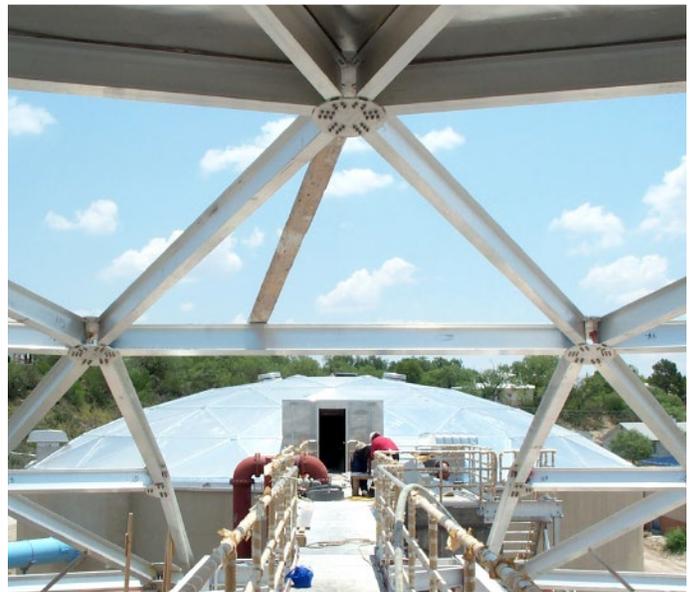


STATE OF TEXAS

Intended Use Plan

Drinking Water State Revolving Fund

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



SFY **2016**

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

**Texas Water Development Board
SFY 2016 Drinking Water State Revolving Fund
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Dated: August 26, 2015

Cover Photos

- Upper Left: Canyon Regional Water Authority – Top of Plate Separator at surface water treatment plant.
- Upper Right: Fort Worth Eagle Mountain Water Treatment Plant – Excavation for the High Service Pump Station.
- Lower Left: City of Dallas East Side Water Treatment Plant – Completed placement of concrete auger-cast piles.
- Lower Right: Eagle Pass – View from water treatment plant clarifier dome.

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**Drinking Water State Revolving Fund
Acronyms**

ACV	Acute Coliform Violation	PIF	Project Information Form
ACS	American Community Survey	PL	Public Law
AIS	American Iron & Steel	PPL	Project Priority List
AMHI	Annual Median Household Income	PWS	Public Water System
BMP	Best Management Practice	PWSS	Public Water Systems Supervision
CCN	Certificate of Convenience and Necessity	SDWA	Safe Drinking Water Act
CWSRF	Clean Water State Revolving Fund	SSTA	Small Systems Technical Assistance
CPE	Comprehensive Performance Evaluation	SWA	Source Water Assessment
CPI	Consumer Price Index	SWP	Source Water Protection
DWSRF	Drinking Water State Revolving Fund	SWPR	Source Water Protection Reserve
EPA	Environmental Protection Agency	SFY	State Fiscal Year
FFY	Federal Fiscal Year	SMP	State Management Plan
FMT	Financial, Managerial, and Technical	SRF	State Revolving Fund
GPR	Green Project Reserve	TAC	Texas Administrative Code
HCF	Household Cost Factor	TCEQ	Texas Commission on Environmental Quality
IUP	Intended Use Plan	TWDB	Texas Water Development Board
I IPL	Initial Invited Projects List	TXWARN	Texas Water/Wastewater Agency Response Network
LA	Local Assistance	TCV	Total Coliform Violation
MCL	Maximum Contaminant Level	TMDL	Total Maximum Daily Load
NEPA	National Environmental Policy Act	VSS	Very Small System
PAD	Planning, Acquisition, and/or Design phases of a project	WUD	Water Utilities Database

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

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I. Introduction and Purpose of the Intended Use Plan

In 1996 Congress passed federal amendments to the Safe Drinking Water Act (SDWA) that established the Drinking Water State Revolving Fund (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.

Texas is eligible for a \$63,532,000 federal capitalization grant from funds appropriated by Congress for Federal Fiscal Year (FFY) 2015. The TWDB will use the grant, along with other available sources of funds, to provide \$250,000,000 for projects in this SFY 2016 IUP. The sources of funds include the FFY 2015 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 both below-market interest rates and additional subsidization. The additional subsidization is offered in the form of 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, Subsidized Green funding, Very Small Systems funding, Urgent Need funding, or Disadvantaged Community funding. The demand for this principal forgiveness funding far outpaces its availability. Therefore, entities invited to submit applications for principal forgiveness funding are strongly encouraged to apply as soon as possible after receiving their invitation.

The IUP's priority list of projects is subdivided into the 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, applications for funding under this SFY 2016 IUP will be accepted on a first-come, first-served basis year-round until the SFY 2017 IUP is approved.

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II. Description of the Drinking Water State Revolving Fund Program

The DWSRF provides below market-rate financial assistance and various levels of principal forgiveness to finance projects that facilitate compliance with primary drinking water standards or otherwise significantly further the health protection objectives of the SDWA. All projects funded through the DWSRF must be consistent with the most recently adopted TWDB State Water Plan.

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

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)

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III. Significant Program Changes

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

1. **Affordability Criteria (Appendix D)** – The IUP incorporates new affordability criteria based on income, unemployment rates, and population trends.
2. **Cost Savings from SRF Financing (Section V)** – The IUP now includes an illustration of the significant cost savings that may be possible when using the DWSRF compared to market rate financing.
3. **Carryover of Project Information Forms (Section VII.B.)** - SFY 2016 is the last year that projects from the prior IUP will be automatically rolled forward to the subsequent IUP.
4. **Water Loss Mitigation (Section VII.I)** – Implements state law that requires a retail public utility to mitigate water losses that meet or exceed a specific threshold.
5. **Commitment Timeframes for Additional Subsidization (Section VII.K)** – Establishes TWDB commitment timeframes for projects that have been designated to receive additional subsidization.
6. **Closing Deadlines for Commitments with Principal Forgiveness (Section VII.L)** Requires TWDB commitments that include principal forgiveness only to close within three months from the date of commitment and those commitments that include principal forgiveness funding concurrently with bonds/loan funding to close within six months. Commitments for bonds/loan funding without any principal forgiveness funding continue with a one-year closing requirement.
7. **Multi-Year Commitments (Section VIII)** - The TWDB now offers multi-year commitments to assist entities that need to fund large projects over a period of time.

IV. Funding Available

A. Requirements, Allocations and Reserves

1. Federal Requirements on Available Funds

Funds are subject to federal requirements such as the Davis-Bacon Act prevailing wage 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.

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2. Allocations of Available Funds

A total of \$250,000,000 is available for SFY 2016. The amount of funds available is allocated to the following funding options.

Funds Available

Funding Option	Allocation
Disadvantaged Community	\$7,753,420
Subsidized Green	\$952,980
Very Small Systems	\$2,000,000
Urgent Need	\$2,000,000
Bonds/Loans	\$237,293,600
Total	\$250,000,000

Additional subsidization is provided in the form of principal forgiveness for Disadvantaged Communities, Subsidized Green, Very Small Systems, and Urgent Need funding.

3. Reserves Established from Available Funds

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

Funding Reserves

Reserve	Amount
Construction-only (up to 70% of funds available)	\$175,000,000
Green Projects (10% of capitalization grant) *	\$6,353,200
Source Water Protection (10% of funds available)	\$25,000,000
Small Communities (15% of available funds)	\$37,500,000
Extended Terms (75% of available funds)	\$187,500,000
*This amount includes the funds allocated for green subsidy.	

A portion of the source water protection reserve is allocated as principal forgiveness to eligible disadvantaged projects and subsidized green funds. If the principal forgiveness is not awarded to source water protection projects, it will be used for other eligible purposes. Please see Appendix C for more information on source water protection.

B. Leveraging to Provide Additional Funding

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

C. 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.

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D. 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 Clean Water State Revolving Fund (CWSRF) programs. In accordance with Section 302, the TWDB hereby reserves the authority to transfer an amount up to thirty-three percent (33%) of the DWSRF program capitalization grant(s) to the CWSRF program or an equivalent amount from the CWSRF program to the DWSRF program.

V. Cost Savings from SRF Financing

The DWSRF program provides cost-effective funding that will result in significant savings compared to market-rate financing. The chart below illustrates the estimated savings from using the DWSRF based on the Loan Comparison Calculator currently located on the TWDB website (<http://www.twdb.texas.gov/financial/index.asp>). The first example shows the estimated savings for a borrower with an AA market rating based on DWSRF financial assistance of \$10 Million over 30 years with an interest rate reduction of 125 basis points from the market rate.

Funding Option	Cost of Funds	DWSRF Amount of \$10,000,000 over 30 yrs.	
		Debt Service Payments over 30 Years	Present Value of Payments over 30 Years
Market – Borrower rating of AA	3.275%	\$15,905,539	\$11,557,780
DWSRF	2.186%	\$13,775,753	\$10,000,000
Savings Using DWSRF *		\$2,129,786	\$1,557,780

The next example shows the estimated savings for non-rated borrower based on DWSRF financial assistance of \$10 Million over 30 years with an interest rate reduction of 125 basis points from the market rate.

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Funding Option	Cost of Funds	DWSRF Amount of \$10,000,000 over 30 yrs.	
		Debt Service Payments over 30 Years	Present Value of Payments over 30 Years
Market – Non-Rated Borrower	4.415%	\$18,303,606	\$11,427,562
DWSRF	3.337%	\$16,031,626	\$10,000,000
Savings Using DWSRF *		\$2,271,980	\$1,427,562

* Rates from the TWDB Loan Comparison Calculator were current as of July 9, 2015. A reduction of 125 basis points below market is given on the DWSRF financial assistance and includes an origination fee of 2.25%. The Loan Comparison Calculator takes into account the origination fee but excludes the Cost of Issuance and the Underwriter's Discount. The example above is for illustrative purposes only.

VI. Drinking Water State Revolving Fund Program Goals

The primary goal of the Texas DWSRF program is the same as the SDWA's – 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 by allocating an equivalent of 10% 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 funding available by leveraging the program as necessary to meet the demand for funding additional drinking water projects.
4. Utilize, if necessary, the strength of the CWSRF to enhance the DWSRF by cross-collateralizing the programs in accordance with state and federal law.
5. Continue our efforts to reduce the balances of past federal grant funds.

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6. Enhance our current level of outreach on the SRF programs by hosting regional financial assistance workshops and continued use of social media.
7. Assist water systems with urgent needs through concerted outreach, interagency coordination, and technical and financial assistance in the form of principal forgiveness from the Urgent Need reserve.
8. Apply for the FFY 2015 grant during the first year that it is available as requested by EPA.
9. Enter into binding commitments that total 120% of the amount of the grant that will be allocated to projects.

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.
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.
5. Continue to manage our efforts to reduce the outstanding grant balances and achieve EPA's best management practices.

VII. Criteria and Method of Distribution of Funds

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 2, 2015.

The required information submitted on a PIF consisted of:

- A detailed description of the proposed project

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- 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
- 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 Prior Intended Use Plans

For SFY 2016, projects that were included in the prior SFY 2015 IUP's Project Priority List but were not funded during 2015 were automatically included in the project lists based on the number of priority points received in the year they were first accepted and rated. Individual rankings were not preserved and reflect all other projects being considered. An update form was available for entities wishing to update project information for a project that was carried forward.

SFY 2016 is the last year that projects from the prior IUP will be automatically rolled forward to the subsequent IUP without being updated. Beginning in SFY 2017, 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 beginning in SFY 2017 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 new 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 and effective management, TCEQ performed the priority rating for water system projects. The general rating criteria for projects are described below, with details provided in

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Appendix C. 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.
- Secondary Compliance – factors regarding secondary chemicals and/or physical deficiencies (see Appendix C).
- Effective Management – factors relating to the implementation of effective management practices.
- Affordability – factor applied to an entity that qualifies as a disadvantaged community (see Appendix D).

2. Rating Criteria for Source Water Protection Projects

- Groundwater System Vulnerability – factor relating to vulnerability of groundwater systems.
- Surface Water System Vulnerability – factor relating to vulnerability of surface water systems.
- Effective Management – factors relating to the implementation of effective management practices.
- Affordability – factor applied to an entity that qualifies as a disadvantaged community (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 Project Priority List (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 2nd 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

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3. The fundable amount of a proposed project does not increase by more than 10% of the amount listed in the approved IUP. The Executive Administrator may waive the 10% limit to incorporate additional elements to the project; however, any additional subsidization awarded may not exceed the original IUP amount's allocation.

