, and therefore reduce amount of water currently wasted flush distribution lines. Also Water Meter Replacement with AMR System and preparation of Asset Management Plan.	PADC	$3,735,925.00		Yes-BC	$440,600.00	
45	20	12437	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 and replacement of the existing storage tank and distribution lines will allow them to serve the additional customers with reduced real water loss due to leaks and breaks.	PADC	$2,910,600.00		Yes	$200,000.00	
57	15	12438	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	50%	Yes-BC	$200,000.00	
132	1	12439	Fort Stockton	M	TX1860001	8,650	The City is interested in installing a new natural gas powered electrical generation system to service the Belding Wells and Belding Pump Station.	PADC	$6,025,000.00		Yes-BC	$6,025,000.00	

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Public Water System													
150	0	12288	Freer WCID	D	TX0660002	2,818	This project consists of rehabilitation (sand blasting, painting & repair of structural steel) one (1) 750,000 gallon structural steel standpipe and one (1) 1,000,000 gallon ground storage tank.	DC	$1,425,000.00				
123	2	12289	Gastonia Scurry SUD	D	TX1290015	8,400	The project consists of a 16" transmission line from Seagoville to the Gastonia Pump Station.	PADC	$7,825,000.00				
9	87	12441	G-M WSC	W	TX2020067	13,855	The WSC proposes to construct a new well, groundwater treatment plant, storage tanks, pressure maintenance facilities, and distribution lines. This project is intended to allow the WSC to become independent from the City of Hemphill in accordance with the 2016 East Texas Regional Water Plan.	PDC	$5,431,050.00	50%			
120	2	12442	Graford	M	TX1820003	830	Replace existing water lines.	PADC	$500,000.00		Yes-BC	$500,000.00	
23	39	12509	Green Acres Mobile Home Park	P	TX0710066	150	Acquire and obtain Arsenic remedy to comply with TCEQ MCL and complete asset management plan.	PDC	$198,000.00				
30	25	12290	Groveton	M	TX2280001	1,057	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%			
28	26	12443	Guadalupe Blanco RA	D	TX0290005	24,702	Replacement of Port Lavaca Water Treatment Plant.	DC	$27,641,000.00				
73	12	12444	Gustine	M	TX0470003	496	The proposed project consists of constructing a new elevated storage tank to replacing the existing ground storage tank.	PDC	$500,000.00	30%	Yes-BC	$500,000.00	
147	0	12445	Hale Center	M	TX0950002	2,486	City of Hale Center received an alleged violation from TCEQ regarding the roof of the existing GST.	DC	$362,800.00				
127	1	12446	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	
136	0	12292	Harrold WSC	W	TX2440002	141	Clean, recoat, & repair leaks in elevated storage tank. Repair and/or replace items identified during elevated tank inspection. Replace existing 4" AC supply line with PVC line.	PDC	$200,000.00				
71	13	12293	Haskell	M	TX1040001	3,235	Replace existing water meters with an automatic meter reading (AMR) system.	PDC	$900,000.00	30%	Yes-BC	$900,000.00	
153	0	12294	High Point WSC	W	TX1290016	4,000	The proposed project consists of removal of the existing storage tanks at both the pump stations and replacing with new tanks, and re configuring the pump stations.	DC	$3,354,000.00				
94	10	12447	Hillsboro	M	TX1090001	8,360	City of Hillsboro New Elevated Storage and Water System Improvements.	PADC	$2,675,000.00	50%			

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Public Water System													
25	33	12448	Huntington	M	TX0030002	2,268	The distribution lines are failing and/or undersized. This project proposes to replace deteriorated and undersized distribution lines.	PDC	$1,953,300.00	50%	Yes-BC	$1,953,300.00	
49	18	12449	Italy	M	TX0700028	1,900	This Southern Ellis County Regional treated water system will convey water from the City of Waxahachie's Howard Road Water Treatment Plant via a 12-inch pipeline, approximately 12 miles south, to supply water to the City of Italy. Along the way, a number of other entities can also be served including South Ellis Water Supply and the Nash Forreston Water Supply, among other small municipalities.	AD	$1,825,000.00				
119	2	12295	Jayton	M	TX1320001	614	Replace sections of existing cast iron water line inside City limits with new PVC lines. These PVC lines will be corrosion resistant thereby improving flow and be less prone to breaks and leakage which will help the City lower water loss.	PDC	$200,000.00				
69	13	12296	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	$2,910,000.00	50%	Yes-BC	$2,910,000.00	
31	25	12450	Kemp	M	TX1290004	1,256	The City of Kemp's raw water pump stations are in need of rehabilitation due to equipment failures and poor raw water quality, the water treatment plant is in need of major repairs and updates to improve treated water quality, and the drinking water distribution system has a long history of breakages and is in need of rehabilitation for better system reliability.	PDC	$6,555,000.00	70%	Yes-BC	$1,362,099.00	
34	24	12451	Kirbyville	M	TX1210002	2,409	This project intends to replace an existing elevated storage tank that is severely deteriorated, rehabilitate unreliable high service pumps, and replace deteriorated water lines with excessive leaks and required repairs.	PDC	$1,956,700.00	50%	Yes-BC	$1,276,700.00	
68	13	12297	Ladonia	M	TX0740004	621	New water distribution lines. Rehabilitate existing tank and re-coat with modern coating system.	C	$3,121,000.00	70%			
8	100	12452	Lake Texoma VFW Post 7873	P	TX0910086	114	Interconnection to neighboring Ridgecrest water system to resolve EPA Order for groundwater with radium and gross alpha, install water meters, replace undersized water lines and complete an asset management plan.	PDC	$200,000.00		Yes-BC	$99,900.00	

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Public Water System													
7	108	12453	Lawn	M	TX2210005	666	Abandon WTP and construct new treated water supply from a wholesale supplier. New water supply with less TOC, more stable water and less precursors for DBPs. Abandon WTP and construct new treated water supply. Abandon WTP and construct new treated water supply and build taller standpipe in Lawn. Abandon WTP and replace old and deteriorated water lines. Abandon WTP and construct new treated water supply with less TOC, more stable water, and less precursors for DBPs.	C	$3,620,000.00	70%			
43	21	12454	Littlefield	M	TX1400003	6,454	Replace existing main well field transmission line.	PDC	$10,988,710.00	50%			
92	10	12298	Llano	M	TX1500001	3,313	The proposed project consists of phasing out asbestos cement (AC) piping in Llano's water distribution system along Sandstone Street. The proposed AC piping to be replaced in the proposed project includes a total of 4,000 L.F. of 8" and 12" piping located on Sandstone Street, as well as a section of Oatman Street and Haynie Street. Concurrent with this project, the City of Llano is applying for a CWSRF loan to replace a gravity sewer line along the same streets (Project Title: Main Street Trunk Line Replacement). The proposed project will be constructed in the same construction contract as the Main Street Trunk Line Replacement project.	C	$869,301.00	50%			
85	10	12299	Log Cabin	M	TX1070121	572	The proposed project is painting of the ground storage tanks and repair the roofs.	PDC	$146,000.00	50%			
18	68	12455	Los Fresnos	M	TX0310004	6,280	The city recently had high turbidity readings and underwent a Comprehensive Performance Evaluation of the Potable Water Plant System and Operations that yielded several performance limiting factors that need to be addressed. The plant also needs to be expanded to a capacity of 0.5 MGD to meet TCEQ requirements. In addition the distribution system is comprised of aging asbestos cement pipes and faulty fire hydrants and water valves that need to be replaced along with additional pipe needed for looping.	C	$6,251,635.00		Yes-BC	$420,000.00	
82	10	12456	Loving WSC	W	TX2520006	200	Replace existing 2-inch and 1-inch pipelines with PVC piping. Replace one existing ground storage tank with new tank that matched height of remaining tank. Adjust height of 2nd hydrotank to match original tank.	PDC	$753,000.00	50%			

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Public Water System													
29	26	12457	Lyford	M	TX2450003	2,611	Construction of alternate 24" raw water line, water distribution system improvements including looping, installation of AMI and replacement of analog water meters with smart meters.	PADC	$17,813,334.90	70%	Yes-BC	$977,114.00	
129	1	12300	Madisonville	M	TX1570001	4,518	Project will increase water efficiency via install of radio read meters, replacement of existing 10" control valve which delivers water from higher to lower pressure plane, and provide the City with ability to install isolation valves in an effort to reduce water loss during line repairs. There is an informal plan maintained on a spreadsheet by the Financial Director that depreciates assets, but no formal plan. A formal plan could be instituted when required by funding.	PDC	$1,866,270.00		Yes-BC	$1,866,270.00	
144	0	12301	Magnolia	M	TX1700020	1,704	Construct new plant site to include new water well, ground storage tank, elevated storage tank, booster pump station, generator, and all related yard piping. Construct transmission line to tie new plant site into the system. Replace existing ground storage tank at Well No. 1 site.	PADC	$6,138,732.00				
10	81	12458	Mason	M	TX1600001	2,114	The City of Mason (City) is addressing the need to improve its water system as a result of violations noted by the Texas Commission on Environmental Quality (TCEQ).	PDC	$8,500,000.00	50%			
52	16	12459	McAllen	M	TX1080006	140,000	The funding request will be used to fund the following improvements: Expand capacity at the South Water Treatment Plant by 4 MGD. This will be accomplished by improvements to the Clarifiers as well as the gravity filters. The project will also include improvements to SCADA and Filter Control Systems at both the South Water Treatment Plant and the North Water Treatment Plant. The project also includes the construction of an 18" - 24" Raw Water Supply Line as well as the construction of an 18" Transmission Line.	C	$12,000,000.00				
81	10	12302	Melvin	M	TX1540003	178	The City will replace the pumps, and add necessary valves, meters and other fixtures, as well as the piping assembly in the pump station. The City will also replace distribution main throughout town.	PDC	$200,000.00	50%			

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Public Water System													
99	9	12460	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	$2,878,000.00		Yes-BC	$2,878,000.00	
55	16	12303	Mexia	M	TX1470004	7,459	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	
100	7	12461	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	
1	545	12462	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	$578,000.00				
143	0	12463	Moore WSC	W	TX0820012	717	Moore WSC has experienced a total loss of a well, leaving the system with only one functioning well. Project will entail the drilling a new well, to replace the failed one, at the same plant site as the failed well.	PDC	$554,187.50				
37	23	12304	Morton Valley WSC	W	TX0670018	616	Replace section of existing distribution system line.	PDC	$200,000.00	70%	Yes-BC	$200,000.00	
70	13	12464	Newton	M	TX1760001	2,227	City plans to construct new water well and associated 12" raw water line to water treatment plant, and pressure booster station.	PADC	$2,000,000.00	30%			
125	1	12305	North San Saba WSC	W	TX2060003	693	The proposed project is a AMR meter system to improve efficiency and decrease water loss.	PDC	$200,000.00		Yes-BC	$200,000.00	