The Initial Invited Projects List (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 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 2016. The phases indicated on the IIPL represent the phases deemed eligible based on that review. To fulfill the reserve established for construction projects, those projects representing only the construction phase that are ready to proceed receive a priority 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.

Projects that received funding for planning, acquisition and/or design during 2013, 2014, or 2015 were automatically added to the SFY 2016 PPL and the IIPL for construction phase funding based on the number of points 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. Beginning in SFY 2017, 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.

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 IIPL

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.

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2. Construction Funding Only

Projects on the IIPPL that were determined to be ready to proceed to construction based on the current status of their planning, acquisition, and design activities may receive an invitation to fund the construction portion of the project.

For SFY 2016, the TWDB is reserving up to 70% of funds available for projects that requested Construction funding only, provided there are sufficient projects deemed ready to proceed.

3. Planning, Acquisition, and Design

A project on the IIPPL that has not completed planning, acquisition, and design (PAD) activities and was not deemed ready to proceed to construction may receive an invitation to fund only the PAD portion of the project.

G. Invitations and Application Submissions

Entities with projects on the IIPPL 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 IIPPL that are interested in pursuing funding are encouraged to begin working on their applications upon publication of the draft IUP in order to have them administratively complete and 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 IIPPL that are received during the initial invitation round after Board approval of the IUP will be allotted funding for 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.

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

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basis, with funding allocations based on the date the application is considered administratively complete.

Applicants may submit a project information form (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. Funding Options and Terms

Entities listed on the IIP and subsequent 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% 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% if only water or sewer service is provided or greater than or equal to 2% 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 estimated DWSRF-funded project
≥ 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%, 50%, or 70% of the total project cost in principal forgiveness. 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

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is 30% or greater than the total project cost. This funding option offers principal forgiveness for up to 15% of the total 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 \$2,000,000 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% of the total project cost in principal forgiveness up to a total of \$200,000 per 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 unforeseen 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% of the water service connections or 20% of the total water provided to customers; or (3) other situations as established by TWDB guidelines. Urgent need projects submitted after the March 2, 2015 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 for disadvantaged communities, very small systems, and green subsidy, provided funding is available. A total of \$500,000 may be provided from the reserve to any one urgent need project.

5. Bond/Loan Funding

All entities that are listed on the IIP, and the initial or amended 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. All financial assistance will be offered at an interest rate subsidy of up to 125 basis points below market interest rates based on a level debt service schedule.

An origination fee of 2.25% 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.

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6. Summary of Options:

Funding Option	Principal Forgiveness	Interest Rate	Origination Fee
Disadvantaged Community	30%, 50%, or 70%	125 basis points below market *	2.25%**
Subsidized Green	15%		
Very Small Systems	100%	N/A	N/A
Urgent Need	100%	N/A	N/A
Bond/Loan	N/A	125 basis points below market *	2.25%
* Based on a level debt service schedule			
** Not assessed on the principal forgiveness portion			

Note: An entity may receive Disadvantaged Community, Green, Very Small System, and Urgent Need principal forgiveness, concurrently with a bond or loan. In this instance, the entity also will be eligible for a maximum repayment period of 30 years provided the extended term reserve has not been met.

I. Water Loss Mitigation

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 TWDB, including the DWSRF, 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.

J. 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.

K. 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

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another eligible project. The 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 Communities	4 months
Very Small Systems	4 months
Green Subsidy	4 months
Urgent Need	3 months

L. 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. 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

M. 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.

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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.

N. Updates to the Intended Use Plan

Substantive changes to the IUP will 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.

VIII. Multi-year Commitments

In SFY 2016, the DWSRF will implement multi-year commitments to assist entities that need to fund large projects over a period of time. This new option will provide a reliable source of capital based on a commitment structure that meets the annual capital requirements of the project. The commitments may extend up to five years. To assist in providing for long-term financial planning, the interest rate reduction (e.g. 125 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.

This option is only available for projects that do not receive additional subsidization in the form of principal forgiveness 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.

Any entity receiving a multi-year commitment will need to annually re-confirm their anticipated funding commitments established with the initial commitment.

IX. Set-Aside Accounts, Activities, Administration and Coordination

Federal regulations allow states to set aside up to 31% of the capitalization grant funds for purposes other than financing construction projects for water systems. The TWDB anticipates the set asides for SFY 2016 will be allocated as follows: 4% for the TWDB for administration, 10% for TCEQ for State Program Management, 2% for TCEQ for Small Systems Technical Assistance, and \$1,500,000 (approximately 2.36%) for TCEQ for Local Assistance and Other State Programs.

A. Texas Water Development Board Administration Activities

The SDWA allows a state to set aside funds equal to 4% of its annual capitalization grant for the reasonable costs of administering the DWSRF. In addition, Federal regulations governing the DWSRF program permit a state to reserve its authority to take an amount equal to 4% 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.

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The TWDB will draw administrative set-asides from the FFY 2015 Capitalization Grant in the approximate amount of \$2,541,280. These funds will be used for allowable expenses such as reporting activities, payment processing, application assistance, and project development and monitoring. 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 2.25% 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.

B. Texas Commission on Environmental Quality Activities

The funds for TCEQ set-aside activities from the FFY 2015 capitalization grant total \$9,123,840 may be used in SFY 2016. Remaining funds from previous DWSRF grants, except for funds for Local Assistance and Other State Programs, may also be used in SFY 2016.

State Program Management Set Aside from FFY 2015 grant	\$6,353,200
Small Systems Technical Assistance Set Aside from FFY 2015 grant	\$1,270,640
Local Assistance Set Aside from FFY 2015 grant	\$1,500,000
Total TCEQ set-aside amount from FFY 2015 grant	\$9,123,840

1. State Program Management (Maximum Allowed: 10%; Taken from FFY 2015 Grant: 10% / \$6,353,200.)

The TWDB will set aside an amount equal to 10% (\$6,353,200) of the FFY 2015 capitalization grant, combined with carry-over funds from previous capitalization grants, for the TCEQ to carry out set-aside activities relating to State Program Management.

These funds will be used to implement the Primacy Program and the Capacity Development Strategy in the State of Texas. As part of the Primacy Program, the funds will be used to address additional program requirements of the Public Water System Supervision (PWSS) program outlined by the SDWA; administer or provide technical assistance; and support the compliance, monitoring and enforcement of PWS. A more detailed description of activities may be found in TCEQ's DWSRF Set-Aside Work Plans. Activities are expected to be completed by August 31, 2016.

2. Small Systems Technical Assistance (Maximum Allowed: 2%; Taken from FFY 2015 Grant: 2% / \$1,270,640.)

The TWDB will set aside an amount equal to 2% (\$1,270,640) of the FFY 2015 capitalization grant, combined with carry-over funds from previous capitalization grants, for the TCEQ to carry out set-aside activities relating to Small Systems Technical Assistance.

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These funds will be used to support the compliance and monitoring of small PWS (systems with fewer than 10,000 people) as part of the primacy program of the State of Texas, implementation of the Capacity Development Strategy requirement of the SDWA and the implementation of source water protection (which includes both surface and wellhead protection) activities within the State. A more detailed description of activities may be found in TCEQ's DWSRF Set-Aside Work Plans. Activities are expected to be completed by August 31, 2016.

3. Local Assistance and Other State Programs (Maximum Allowed: 15%; Taken from FFY 2015 Grant: approximately 2.3% / \$1,500,000.)

The TWDB will set aside \$1,500,000 of the FFY 2015 capitalization grant for the TCEQ to carry out set-aside activities relating to Local Assistance and Other State Programs.

These funds will be used to support the implementation of the Capacity Development Strategy requirement of the SDWA and the implementation of source water protection (which includes both surface and wellhead protection) activities within the State as part of the primacy program of the State of Texas. A more detailed description of activities may be found in TCEQ's DWSRF Set-Aside Work Plans. Activities are expected to be completed by August 31, 2016.

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.

X. Financial Status of the Drinking Water State Revolving Fund

The base amount of funding available for SFY 2016 is set at \$250,000,000. The amount of the FFY 2015 capitalization grant allotment for the DWSRF program is \$63,532,000, with a match of \$12,706,400 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 2015 allotment in SFY 2016.

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 has established a goal to enter into binding commitments during SFY 2016 that total 120% of the amount of the FFY 2015 grant that will be allocated to projects. A

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binding commitment occurs when the TWDB's Board adopts a resolution to commit funds to a project. To meet the binding commitment requirement, the initial round of projects invited to submit applications, which totals \$449,338,911, exceeds the amount of the capitalization grant and state match funds. After the initial invitation round, TWDB invites additional entities to submit applications on a first-come, first-served basis. If all of the grant funds are not committed or otherwise obligated; grant funds remaining after the SFY 2016 funding cycle has ended will be rolled forward to the SFY 2017 IUP.

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 CWSRF.

D. Method of Cash Draw

The method of cash draw for the FFY 2015 capitalization grant is to expend the required state match first, and then federal funds will be drawn at a rate of 100%.

E. 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.

F. 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 125 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.

G. Fees

The only fee is an origination fee of 2.25% that is assessed at closing. Fees are not deposited into the DWSRF. The fees may be used for administrative costs, including project oversight, and long-term financial monitoring.

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H. EPA Program Evaluation Report (PER) and Audit

EPA conducted an annual program review of the DWSRF for SFY 2014 through an onsite review occurring from March 30, 2015 to April 2, 2015. EPA is currently preparing the PER based on the annual review.

The Texas State Auditor's Office published the results of the SFY 2014 Single Audit of the DWSRF in February 2015. There were no findings as a result of the review.

XI. 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 Public Water System (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 IIPPL 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.

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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 2016 DWSRF IUP, dated July 10, 2015, 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 10, 2015, until 5:00 P.M. on August 8, 2015.

1. Attending a public hearing that was held on July 29, 2015, at 10 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:
iupcomments@twdb.texas.gov.

Please specify in the subject line “DWSRF comments”.

4. Mailing comments to the following postal mail address:
Ms. Jo Dawn Bomar, 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.

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C. Approval

The SFY 2016 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.

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**Appendix B. Projected Sources and Uses of Funds
9/1/2015 to 8/31/2016
(As of June 30, 2015)**

SOURCES:

FFY 2015 Federal Capitalization Grant	\$63,532,000
State Match - for FFY 2015 Federal Capitalization Grant	\$12,706,400
Undrawn previous grants	\$158,713,809
State match to be deposited	\$10,444,104
Principal Repayments	\$42,370,707
Interest Repayments	\$13,286,997
Investment Earnings on Funds	\$136,505
Cash available	\$72,622,428

TOTAL SOURCES:	\$373,812,950
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USES:

Set-Asides from FFY 2015 Grant:

TWDB Administrative Set-Aside	\$2,541,280
Total TWDB Set-Aside:	\$2,541,280

TCEQ Small Systems Technical Assistance (SSTA) Program Set-Aside	\$1,270,640
TCEQ Texas State Management Program (SMP) Set-Aside	\$6,353,200
TCEQ Local Assistance (LA) Set-Aside	\$1,500,000
Total TCEQ Set-Asides	\$9,123,840

<u>Set-Asides from prior grants</u>	\$9,369,051
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Projects to be funded:

SFY 2016 IUP Commitments - 20%	\$12,706,400
SFY 2016 IUP Commitments – Bonds/Loans (Available Amount less Addit. Subsidy)	\$237,293,600
Total Projects To Be Funded - SFY 2016:	\$250,000,000

Projects already pledged

Commitments	\$48,479,781
Applications	\$24,804,600
Installment closings during SFY 2016	\$21,804,467
Total Projects Already Pledged or being processed:	\$95,088,840

Debt Service for Match:

Principal Payments	\$4,439,189
Interest Payments	\$3,250,750
Total Debt Service:	\$7,689,939

TOTAL USES:	\$373,812,950
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NET SOURCES (USES):	\$0
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Fees are not deposited into the Fund; therefore, based on EPA guidance they are not included in the Sources and Uses for the Fund

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Appendix C. Rating Criteria

TCEQ Ratings

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

Combined Rating, Health and Compliance, and Primary Compliance Factors

Microbiological Factors

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

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

Chronic Chemical

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

Result/MCL

Acute Chemical

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

(Result/MCL) X 3

Carcinogen

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

(Result/MCL) X 2

Lead/Copper

Two times the greater of the 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

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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.	1.5
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 TMDL implementation plan	2.00

Disadvantaged Eligibility

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

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

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Source Water Protection Rating Criteria and Process

This program provides financial assistance to assist communities in implementing source water protection best management practices (BMPs) 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% 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 TAC §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 (SWAP) 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 (N) concentrations of greater than two mg/l 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 trans-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	

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- 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.

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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% of the state median household income using an acceptable source of socioeconomic data, and
 - (b) the Household Cost Factor that considers income, unemployment rates, and population trends must be greater than or equal to 1% if only water or sewer service is provided or greater than or equal to 2% if both water and sewer service are provided.

Acceptable Source of Socioeconomic Data for SFY 2016

For SFY 2016, the TWDB will utilize:

- (1) U.S. Census 2009-2013 American Community Survey (ACS) 5-year estimates, along with the 2006-2010 American Community Survey (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 annual median household income (AMHI) for the project service area (either entire or portion) must be 75% or less than the state's AMHI using an acceptable source of socioeconomic data for SFY 2016.

Step 2. Determining the Household Cost Factor

The total Household Cost Factor (HCF) is comprised of a household cost factor based on the annual median household income, 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

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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%) and the Population Decline HCF (not to exceed 0.5%), must be:

- 1.0% or greater if the entity currently offers either water or sewer service, or
- 2.0% 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% (if only water or sewer service is provided) and 2% (if both water and sewer services are provided) as shown in the chart below:

Household Cost Factor Difference	Principal Forgiveness as a % of estimated DWSRF-funded project
≥ 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 State Fiscal Year 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 CCN, 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 2009-2013	Calculation	ACS 2009-2013	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
La Salle	9503	3	247	23.66%	\$22,031	\$5,212	4.23	1.00	247
La Salle	9503	4	315	30.17%	\$25,313	\$7,638	4.26	1.29	405
La Salle	9503	5	482	46.17%	\$27,115	\$12,519	2.81	1.30	625
			1,044	100%		\$25,368		3.58	1,277

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County	Census Tract	Block Group	ACS 2009-2013	Calculation	ACS 2009-2013	ACS 2006-2010	Calculation
			Unemployment Rate	Prorated Unemployment Rate	Prorata Population 2013	Prorata Population 2010	Prorata Pop. Change
La Salle	9503	3	14.23%	3.37%	993	885	108
La Salle	9503	4	25.46%	7.68%	1,315	1,173	142
La Salle	9503	5	4.99%	2.30%	1,423	1,634	-211
				13.35%	3,731	3,692	39

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 2016. The following tables are an example of the method used. The TWDB will require use of prorated rates to determine an entity's water and/or sewer bills when applicable.

Prorated Average Monthly Water Bill

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

Prorated Average Monthly Sewer Bill

	A	B	C	D	E	F	G	H	I	J	K	L
	Number of Household Connections (HH)	Percentage of Total HH	Average Monthly Water Flow	Average Household Size	Average Mo. Water Flow / HH (Cx D)	First Tier	Initial Rate	Additional Use	Additional Rate	Other Changes	Average Mo. Water Bill (((E-F)/H)xI)+G)	Prorated Mo. Water Bill (BxK)
Entity A	1,823	33.95%	1,279	2.56	3,274	3,000	\$ 10.95	1,000	\$ 2.25	\$ 2.00	\$ 13.57	\$ 4.61
Entity B	1,135	21.14%	1,279	2.47	3,159	3,000	\$ 17.00	100	\$ 0.83	\$ -	\$ 18.32	\$ 3.87
Entity C	1,836	34.20%	1,279	2.78	3,556	-	\$ 20.79	1	\$ -	\$ -	\$ 20.79	\$ 7.11
Entity D	575	10.71%	1,279	2.53	3,236	1,500	\$ 10.00	1,000	\$ 2.00	\$ -	\$ 13.47	\$ 1.44
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% of the state's AMHI will automatically receive Disadvantaged Community status with the lowest available level of principal forgiveness.

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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% 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% of the State's AMHI.

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Appendix E. Federal Requirements and Assurances

A. Federal Requirements

1. Davis-Bacon Act

The TWDB and all DWSRF financial assistance recipients will comply with the requirements of 40 CFR Part 31, the Davis-Bacon Act, and the U.S. Department of Labor's implementing regulations. The Department of Labor provides all pertinent information related to compliance with labor standards, including prevailing wage rates and instructions for reporting. The requirements of section 1450(e) of the Safe Drinking Water Act (42 U.S.C. 300j-9(e)) shall apply to any construction project carried out in whole or in part with DWSRF assistance. All contracts and subcontracts for any construction project carried out by this assistance shall insert, in full, in any contract or subcontracts in excess of \$2,000 the contract clauses of the document "*Texas Water Development Board Supplemental Contract Conditions and Instructions*" located at:

<http://www.twdb.texas.gov/financial/instructions/doc/TWDB-0550.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 P.L. 113-235, Consolidated and Further Continuing Appropriations Act 2015 (Act). The Act 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.

The following are exempt from the AIS requirements:

- (a) Financial assistance agreements closed before January 17, 2014;

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(b) Financial assistance agreements closed on January 17, 2014 through December 15, 2014 where the Plans and Specifications were submitted to the TWDB prior to or on January 17, 2014 and approved by TWDB between January 17, 2014 and April 15, 2014;

(c) Financial assistance agreements closed on or after December 16, 2014 and the Plans and Specifications were approved by TWDB prior to December 16, 2014.

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.

Additional guidance and information is available at
http://water.epa.gov/grants_funding/aisrequirement.cfm

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.

A complete list of cross-cutting guidelines are located at:
www.epa.gov/safewater/dwsrf/xcuts.html

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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 federal capitalization grant requirements, the TWDB is required to provide a minimum of \$12,706,400 in additional subsidization. The TWDB has allocated the additional subsidy as follows:

Funding Option	Additional Subsidy Allocation
Disadvantaged Community	\$7,753,420
Subsidized Green	\$952,980
Very Small Systems	\$2,000,000
Urgent Need	\$2,000,000
Total	\$12,706,400

The TWDB may increase the amount of additional subsidization that is allocated to these four funding options up to a total of \$19,059,600, or 30% of the FFY 2015 capitalization grant.

6. Green Project Reserve

The capitalization grant for FFY 2015 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% 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% 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.

Projects which do not meet criteria of categorically green are required to produce a business case document. A business case demonstrates that proposed green component benefits have been thoroughly researched and documented. The TWDB utilizes the green project

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information worksheet (TWDB-0163) as a standard template for business cases. For information on the TWDB's GPR initiative and recently closed business cases, visit <http://www.twdb.texas.gov/financial/programs/green/>.

Appendix L, "Initial Invited Green Projects", lists invited green projects with project descriptions that detail the green category associated with the project, whether the project is categorically eligible or may require a business case, and how much of the project's total cost is applicable to the GPR.

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 on June 17, 2015 by EPA Region 6, which 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 (QTRAK #14-038), received on November 4, 2013 which is approved through November 4, 2016.
2. The "TCEQ Quality Management Plan, Revision 20 (2015)" (QTRAK# 15-059) approved on December 10, 2014 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 financial, managerial, and technical (FMT) capacity with respect to national primary drinking water

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regulations. If DWSRF financial assistance is being provided to the new system, TCEQ conducts and provides to TWDB the results of its Financial, Managerial, and Technical (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 2015 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 September 30, 2014.

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 24, 2014.

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.

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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.

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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 projects that received funding for planning, acquisition and/or design during SFY 2013, 2014, or 2015 and were automatically added to the SFY 2016 PPL and IIPL for construction phase funding.

2. Disadvantaged Communities

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. Small Communities

A minimum of 15% 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% of the capitalization grant, the Executive Administrator may bypass other projects to include additional small community projects.

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6. 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.

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.

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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													
51	42	11634	114th Street Mobile Home Park	P	TX1520067	123	Installation of filters to remove arsenic and fluoride.	PDC	\$200,000.00				
80	23	11635	Abilene	M	TX2210001	116,412	Implement trihalomethane precursor removal and stripping processes at the city's water treatment plant to lower TTHM in the finished water.	C	\$11,478,000.00				
62	31	11636	Abraxas Corporation	P	TX1840034	537	Construction and installation of filters at each well to remove radium.	PDC	\$330,000.00				
171	11	11338	Agua SUD	D	TX1080022	4,026	Installation of 6" and 8" lines by regular trenching and excavation method or pipe bursting technique, whichever is deemed feasible based on the existing water lines.	PDC	\$1,065,000.00	30%			
238	4	11342	Alice	M	TX1250001	21,248	Our proposal is to repair/rehabilitate the 20" raw water, 22.5 mile transmission main by slip lining.	PAD	\$414,000.00		Yes-BC	\$414,000.00	
277	2	11637	Alice	M	TX1250001	19,744	This project would add 19 wells along the course of the 20" raw water transmission main and would add approximately 25.36 acre- feet of water/day or 9,257 acre- feet per year to the City's potable water. With the drought the past two years and with increased commercial and industrial development, it is increasingly important to provide additional resources to the City's potable water. This project implements recommended water management strategies in the 2012 State Water Plan.	PAD	\$4,694,138.00				
23	79	11639	Anahuac	M	TX0360001	2,880	Rehabilitate the surface water treatment plant, construct a raw water holding pond, and replace cast iron water lines. The treatment plant is in poor condition and has been out of service since 2010; water lines were constructed in the late 1940s and 1950s. The City received a notice of enforcement in 2012 from TCEQ for trihalomethane violations.	PADC	\$2,700,741.00				
319	0	11640	Anahuac	M	TX0360001	2,880	Replace water lines and install fire hydrants.	PADC	\$616,965.00		Yes-BC	\$418,965.00	

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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														
317	0	11642	Anson	M	TX1270001	2,556	The city plans to re-pipe four clearwells with new piping and valves and provide a by-pass for redundancy which the system does not currently have. The city also plans to provide a building around the clarifier and filter structure. The City of Anson has four 100,000 gallon clearwells at their WTP. The piping and valves between them as well as one of the high service pump structures is over 40 years old. Secondly, the current clarifier and filter structure are exposed to blowing dirt and debris causing turbidity issues in the City's treatment process.	PDC	\$1,100,000.00					
27	74	11343	Anthony	M	TX0710001	3,212	Upgrades to booster station, install arsenic treatment system, install chlorination control system, install new 250,000 gallon tank, rehab and/or replace lines, install new well and rehab existing one.	PADC	\$7,090,544.00	50%	Yes-BC	\$1,114,500.00		
19	86	11080	Aspermont	M	TX2170001	1,754	The City of Aspermont proposes to construct an RO Water Treatment Plant and develop additional well resources.	PDC	\$3,000,000.00	30%				
159	12	11344	Atlanta	M	TX0340001	5,672	Install a new ground storage tank, rehabilitate another ground storage tank, rehabilitate both elevated storage tanks, install new water line with in-line meters, install new high speed pumps, and create an asset management plan.	PDC	\$2,752,800.00	30%	Yes-BC	\$578,088.00		
28	71	11350	Baird	M	TX0300001	3,233	Replace the old water treatment plant with a new 1.0 MGD microfiltration or ultrafiltration water treatment plant. This plant will allow the city to meet TCEQ supply and treatment requirements and it will eliminate the current TCEQ violations. Also, replace the 50 year old cast iron raw water transmission line with a new PVC raw water line. The city has experienced significant water loss due to leaks in the old raw water line.	PDC	\$4,850,000.00					
77	23	11081	Bartlett	M	TX2460006	1,980	Replace existing cast iron, thin wall PVC, and asbestos cement mains. Install larger mains to provide fire protection. Replace existing meters with new AMR meters. The city will prepare an Asset Management Plan.	PDC	\$5,000,000.00	50%	Yes-BC	\$4,400,000.00		
144	13	11314	Barton WSC	W	TX0720013	697	Add chloramines disinfection systems at all pump station sites and add a section of water line for a system loop to improve disinfection residuals.	PADC	\$800,000.00		Yes-CE	\$800,000.00		