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Public Water System													
61	14	12465	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%			
115	3	12306	Oakmont Saddle Mountain WSC	W	TX1930015	324	Construct well #4. Funds are being requested to construct the water tight concrete basin, installation of pump and associated piping, electrical and all appurtenances. Authorization to construct this spring water source well was issued by TCEQ letter dated October 23, 2014.	C	$320,000.00				
84	10	12307	Paint Rock	M	TX0480012	357	Replace 2,000 feet of 6" AC water line with new PVC pipe.	PDC	$200,000.00				
72	12	12466	Palo Pinto WSC	W	TX1820004	347	Replacing existing distribution lines and install an elevated storage tank.	PDC	$1,500,000.00	50%	Yes-BC	$1,500,000.00	
15	77	12308	Paradise	M	TX2490010	468	Piping changes in the existing elevated tank (ET) to reduce short-circuiting; aeration of the water supplied to the ET followed by a new chloramination system.	C	$331,900.00				
111	3	12467	Parker County SUD	D	TX1840025	370	0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PADC	$1,200,000.00		Yes-BC	$1,200,000.00	
26	29	12309	Presidio County	C	TX1890011	120	To 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. Also to complete an asset management plan.	PDC	$199,900.00				
121	2	12468	Quitman	M	TX2500003	1,809	Modifications to the existing WTP including treatment units and equipment. Installation of 12-in transmission line from the WTP to the ground storage tanks at Stephens Street.	PADC	$6,472,368.00		Yes-BC	$105,000.00	

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Public Water System													
40	21	12469	Ramirez Common School District	D	TX0660024	50	The Ramirez Common School District is in URGENT NEED of a new PUBLIC WATER SUPPLY for the health and safety of its staff and students. Historically, potable water was provided to the school from the 150' well at the church across the road, but recent samples have tested positive for coliforms, E. Coli, and unsafe levels of arsenic. For this isolated population, the development of a public water well is required by state law, and will involve land acquisition, water source protection, a source (construction of the well and other elements), transmission, storage, treatment, and other expenses based on an AWW A design.	PADC	$445,750.00	70%	Yes-BC	$26,300.00	
87	10	12311	Red Creek MUD	D	TX2260101	847	Red Creek MUD proposed to upsize approximately 29,000 linear feet of water line to 6" water lines and add a generator to the Bristow plant for emergency operation.	DC	$945,300.00	30%			
5	157	12470	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	
16	74	12471	Riesel	M	TX1550040	1,009	Secure and deliver treated water from City of Waco for dilution to less than MCL.	PADC	$4,700,000.00				
122	2	12310	River Acres WSC	W	TX1780013	2,149	The project entails the replacement of old lines, valves, service lines, water meters, and hydrants, with new infrastructure, that includes the installation of nearly nine (9) miles (46,034 linear feet) of new PVC water lines, gate valves, hydrants, service connections, automated meter (AMR) systems including reconciliation hardware and software. This project is spread over three (2) priority areas for the purpose of phasing construction and to assist with the financial management of the improvements over an extended period of time. This financial management will be detailed in conjunction with the preparation of an Asset Management Plan.	C	$6,500,000.00		Yes-BC	$6,500,000.00	
141	0	12312	River Oaks WSC	W	TX1610018	375	Replace lines on two streets and install meters.	PAC	$100,000.00				
12	79	12313	Rochelle WSC	W	TX1540004	372	Construct a treatment plant at the existing main pump station site to treat water prior to entering the distribution system.	PD	$72,500.00				
13	79	12314	Rochelle WSC	W	TX1540004	372	Establish agreement with Richland Springs SUD to purchase treated water. Construct waterline from agreed upon take-point to transfer treated water from Richland Springs SUB system to Rochelle WSC distribution system.	PDC	$475,000.00				

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Public Water System													
14	79	12315	Rochelle WSC	W	TX1540004	372	Construct a treatment plant at the existing main pump station site to treat water prior to entering the distribution system.	PDC	$475,000.00				
63	14	12472	Rogers	M	TX0140004	974	Water System Improvements Project.	PDC	$2,420,000.00				
56	15	12473	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	$25,374,000.00	70%	Yes-BC	$25,374,000.00	
24	36	12474	Ropesville	M	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	$1,237,500.00	50%			
51	17	12475	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	$2,166,000.00		Yes-BC	$2,166,000.00	
90	10	12476	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	30%	Yes-BC	$520,000.00	
145	0	12477	Royalwood MUD	D	TX1010201	1,982	Update and Modernize Existing Water Plants.	PDC	$1,461,850.00		Yes-BC	$375,695.00	
130	1	12478	Rusk	M	TX0370003	5,618	New Groundwater Source Water Well.	PADC	$1,693,346.00				
131	1	12479	Rusk	M	TX0370003	5,618	Install 8" Water Line on FM 343 West. Rehabilitation of Two Elevated Storage Tanks.	PDC	$1,649,950.00				
97	10	12482	San Antonio Water System	M	TX0150018	1,659,593	LaRosa Pump Station Upgrade - Rehabilitate the pump station.	C	$4,997,112.00				
98	10	12483	San Antonio Water System	M	TX0150018	1,659,593	Pleasanton Road Water Main Replacement - Replace undersized water mains.	AC	$7,110,430.00				
154	0	12480	San Antonio Water System	M	TX0150018	1,659,593	Zarzamora Pump Station Upgrade.	C	$9,782,362.00				
155	0	12481	San Antonio Water System	M	TX0150018	1,659,593	Basin Pump Station Improvements, Phase 2 - Complete the rehabilitation of the pump station.	C	$19,136,520.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
156	0	12484	San Antonio Water System	M	TX0150018	1,659,593	Wurzbach Pump Station Improvements - Rehabilitate a primary pump station.	C	$17,333,240.00				
22	43	12316	San Benito	M	TX0310007	24,506	Water Treatment Plant No. 1 Rehabilitation - New Pumps, Piping, Filter Media, Controls, Chemical Feed Systems, Ray Water Intakes and Lab Building. Water Treatment Plan No. 2 Retrofit - New Pretreatment Facilities, Membrane Filtration & Treatment Systems, Yard Piping and Related Sitework & Electrical improvements. New Generator for WTP No. 2.	ADC	$11,203,380.00	50%			
79	11	12485	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.	PD	$320,000.00	50%	Yes-BC	$1,100,000.00	
95	10	12317	San Juan	M	TX1080010	24,166	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	$3,903,350.00	30%			
96	10	12318	San Juan	M	TX1080010	24,166	Rehabilitate and upgrade existing plant to current standards.	C	$6,975,000.00	30%			
46	20	12319	San Saba	M	TX2060001	4,221	New 6" and 8" water mains are proposed to replace the dilapidated lines.	C	$1,870,000.00	30%			
138	0	12486	Sandbranch		Pending	190	Install a water system to an existing development.	PADC	$3,500,000.00				
58	15	12487	Santa Anna	M	TX0420002	1,081	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 Santa Anna 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	$1,082,000.00	30%	Yes-BC	$1,082,000.00	
146	0	12488	Santo SUD	D	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	$778,000.00				
152	0	12489	Smithville	M	TX0110003	3,890	Proposed project is the construction of a 16 inch water line extension to serve the City of Smithville Airport property. The project will included approximately 3800 linear feet of 16 inch water line, valves, fire hydrants and other appurtenances.	PDC	$449,000.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
17	71	12320	Springtown	M	TX1840003	2,741	Springtown is a city of about 2,700 people located in the northern Parker County. The city gets its current water supply from Eagle Mountain Lake and water wells in the Trinity Aquifer and its own water treatment plant (using raw water purchased from TRWD). This project will provide additional water from the Trinity Aquifer from new ells. The new wells will provide the city better water supply mix between surface and ground water. This mix of sources provides redundant water supply and lessens surface water dependency which can be adversely influenced in times of drought. The proposed wells will be designed and constructed to TCEQ public water well standards and then pumped into ground storage tanks. From the tanks, the water will be pumped into the city's water system.	DC	$1,430,000.00				
124	2	12321	Springtown	M	TX1840003	2,741	Replace aging water infrastructure with the upcoming highway improvements along FM 51. The improvements will replace approximately 4350 LF of old water lines with new water lines.	C	$760,000.00		Yes-BC	$676,100.00	
104	4	12322	Stephens Regional SUD	D	TX2150007	3,045	Replace existing meters with an AMR metering system.	PDC	$639,000.00		Yes-BC	$639,000.00	
62	14	12490	Stryker Lake WSC	W	TX0370033	870	New water plant with ground storage tank, high service pump station and treatment. Replace aging water line.	PDC	$1,059,894.00	50%			
86	10	12323	Throckmorton	M	TX2240001	738	Treatment, Storage, & Waterline Improvements.	PDC	$200,000.00	30%			
112	3	12491	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.	PADC	$3,923,000.00		Yes-BC	$3,923,000.00	
54	16	12324	Valley MUD # 2	D	TX0310059	3,952	This project involves replacing and enlarging the some of the aging water distribution lines. Specific project elements include the installation of approximately 12,850 feet of various diameter waterlines aimed at reducing overall treated water losses and improving water distribution systems efficiencies. The proposed project will require both design and construction funds to complete the improvements.	PDC	$1,408,440.00				
35	24	12492	Vernon	M	TX2440001	10,874	Install a new 16 mile 24" pipeline.	PADC	$12,314,000.00	50%	Yes-BC	$12,314,000.00	
66	13	12493	Vinton	M	TX0710151	2,519	The proposed project will consist of the installation of new high capacity water lines in Phase II. These new lines will be able to maintain minimum pressure and fire flow. A service fee from EP Water will be needed to allow EP Water to provide adequate water storage for Vinton.	DC	$12,782,746.00	70%			