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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													
339	0	11664	Beaumont	M	TX1230001	131,000	Extend a 36-inch diameter water transmission line from the Water Plant on Pine Street to the new 2 million gallon elevated storage tank on Dishman Road.	ADC	\$9,297,000.00				
284	1	11315	Bedford	M	TX2200003	50,000	The City of Bedford, Texas would like to undertake the "Water Distribution System Conservation Program" to reduce water lost through leaks and pipe breaks by replacing 150 miles of pipe, as well as replacing inaccurate and old water meters.	C	\$90,000,000.00		Yes-BC	\$90,000,000.00	
16	123	11316	Beeville	M	TX0130001	13,068	Expand and upgrade the existing pretreatment and disinfection systems at the WTP to improve system reliability and TOC reduction, helping the City to get back into compliance for TTHMs. (Refer to Section III for additional information)	PDC	\$3,006,000.00	30%			
141	13	11667	Blanket	M	TX0250013	400	Drill two new water wells; replace 2,700 LF of old, leaky water lines and old meters; and construct 1,300 LF of water lines to loop dead ends.	PDC	\$800,000.00		Yes-BC	\$320,600.00	
292	1	11318	Blooming Grove	M	TX1750001	821	Construct new water well & associated infrastructure, erect new ground storage tank and develop an asset management plan.	PADC	\$1,144,570.00				
253	3	11319	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				
175	10	11669	Bluff Dale WSC	W	TX0720036	300	Installation of a second well that will allow the continual distribution of water.	PADC	\$301,020.00				
276	2	11672	Borger	M	TX1170001	14,203	Augment existing primary well field into adjacent water rights area owned by City to increase production capacity and dilute water produced by the wells having high chlorides. Increased production will allow the system to operate below the 85% threshold required by TCEQ.	PADC	\$35,596,300.00				
6	211	11352	Brady	M	TX1540001	5,508	Replacement of many miles of pipeline that is leaching combined radium back into treated water as it is distributed. Construction of a new elevated storage tank and lines to alleviate low pressure areas.	PADC	\$22,381,000.00	50%	Yes-BC	\$400,000.00	

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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													
200	10	11674	Brady	M	TX1540001	5,324	Extend a 12-inch water main with an 8-inch branch main to loop-in water distribution system to the hospital for improving water capacity and pressure requirements.	ADC	\$804,600.00	30%	Yes-BC	\$4,000.00	
5	288	11675	Bronte	M	TX0410001	977	Four new wells, raw water transmission lines, treatment plant expansion, finished water transmission lines and new standpipe.	C	\$6,698,960.00	30%	Yes-CE	\$576,000.00	
237	4	11357	Brookesmith SUD	D	TX0250004	12,697	Replacement of old water lines.	PDC	\$2,531,000.00		Yes-BC	\$2,531,000.00	
334	0	11358	Brookesmith SUD	D	TX0250004	8,750	Purchase 3,045 radio read meters to be installed by the Owner. This will allow for less vehicle use and manpower and increased system efficiency through increased meter accuracy reducing water loss.	PDC	\$975,000.00		Yes-BC	\$975,000.00	
68	26	11676	Brownsville	M	TX0310001	172,437	This project will connect an existing 16" waterline with a main to create a loop that would correct pressure problems in the northern area of town. This area has low pressure due to constant population growth without the infrastructure needed to compensate.	DC	\$279,748.00				
69	26	11678	Brownsville	M	TX0310001	172,437	This project consists of the installation of a 16" waterline and a 24" waterline that extend the BPUB's water system from a water tank on Martina Road to the Rio Del Sol Subdivision on the most northern end of the City of Brownsville. The purpose of this project is to increase pressures and flows to the distribution lines in the northern areas of Brownsville and to provide new service capabilities from the Martina Rd. Elevated storage tank to the Rio Del Sol Subdivision. The project increases the distribution capacity and addresses chlorine residual concerns to the northeast areas of Brownsville.	PDC	\$3,440,448.00				

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Public Water System													
214	10	11681	Brownsville	M	TX0310001	172,437	The implementation of a third phase of leak detection and improvement projects in conjunction with the replacement of aging water meters. Specific project elements include conducting leak detection and improvements over 656 miles of the service area and the replacement of 9,714 water meters that were installed between 2003 and 2005 as part of the BPUB's maintenance program aimed at reducing overall municipal water demand.	C	\$1,811,668.00		Yes-Comb.	\$1,881,677.92	
215	9	11683	Brownsville	M	TX0310001	172,437	This project consists of the installation of a 24" waterline, along Hwy 77 that will loop existing water infrastructure in order to increase pressures and flows to the distribution lines in the northern areas of Brownsville. Due to the constant growth in areas of the northern part of the City of Brownsville, several areas need to be looped in order to increase pressure.	ADC	\$1,079,523.00				
340	0	11685	Brownsville	M	TX0310001	172,437	Construction of new water infrastructure, including main lines and metered service lines. As part of a negotiation with Military Highway Water Supply Corporation (MHWSC), BPUB will be adding water customers currently served by MHWSC from areas in Northwest Brownsville and along US HWY 281 in the Villanueva Colonia area.	DC	\$1,743,221.00				
341	0	11688	Brownsville	M	tx0310001	172,437	Update and replace filter media and underdrains. Replace surface wash system and update electrical systems to address excess turbidity and aging system.	DC	\$4,773,829.00				
287	1	11689	Brushy Creek MUD	D	TX2460050	582	Complete replacement of the existing interior system. Replacement of the branch transmission line that connects Brushy Bend Park to the source of treated water. Includes construction of a new transmission main for service reliability and creation of an asset management plan.	C	\$2,400,000.00		Yes-BC	\$2,400,000.00	
309	0	11690	Buffalo Gap	M	TX2210003	648	Replace approximately 8,200 lf of water line and associated appurtenances.	DC	\$400,000.00				

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Public Water System													
163	11	11712	Burnet	M	TX0270001	4,735	Distribution system improvements to address system pressure.	C	\$1,265,000.00	70%	Yes-Comb.	\$1,375,000.00	
14	133	11362	Cameron	M	TX1660001	5,552	Convert from surface water to groundwater by developing a new well field, constructing a ground storage tank at the new well field, constructing a raw water pump station and transmission line from new well field to existing ground storage tanks at existing high service pump station. Rehabilitate existing high service pump station and existing ground storage tanks.	PDC	\$15,000,000.00	50%	Yes-BC	\$940,000.00	
326	0	11691	Canton	M	TX2340001	5,194	Treatment plant improvements include backup power and head pumps. A new transmission line is also needed to feed a new elevated storage tank.	PDC	\$1,805,000.00				
104	20	11366	Carbon	M	TX0670015	272	Pump station improvements to increase the storage and pumping capacities to meet compliance.	PDC	\$425,000.00	50%	Yes-BC	\$425,000.00	
204	10	11711	Central Bowie County WSC	W	TX0190024	7,512	Create a water line loop along FM 561. The system has difficulty maintaining chlorine residuals because of dead end lines.	C	\$88,000.00				
280	2	11696	Central Texas WSC	W	TX0140161	51,000	Install 49,500 L.F. of water line following Hwy. 95 from Granger to existing line. Install 86,000 L.F. of water line following F.M. Hwy 2095 and Hwy 190 from a new water well near Hanover west to an existing water line. Install pump station and 200,000 gallon ground storage tank at well site, 200,000 gallon ground storage tank at existing water line site in Pettibone. Install pump station at existing site in Pettibone to pump water to Buckholts and Rogers. Recondition existing water well in Buckholts, provide R.O treatment plant and pump station to pump water to Rogers. Install 85,000 L.F. water line from Cameron, extending along Hwy 77 north to existing water line in Rosebud. Water well in Trinity Aquifer and water line to connect to existing. Another water well in Trinity Aquifer to Doc L. Curb water treatment plant.	PADC	\$24,825,000.00				

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Public Water System													
50	43	11692	Central WCID	D	TX0030019	6,576	Water system improvements include replacing asbestos cement distribution lines, well repair and improvement, and new ground storage and pressure tanks. The water system exceeds asbestos Maximum Contaminant Levels, the wells are in poor condition, and the water system does not meet TCEQ requirements for minimum storage capacity.	PADC	\$2,023,700.00				
76	25	11697	Chaparral III WS	P	TX2460047	206	Filtration system to remove fluorides.	PDC	\$200,000.00				
191	10	11699	Clarendon	M	TX0650001	1,974	Replacement of cast iron mains with PVC and construction of an elevated tank.	PDC	\$2,465,000.00				
26	75	11320	Clyde	M	TX0300002	6,206	Pump water from Lake Fort Phantom Hill with 104,000 linear feet of water transmission pipeline. Rehabilitate intake and construct two pump stations. Rehabilitate surface water treatment plant.	PADC	\$12,000,000.00				
44	49	11718	Clyde	M	TX0300002	3,842	Construction of 104,000 lf of water pipeline and rehabilitation of the surface water treatment plant	PADC	\$8,900,000.00				10168
36	58	11321	Coahoma	M	TX1140002	817	Replacement of aged cast iron distribution lines with new PVC water lines, rehabilitate the interior and exterior of the existing EST. The city is making temporary improvements for short term compliance, the application will make permanent improvements (disinfectant chemical dosing station).	PDC	\$1,128,000.00		Yes-BC	\$170,000.00	
63	30	11322	Coleman	M	TX0420001	12,099	Replace untreated water supply line from Lake Coleman.	PDC	\$8,950,000.00	30%	Yes-BC	\$9,000,000.00	
93	22	11700	Colorado City	M	TX1680001	4,281	Drill 14 new water wells east of Colorado City, build new elevated storage tank, and install 14 miles of 8-inch through 16-inch water line from the new wells to the existing supply line. The City has implemented water rationing since summer 2010 in an attempt to keep the city from running out of water. In 2010 the capacities of two wells in the Perkins well field dropped enough that they can no longer be used; the East well field was operated 24 hours a day for 3 consecutive months just to keep up with demand. The city has reached its water supply limit and needs additional wells.	PDC	\$10,000,000.00	30%			

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Public Water System													
2	363	11324	Corix Utilities	P	TX0270014	348	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PADC	\$2,879,020.00		Yes-BC	\$1,007,657.00	
7	209	11326	Corix Utilities	P	TX0270080	111	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PADC	\$1,895,940.00		Yes-BC	\$319,500.00	
15	124	11327	Corix Utilities	P	TX0270041	267	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PADC	\$2,247,040.00		Yes-BC	\$786,500.00	
218	6	11325	Corix Utilities	P	TX1500008	350	Corix proposes to replace the existing raw water intake structure with new barge/raw water intake, as well as replacing the ground storage tank with a new 68,000 gallon ground storage tank. In addition, 4-in and 6-in ductile iron discharge pipelines from the WTP will be replaced to reduce the high water loss. Corix also plans to develop an asset management plan for this regional system.	PADC	\$460,000.00		Yes-BC	\$147,200.00	
245	3	11328	Coryell City WSD	D	TX0500013	5,408	The proposed project would replace key undersized and water waterlines with advanced age with the primary goal of reducing unaccounted for water loss. An asset management plant will be produced as part of the project.	PDC	\$2,000,000.00				
293	1	11367	Cottonwood Shores	M	TX0270013	1,127	Upgrade existing 0.5 MGD water treatment plant to 1.0 MGD. Add high service pumps and upgrade raw water pumps and automatic controls at Quarry Site. The City will complete an asset management plan as part of the proposed project.	PDC	\$3,817,000.00		Yes-BC	\$75,000.00	

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Public Water System													
78	23	11701	Cotulla	M	TX1420001	3,614	Install two new wells to supplement water supply and place elevated storage in strategic locations to reinforce pressure delivery. Project also includes water meter replacements, improved grid connectivity and reliability, and miscellaneous transmission loops. An asset management plan will be done sequentially with a hydraulic model already in progress.	PDC	\$14,010,690.00	70%	Yes-BC	\$991,650.00	
199	10	11329	Cotulla	M	TX1420001	5,262	Repair/Rehabilitation of pump stations, addition of storage, new production wells and water line loops/extensions.	PDC	\$19,786,159.00	70%			
301	0	11702	Country Hills Water System	P	TX1330102	60	Automatic Meter Reader installation for water monitoring and leak detection.	C	\$20,000.00				
143	13	11704	Covington	M	TX1090021	660	Install new 50,000 gallon ground storage tank with yard piping and controls. The project will resolve a TCEQ Notice of Violation by reducing significant water loss and providing adequate pressure. The project will increase water pressure to over 35 PSI.	DC	\$200,000.00				
242	3	11369	Craft-Turney WSC	W	TX0370016	3,595	New well and treatment plant, ground storage tank, pressure tank, water lines, and asset management plan to address insufficient water supply, storage, pressure, and system looping.	PADC	\$2,002,560.00				
267	3	11368	Craft-Turney WSC	W	TX0370016	3,595	Install new automatic meter-reading system and develop asset management plan.	PDC	\$1,261,000.00		Yes-BC	\$968,000.00	
286	1	11705	Cranfills Gap	M	TX0180013	356	Replace broken and/or malfunctioning water meters within the CCN to prevent water loss and to ensure the safety and well being of customers. This will also result in water efficiency. The City intends to prepare their Asset Management plan with assistance from TCEQ's Financial, Managerial, & Technical contractor.	DC	\$164,600.00		Yes-BC	\$164,600.00	
205	10	11370	Crockett	M	TX1130001	10,764	Proposed project will construct a new high service pump station, ground storage tank and elevated tank.	PADC	\$2,800,000.00	30%			
184	10	11330	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													
269	3	11331	Crystal City	M	TX2540001	7,258	Proposed project consists of Water Facilities Planning in an effort to obtain quantifiable information on existing water loss in an effort to develop a comprehensive and systematic approach in generating a Capital Improvements plan for water loss reduction. Proposed planning endeavors include engineering and topographic surveys of the system, water and energy audits, leak detection study, hydraulic analysis and water use efficiency baseline study. City is currently in queue with TCEQ for FMT.	P	\$231,821.20		Yes-BC	\$226,720.00	
289	1	11373	Cushing	M	TX1740001	712	New 100,000 gallon elevated storage tank and pump station are needed to replace aging infrastructure that is in poor condition. An asset management plan will also be designed and implemented to coordinate future infrastructure needs.	PADC	\$1,341,430.00		Yes-BC	\$300,000.00	
243	3	11377	D & M WSC	W	TX1740010	4,752	Install new well, high service pump station, a pressure tank, and ground storage tank to alleviate insufficient water and storage capacity. This project will also design and implement an Asset Management Plan.	PDC	\$1,389,764.00				
244	3	11381	D & M WSC	W	TX1740010	4,752	Install new well and pumps, and rehabilitate the existing well and ground storage tank to alleviate insufficient water and storage capacity and low water pressure.	PDC	\$1,145,750.00		Yes-BC	\$50,000.00	
316	0	11707	Daingerfield	M	TX1720001	2,359	Replace current meters with radio read meters and install electronic computer programming to process in-house.	PDC	\$851,103.00		Yes-BC	\$731,150.00	
102	20	11393	Dario V. Guerra, III, dba Derby Ing.	W	TX0820016	87	Our proposal is to install a new chlorine system and replace water storage tank.	PDC	\$194,000.00	50%	Yes-BC	\$10,000.00	
154	13	11391	Del Rio	M	TX2330001	38,710	Replacement and rehabilitation of the distribution line.	PDC	\$60,444,222.00			\$4,602,697.00	
105	20	11385	Dell City	M	TX1150001	365	Install new Reverse Osmosis water treatment facility. Currently, Dell City has an osmotic system that is outdated and is no longer in use. Due to the age of the system, replacement parts are difficult to locate.	PADC	\$899,000.00	50%			
325	0	11708	Dilley	M	TX0820001	5,186	Install a new water well, treatment, ground storage, elevated storage, high service pumps, and pipelines to replace old well/pump and other deficiencies.	PADC	\$4,800,000.00				

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Public Water System													
42	50	11656	Donna	M	TX1080002	15,000	New raw water pre-treatment basin will allow existing WTP to provide raw water for treatment when the local irrigation district has problems with pumping/canals & would provide pre- settlement of water prior to treatment. City is currently adding an inordinate amount of chemicals to settle raw water, causing the water to become extremely corrosive, subsequently causing plant mechanism deterioration. City is already spending an inordinate amount of money replacing clarifier mechanisms.	C	\$3,175,000.00	30%			
72	26	11399	Donna	M	TX1080002	17,850	Our proposal is to increase treatment capacity to 6.0 MGD and construct new 15 acre Raw Water Reservoir.	PADC	\$13,105,000.00	50%			
52	41	11404	Dublin	M	TX0720001	4,207	The City of Dublin has identified 6 locations where there are leaking, uncased water lines crossing under the railroad tracks. This project includes replacing these 6 leaking water lines by boring under the railroad. The project also includes replacing other old, leaking water lines in the distribution system. The City's existing elevated storage tank is in need of repair, so it is proposed to rehabilitate the existing elevated tank. It is also proposed to construct a new 250,000 gallon elevated storage tank to provide additional elevated storage. To supplement the City's water supply, it is proposed to drill a new secondary supply well. It is also proposed to construct a pressure tank at an existing water well. Also, it is proposed to make improvements to the City's disinfection system.	PADC	\$5,420,000.00	30%	Yes-BC	\$1,626,000.00	
95	22	11406	Eagle Pass	M	TX1620001	52,624	Our proposal is to expand WTP capacity, resize distribution lines and rehab storage tanks.	DC	\$52,593,351.00	30%			
10	160	11332	East Rio Hondo WSC	W	TX0310096	26,825	ERHWSC will install a U/V disinfection system to obtain the 4-Log removal of cryptosporidium required by the TCEQ. ERHWSC will improve the restrictive section of waterline that connects the R/O WTP to the rest of the ERHWSC distribution system with a 16" PVC waterline to allow sufficient flow from the R/O WTP to the rest of the ERHWSC distribution system.	PADC	\$2,087,450.00	50%			

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Public Water System													
129	14	11666	East Rio Hondo WSC	W	TX0310096	18,996	New raw water pump station and transmission line to establish a new connection to an irrigation district. The new source is needed to replace the current source which is expected to run out in mid-2013. This project is needed to avert potential disaster due to ongoing extreme drought. Auto-read water meters with leak detection are also needed to replace current meters.	PADC	\$7,375,548.00	50%	Yes-CE	\$5,384,150.00	
152	13	11671	East Rio Hondo WSC	W	TX0310096	18,996	Emergency funds requested to establish another delivery source from the Rio Grande River. The Cameron County Irrigation District #6 has an existing canal/resaca that is approximately 1/2 mile west of the ERHWSC's largest WTP. Project will include a raw water pump station and a 30-inch transmission line to the existing plant.	PDC	\$1,897,745.00	50%			
172	11	11668	East Rio Hondo WSC	W	TX0310096	18,996	Installation of three 100 kW wind turbines and 45 solar power LED lights to offset the electrical demand for the water plants, and thirteen 1-kW hybrid green power sources to power the SCADA system and Automated Meter Reading (AMR) network. This system will increase the reliability and security of the water system.	PDC	\$7,273,968.00	50%	Yes-CE	\$7,220,101.00	
208	10	11670	East Rio Hondo WSC	W	TX0310096	18,996	Emergency funding to increase the flow of water between the east and west portions of the distribution system through installation of a new 16-inch PVC trunkline. ERHWSC is currently pursuing construction of a second well at the North Cameron Regional Water Plant to double current plant capacity. This new distribution trunkline would allow full utilization of that additional capacity.	PDC	\$1,069,288.00	50%			
108	20	11417	Eastland	M	TX0670002	3,960	Our proposal consists of installation of new water lines to eliminate leaks and reduce water loss.	PDC	\$1,019,000.00	30%	Yes-BC	\$918,900.00	

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Public Water System													
318	0	11665	Edcouch	M	TX1080003	2,878	Replacing the existing water meters with Automatic Meter Reading (AMR) technology, cutting many costs for the City. With the new meters the City will be able to quickly identify water line problems from the central metering program located at the corporation office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis. Planning of an asset management plan will take place as well.	PDC	\$633,106.00		Yes-CE	\$633,106.00	
55	37	11427	Eden	M	TX0480001	2,766	Construction of a desalination system to be installed at the City's new WTP. Replacement of multiple water lines throughout the City to reduce water losses. Complete required upgrades to the City's existing groundwater wells.	PDC	\$7,040,000.00		Yes-BC	\$3,865,000.00	
127	14	11663	Eden	M	TX0480001	2,807	Construction of a desalination system to be installed at the City's new water treatment plant. The City is in noncompliance of secondary standards for its groundwater supply, primarily for Total Dissolved Solids and chloride. Both concentrations in the City's groundwater violates the Maximum Contaminant Levels.	PADC	\$2,631,000.00		Yes-BC	\$326,795.00	
206	10	11429	El Campo	M	TX2410002	11,534	Our proposal consists of constructing an elevated water tower in northern part of the distribution system.	PADC	\$3,650,000.00				
282	2	11662	El Paso PSB	M	TX0710002	631,253	The proposed expansion will increase treatment capacity from 60 to 80 mgd allowing El Paso Water Utilities to divert and treat additional surface water from the Rio Grande Project when available (typically during the irrigation season). Optimizing their existing water rights increases the the utility's diversified water supply portfolio through expanded conjunctive management of various water supply sources.	ADC	\$98,623,609.00		Yes-BC	\$16,913,038.00	
121	15	11661	El Sauz WSC	W	TX2140028	1,110	The proposed project will provide first time water service to (3) Colonias with no existing water service. Approximately 400 families will be provided with first time water service and an additional 500 existing customers will also benefit from the proposed improvements. Improvements consist of the construction of two deep wells, one 150,000 gallon elevated storage tank, approximately 275,000 L.F. of 8" & 6" diameter PVC water mains and the adoption of an asset management plan.	PADC	\$8,979,000.00	70%			

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Public Water System													
186	10	11660	El Sauz WSC	W	TX2140028	1,110	The proposed project will involve replacing the existing water meters with automatic meter-reading technology, cutting many costs for the Corporation. With the new meters the Corporation will be able to quickly identify waterline problems from the central metering program located at the Corporation office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis.	DC	\$348,750.00	50%			
92	23	11433	Electra	M	TX2430002	2,956	Due to the prolonged drought and diminishing supplies throughout the state as well as the Cities of Iowa Park and Wichita Falls, Electra is proposing to rehabilitate their abandoned well field as well as rehabilitate their existing filtration water treatment plant equipment. A transmission line to transport this water to their purchased water storage tank for blending is also proposed.	PADC	\$2,340,000.00	30%			
106	20	11659	Elkhart	M	TX0010005	1,497	Install a new water well and pump to help alleviate insufficient water supply and low pressure. The project will also include plugging an abandoned/non-functioning water well.	PADC	\$3,679,200.00	50%			
330	0	11658	Elsa	M	TX1080005	6,000	Water treatment plant improvements, including chlorination, lagoon pumping/piping, and storage tank repair.	PDC	\$1,420,750.00		Yes-BC	\$47,000.00	
264	3	11435	Etoile WSC	W	TX1740011	1,301	Filter out organics reacting with chlorine to keep disinfection byproducts to a minimum and reduce the amount of water needed to waste (ABOUT 50%-70%).	PADC	\$3,127,505.00				
233	4	11641	Eules	M	TX2200031	51,200	The project will extend the existing City of Eules Reclaimed Water System, which currently serves a golf course and athletic fields. An expansion of the reclaimed water system will serve apartment complexes and developments along Bear Creek Parkway. Phase 1 of the expansion is currently under construction. This project would fund Phase 2 of the expansion.	PADC	\$3,198,000.00		Yes-CE	\$2,502,000.00	

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Public Water System													
227	5	11643	Evant	M	TX0500015	390	In order to address TCEQ Agreed Order and meet minimum TCEQ standards, the city must replace antiquated and leaking water distribution pipeline to eliminate severe water loss and lack of pressure. The City will install 560 LF of 6-inch and 1575 LF of 8-inch water pipeline.	DC	\$200,000.00		Yes-BC	\$200,000.00	
56	36	11644	Falcon Rural WSC	W	TX2140003	2,500	Install new water lines to eliminate leaks and reduce water loss.	PDC	\$2,040,000.00	30%	Yes-BC	\$2,040,000.00	
168	11	11645	Falcon Rural WSC	W	TX2140003	2,500	Replacing the existing water meters with Automatic Meter Reading (AMR) technology, cutting many costs for the corporation. With the new meters the corporation will be able to quickly identify waterline problems from the central metering program located at the corporation office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis. P of an asset management plan will take place as well.	DC	\$854,830.00	30%	Yes-CE	\$854,829.00	
239	3	11442	Fayetteville	M	TX0750001	442	This project includes installation of a new water well and development & adoption of an asset management plan.	DC	\$368,500.00				
257	3	11334	Fayetteville	M	TX0750001	258	Replace the existing 60,000 gallon ground storage tank with an 80,000 gallon ground storage tank.	DC	\$200,000.00				
148	13	11335	Flo Community WSC	W	TX1450015	4,739	12" & 8" Line upgrades to improve service from new Weedon well and plant.	C	\$459,200.00				
271	2	11336	Forsan	M	TX1140011	210	The City proposes to replacement the existing EST with a new up-to-date tank that is fully compliant with all regulatory requirements.	PDC	\$700,000.00				
31	67	11337	Fort Griffin SUD	D	TX2090005	2,740	Utilize the SUD's existing raw water allotment from the BRA construct a treatment plant and water lines for that purpose.	PADC	\$3,657,500.00		Yes-CE	\$500,000.00	
45	47	11339	Freeport	M	TX0200005	12,093	Extension of water services in the City of Freeport's ETJ from Surfside Village to Treasure Isle MUD. The City has recognized the demand for water needs in the City's ETJ. The project will consist of a water line extension and storage/booster stations as needed to maintain pressure.	PDC	\$9,000,000.00				