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
36	23	12508	West Oaks Phoenix Water Supply	P	TX1160097	27	The West Oaks Phoenix Water Supply (WOP) is in regulatory compliance. There is a desperate need for a new Water Well, Ground Storage Tank, Pressure Tank & Booster Pumps.	PC	$250,000.00				
59	15	12494	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	$1,636,160.00	50%			
60	14	12495	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. 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.	PDC	$1,046,900.00	30%			
105	4	12496	White Oak	M	TX0920006	6,544	New Pump Station and Raw Water Line. Prepare and implement an Asset Management Plan.	PDC	$5,090,000.00				
106	4	12497	White Oak	M	TX0920006	6,544	New raw water reservoir, and prepare and implement an Asset Management Plan.	PDC	$7,475,000.00				
142	0	12498	Whiteface	M	TX0400002	449	Replacement of an old "witches hat" elevated storage facility.	PDC	$431,850.00				
42	21	12499	Wills Point	M	TX2340005	3,524	The City has been cited for no air gap for the filter to waste connection. Rehabilitation of the waste discharge pond and the addition of new filters will provide the City an opportunity to address the issue and upgrade the plant by providing additional capacity as well as allow time for filters to settle after backwash.	PDC	$3,947,760.00	30%	Yes-BC	$168,000.00	
151	0	12325	Wills Point	M	TX2340005	3,518	The proposed Water Treatment Plant Improvements will include replacement of the existing filters constructed in 196 with high rate dual media filter, piping for filter to waste capability, installation of an additional clearwell, raw water pump revisions, sludge lagoon upgrades.	PDC	$4,876,500.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
48	18	12500	Wolfe City	M	TX1160005	1,795	Re-coat existing elevated storage tank. Replace existing water lines with new 6" and 8" water lines. Install one or two new wells.	PDC	$8,130,000.00	70%	Yes-BC	$8,130,000.00	
75	11	12501	Woodloch	M	TX1700112	836	Replacement of the old hydropneumatic tank No. 2.	PADC	$200,000.00	70%			
76	11	12502	Woodloch	M	TX1700112	836	Improvements to the Woodloch water plant including but not limited to the demolition of existing ground storage tank, installation of new booster pumps, yard piping, recoating, and controls. Also, the repair of leaks and damages to the distribution system.	PADC	$200,000.00	70%			
Public Water System Total		**156**							**$749,362,669.10**	**63**	**60**	**$254,670,418.00**	
Total		**156**							**$749,362,669.10**	**63**	**60**	**$254,670,418.00**	

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

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Appendix H. Alphabetic List of Ineligible Projects

	PIF #	Entity	Project Cost	Ineligible Description
	12446	Harris Co. MUD #50	$1,500,000	Ineligible Proposed Project

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Appendix I. Projects Ineligible for Disadvantaged Status

Projects listed are not eligible for Disadvantaged Community funding but are eligible for low-interest financing.

	PIF	Entity	Project Cost	Ineligible
1	12273	Bandera	$2,570,000	AMHI
2	12277	Booker	$442,042	AMHI
3	12278	Bronte	$925,000	AMHI
4	12284	Dickens	$729,200	AMHI
5	12286	Eldorado	$1,200,000	AMHI
6	12445	Hale Center	$362,800	HCF
7	12300	Madisonville	$1,866,270	HCF
8	12307	Paint Rock	$200,000	AMHI
9	12310	River Acres WSC	$6,500,000	AMHI
10	12313	Rochelle WSC	$475,000	AMHI
11	12314	Rochelle WSC	$475,000	AMHI
12	12315	Rochelle WSC	$475,000	AMHI
13	12489	Smithville	$449,000	HCF
		Total	**$16,669,312**	

AAMHI = Adjusted Annual Median Household Income was greater than 75% of the State AAMHI.
HCF = Household Cost Factor did not meet the minimum threshold.

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
1	545	12462	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	$578,000.00				
2	360	12413	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	$26,090,000.00	50%			
3	306	12503	American Water	P	TX0270014	360	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including Council Creek Village, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$2,879,020.00		Yes-BC	$1,007,657.00	
4	266	12505	American Water	P	TX0270080	240	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including South Council Creek II, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$1,895,940.00		Yes-BC	$663,579.00	
5	157	12470	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	
6	134	12504	American Water	P	TX0270041	282	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including South Silver Creek I,II,III, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$2,247,040.00		Yes-BC	$786,500.00	

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
7	108	12453	Lawn	M	TX2210005	666	Abandon WTP and construct new treated water supply from a wholesale supplier. New water supply with less TOC, more stable water and less precursors for DBPs. Abandon WTP and construct new treated water supply. Abandon WTP and construct new treated water supply and build taller standpipe in Lawn. Abandon WTP and replace old and deteriorated water lines. Abandon WTP and construct new treated water supply with less TOC, more stable water, and less precursors for DBPs.	C	$3,620,000.00	70%			
8	100	12452	Lake Texoma VFW Post 7873	P	TX0910086	114	Interconnection to neighboring Ridgecrest water system to resolve EPA Order for groundwater with radium and gross alpha, install water meters, replace undersized water lines and complete an asset management plan.	PDC	$200,000.00		Yes-BC	$99,900.00	
9	87	12441	G-M WSC	W	TX2020067	13,855	The WSC proposes to construct a new well, groundwater treatment plant, storage tanks, pressure maintenance facilities, and distribution lines. This project is intended to allow the WSC to become independent from the City of Hemphill in accordance with the 2016 East Texas Regional Water Plan.	PDC	$5,431,050.00	50%			
10	81	12458	Mason	M	TX1600001	2,114	The City of Mason (City) is addressing the need to improve its water system as a result of violations noted by the Texas Commission on Environmental Quality (TCEQ).	PDC	$8,500,000.00	50%			
11	81	12421	Cisco	M	TX0670001	2,577	The goal of this project is to replace the City's existing WTP which suffered a catastrophic failure due to significant flooding on June 2, 2016.	DC	$14,976,000.00	70%			
12	79	12313	Rochelle WSC	W	TX1540004	372	Construct a treatment plant at the existing main pump station site to treat water prior to entering the distribution system.	PD	$72,500.00				
13	79	12314	Rochelle WSC	W	TX1540004	372	Establish agreement with Richland Springs SUD to purchase treated water. Construct waterline from agreed upon take-point to transfer treated water from Richland Springs SUB system to Rochelle WSC distribution system.	PDC	$475,000.00				
14	79	12315	Rochelle WSC	W	TX1540004	372	Construct a treatment plant at the existing main pump station site to treat water prior to entering the distribution system.	PDC	$475,000.00				
15	77	12308	Paradise	M	TX2490010	468	Piping changes in the existing elevated tank (ET) to reduce short-circuiting; aeration of the water supplied to the ET followed by a new chloramination system.	C	$331,900.00				
16	74	12471	Riesel	M	TX1550040	1,009	Secure and deliver treated water from City of Waco for dilution to less than MCL.	PADC	$4,700,000.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
17	71	12320	Springtown	M	TX1840003	2,741	Springtown is a city of about 2,700 people located in the northern Parker County. The city gets its current water supply from Eagle Mountain Lake and water wells in the Trinity Aquifer and its own water treatment plant (using raw water purchased from TRWD). This project will provide additional water from the Trinity Aquifer from new ells. The new wells will provide the city better water supply mix between surface and ground water. This mix of sources provides redundant water supply and lessens surface water dependency which can be adversely influenced in times of drought. The proposed wells will be designed and constructed to TCEQ public water well standards and then pumped into ground storage tanks. From the tanks, the water will be pumped into the city's water system.	DC	$1,430,000.00				
18	68	12455	Los Fresnos	M	TX0310004	6,280	The city recently had high turbidity readings and underwent a Comprehensive Performance Evaluation of the Potable Water Plant System and Operations that yielded several performance limiting factors that need to be addressed. The plant also needs to be expanded to a capacity of 0.5 MGD to meet TCEQ requirements. In addition the distribution system is comprised of aging asbestos cement pipes and faulty fire hydrants and water valves that need to be replaced along with additional pipe needed for looping.	C	$6,251,635.00		Yes-BC	$420,000.00	
19	66	12408	Barton WSC	W	TX0720013	697	The proposed project will consist of improvements at existing pump station sites, replacing sections of water lines, and installing a radio read meters and system.	PADC	$2,300,000.00		Yes-BC	$2,300,000.00	
20	58	12429	Devine	M	TX1630006	4,529	The City of Devine is proposing to bring its water distribution system up to date to correct deficiencies to comply with TCEQ demand, meet the Texas State Board of Insurance requirements and to comply with the city’s subdivision ordinance. Bringing the system up to TCEQ regulations requires funding, which the city is not able to provide on its own.	PDC	$7,815,379.00		Yes-BC	$6,899,500.00	

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
21	49	12432	Eastland Co WSD	D	TX0670019	10,100	Water service to customers is always an important subject in a utility's 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 Eastland County Water Supply District is pursuing the implementation of replacing its existing water transmission line to the City of Eastland (one of ECWSD's primary wholesale water customers) to ensure all TCEQ regulations are met and to better serve the customers that are served by this water transmission line.	PDC	$5,084,000.00	50%	Yes-BC	$5,084,000.00	
22	43	12316	San Benito	M	TX0310007	24,506	Water Treatment Plant No. 1 Rehabilitation - New Pumps, Piping, Filter Media, Controls, Chemical Feed Systems, Ray Water Intakes and Lab Building. Water Treatment Plan No. 2 Retrofit - New Pretreatment Facilities, Membrane Filtration & Treatment Systems, Yard Piping and Related Sitework & Electrical improvements. New Generator for WTP No. 2.	ADC	$11,203,380.00	50%			
23	39	12509	Green Acres Mobile Home Park	P	TX0710066	150	Acquire and obtain Arsenic remedy to comply with TCEQ MCL and complete asset management plan.	PDC	$198,000.00				
24	36	12474	Ropesville	M	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	$1,237,500.00	50%			
25	33	12448	Huntington	M	TX0030002	2,268	The distribution lines are failing and/or undersized. This project proposes to replace deteriorated and undersized distribution lines.	PDC	$1,953,300.00	50%	Yes-BC	$1,953,300.00	
26	29	12309	Presidio County	C	TX1890011	120	To 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. Also to complete an asset management plan.	PDC	$199,900.00				
27	27	12418	Carrizo Springs	M	TX0640002	5,740	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. Bringing the system up to date requires funding, which the city is not able to provide on its own since we are now completing a wastewater treatment plant project, funded by a loan in the amount of $6,368,000.	PDC	$7,615,777.00	30%	Yes-BC	$5,012,000.00	
28	26	12443	Guadalupe Blanco RA	D	TX0290005	24,702	Replacement of Port Lavaca Water Treatment Plant.	DC	$27,641,000.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
29	26	12457	Lyford	M	TX2450003	2,611	Construction of alternate 24" raw water line, water distribution system improvements including looping, installation of AMI and replacement of analog water meters with smart meters.	PADC	$17,813,334.90	70%	Yes-BC	$977,114.00	
30	25	12290	Groveton	M	TX2280001	1,057	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%			
31	25	12450	Kemp	M	TX1290004	1,256	The City of Kemp's raw water pump stations are in need of rehabilitation due to equipment failures and poor raw water quality, the water treatment plant is in need of major repairs and updates to improve treated water quality, and the drinking water distribution system has a long history of breakages and is in need of rehabilitation for better system reliability.	PDC	$6,555,000.00	70%	Yes-BC	$1,362,099.00	
32	24	12433	Eden	M	TX0480001	2,766	There are several aspects of the City of Eden’s (City) water supply system that are in need of improvement. These improvements include increasing the ability of the City’s Cooling Tower to lower groundwater temperatures and protection of above ground well equipment against weather elements.	PDC	$6,513,000.00		Yes-BC	$6,513,000.00	
33	24	12431	Eastland	M	TX0670002	3,919	The proposed project will include the installation of new water lines to eliminate leaks and reduce water loss.	PDC	$1,218,000.00	50%	Yes-BC	$1,218,000.00	
34	24	12451	Kirbyville	M	TX1210002	2,409	This project intends to replace an existing elevated storage tank that is severely deteriorated, rehabilitate unreliable high service pumps, and replace deteriorated water lines with excessive leaks and required repairs.	PDC	$1,956,700.00	50%	Yes-BC	$1,276,700.00	
35	24	12492	Vernon	M	TX2440001	10,874	Install a new 16 mile 24" pipeline.	PADC	$12,314,000.00	50%	Yes-BC	$12,314,000.00	
36	23	12508	West Oaks Phoenix Water Supply	P	TX1160097	27	The West Oaks Phoenix Water Supply (WOP) is in regulatory compliance. There is a desperate need for a new Water Well, Ground Storage Tank, Pressure Tank & Booster Pumps.	PC	$250,000.00				
37	23	12304	Morton Valley WSC	W	TX0670018	616	Replace section of existing distribution system line.	PDC	$200,000.00	70%	Yes-BC	$200,000.00	
38	23	12414	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	$2,423,680.00	30%			

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
39	23	12415	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	$822,377.00	30%			
40	21	12469	Ramirez Common School District	D	TX0660024	50	The Ramirez Common School District is in URGENT NEED of a new PUBLIC WATER SUPPLY for the health and safety of its staff and students. Historically, potable water was provided to the school from the 150' well at the church across the road, but recent samples have tested positive for coliforms, E. Coli, and unsafe levels of arsenic. For this isolated population, the development of a public water well is required by state law, and will involve land acquisition, water source protection, a source (construction of the well and other elements), transmission, storage, treatment, and other expenses based on an AWW A design.	PADC	$445,750.00	70%	Yes-BC	$26,300.00	
41	21	12274	Bangs	M	TX0250001	1,674	Construct disinfection facilities and ground storage tank at the City's pump station. Modify elevated storage tank to promote better mixing within the tank and install a dedicated supply line from the pump station to the elevated storage tank.	PDC	$1,600,000.00	30%			
42	21	12499	Wills Point	M	TX2340005	3,524	The City has been cited for no air gap for the filter to waste connection. Rehabilitation of the waste discharge pond and the addition of new filters will provide the City an opportunity to address the issue and upgrade the plant by providing additional capacity as well as allow time for filters to settle after backwash.	PDC	$3,947,760.00	30%	Yes-BC	$168,000.00	
43	21	12454	Littlefield	M	TX1400003	6,454	Replace existing main well field transmission line.	PDC	$10,988,710.00	50%			
44	20	12287	Ellinger Sewer & Water SC	W	TX750014	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	$200,000.00	50%			

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
45	20	12437	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 and replacement of the existing storage tank and distribution lines will allow them to serve the additional customers with reduced real water loss due to leaks and breaks.	PADC	$2,910,600.00		Yes	$200,000.00	
46	20	12319	San Saba	M	TX2060001	4,221	New 6" and 8" water mains are proposed to replace the dilapidated lines.	C	$1,870,000.00	30%			
47	20	12276	Bonham	M	TX0740001	10,044	New water distribution lines.	PDC	$8,759,500.00	50%			
48	18	12500	Wolfe City	M	TX1160005	1,795	Re-coat existing elevated storage tank. Replace existing water lines with new 6" and 8" water lines. Install one or two new wells.	PDC	$8,130,000.00	70%	Yes-BC	$8,130,000.00	
49	18	12449	Italy	M	TX0700028	1,900	This Southern Ellis County Regional treated water system will convey water from the City of Waxahachie's Howard Road Water Treatment Plant via a 12-inch pipeline, approximately 12 miles south, to supply water to the City of Italy. Along the way, a number of other entities can also be served including South Ellis Water Supply and the Nash Forreston Water Supply, among other small municipalities.	AD	$1,825,000.00				
50	17	12272	Aurora	M	TX2490082	509	In order for the City of Aurora to have their own independent water system, they propose to drill a new 80 GPM well in the Trinity Aquifer, construct a 50,000 gallon elevated storage tank, 12-in. raw water line, treatment unit, 12-in. transmission line and telemetry. The City also plans to develop an asset management plan for this new groundwater system.	PDC	$1,050,000.00				
51	17	12475	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	$2,166,000.00		Yes-BC	$2,166,000.00	

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Public Water System													
52	16	12459	McAllen	M	TX1080006	140,000	The funding request will be used to fund the following improvements: Expand capacity at the South Water Treatment Plant by 4 MGD. This will be accomplished by improvements to the Clarifiers as well as the gravity filters. The project will also include improvements to SCADA and Filter Control Systems at both the South Water Treatment Plant and the North Water Treatment Plant. The project also includes the construction of an 18" - 24" Raw Water Supply Line as well as the construction of an 18" Transmission Line.	C	$12,000,000.00				
53	16	12422	Combes	M	TX0310021	3,019	Replace analog meters with smart meters and leak detection system; city-wide water distribution system improvements to include looping; design and construct a .75 MGD treatment plant.	PADC	$16,014,755.70	70%	Yes-BC	$1,200,834.00	
54	16	12324	Valley MUD # 2	D	TX0310059	3,952	This project involves replacing and enlarging the some of the aging water distribution lines. Specific project elements include the installation of approximately 12,850 feet of various diameter waterlines aimed at reducing overall treated water losses and improving water distribution systems efficiencies. The proposed project will require both design and construction funds to complete the improvements.	PDC	$1,408,440.00				
55	16	12303	Mexia	M	TX1470004	7,459	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	
56	15	12473	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	$25,374,000.00	70%	Yes-BC	$25,374,000.00	
57	15	12438	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	50%	Yes-BC	$200,000.00	

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Public Water System													
58	15	12487	Santa Anna	M	TX0420002	1,081	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 Santa Anna 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	$1,082,000.00	30%	Yes-BC	$1,082,000.00	
59	15	12494	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	$1,636,160.00	50%			
60	14	12495	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. 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.	PDC	$1,046,900.00	30%			
61	14	12465	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%			
62	14	12490	Stryker Lake WSC	W	TX0370033	870	New water plant with ground storage tank, high service pump station and treatment. Replace aging water line.	PDC	$1,059,894.00	50%			
63	14	12472	Rogers	M	TX0140004	974	Water System Improvements Project.	PDC	$2,420,000.00				
64	14	12436	Etoile WSC	W	TX1740011	2,122	Well #4, Aerator, Filters, Storage Tanks, Booster Pumps, Water Main, & Related Work to treat organics and reduce TTHM formation, and therefore reduce amount of water currently wasted flush distribution lines. Also Water Meter Replacement with AMR System and preparation of Asset Management Plan.	PADC	$3,735,925.00		Yes-BC	$440,600.00	

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Public Water System													
65	14	12423	Craft-Turney WSC	W	TX0370016	5,064	The system is growing and must plan for increasing water production, distribution and storage capacity. The WSC lacks an Asset Management Plan.	PADC	$1,486,000.00				
66	13	12493	Vinton	M	TX0710151	2,519	The proposed project will consist of the installation of new high capacity water lines in Phase II. These new lines will be able to maintain minimum pressure and fire flow. A service fee from EP Water will be needed to allow EP Water to provide adequate water storage for Vinton.	DC	$12,782,746.00	70%			
67	13	12511	Aero Valley Water Service	P	TX0610243	99	Construction of 8" water line, water meter & service, fire hydrants, & 15,000 gal storage tank.	C	$1,506,000.00				
68	13	12297	Ladonia	M	TX0740004	621	New water distribution lines. Rehabilitate existing tank and re-coat with modern coating system.	C	$3,121,000.00	70%			
69	13	12296	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	$2,910,000.00	50%	Yes-BC	$2,910,000.00	
70	13	12464	Newton	M	TX1760001	2,227	City plans to construct new water well and associated 12" raw water line to water treatment plant, and pressure booster station.	PADC	$2,000,000.00	30%			
71	13	12293	Haskell	M	TX1040001	3,235	Replace existing water meters with an automatic meter reading (AMR) system.	PDC	$900,000.00	30%	Yes-BC	$900,000.00	
72	12	12466	Palo Pinto WSC	W	TX1820004	347	Replacing existing distribution lines and install an elevated storage tank.	PDC	$1,500,000.00	50%	Yes-BC	$1,500,000.00	
73	12	12444	Gustine	M	TX0470003	496	The proposed project consists of constructing a new elevated storage tank to replacing the existing ground storage tank.	PDC	$500,000.00	30%	Yes-BC	$500,000.00	
74	11	12417	Carbon	M	TX0670015	272	Pump Station Improvements to increase the storage and pumping capacities to meet compliance. Install radio read meter system.	PDC	$700,000.00	70%	Yes-BC	$700,000.00	
75	11	12501	Woodloch	M	TX1700112	836	Replacement of the old hydropneumatic tank No. 2.	PADC	$200,000.00	70%			
76	11	12502	Woodloch	M	TX1700112	836	Improvements to the Woodloch water plant including but not limited to the demolition of existing ground storage tank, installation of new booster pumps, yard piping, recoating, and controls. Also, the repair of leaks and damages to the distribution system.	PADC	$200,000.00	70%			

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Public Water System													
77	11	12409	Beaver Creek WCID # 1	D		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%			
78	11	12412	Boyd	M	TX2490002	1,300	Creation of an asset management plan, supply, pumping, storage and distribution system improvements.	PADC	$5,842,000.00				
79	11	12485	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.	PD	$320,000.00	50%	Yes-BC	$1,100,000.00	
80	11	12416	Brookesmith SUD	D	TX0250004	12,697	Replace old water lines, pump station, and radio read meters.	PDC	$3,714,000.00	70%	Yes-BC	$2,531,000.00	
81	10	12302	Melvin	M	TX1540003	178	The City will replace the pumps, and add necessary valves, meters and other fixtures, as well as the piping assembly in the pump station. The City will also replace distribution main throughout town.	PDC	$200,000.00	50%			
82	10	12456	Loving WSC	W	TX2520006	200	Replace existing 2-inch and 1-inch pipelines with PVC piping. Replace one existing ground storage tank with new tank that matched height of remaining tank. Adjust height of 2nd hydrotank to match original tank.	PDC	$753,000.00	50%			
83	10	12285	Edom WSC	W	TX2340009	351	Install distribution improvements.	PDC	$950,000.00	50%			
84	10	12307	Paint Rock	M	TX0480012	357	Replace 2,000 feet of 6" AC water line with new PVC pipe.	PDC	$200,000.00				
85	10	12299	Log Cabin	M	TX1070121	572	The proposed project is painting of the ground storage tanks and repair the roofs.	PDC	$146,000.00	50%			
86	10	12323	Throckmorton	M	TX2240001	738	Treatment, Storage, & Waterline Improvements.	PDC	$200,000.00	30%			
87	10	12311	Red Creek MUD	D	TX2260101	847	Red Creek MUD proposed to upsize approximately 29,000 linear feet of water line to 6" water lines and add a generator to the Bristow plant for emergency operation.	DC	$945,300.00	30%			
88	10	12282	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%			