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Public Water System													
193	10	11646	George West	M	TX1490001	2,524	Replace undersized water lines to meet TCEQ regulations on the maximum number of connections allowed. Project also includes upgrades to the water treatment plant.	PDC	\$1,395,712.50	30%			
183	10	11719	Gordon	M	TX1820007	942	Installing a new microfilter at the existing water treatment plant, and replacing old and deteriorated water lines throughout the City which have caused numerous water leaks. The water treatment plant has exceeded 85% of production capacity and is required by TCEQ to add more production capacity, and significant water loss is due to deteriorated and leaking raw water lines and treated distribution water lines.	PDC	\$1,196,000.00		Yes-BC	\$359,000.00	
13	141	11648	Gorman	M	TX0670003	1,950	The City of Gorman is proposing to eliminate the old cast iron water line and replace it with PVC water lines. The City is also proposing to replace all of its service meters with new electronic read meters.	PADC	\$2,100,000.00	50%	Yes-BC	\$2,100,000.00	
181	10	11446	Graford	M	TX1820003	830	Replace existing old, deteriorated and leaking water lines.	PDC	\$430,000.00		Yes-BC	\$430,000.00	
61	32	11649	Graham	M	TX2520001	8,716	Plant expansion and rehabilitation to provide 10 MGD of capacity. Increase pumping capacity and plant storage capacity. Install transmission line & replace aging lines. These improvements will bring system into TCEQ compliance.	PDC	\$16,600,000.00		Yes-BC	\$1,500,000.00	
98	21	11454	Graham	M	TX2520001	15,115	Our proposal consists of the installation of an additional transmission line from plant to distribution system and replace aging lines.	PDC	\$2,303,000.00				
111	20	11450	Graham	M	TX2520001	17,756	Water transmission line from water treatment plant.	C	\$2,615,000.00				
207	10	11460	Graham	M	TX2520001	15,115	Our proposal is to increase plant storage capacity from 1 mg to 2 mg.	PDC	\$1,930,500.00				
133	13	11340	Granbury	M	TX1110001	10,507	The City is proposing to replace all 5,481 water meters with AMR meters to reduce unaccounted / unbilled water losses and replace a large percentage of meters that are over 10 years old. The City is requesting that the project be Pre-Design or PADC since it involves only meter replacement.	DC	\$2,691,000.00		Yes-CE	\$2,691,000.00	

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Public Water System													
128	14	11653	Grand Saline	M	TX2340003	3,028	Replacement of aged, deteriorated water lines and inoperable valves with a history of problems, and the development of an Asset Management Program.	PADC	\$2,172,000.00	30%	Yes-BC	\$695,500.00	
236	4	11655	Grand Saline	M	TX2340003	3,028	This project will reduce water loss by replacing old, malfunctioning water meters with new automatic meter reading system.	PDC	\$470,000.00		Yes-CE	\$470,000.00	
94	22	11457	Greater Texoma UA	D	TX0910006	38,690	Replacement of 3,500 lf of existing 12 inch water main on the west side of Texoma Highway.	PDC	\$400,978.00		Yes-BC	\$400,978.00	
213	10	11725	Greater Texoma UA	D	TX0910006	43,199	Project necessary to allow Sherman additional water storage to allow system maintenance.	PDC	\$3,471,883.00				
263	3	11477	Greater Texoma UA	D	TX0910008	1,045	Our proposal consists of construction of a water well, ground storage water tank, high service pumps, and transmission pipeline.	PADC	\$1,251,834.00				
272	2	11459	Greater Texoma UA	D	TX0910001	1,400	Our proposal consists of drilling a new 300 gpm "Paluxy" formation replacement well.	PADC	\$1,207,824.00				
274	2	11466	Greater Texoma UA	D	TX0490016	2,670	Drill a supplemental well.	PDC	\$1,188,265.00				
275	2	11467	Greater Texoma UA	D	TX0910009	3,046	Replacement of water lines.	PDC	\$1,080,685.00		Yes-BC	\$1,080,685.00	
279	2	11469	Greater Texoma UA	D	TX0910006	43,199	Our proposal is to expand and upgrade water treatment plant to address additional surface water supply with facilities to serve multiple customers.	PDC	\$26,069,878.00				
314	0	11464	Greater Texoma UA	D	TX0490016	1,906	Our proposal consists of replacing asbestos cement pipe with polyethylene pipe (2.2 miles).	PDC	\$11,418,091.00				
321	0	11473	Greater Texoma UA	D	TX0910009	3,046	Upgrade disinfection system.	PDC	\$156,479.00				
48	44	11482	Greenbelt MIWA	D	TX0650013	12,789	A wellfield, supplying up to 3 MGD, will be constructed on the North Ogallala Aquifer. This wellfield will be connected to the GMIWA treatment plant with a new, 16-inch pipeline approximately 15-miles long.	ADC	\$10,000,000.00	50%			

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Public Water System													
268	3	11489	Groesbeck	M	TX1470002	4,296	Acquire an off channel rock quarry to use as an additional water source. The City will construct a new pump station and pipeline in order to transmit the water from the quarry to Lake Groesbeck. Will also complete an asset management plan.	PADC	\$10,252,000.00				
123	15	11492	Groveton	M	TX2280001	1,578	Construct water well and transmission main to supplement the current water supply, which is seasonally inadequate for current demand, specifically during drought conditions.	PADC	\$2,195,000.00				
178	10	11494	Gustine	M	TX0470003	442	Replace ground storage tank.	PDC	\$257,000.00	30%			
308	0	11498	Gustine	M	TX0470003	442	Rehabilitate existing 30,000 gallon storage tank.	PDC	\$142,000.00		Yes-BC	\$142,000.00	
71	26	11501	Harris Co FWSD # 1A	D	TX1010082	1,854	Replace distribution system in four phases and rehabilitate elevated storage tanks (EST). The entire distribution system is original, exceeding 50 years in age. A significant amount of the distribution system is steel petroleum industry pipe that was provided by area refineries. The line sizes do not meet the current state criteria and do not offer fire protection in most areas of the district. Both EST's have been cited by the TCEQ for Notice of Violations for the maintenance issues requiring significant repair and recoating.	PDC	\$7,107,360.00	70%	Yes-BC	\$5,685,888.00	
219	6	11487	Harris Co FWSD # 47	D	TX1010260	2,434	Replace old waterline with Class 150 C-900 PVC utilizing the most cost efficient construction method considering open-trench replacement and horizontal directional drilling. Installing a automatic water metering system will also help the District identify leaks more readily, increasing water efficiency.	PDC	\$5,581,670.00		Yes-BC	\$5,581,670.00	
147	13	11504	Harris Co MUD # 50	D	TX1010719	3,594	This project proposes to complete a detailed inspection of the Crosby-Lynchburg water plant as well as design and construct improvements to the Crosby-Lynchburg water plant, the St. Charles water plant, and increase the distribution system line size in two locations.	DC	\$3,484,033.00	30%			
195	10	11493	Harris Co MUD # 50	D	TX1010719	3,361	Design and construct a treated surface water line from Baytown Area Water Authority to the District, and related system improvements.	DC	\$8,470,693.00	50%			

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Public Water System													
232	4	11508	Harris Co MUD # 148	D	TX1010938	3,141	Replacement of aged, deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PDC	\$805,000.00		Yes-BC	\$966,000.00	
126	14	11509	Harris Co WCID # 36	D	TX1010239	12,432	Replacement of aged, deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PDC	\$5,000,000.00	30%	Yes-BC	\$876,200.00	
331	0	11514	Harris Co WCID # 89	D	TX1012370	6,666	The proposed project includes removal and replacement of the existing ground storage tank, rehabilitation of on-site hydropneumatic tanks, modifications and improvements to existing booster pump building, and rehabilitation of yard piping.	DC	\$1,130,000.00				
323	0	11517	Haskell	M	TX1040001	3,141	Three public water supply wells and a transmission line will be constructed to blend well water with the purchased water from NCTMWA.	PADC	\$1,400,000.00				
138	13	11496	Hazy Hills WSC	P	TX2270091	219	Drill a new well to meet TCEQ pumping capacity requirements.	C	\$105,000.00				
160	11	11518	Hico	M	TX0970002	1,379	Replacement of waterlines, deteriorated ground storage tank and aging water meters to address low water pressure issues.	PDC	\$3,031,785.00	50%	Yes-BC	\$3,100,000.00	
324	0	11521	High Point WSC	W	TX1290016	4,000	The project consists of construction of a 750,000 gallon concrete storage tank at each site, and re-arranging the piping inside the pump buildings so that the pumps can be accessed for maintenance. Existing storage tanks will be demolished and removed. Piping on each site will be adjusted to account for the new storage tanks.	DC	\$2,984,000.00				
151	13	11500	Hondo	M	TX1630002	11,165	Our proposal is to replace/rehab two elevated storage tanks; rehab one ground storage tank and remove one ground storage tank.	PDC	\$4,525,000.00				
220	6	11532	Houston	M	TX1010013	2,099,000	Install automatic meter reading devices to lower personnel and fuel costs and emissions.	C	\$715,000.00		Yes-BC	\$715,000.00	
221	6	11533	Houston	M	TX1010013	2,099,000	Replace water meters that have exceeded their useful life.	C	\$3,300,000.00		Yes-BC	\$3,300,000.00	

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Public Water System													
222	6	11534	Houston	M	TX1010013	2,099,000	Evaluate electrical systems & install redundant electrical power. Rehab or replace distribution pumps, motors, valves and piping at various facilities. Make improvements as necessary at Re-Pump Stations in order to provide efficient and reliable water service. Ground Water Facilities and Re-Pump Stations have electrical, pumping, and piping deficiencies, which are causing the system to be inefficient and unreliable.	C	\$8,800,000.00				
223	6	11536	Houston	M	TX1010013	2,099,000	Evaluate electrical systems & correct necessary deficiencies. Rehab or replace distribution pumps, motors, valves and piping at various facilities. Make improvements as necessary at Pump Stations in order to provide efficient and reliable water service. Pump Stations have electrical, pumping, and piping deficiencies, which are causing the system to be inefficient and unreliable.	C	\$5,500,000.00				
246	3	11538	Houston	M	TX1010013	2,099,000	Rehabilitate existing tanks, including replacement of cone roof, roof rafters, interior columns and supports with prefabricated aluminum dome roof structure. Install new appurtenances. Apply protective coating. Install new tank as necessary. Water storage tanks are in deteriorated condition.	C	\$8,800,000.00				
247	3	11541	Houston	M	TX1010013	2,099,000	Rehabilitate ground water wells. Ground water wells are experiencing decreased production capacity.	C	\$6,600,000.00				
248	3	11543	Houston	M	TX1010013	2,099,000	Drill a replacement ground water well within the same easement area. Ground water wells have reached the end of their useful life and are unable to be rehabilitated further.	C	\$8,250,000.00				
249	3	11545	Houston	M	TX1010013	2,099,000	Add thickened sludge holding tank for Plant 1 & 2. Install sludge collection system for surge basin. Separate Plant 1 & 2 thickened sludge flow from Plant 3 unthickened flow to increase sludge percentage into sludge dewatering facilities. Increase volume for surge basin backwash. Sludge thickening is inefficient and filtration operations are unreliable. Polymer dosage for dewatering process is high.	C	\$12,650,000.00				