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Public Water System													
89	10	12420	China	M	TX1230038	1,180	City Plans to construct new water line from the existing water well site to south part of the City for a redundant water feed. City also plans to develop GIS system for the water system.	PDC	$298,000.00	30%			
90	10	12476	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	30%	Yes-BC	$520,000.00	
91	10	12277	Booker	M	TX1480001	1,516	The existing waterline is old, and the steady need of spot repairs has increased over the years. By installing new mains, the city can address these ongoing maintenance issues.	DC	$442,042.00				
92	10	12298	Llano	M	TX1500001	3,313	The proposed project consists of phasing out asbestos cement (AC) piping in Llano's water distribution system along Sandstone Street. The proposed AC piping to be replaced in the proposed project includes a total of 4,000 L.F. of 8" and 12" piping located on Sandstone Street, as well as a section of Oatman Street and Haynie Street. Concurrent with this project, the City of Llano is applying for a CWSRF loan to replace a gravity sewer line along the same streets (Project Title: Main Street Trunk Line Replacement). The proposed project will be constructed in the same construction contract as the Main Street Trunk Line Replacement project.	C	$869,301.00	50%			
93	10	12281	Crockett	M	TX1130001	6,950	New high service pump station, ground storage tank and elevated tank.	PADC	$2,800,000.00	70%			
94	10	12447	Hillsboro	M	TX1090001	8,360	City of Hillsboro New Elevated Storage and Water System Improvements.	PADC	$2,675,000.00	50%			
95	10	12317	San Juan	M	TX1080010	24,166	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	$3,903,350.00	30%			
96	10	12318	San Juan	M	TX1080010	24,166	Rehabilitate and upgrade existing plant to current standards.	C	$6,975,000.00	30%			
97	10	12482	San Antonio Water System	M	TX0150018	1,659,593	LaRosa Pump Station Upgrade - Rehabilitate the pump station.	C	$4,997,112.00				
98	10	12483	San Antonio Water System	M	TX0150018	1,659,593	Pleasanton Road Water Main Replacement - Replace undersized water mains.	AC	$7,110,430.00				

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Public Water System													
99	9	12460	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	$2,878,000.00		Yes-BC	$2,878,000.00	
100	7	12461	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	
101	6	12280	Creedmoor Maha WSC	W	TX2270008	8,000	Installation of a 12" water line from Aqua WSC connection 1 mile west from the Bastrop and Caldwell County line on Highway 21 to 7701 Old Lockhart Road in Travis County (the Alexander Elevated Tank Site). A booster pump and suction tank will also be installed near the Aqua WSC connection. 12" and 8" water line will also be installed, along Highway 183 and in adjacent areas. Approximately 12 miles of 12" HDPE and 1.8 miles of 8" HDPE will be installed to replace smaller, older existing lines owned by Creedmoor-Maha. Line replacement is a priority, recent monthly system water losses due to leaks have approached 60%.	PADC	$9,655,300.00				
102	6	12426	D & M WSC	W	TX1740010	4,740	Insufficient water production. Lack of Asset Management Plan.	PDC	$1,570,750.00				
103	6	12427	D & M WSC	W	TX1740010	4,740	Insufficient Water Production. Insufficient Water Storage Capacity. Insufficient Pump and Pressure Vessel Capacity. Lack Asset Management Plan.	PDC	$1,996,775.00		Yes-BC	$125,000.00	
104	4	12322	Stephens Regional SUD	D	TX2150007	3,045	Replace existing meters with an AMR metering system.	PDC	$639,000.00		Yes-BC	$639,000.00	
105	4	12496	White Oak	M	TX0920006	6,544	New Pump Station and Raw Water Line. Prepare and implement an Asset Management Plan.	PDC	$5,090,000.00				

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Public Water System													
106	4	12497	White Oak	M	TX0920006	6,544	New raw water reservoir, and prepare and implement an Asset Management Plan.	PDC	$7,475,000.00				
107	4	12428	Del Rio	M	TX2330001	38,710	Replacement of undersized, aging water distribution pipelines.	PDC	$72,872,578.00				
108	4	12405	Arlington	M	TX2200001	373,162	Install two new 6MG clearwells and replace pump station.	DC	$52,410,000.00		Yes-BC	$52,410,000.00	
109	4	12406	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	
110	4	12407	Arlington	M	TX2200001	373,162	Electrical system upgrades at the John F. Kubala WTP and Pierce-Burch WTP.	DC	$30,235,000.00		Yes-BC	$30,235,000.00	
111	3	12467	Parker County SUD	D	TX1840025	370	0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PADC	$1,200,000.00		Yes-BC	$1,200,000.00	
112	3	12491	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.	PADC	$3,923,000.00		Yes-BC	$3,923,000.00	
113	3	12404	Abilene	M	TX2210001	126,291	The City is proposing to replace approximately 40,000 meters and implement an AMI System.	PDC	$14,120,000.00		Yes-BC	$14,120,000.00	
114	3	12275	Bluegrove WSC	W	TX0390014	75	Bluegrove WSC will replace its 4" main water line through town as well as all necessary connections, valves and meter reconnections.	DC	$200,000.00				
115	3	12306	Oakmont Saddle Mountain WSC	W	TX1930015	324	Construct well #4. Funds are being requested to construct the water tight concrete basin, installation of pump and associated piping, electrical and all appurtenances. Authorization to construct this spring water source well was issued by TCEQ letter dated October 23, 2014.	C	$320,000.00				
116	3	12273	Bandera	M	TX0100012	1,207	Construction of new water tower and ground storage to come into compliance with TCEQ enforcement order.	ADC	$2,570,000.00				
117	3	12286	Eldorado	M	TX2070001	1,951	Design and Construction of a new 100,000 gallon overhead water tower on property owned by the City of Eldorado, decommission existing 50,000 gallon overhead tank, extend a 6" water line to connect the distribution system with the existing 50,000 gallon overhead tank in the north of town, install a new SCADA system.	PDC	$1,200,000.00				
118	3	12424	Craft-Turney WSC	W	TX0370016	5,064	Installation of new AMR meters system wide and installation of a leak detection system to help mitigate water loss.	PDC	$1,500,000.00		Yes-BC	$1,065,000.00	

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Public Water System													
119	2	12295	Jayton	M	TX1320001	614	Replace sections of existing cast iron water line inside City limits with new PVC lines. These PVC lines will be corrosion resistant thereby improving flow and be less prone to breaks and leakage which will help the City lower water loss.	PDC	$200,000.00				
120	2	12442	Graford	M	TX1820003	830	Replace existing water lines.	PADC	$500,000.00		Yes-BC	$500,000.00	
121	2	12468	Quitman	M	TX2500003	1,809	Modifications to the existing WTP including treatment units and equipment. Installation of 12-in transmission line from the WTP to the ground storage tanks at Stephens Street.	PADC	$6,472,368.00		Yes-BC	$105,000.00	
122	2	12310	River Acres WSC	W	TX1780013	2,149	The project entails the replacement of old lines, valves, service lines, water meters, and hydrants, with new infrastructure, that includes the installation of nearly nine (9) miles (46,034 linear feet) of new PVC water lines, gate valves, hydrants, service connections, automated meter (AMR) systems including reconciliation hardware and software. This project is spread over three (2) priority areas for the purpose of phasing construction and to assist with the financial management of the improvements over an extended period of time. This financial management will be detailed in conjunction with the preparation of an Asset Management Plan.	C	$6,500,000.00		Yes-BC	$6,500,000.00	
123	2	12289	Gastonia Scurry SUD	D	TX1290015	8,400	The project consists of a 16" transmission line from Seagoville to the Gastonia Pump Station.	PADC	$7,825,000.00				
124	2	12321	Springtown	M	TX1840003	2,741	Replace aging water infrastructure with the upcoming highway improvements along FM 51. The improvements will replace approximately 4350 LF of old water lines with new water lines.	C	$760,000.00		Yes-BC	$676,100.00	
125	1	12305	North San Saba WSC	W	TX2060003	693	The proposed project is a AMR meter system to improve efficiency and decrease water loss.	PDC	$200,000.00		Yes-BC	$200,000.00	
126	1	12410	Blooming Grove	M	TX1750001	833	Construct a new water supply well and ground storage tank and create and implement an Asset Management Plan.	PDC	$1,379,500.00				
127	1	12446	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	
128	1	12430	Dublin	M	TX0720001	4,207	Proposed project will replace water lines, add radio read water meters, and provide a new supply well.	PDC	$3,025,000.00		Yes-BC	$1,626,000.00	