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Public Water System													
250	3	11547	Houston	M	TX1010013	2,099,000	Install bulk storage tanks for lime, caustic, aluminum sulfate, powder activated carbon & ammonia. Rehab chemical feed system. Modify chemical loading & unloading areas. Chemical storage capacity is inadequate and unreliable at East Water Purification Plant No. 1.	C	\$9,735,000.00				
251	3	11550	Houston	M	TX1010013	2,099,000	Rehab or replace switchgears at East Water Purification Plant No. 3. Switchgears at East Water Purification Plant No. 3 are old and near failure. This is a critical component for the safe operation of the plant.	C	\$8,250,000.00				
285	1	11555	Jarrell	M	TX2460169	10	DWSRF funds will allow the City of Jarrell to purchase a water system.	PA	\$2,150,000.00				
156	12	11510	Jefferson	M	TX1580001	1,935	Replace water lines and create an asset management plan to address the aged and degraded system.	PDC	\$3,583,080.00	30%	Yes-BC	\$3,558,080.00	
157	12	11507	Jefferson	M	TX1580001	1,935	Rehabilitate 3 storage tanks, install a pressure tank, mixer, and generator. Create an asset management plan to address degrading storage, lack of elevated storage in 2nd pressure plane, and the lack of water changeover in the standpipe.	PDC	\$1,593,000.00	30%	Yes-BC	\$1,150,000.00	
38	54	11341	Joaquin	M	TX2100010	836	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	70%	Yes-CE	\$2,910,000.00	
231	4	11558	Johnson City	M	TX0160001	2,080	The proposed project for Johnson City involves constructing a waste water reuse system to provide irrigation water for the City's park and baseball field located in close proximity to the City's WWTP.	PDC	\$310,000.00		Yes-BC	\$225,000.00	
166	11	11345	Kellyville-Berea WSC	W	TX1580003	1,120	Construct new water well and associated infrastructure and develop asset management plan.	DC	\$580,300.00	30%			
179	10	11562	Kendleton	M	TX0790018	499	Water system line replacements, water line extensions to unserved areas and water meter replacement.	DC	\$1,039,900.00	30%	Yes-BC	\$30,000.00	
304	0	11565	Kenedy County	C	TX1310001	250	The project includes installation of meters and rehabilitation of an elevated storage tank.	PDC	\$719,593.48				

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Public Water System													
185	10	11566	Knox City	M	TX1380002	1,014	Three public water supply wells and a transmission line will be constructed to blend well water with the purchased water from NCTMWA.	PDC	\$1,251,100.25				
260	3	11512	Kosse	M	TX1470003	500	Drill two wells, construct a water plant, pressure/pumping facilities, and storage facilities, and distribution lines to remove dependency from WSC. The City purchases water from Tri-CountyWSC which contains arsenic.	PADC	\$2,476,000.00				
65	26	11348	La Feria	M	TX0310003	7,291	The proposed project consists of installing a total of five (5) Gridbee Potable Tank Mixers with Chlorine Boost Systems. This will help keep chlorine levels at a safe rate and reduce THM formations in the system.	PDC	\$111,800.00	30%			
115	16	11346	La Feria	M	TX0310003	7,291	The proposed project consists of installing a new 300,000 gallon elevated storage tank to replace the badly deteriorated existing elevated tank.	PDC	\$1,199,000.00	30%			
116	16	11351	La Feria	M	TX0310003	7,291	The proposed project consists of additional 10" waterline and flow meter with vault in order to re-route decant water back into the existing reservoir to re-use. Currently approximately 150,000 gallons a day of decant water is left to evaporate in ponds and could be recycled. At current water rates, this amounts to over 7,000 dollars a year of savings.	PDC	\$138,677.50	30%	Yes-CE	\$138,677.00	
117	16	11349	La Feria	M	TX0310003	7,291	The proposed project consists of adding a Variable Frequency Drive (VFD) to high service pump #2. This will increase the life expectancy of the motor and provide additional electricity savings of over \$800 dollars a month.	PDC	\$40,000.00	30%	Yes-BC	\$40,000.00	
332	0	11572	La Grulla	M	TX2140006	6,693	The proposed project will involve replacing the existing water meters with automatic meter-reading technology, cutting many costs for the City. With the new meters the City will be able to quickly identify waterline problems from the central metering program located at the city office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis.	PDC	\$1,578,259.00		Yes-CE	\$1,578,259.00	

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Public Water System													
196	10	11516	La Joya	M	TX1080213	3,944	Installation of 32,811 feet of 8" PVC pipe, an 8" gate valve, a 4" fire hydrant valve, and a 2" flush valve are needed to alleviate inadequate water pressure. Also an Advanced meter reading infrastructure (AMI) system with leak detection will be installed throughout the potable water distribution system.	PDC	\$3,102,413.50	30%	Yes-BC	\$988,848.00	
197	10	11523	La Joya	M	TX1080213	3,944	Expand water treatment plant to alleviate inadequate water treatment capacity, install a new SCADA system, and install green power infrastructure including two 100KW wind turbines and 11 solar LED lights. These units will provide cost savings and reduce the utility's carbon footprint. The SCADA system will combine health monitoring and automatic meter-reading equipment with advanced power systems monitoring, physical security, and network cyber security.	C	\$6,469,080.00	50%	Yes-BC	\$2,450,000.00	
37	55	11527	La Salle Landing WSC	W	TX1200008	93	Install Oxidation filter to concurrently remove iron and arsenic, install new main water line, install customer meters, install new service lines, install ground storage to allow backwash of filter, and create an asset management plan.	PDC	\$480,600.00				
188	10	11576	La Villa	M	TX1080023	1,500	The proposed project will include pump replacement and upgrades. A new elevated tank is included in the project.	PADC	\$4,838,269.00	50%	Yes-BC	\$312,000.00	
59	33	11579	Ladonia	M	TX0740004	1,008	Install new water distribution lines to address water loss of 30% associated with aging abestos-cement lines. Rehabilitate existing elevated storage tank and recoat to address excessive rusting.	PDC	\$2,362,100.00	50%			
22	82	11580	Lake Texoma VFW Post 7873	P	TX0910086	270	Radium removal from well water.	PADC	\$829,715.00				
173	10	11732	Lakeview Water Coop	P	TX0610232	40	Replace temporary emergency tank with permanent AWWA approved tank and start planning for distribution system replacement.	PDC	\$95,500.00				
281	2	11586	Laredo	M	TX2400001	199,715	This project will help to reduce the number of water line breaks; decrease the possibility of contamination of the water distribution system; reduce the amount of unaccounted water losses; lowers the amount of water used per capita per day; and decrease the peak and average flows of the water treatment plants.	C	\$5,465,000.00		Yes-BC	\$5,455,000.00	
342	0	11588	Laredo	M	TX2400001	199,715	24" waterline along IH-35.	C	\$3,356,418.00				
343	0	11591	Laredo	M	TX2400001	199,715	24" water transmission line along US-59.	C	\$2,958,079.00				

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Public Water System													
344	0	11594	Laredo	M	TX2400001	199,715	24" waterline west side of IH-35.	C	\$7,430,000.00				
75	25	11569	Lass Water Company	P	TX0910143	243	Replace well to address system deficiencies.	PC	\$89,000.00				
103	20	11530	Lass Water Company	P	TX1250033	111	Upgrade the water system including new chlorine system, well meter replacements and repairs, replace water storage tank and accessories, prepare monitoring plan, prepare drought contingency plan, and prepare plant operations manual. These improvements are needed to meet TCEQ regulations and correct chlorination deficiencies.	PDC	\$954,000.00	70%	Yes-BC	\$50,000.00	
122	15	11596	Lass Water Company	P	TX2200117	7,347	Replace well to resolve system deficiencies.	PC	\$89,000.00				
139	13	11597	Lass Water Company	P	TX2490049	315	Replace well to comply with TCEQ pressure, capacity, and contaminant rules.	PDC	\$954,000.00				
174	10	11556	Lass Water Company	P	TX1250033	95	Our proposal is to install needed well, ground storage tank and booster pump.	PC	\$195,000.00				
225	5	11372	Lass Water Company	P	TX1013143	27	Install pressure tank and replace well to resolve system deficiencies.	PC	\$54,000.00				
226	5	11559	Lass Water Company	P	TX1013097	27	Our proposal is to install water pressure tank and replace well.	PC	\$54,000.00				
254	3	11371	Lass Water Company	P	TX1160097	93	Install water pressure tank and replace well to resolve system deficiencies.	PC	\$120,000.00				
255	3	11542	Lass Water Company	P	TX0610016	110	Our project is to install a well, ground storage tank and booster pump.	PC	\$97,500.00				
256	3	11573	Lass Water Company	P	TX1011459	111	Our proposal is to install a needed pressure tank.	PC	\$23,000.00				
302	0	11599	Lass Water Company	P	TX1250039	120	Install ground storage tank and booster pump to resolve system deficiencies.	PDC	\$54,000.00				
303	0	11553	Lass Water Company	P	TX0610016	165	Our proposal is to install water meters.	C	\$26,400.00				
17	111	11601	Lawn	M	TX2210005	927	Abandon WTP and construct new treated water supply; build taller standpipe; replace old and deteriorated water lines.	PADC	\$4,889,400.00	70%			

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Public Water System													
12	143	11355	Leakey	M	TX1930002	1,050	Construct water well for Frio River Ranch Estates Colonia with a water transmission line from Frio River Ranch to the City of Leakey's water plant on Fourth Street, and return line to Frio River Ranch Estates Colonia.	ADC	\$385,000.00				
177	10	11717	Lee Co FWSD # 1	D	TX1440003	390	Construct a new ground storage tank to replace the existing standpipe including new pump station facilities.	PDC	\$725,000.00				
187	10	11356	Leroy-Tours-Gerald WSC	W	TX1550027	1,396	LTG WSC proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. LTG WSC is a member of FHLM WSC; an asset management plan would be developed for this water system.	PDC	\$710,000.00		Yes-BC		
335	0	11604	Liberty	M	TX1460003	9,729	Well field rehabilitation including possible replacement of well, distribution pumps, and ground storage tank. The only two functioning wells are overworked and showing signs of loss.	PDC	\$1,447,300.00				
336	0	11613	Liberty	M	TX1460003	9,729	Construct a 150,000 gallon elevated storage tank to remedy low water pressure in the Northeast service area.	PADC	\$1,275,600.00				
337	0	11614	Liberty	M	TX1460003	9,729	Construct new well, ground storage tank, and pumps to supplement existing malfunctioning well that produces low quality water.	PDC	\$2,345,200.00				
241	3	11382	Lilbert-Looneyville WSC	W	TX1740013	750	New well, 30,000 gal. GST, pressure tank, and asset management plan to increase water supply and pressure.	PADC	\$969,314.00		Yes-BC	\$175,000.00	
290	1	11375	Lilbert-Looneyville WSC	W	TX1740013	750	Install new water lines to replace deteriorating lines, line looping, and establish an asset management plan to address system deficiencies.	PADC	\$985,608.85				
291	1	11378	Lilbert-Looneyville WSC	W	TX1740013	750	Install 6-inch lines system-wide and an asset management plan to address system deficiencies & provide looping.	PADC	\$1,004,782.92				
90	23	11617	Linden	M	TX0340004	1,974	Construct a new well with a chlorination system and ground storage, construct a new 100,000 gallon elevated storage tank, construct water lines from Well No. 6 to the elevated storage tanks, update the supervisory control and data acquisition (SCADA) system at all well and storage locations, and rehabilitate two elevated and one ground storage tank.	PADC	\$281,954.00	30%			

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Public Water System													
20	85	11618	Live Oak Hills Subdivision	P	TX1540012	60	Install a radium removal system with plumbing and a building to house it.	C	\$100,000.00				
194	10	11621	Llano	M	TX1500001	3,232	The proposed project would provide an alternative source of groundwater from the Hickory aquifer (near the town of Valley Springs) to supplement the City's water needs, particularly during drought conditions when flow in the Llano River becomes drastically reduced.	PADC	\$10,868,500.00	50%			
182	10	11622	Lone Oak	M	TX1160006	900	Construction of new water plant and replacement of distribution lines.	PADC	\$1,500,000.00	50%	Yes-BC	\$150,000.00	
310	0	11359	Lone Pine WSC	W	TX0010021	870	Expand and upgrade the distribution system allowing additional capacity and service to new customers.	PDC	\$464,000.00				
311	0	11363	Lone Pine WSC	W	TX0010021	870	Our project consists of increasing production capacity allowing additional capacity and service to new customers.	PADC	\$953,000.00				
24	79	11360	Loop WSC	W	TX0830011	300	Our project consists of a proposed water treatment plant.	PDC	\$800,000.00				
132	13	11624	Los Fresnos	M	TX0310004	4,509	Expand Water Treatment Plant to 2.5 MGD - increase treatment, filtration, and pumping surface water to the public distribution system to address overall capacity. Replacement of 4" distribution lines to address low pressure. Replacement of existing fire hydrants to address water loss. Prepare an asset management plan.	PDC	\$12,177,885.00		Yes-Comb.	\$420,000.00	
328	0	11625	Los Fresnos	M	TX0310004	5,391	Replace stairs on existing filters. Provide waterline looping improvements.	PADC	\$320,075.00				
114	17	11392	Lyford	M	TX2450003	2,611	Our proposal is for installation of two ground water wells at the water treatment plant for a new water supply source, with construction of a 1.0 MGD reverse osmosis RO membrane treatment facility to treat the brackish ground water.	PADC	\$5,390,000.00	50%			
58	33	11389	M S WSC	W	TX1550037	684	M.S. WSC proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. M.S. WSC is a member of FHLM WSC; an asset management plan would be developed for this water system.	PDC	\$390,000.00		Yes-BC		