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Public Water System													
129	1	12300	Madisonville	M	TX1570001	4,518	Project will increase water efficiency via install of radio read meters, replacement of existing 10" control valve which delivers water from higher to lower pressure plane, and provide the City with ability to install isolation valves in an effort to reduce water loss during line repairs. There is an informal plan maintained on a spreadsheet by the Financial Director that depreciates assets, but no formal plan. A formal plan could be instituted when required by funding.	PDC	$1,866,270.00		Yes-BC	$1,866,270.00	
130	1	12478	Rusk	M	TX0370003	5,618	New Groundwater Source Water Well.	PADC	$1,693,346.00				
131	1	12479	Rusk	M	TX0370003	5,618	Install 8" Water Line on FM 343 West. Rehabilitation of Two Elevated Storage Tanks.	PDC	$1,649,950.00				
132	1	12439	Fort Stockton	M	TX1860001	8,650	The City is interested in installing a new natural gas powered electrical generation system to service the Belding Wells and Belding Pump Station.	PADC	$6,025,000.00		Yes-BC	$6,025,000.00	
133	1	12434	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	$7,604,435.00				
134	1	12435	Ennis	M	TX0700001	29,159	Water line replacements in downtown Ennis and create and implement an Asset Management Plan.	PDC	$4,533,655.00		Yes-BC	$3,298,600.00	
135	0	12279	Comanche County WSC	W	TX0470027	120	AMR metering system.	PDC	$325,000.00		Yes-BC	$325,000.00	
136	0	12292	Harrold WSC	W	TX2440002	141	Clean, recoat, & repair leaks in elevated storage tank. Repair and/or replace items identified during elevated tank inspection. Replace existing 4" AC supply line with PVC line.	PDC	$200,000.00				
137	0	12510	Cooley Point	P	TX2200117	156	Replace deteriorated 2" lead pipes with properly sized PVC piping.	C	$138,780.00				
138	0	12486	Sandbranch		Pending	190	Install a water system to an existing development.	PADC	$3,500,000.00				
139	0	12284	Dickens	M	TX0630001	267	Replace existing water storage facility (standpipe) with 2 ground storage tanks and appurtenances. It is not feasible to repair the existing standpipe.	PDC	$729,200.00				
140	0	12411	Bluff Dale WSC	W	TX0720036	267	Drill a second well to comply with the 85% production capacity rule.	DC	$313,900.00				
141	0	12312	River Oaks WSC	W	TX1610018	375	Replace lines on two streets and install meters.	PAC	$100,000.00				
142	0	12498	Whiteface	M	TX0400002	449	Replacement of an old "witches hat" elevated storage facility.	PDC	$431,850.00				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System													
143	0	12463	Moore WSC	W	TX0820012	717	Moore WSC has experienced a total loss of a well, leaving the system with only one functioning well. Project will entail the drilling a new well, to replace the failed one, at the same plant site as the failed well.	PDC	$554,187.50				
144	0	12301	Magnolia	M	TX1700020	1,704	Construct new plant site to include new water well, ground storage tank, elevated storage tank, booster pump station, generator, and all related yard piping. Construct transmission line to tie new plant site into the system. Replace existing ground storage tank at Well No. 1 site.	PADC	$6,138,732.00				
145	0	12477	Royalwood MUD	D	TX1010201	1,982	Update and Modernize Existing Water Plants.	PDC	$1,461,850.00		Yes-BC	$375,695.00	
146	0	12488	Santo SUD	D	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	$778,000.00				
147	0	12445	Hale Center	M	TX0950002	2,486	City of Hale Center received an alleged violation from TCEQ regarding the roof of the existing GST.	DC	$362,800.00				
148	0	12278	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				
149	0	12419	Chandler	M	TX1070006	2,783	New Ground Storage, high service pump station and disinfection system to serve water well #4.	PDC	$782,500.00				
150	0	12288	Freer WCID	D	TX0660002	2,818	This project consists of rehabilitation (sand blasting, painting & repair of structural steel) one (1) 750,000 gallon structural steel standpipe and one (1) 1,000,000 gallon ground storage tank.	DC	$1,425,000.00				
151	0	12325	Wills Point	M	TX2340005	3,518	The proposed Water Treatment Plant Improvements will include replacement of the existing filters constructed in 196 with high rate dual media filter, piping for filter to waste capability, installation of an additional clearwell, raw water pump revisions, sludge lagoon upgrades.	PDC	$4,876,500.00				

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Public Water System													
152	0	12489	Smithville	M	TX0110003	3,890	Proposed project is the construction of a 16 inch water line extension to serve the City of Smithville Airport property. The project will included approximately 3800 linear feet of 16 inch water line, valves, fire hydrants and other appurtenances.	PDC	$449,000.00				
153	0	12294	High Point WSC	W	TX1290016	4,000	The proposed project consists of removal of the existing storage tanks at both the pump stations and replacing with new tanks, and re configuring the pump stations.	DC	$3,354,000.00				
154	0	12480	San Antonio Water System	M	TX0150018	1,659,593	Zarzamora Pump Station Upgrade.	C	$9,782,362.00				
155	0	12481	San Antonio Water System	M	TX0150018	1,659,593	Basin Pump Station Improvements, Phase 2 - Complete the rehabilitation of the pump station.	C	$19,136,520.00				
156	0	12484	San Antonio Water System	M	TX0150018	1,659,593	Wurzbach Pump Station Improvements - Rehabilitate a primary pump station.	C	$17,333,240.00				
Public Water System Total		**156**							**$749,362,669.10**	**63**	**60**	**$254,670,418.00**	
Total		**156**							**$749,362,669.10**	**63**	**60**	**$254,670,418.00**	

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

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Public Water System												
1	545	12462	Millersview-Doole WSC	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	$578,000.00				
2	360	12413	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	$26,090,000.00	50%			
3	306	12503	American Water	TX0270014	360	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including Council Creek Village, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$2,879,020.00		Yes-BC	$1,007,657.00	
4	266	12505	American Water	TX0270080	240	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including South Council Creek II, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$1,895,940.00		Yes-BC	$663,579.00	
5	157	12470	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	
6	134	12504	American Water	TX0270041	282	American Water proposes to construct a regional surface water treatment plant (.5 MGD initial phase) along with 90,000 gal regional storage tank, intake structure, raw water pipeline and regional transmission mains to connect adjacent groundwater systems, including South Silver Creek I,II,III, under EPA enforcement of radionuclide MCLs. American Water also plans to develop an asset management plan for this regional system.	PADC	$2,247,040.00		Yes-BC	$786,500.00	
7	108	12453	Lawn	TX2210005	666	Abandon WTP and construct new treated water supply from a wholesale supplier. New water supply with less TOC, more stable water and less precursors for DBPs. Abandon WTP and construct new treated water supply. Abandon WTP and construct new treated water supply and build taller standpipe in Lawn. Abandon WTP and replace old and deteriorated water lines. Abandon WTP and construct new treated water supply with less TOC, more stable water, and less precursors for DBPs.	C	$3,620,000.00	70%			

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Public Water System												
8	100	12452	Lake Texoma VFW Post 7873	TX0910086	114	Interconnection to neighboring Ridgecrest water system to resolve EPA Order for groundwater with radium and gross alpha, install water meters, replace undersized water lines and complete an asset management plan.	PDC	$200,000.00		Yes-BC	$99,900.00	
9	87	12441	G-M WSC	TX2020067	13,855	The WSC proposes to construct a new well, groundwater treatment plant, storage tanks, pressure maintenance facilities, and distribution lines. This project is intended to allow the WSC to become independent from the City of Hemphill in accordance with the 2016 East Texas Regional Water Plan.	PDC	$5,431,050.00	50%			
10	81	12458	Mason	TX1600001	2,114	The City of Mason (City) is addressing the need to improve its water system as a result of violations noted by the Texas Commission on Environmental Quality (TCEQ).	PDC	$8,500,000.00	50%			
11	81	12421	Cisco	TX0670001	2,577	The goal of this project is to replace the City's existing WTP which suffered a catastrophic failure due to significant flooding on June 2, 2016.	DC	$14,976,000.00	70%			
12	79	12313	Rochelle WSC	TX1540004	372	Construct a treatment plant at the existing main pump station site to treat water prior to entering the distribution system.	PD	$72,500.00				
13	79	12314	Rochelle WSC	TX1540004	372	Establish agreement with Richland Springs SUD to purchase treated water. Construct waterline from agreed upon take-point to transfer treated water from Richland Springs SUB system to Rochelle WSC distribution system.	PDC	$475,000.00				
14	79	12315	Rochelle WSC	TX1540004	372	Construct a treatment plant at the existing main pump station site to treat water prior to entering the distribution system.	PDC	$475,000.00				
15	77	12308	Paradise	TX2490010	468	Piping changes in the existing elevated tank (ET) to reduce short-circuiting; aeration of the water supplied to the ET followed by a new chloramination system.	C	$331,900.00				
16	74	12471	Riesel	TX1550040	1,009	Secure and deliver treated water from City of Waco for dilution to less than MCL.	PADC	$4,700,000.00				

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Public Water System												
17	71	12320	Springtown	TX1840003	2,741	Springtown is a city of about 2,700 people located in the northern Parker County. The city gets its current water supply from Eagle Mountain Lake and water wells in the Trinity Aquifer and its own water treatment plant (using raw water purchased from TRWD). This project will provide additional water from the Trinity Aquifer from new ells. The new wells will provide the city better water supply mix between surface and ground water. This mix of sources provides redundant water supply and lessens surface water dependency which can be adversely influenced in times of drought. The proposed wells will be designed and constructed to TCEQ public water well standards and then pumped into ground storage tanks. From the tanks, the water will be pumped into the city's water system.	DC	$1,430,000.00				
18	68	12455	Los Fresnos	TX0310004	6,280	The city recently had high turbidity readings and underwent a Comprehensive Performance Evaluation of the Potable Water Plant System and Operations that yielded several performance limiting factors that need to be addressed. The plant also needs to be expanded to a capacity of 0.5 MGD to meet TCEQ requirements. In addition the distribution system is comprised of aging asbestos cement pipes and faulty fire hydrants and water valves that need to be replaced along with additional pipe needed for looping.	C	$6,251,635.00		Yes-BC	$420,000.00	
19	66	12408	Barton WSC	TX0720013	697	The proposed project will consist of improvements at existing pump station sites, replacing sections of water lines, and installing a radio read meters and system.	PADC	$2,300,000.00		Yes-BC	$2,300,000.00	
20	58	12429	Devine	TX1630006	4,529	The City of Devine is proposing to bring its water distribution system up to date to correct deficiencies to comply with TCEQ demand, meet the Texas State Board of Insurance requirements and to comply with the city's subdivision ordinance. Bringing the system up to TCEQ regulations requires funding, which the city is not able to provide on its own.	PDC	$7,815,379.00		Yes-BC	$6,899,500.00	
21	49	12432	Eastland Co WSD	TX0670019	10,100	Water service to customers is always an important subject in a utility's 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 Eastland County Water Supply District is pursuing the implementation of replacing its existing water transmission line to the City of Eastland (one of ECWSD's primary wholesale water customers) to ensure all TCEQ regulations are met and to better serve the customers that are served by this water transmission line.	PDC	$5,084,000.00	50%	Yes-BC	$5,084,000.00	

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Public Water System												
22	43	12316	San Benito	TX0310007	24,506	Water Treatment Plant No. 1 Rehabilitation - New Pumps, Piping, Filter Media, Controls, Chemical Feed Systems, Ray Water Intakes and Lab Building. Water Treatment Plan No. 2 Retrofit - New Pretreatment Facilities, Membrane Filtration & Treatment Systems, Yard Piping and Related Sitework & Electrical improvements. New Generator for WTP No. 2.	ADC	$11,203,380.00	50%			
23	39	12509	Green Acres Mobile Home Park	TX0710066	150	Acquire and obtain Arsenic remedy to comply with TCEQ MCL and complete asset management plan.	PDC	$198,000.00				
24	36	12474	Ropesville	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	$1,237,500.00	50%			
25	33	12448	Huntington	TX0030002	2,268	The distribution lines are failing and/or undersized. This project proposes to replace deteriorated and undersized distribution lines.	PDC	$1,953,300.00	50%	Yes-BC	$1,953,300.00	
26	29	12309	Presidio County	TX1890011	120	To 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. Also to complete an asset management plan.	PDC	$199,900.00				
27	27	12418	Carrizo Springs	TX0640002	5,740	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. Bringing the system up to date requires funding, which the city is not able to provide on its own since we are now completing a wastewater treatment plant project, funded by a loan in the amount of $6,368,000.	PDC	$7,615,777.00	30%	Yes-BC	$5,012,000.00	
28	26	12443	Guadalupe Blanco RA	TX0290005	24,702	Replacement of Port Lavaca Water Treatment Plant.	DC	$27,641,000.00				
29	26	12457	Lyford	TX2450003	2,611	Construction of alternate 24" raw water line, water distribution system improvements including looping, installation of AMI and replacement of analog water meters with smart meters.	PADC	$17,813,334.90	70%	Yes-BC	$977,114.00	
30	25	12290	Groveton	TX2280001	1,057	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%			
31	25	12450	Kemp	TX1290004	1,256	The City of Kemp's raw water pump stations are in need of rehabilitation due to equipment failures and poor raw water quality, the water treatment plant is in need of major repairs and updates to improve treated water quality, and the drinking water distribution system has a long history of breakages and is in need of rehabilitation for better system reliability.	PDC	$6,555,000.00	70%	Yes-BC	$1,362,099.00	

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Public Water System												
32	24	12433	Eden	TX0480001	2,766	There are several aspects of the City of Eden's (City) water supply system that are in need of improvement. These improvements include increasing the ability of the City's Cooling Tower to lower groundwater temperatures and protection of above ground well equipment against weather elements.	PDC	$6,513,000.00		Yes-BC	$6,513,000.00	
33	24	12431	Eastland	TX0670002	3,919	The proposed project will include the installation of new water lines to eliminate leaks and reduce water loss.	PDC	$1,218,000.00	50%	Yes-BC	$1,218,000.00	
34	24	12451	Kirbyville	TX1210002	2,409	This project intends to replace an existing elevated storage tank that is severely deteriorated, rehabilitate unreliable high service pumps, and replace deteriorated water lines with excessive leaks and required repairs.	PDC	$1,956,700.00	50%	Yes-BC	$1,276,700.00	
35	24	12492	Vernon	TX2440001	10,874	Install a new 16 mile 24" pipeline.	PADC	$12,314,000.00	50%	Yes-BC	$12,314,000.00	
36	23	12508	West Oaks Phoenix Water Supply	TX1160097	27	The West Oaks Phoenix Water Supply (WOP) is in regulatory compliance. There is a desperate need for a new Water Well, Ground Storage Tank, Pressure Tank & Booster Pumps.	PC	$250,000.00				
37	23	12304	Morton Valley WSC	TX0670018	616	Replace section of existing distribution system line.	PDC	$200,000.00	70%	Yes-BC	$200,000.00	
46	20	12319	San Saba	TX2060001	4,221	New 6" and 8" water mains are proposed to replace the dilapidated lines.	C	$1,870,000.00	30%			
49	18	12449	Italy	TX0700028	1,900	This Southern Ellis County Regional treated water system will convey water from the City of Waxahachie's Howard Road Water Treatment Plant via a 12-inch pipeline, approximately 12 miles south, to supply water to the City of Italy. Along the way, a number of other entities can also be served including South Ellis Water Supply and the Nash Forreston Water Supply, among other small municipalities.	AD	$1,825,000.00				
52	16	12459	McAllen	TX1080006	140,000	The funding request will be used to fund the following improvements: Expand capacity at the South Water Treatment Plant by 4 MGD. This will be accomplished by improvements to the Clarifiers as well as the gravity filters. The project will also include improvements to SCADA and Filter Control Systems at both the South Water Treatment Plant and the North Water Treatment Plant. The project also includes the construction of an 18" - 24" Raw Water Supply Line as well as the construction of an 18" Transmission Line.	C	$12,000,000.00				

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Public Water System												
54	16	12324	Valley MUD # 2	TX0310059	3,952	This project involves replacing and enlarging the some of the aging water distribution lines. Specific project elements include the installation of approximately 12,850 feet of various diameter waterlines aimed at reducing overall treated water losses and improving water distribution systems efficiencies. The proposed project will require both design and construction funds to complete the improvements.	PDC	$1,408,440.00				
64	14	12436	Etoile WSC	TX1740011	2,122	Well #4, Aerator, Filters, Storage Tanks, Booster Pumps, Water Main, & Related Work to treat organics and reduce TTHM formation, and therefore reduce amount of water currently wasted flush distribution lines. Also Water Meter Replacement with AMR System and preparation of Asset Management Plan.	PADC	$3,735,925.00		Yes-BC	$440,600.00	
65	14	12423	Craft-Turney WSC	TX0370016	5,064	The system is growing and must plan for increasing water production, distribution and storage capacity. The WSC lacks an Asset Management Plan.	PADC	$1,486,000.00				
67	13	12511	Aero Valley Water Service	TX0610243	99	Construction of 8" water line, water meter & service, fire hydrants, & 15,000 gal storage tank.	C	$1,506,000.00				
68	13	12297	Ladonia	TX0740004	621	New water distribution lines. Rehabilitate existing tank and re-coat with modern coating system.	C	$3,121,000.00	70%			
77	11	12409	Beaver Creek WCID # 1		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%			
78	11	12412	Boyd	TX2490002	1,300	Creation of an asset management plan, supply, pumping, storage and distribution system improvements.	PADC	$5,842,000.00				
91	10	12277	Booker	TX1480001	1,516	The existing waterline is old, and the steady need of spot repairs has increased over the years. By installing new mains, the city can address these ongoing maintenance issues.	DC	$442,042.00				

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Public Water System												
92	10	12298	Llano	TX1500001	3,313	The proposed project consists of phasing out asbestos cement (AC) piping in Llano's water distribution system along Sandstone Street. The proposed AC piping to be replaced in the proposed project includes a total of 4,000 L.F. of 8" and 12" piping located on Sandstone Street, as well as a section of Oatman Street and Haynie Street. Concurrent with this project, the City of Llano is applying for a CWSRF loan to replace a gravity sewer line along the same streets (Project Title: Main Street Trunk Line Replacement). The proposed project will be constructed in the same construction contract as the Main Street Trunk Line Replacement project.	C	$869,301.00	50%			
96	10	12318	San Juan	TX1080010	24,166	Rehabilitate and upgrade existing plant to current standards.	C	$6,975,000.00	30%			
97	10	12482	San Antonio Water System	TX0150018	1,659,593	LaRosa Pump Station Upgrade - Rehabilitate the pump station.	C	$4,997,112.00				
98	10	12483	San Antonio Water System	TX0150018	1,659,593	Pleasanton Road Water Main Replacement - Replace undersized water mains.	AC	$7,110,430.00				
101	6	12280	Creedmoor Maha WSC	TX2270008	8,000	Installation of a 12" water line from Aqua WSC connection 1 mile west from the Bastrop and Caldwell County line on Highway 21 to 7701 Old Lockhart Road in Travis County (the Alexander Elevated Tank Site). A booster pump and suction tank will also be installed near the Aqua WSC connection. 12" and 8" water line will also be installed, along Highway 183 and in adjacent areas. Approximately 12 miles of 12" HDPE and 1.8 miles of 8" HDPE will be installed to replace smaller, older existing lines owned by Creedmoor-Maha. Line replacement is a priority, recent monthly system water losses due to leaks have approached 60%.	PADC	$9,655,300.00				
102	6	12426	D & M WSC	TX1740010	4,740	Insufficient water production. Lack of Asset Management Plan.	PDC	$1,570,750.00				
103	6	12427	D & M WSC	TX1740010	4,740	Insufficient Water Production. Insufficient Water Storage Capacity. Insufficient Pump and Pressure Vessel Capacity. Lack Asset Management Plan.	PDC	$1,996,775.00		Yes-BC	$125,000.00	
105	4	12496	White Oak	TX0920006	6,544	New Pump Station and Raw Water Line. Prepare and implement an Asset Management Plan.	PDC	$5,090,000.00				
106	4	12497	White Oak	TX0920006	6,544	New raw water reservoir, and prepare and implement an Asset Management Plan.	PDC	$7,475,000.00				
107	4	12428	Del Rio	TX2330001	38,710	Replacement of undersized, aging water distribution pipelines.	PDC	$72,872,578.00				

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Public Water System												
115	3	12306	Oakmont Saddle Mountain WSC	TX1930015	324	Construct well #4. Funds are being requested to construct the water tight concrete basin, installation of pump and associated piping, electrical and all appurtenances. Authorization to construct this spring water source well was issued by TCEQ letter dated October 23, 2014.	C	$320,000.00				
116	3	12273	Bandera	TX0100012	1,207	Construction of new water tower and ground storage to come into compliance with TCEQ enforcement order.	ADC	$2,570,000.00				
117	3	12286	Eldorado	TX2070001	1,951	Design and Construction of a new 100,000 gallon overhead water tower on property owned by the City of Eldorado, decommission existing 50,000 gallon overhead tank, extend a 6" water line to connect the distribution system with the existing 50,000 gallon overhead tank in the north of town, install a new SCADA system.	PDC	$1,200,000.00				
122	2	12310	River Acres WSC	TX1780013	2,149	The project entails the replacement of old lines, valves, service lines, water meters, and hydrants, with new infrastructure, that includes the installation of nearly nine (9) miles (46,034 linear feet) of new PVC water lines, gate valves, hydrants, service connections, automated meter (AMR) systems including reconciliation hardware and software. This project is spread over three (2) priority areas for the purpose of phasing construction and to assist with the financial management of the improvements over an extended period of time. This financial management will be detailed in conjunction with the preparation of an Asset Management Plan.	C	$6,500,000.00		Yes-BC	$6,500,000.00	
123	2	12289	Gastonia Scurry SUD	TX1290015	8,400	The project consists of a 16" transmission line from Seagoville to the Gastonia Pump Station.	PADC	$7,825,000.00				
124	2	12321	Springtown	TX1840003	2,741	Replace aging water infrastructure with the upcoming highway improvements along FM 51. The improvements will replace approximately 4350 LF of old water lines with new water lines.	C	$760,000.00		Yes-BC	$676,100.00	
130	1	12478	Rusk	TX0370003	5,618	New Groundwater Source Water Well.	PADC	$1,693,346.00				
131	1	12479	Rusk	TX0370003	5,618	Install 8" Water Line on FM 343 West. Rehabilitation of Two Elevated Storage Tanks.	PDC	$1,649,950.00				
133	1	12434	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	$7,604,435.00				
137	0	12510	Cooley Point	TX2200117	156	Replace deteriorated 2" lead pipes with properly sized PVC piping.	C	$138,780.00				
144	0	12301	Magnolia	TX1700020	1,704	Construct new plant site to include new water well, ground storage tank, elevated storage tank, booster pump station, generator, and all related yard piping. Construct transmission line to tie new plant site into the system. Replace existing ground storage tank at Well No. 1 site.	PADC	$6,138,732.00				

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Rank	Points	PIF #	Entity	PWS ID	Population	Project Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System												
145	0	12477	Royalwood MUD	TX1010201	1,982	Update and Modernize Existing Water Plants.	PDC	$1,461,850.00		Yes-BC	$375,695.00	
146	0	12488	Santo SUD	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	$778,000.00				
147	0	12445	Hale Center	TX0950002	2,486	City of Hale Center received an alleged violation from TCEQ regarding the roof of the existing GST.	DC	$362,800.00				
148	0	12278	Bronte	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				
149	0	12419	Chandler	TX1070006	2,783	New Ground Storage, high service pump station and disinfection system to serve water well #4.	PDC	$782,500.00				
150	0	12288	Freer WCID	TX0660002	2,818	This project consists of rehabilitation (sand blasting, painting & repair of structural steel) one (1) 750,000 gallon structural steel standpipe and one (1) 1,000,000 gallon ground storage tank.	DC	$1,425,000.00				
151	0	12325	Wills Point	TX2340005	3,518	The proposed Water Treatment Plant Improvements will include replacement of the existing filters constructed in 196 with high rate dual media filter, piping for filter to waste capability, installation of an additional clearwell, raw water pump revisions, sludge lagoon upgrades.	PDC	$4,876,500.00				
152	0	12489	Smithville	TX0110003	3,890	Proposed project is the construction of a 16 inch water line extension to serve the City of Smithville Airport property. The project will included approximately 3800 linear feet of 16 inch water line, valves, fire hydrants and other appurtenances.	PDC	$449,000.00				
153	0	12294	High Point WSC	TX1290016	4,000	The proposed project consists of removal of the existing storage tanks at both the pump stations and replacing with new tanks, and re configuring the pump stations.	DC	$3,354,000.00				
154	0	12480	San Antonio Water System	TX0150018	1,659,593	Zarzamora Pump Station Upgrade.	C	$9,782,362.00				
155	0	12481	San Antonio Water System	TX0150018	1,659,593	Basin Pump Station Improvements, Phase 2 - Complete the rehabilitation of the pump station.	C	$19,136,520.00				

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Public Water System												
156	0	12484	San Antonio Water System	TX0150018	1,659,593	Wurzbach Pump Station Improvements - Rehabilitate a primary pump station.	C	$17,333,240.00				
Public Water System Total		**81**						**$450,668,485.90**	**22**	**23**	**$57,054,744.00**	
Total		**81**						**$450,668,485.90**	**22**	**23**	**$57,054,744.00**	

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

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Rank	Points	PIF #	Entity	PWS ID	Green Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Subsidized Green
Public Water System											
3	306	12503	American Water	TX0270014	According to TWDB-0161 (Clean Water and Drinking Water SRF 20% Green Project Reserve: Guidance for Determining Project Eligibility), the proposed regional water system for the East Lake Buchanan area is captured under the total/integrated water resources management planning category of green projects (as noted under TWDB 0161 Part B DWSRF Section 4.2-1)	PADC	$2,879,020.00		Yes-BC	$1,007,657.00	X
4	266	12505	American Water	TX0270080	According to TWDB-0161 (Clean Water and Drinking Water SRF 20% Green Project Reserve: Guidance for Determining Project Eligibility), the proposed regional water system for the East Lake Buchanan area is captured under the total/integrated water resources management planning category of green projects (as noted under TWDB 0161 Part B DWSRF Section 4.2-1)	PADC	$1,895,940.00		Yes-BC	$663,579.00	X
5	157	12470	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
6	134	12504	American Water	TX0270041	According to TWDB-0161 (Clean Water and Drinking Water SRF 20% Green Project Reserve: Guidance for Determining Project Eligibility), the proposed regional water system for the East Lake Buchanan area is captured under the total/integrated water resources management planning category of green projects (as noted under TWDB 0161 Part B DWSRF Section 4.2-1)	PADC	$2,247,040.00		Yes-BC	$786,500.00	X
8	100	12452	Lake Texoma VFW Post 7873	TX0910086	Installation of water meters for all connections served. System is currently unmetered.	PDC	$200,000.00		Yes-BC	$99,900.00	X
18	68	12455	Los Fresnos	TX0310004	The City is proposing to install Leak Detection Equipment and proposes to use variable speed pumps which will reduce pumping costs by 30%. The City is proposing to replace existing 4" distribution lines with 6" lines. This will lower the friction afforded by the new pipe and could reduce energy needed to pump water through distribution system. In addition, the city is proposing to replace an existing concrete raw water transmission line with PVC pipe. This will decrease water loss and increase water delivery efficiency.	C	$6,251,635.00		Yes-BC	$420,000.00	
19	66	12408	Barton WSC	TX0720013	With the proposed improvements, the WSC would not need to flush the system as frequently which would reduce the pumps running time and reduce water loss. The SCADA System and radio read meters would allow the operator to be aware of water leaks sooner.	PADC	$2,300,000.00		Yes-BC	$2,300,000.00	X

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Rank	Points	PIF #	Entity	PWS ID	Green Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Subsidized Green
Public Water System											
20	58	12429	Devine	TX1630006	The City needs to replace 61,400 feet of asbestos cement pipes in the distribution system with an additional 13,500 feet of asbestos cement pipe in the raw water transmission line from the Edwards Underground wells to the water plant. The proposed project also includes the replacement of 31,800 feet of undersized cast iron pipes in the distribution system and the replacement of a TCEQ noted undersized and inefficient pump in one of the Edwards Underground water wells. The replacement of asbestos cement pipes with PVC lines provides environmentally friendly material and rids the system of a health hazard which is document by TCEQ's attached letter in the public supply water. The system has exceeded the TCEQ asbestos limits in March 2012, October 2015, January 2016 and July 2016. As emphasized in the TCEQ letter, the City must begin the process of replacing these AC lines immediately. Unfortunately, with a citywide population that is over 55% low-to-moderate income citizens by 2010	PDC	$7,815,379.00		Yes-BC	$6,899,500.00	X
21	49	12432	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.	PDC	$5,084,000.00	50%	Yes-BC	$5,084,000.00	X
25	33	12448	Huntington	TX0030002	The lines to be replaced will be selected after a review of maintenance requirements and tasks throughout the service area as well as hydraulic analysis of capacity. There are many areas currently experiencing frequent breaks and leaks. Replacing these deteriorated lines will decrease real water loss experienced through breaks and leaks.	PDC	$1,953,300.00	50%	Yes-BC	$1,953,300.00	X

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Public Water System											
27	27	12418	Carrizo Springs	TX0640002	This project includes replacing 33,000 feet of asbestos cement pipe and 80,000 feet of undersized cast iron pipes in the city's water distribution system. Includes the replacement of 300 manual read meters with smart meters, and replacement of six inefficient and undersized service pumps. The replacement of the asbestos cement pipes with PVC pipes provides improved efficiency environmentally friendly material and eliminates the public health threat in the public water supply. The replacement of undersized cast iron pipes provides an environmentally friendly material and increases the efficiency of the water distribution system as does the replacement of the inefficient and undersized service pumps. The smart meters together with leak detection system provide a more efficient method to read, record, invoice for water service, and at the same time reduce water loss. It is estimated that the cost replacing the asbestos cement pipes, the cast iron pipes, the service pumps, and the smar	PDC	$7,615,777.00	30%	Yes-BC	$5,012,000.00	X
29	26	12457	Lyford	TX2450003	The proposed project is eligible for green project reserve. The project meets water efficiency category under section 2.2-3a (1), 2.2 -3b for replacement of old meters with automated metering infrastructure. Additionally, the project proposes the looping of dead end lines in the system, resulting in a reduction in flushing volume, thus meeting water efficiency. The pump station for the new 24" raw water line will be designed with NEMA certified premium energy efficient motors meeting section 3.0 energy efficiency and automation and remote control which will allow capability to operate more efficiently and reduce potential for water spills.	PADC	$17,813,334.90	70%	Yes-BC	$977,114.00	
31	25	12450	Kemp	TX1290004	When potential energy and maintenance savings ($156,253) are amortized over 20 years at 3% escalation, the savings anticipated is $4,165,699. The SIR is 2.10. The green work conserves water, and energy.	PDC	$6,555,000.00	70%	Yes-BC	$1,362,099.00	
32	24	12433	Eden	TX0480001	Replacement of severely deteriorated water lines throughout the City will reduce water loss and energy used for high service pumping into the distribution system.	PDC	$6,513,000.00		Yes-BC	$6,513,000.00	X

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Public Water System											
33	24	12431	Eastland	TX0670002	The green components associated with this project include saving water that is currently lost due to the leaking distribution system; saving electrical energy by eliminating the pumping of water currently lost; and due to the fact that the distribution system is old, replacing the piping will help eliminate potential sources of contaminants migrating into the water supply. In summary, the green components of the project are increased water efficiency, enhanced water conservation, and increased energy efficiency. Replacement of the aging infrastructure with this project will greatly reduce the water loss in the City's distribution system.	PDC	$1,218,000.00	50%	Yes-BC	$1,218,000.00	X
34	24	12451	Kirbyville	TX1210002	The existing elevated water storage tank is leaking excessively and will be replaced with a new elevated storage tank as part of this project. The water line segments to be replaced are also leaking excessively and have been selected for replacement out of all lines in the distribution system based on the frequency of required repairs.	PDC	$1,956,700.00	50%	Yes-BC	$1,276,700.00	X
35	24	12492	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	$12,314,000.00	50%	Yes-BC	$12,314,000.00	X
37	23	12304	Morton Valley WSC	TX0670018	The current monthly water loss is as high as 63%, which should qualify as a business case green project.	PDC	$200,000.00	70%	Yes-BC	$200,000.00	X
64	14	12436	Etoile WSC	TX1740011	Replace all existing meters with an automatic meter reading system (AMR).	PADC	$3,735,925.00		Yes-BC	$440,600.00	
103	6	12427	D & M WSC	TX1740010	Use of high-efficiency pumps and electrical components.	PDC	$1,996,775.00		Yes-BC	$125,000.00	

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Public Water System											
122	2	12310	River Acres WSC	TX1780013	Due to the age of the water distribution system, line leaks are occurring on a routine basis. Therefore, he purpose of this project is to reduce the incidence of water line breaks and resulting water losses. This entire project entails the replacement of water distribution lines and meters in the older parts of the system where the primary water line breaks have been routinely occurring. Replacement of water lines and more efficient water meters are eligible for Green project Reserve (GPR) funding.	C	$6,500,000.00		Yes-BC	$6,500,000.00	X
124	2	12321	Springtown	TX1840003	This project will replace 4350 LF of old leaking water lines which will address water loss. A water loss audit will be available with the formal application.	C	$760,000.00		Yes-BC	$676,100.00	X
145	0	12477	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	
Public Water System Total		**23**					**$100,116,675.90**	**9**	**23**	**$57,054,744.00**	
Total		**23**					**$100,116,675.90**	**9**	**23**	**$57,054,744.00**	

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