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Public Water System													
313	0	11364	Magnolia	M	TX1700020	1,547	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	\$5,896,500.00				
299	1	11394	Marshall	M	TX1020002	23,399	Our proposal consists of installation of an automatic meter reading and leak detection system.	PADC	\$6,243,636.60		Yes-BC	\$4,292,520.00	
300	1	11395	Marshall	M	TX1020002	23,399	Our proposal consists of an extension of an 8-inch PVC water line to provide looping and address delivery deficiencies. Also to implement an asset management plan.	PADC	\$2,756,207.25				
131	13	11490	Mart	M	TX1550005	2,340	The City of Mart proposed to construct a pier to extend the existing intake structure (approx. 100-ft) in New Lake Mart along with upgrading the pump station to allow the City to draw water from less accessible portions of the lake during the drought.	PDC	\$500,000.00	30%			
261	3	11499	Matador	M	TX1730001	740	Replacement of deteriorated water transmission and distribution lines.	PDC	\$730,000.00		Yes-BC	\$500,000.00	
201	10	11503	Mathis	M	TX2050003	5,769	Replace two-inch water lines with looped eight-inch lines. The system currently exceeds the TCEQ standards for number of connections allowed on the two-inch lines resulting in low pressure for customers.	PDC	\$1,385,834.00	30%			
202	10	11506	Mathis	M	TX2050003	5,769	System improvements include replacing valves and chemical feed pumps, rehabilitating clarifiers and raw water piping, and filling in lagoons.	PDC	\$1,783,345.00	30%			
327	0	11511	Maxwell WSC	W	TX0280003	5,245	Replace old water meters with new Automatic Meter Reading (AMR) system and purchase leak detection equipment. The system is currently experiencing high water loss.	C	\$410,000.00		Yes-CE	\$410,000.00	
224	5	11206	McAllen	M	TX1080006	141,060	Produce 6 MGD water source using geothermal energy/pressure to provide an alternative water source.	PADC	\$16,430,000.00		Yes-Comb.	\$16,430,000.00	
9	165	11396	Menard	M	TX1640001	1,562	Our proposal consists of a new WTP, new wells and well rehabilitation.	PDC	\$5,865,000.00	50%	Yes-BC	\$225,000.00	

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Public Water System													
322	0	11515	Merkel	M	TX2210002	3,098	Construct a new 250,000 gallon elevated tank and demolish the old tank that currently has several TCEQ violations:290.43 (c)(B)-deterioration of interior and exterior coating; 290.43 (c)(2) inadequate diameter for roof hatch; 290.43 (c)(3)- Overflow pipe does not extend to the ground.	PDC	\$1,000,000.00				
54	37	11365	Mertzon	M	TX1180002	736	The proposed project will include the upgrade of an existing irrigation well to municipal standards to supplement the City's existing wells, and the construction of a radionuclide reduction treatment system.	PDC	\$1,202,000.00		Yes-BC	\$770,000.00	
120	16	11519	Mexia	M	TX1470004	6,790	Replacement of deteriorated water meters.	PDC	\$1,880,000.00	30%	Yes-CE	\$1,880,000.00	
338	0	11520	Midland County UD	D		16,834	The proposed project will create a utility district for the County of Midland, southeast of the City of Midland. The Midland County Utility District will provide first time adequate water services to residents in this area.	PDC	\$126,855,668.00				
258	3	11522	Midway	M	TX1570003	300	Construct and install filters.	PDC	\$297,000.00				
262	3	11376	Midway ISD	D	TX0390020	981	Midway ISD will replace their water tank, renovated the main pump station and drill another well to increase water production. The main water lines will also be replaced as well as necessary connections, valves and service reconnections.	DC	\$200,540.00				
1	607	11418	Millersview-Doole WSC	W	TX0480015	3,579	Our proposal consists of treating well water at the source and blending with surface water.	PDC	\$578,000.00				
46	45	11380	Moore WSC	W	TX1550127	246	Moore Water System proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. An asset management plan would be developed for this water system.	PDC	\$245,000.00		Yes-BC		
240	3	11524	Moore WSC	W	TX0820012	717	The Moore WSC proposes to conduct a leak detection study to identify any major leaks, an elevated storage tank to provide proper pressures to all residents, automatic meter readers, and replacement of small lines in order to provide additional services.	PDC	\$2,123,345.00		Yes-BC	\$160,800.00	

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Public Water System													
296	1	11421	Morgan's Point Resort	M	TX0140116	4,400	In our proposal, we plan to construct a new water supply municipal well field system. The project will also include the construction of the associated ground storage tanks, water pump station, disinfection/treatment and water main installation as required to connect to the existing distribution system. This project will also include the preparation of an asset management plan.	PDC	\$1,365,000.00		Yes-BC	\$200,000.00	
81	23	11384	Morton Valley WSC	W	TX0670018	583	Our project will replace water lines, new water lines to loop distribution system, replace water meters with AMR meters, rehab Ranger Pump Station including addition of ground storage tank, new hydropneumatic pump station and ground storage tank.	PADC	\$4,000,000.00		Yes-Comb.	\$2,880,000.00	
165	11	11386	Mount Calm	M	TX1090005	324	The City of Mount Calm proposes to rehab their existing well and/or possibly drill a new groundwater well. Mount Calm is a member of FHLM WSC; an asset management plan would be developed for this water system.	PDC	\$650,000.00				
305	0	11425	Mount Calm	M	TX1090005	320	Due to the fact the well needing repair is the only water source for the city. Our proposal is to construct a new well of equal depth and size to replace the existing city well. This will eliminate electrical issues and repair costs, and maintain well production during construction.	DC	\$1,937,500.00				
312	0	11526	Munday	M	TX1380003	1,252	A public water supply well and a transmission line will be constructed to blend well water with the purchased water from NCTMWA.	PADC	\$460,000.00				
145	13	11434	New Deal	M	TX1520015	794	Our proposal is to replace line with new 8-inch piping, and install a new 138,000 gallon standpipe (storage tank). The existing asbestos cement pipeline has deteriorated and the leaking line has become a health issue. This will also correct low water pressure in the southwest section of the City.	DC	\$996,830.00		Yes-BC	\$692,000.00	
140	13	11438	New Ulm WSC	W	TX0080014	355	This project includes the construction of a new ground storage tank, a new pressure tank, booster pumps, and the replacement of 2500 feet of asbestos distribution line.	DC	\$471,965.00	70%			
217	7	11529	North Alamo WSC	W	TX1080029	155,704	Construction of a deep water well that can supply up to 1 million gallons per day is needed to supplement our dwindling supply of water due to growth and drought conditions.	PADC	\$1,320,575.00				

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Public Water System													
228	5	11531	North Alamo WSC	W	TX1080029	155,704	Replacement and upgrades to existing water main to address water and pressure losses and to improve water distribution efficiency. Install a new 250,000 gallons elevated storage tank, and connect existing residential and commercial water services to new water main distribution lines.	PADC	\$3,954,500.00		Yes-BC	\$2,886,800.00	
229	5	11535	North Alamo WSC	W	TX1080029	155,704	Construction of a new 1 million gallon elevated storage tank is needed to meet TCEQ capacity requirements.	PADC	\$3,059,360.00				
270	3	11537	North Alamo WSC	W	TX1080029	155,704	Emergency project to provide water through new distribution lines to the towns of San Perlita, La Sara, Port Mansfield and the areas surrounding Raymondville which currently have pressure deficiencies. This will also alleviate water pressure issues currently experienced by these systems.	PADC	\$793,944.00				
4	343	11390	North Central Texas MWA	D	TX1380009	10,167	Our proposal is to construct a nitrate removal water treatment plant, drill additional wells and construct supply line from wells.	PADC	\$7,500,000.00	30%			
25	77	11540	North Runnels Co WSC	W	TX2000005	1,500	Install pump station, transmission, and distribution lines for purchased water from Bronte to reduce THM levels. Also, provide public water to 200 households around Oak Creek Reservoir.	PADC	\$6,000,000.00				
266	3	11398	North Runnels Co WSC	W	TX2000005	2,256	Our proposal consists of replacing meters with AMR system.	PDC	\$500,000.00		Yes-CE	\$460,000.00	
82	23	11400	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the east portion of the District's service area. Broken water lines in the service area caused disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
83	23	11405	Nueces Co WCID # 5	D	TX1780010	810	The project consists of looping existing waterlines to eliminate dead ends. The district's water distribution system has many dead end lines that jeopardize the water quality for its residents. Looping these waterlines will create better water circulation and eliminate stagnant water in the lines. The project will also include the installation of new flush valves for waterlines that cannot be looped within the existing system.	PDC	\$200,000.00	50%			

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Public Water System													
84	23	11407	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the west portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
85	23	11408	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the south portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
86	23	11409	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the north portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
87	23	11411	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the installation of water meters in the service area, purchase of leak detection equipment and instrumentation, and preparation of an asset management plan. The leak detection equipment will assist the District during the asset management planning process and conditions assessment.	PDC	\$200,000.00	50%			
40	51	11401	Nueces County	C	TX1780050	138	Nueces County proposes to replace distribution lines throughout Cyndie Park II (served by CP2WSC) as well as construct additional new lines to connect Cyndie Park I residents. Nueces County will then construct upgrades to an existing water system (Nueces Water Supply, 4 miles away) and connect CP I and CP II to the new system.	AC	\$1,153,000.00		Yes-BC	\$50,000.00	
306	0	11412	Oakmont Saddle Mountain WSC	W	TX1930015	324	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 #4 was issued by TCEQ letter dated October 24, 2014	C	\$300,000.00				

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Public Water System													
333	0	11440	Olimto WSC	W	TX0310026	7,000	Our proposal consists of constructing a new 300,000 elevated storage tank.	PADC	\$2,159,000.00				
74	25	11414	Olsen Estates WS	W	TX0360065	162	For the Arsenic, we plan to install a treatment system or obtain a new well as recommended by an engineering firm. Upgrade the water plant to include additional well, storage and pump capacities. Also provide backup generator as required by TCEQ.	PADC	\$205,800.00				
35	59	11544	Opdyke West	M	TX1100030	169	Filtration system to remove arsenic and fluoride.	PDC	\$200,000.00				
298	1	11546	Orangefield WSC	W	TX1810186	6,172	The project would provide critical first time water service to approximately 500 low to moderate income families living within the area. This project also includes the preparation of an asset management plan. This project will alleviate the hazards faced by poorly designed water wells & septic tanks.	PDC	\$5,930,000.00				
97	21	11444	Paducah	M	TX0510001	1,186	The proposed project will include the installation of new water lines to eliminate leaks and reduce water loss.	PDC	\$2,388,000.00	30%	Yes-BC	\$2,309,000.00	
21	85	11548	Paint Rock	M	TX0480012	280	Construct a new microfiltration water treatment plant to replace the current antiquated plant that has a failing roof, an inadequate electrical system, and a building that is in disrepair.	PDC	\$1,700,000.00	70%			
307	0	11447	Palo Pinto WSC	W	TX1820004	347	The proposal consists of replacing existing distribution lines which cause significant water loss and water outages.	PDC	\$1,519,000.00		Yes-BC	\$1,469,000.00	
259	3	11449	Parker County SUD	D	TX1840025	370	This proposal is for material costs for 0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PADC	\$250,000.00		Yes-BC	\$250,000.00	
29	70	11549	Plains	M	TX2510002	1,481	Provide precipitation treatment and activated alumina treatment to lower arsenic and fluoride levels.	D	\$250,000.00				
146	13	11551	Point	M	TX1900004	1,908	Replace the system meters with AMR smart meters to improve detection of water loss.	PDC	\$429,700.00		Yes-CE	\$429,700.00	
130	14	11554	Port Arthur	M	TX1230009	57,755	Replace water lines to reduce leaks and increase pressure.	DC	\$11,176,236.00		Yes-BC	\$7,894,476.00	

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Public Water System													
57	35	11564	Poteet	M	TX0070005	3,206	Establish the interconnections with storage and pumps with Benton City WSC and McCoy WSC to serve as back up source for the city; update to AMR meter system to replace aging meters and improve the city's ability to closely monitor water loss and leaks; and replace cast iron and asbestos/concrete service mains that leak often & reduce the amount of water rust concerns.	PADC	\$5,400,000.00	30%	Yes-BC	\$300,000.00	
288	1	11416	Pure WSC	W	TX1550039	707	Pure WSC proposes to rehab their existing well and/or possibly drill a new groundwater well. Pure WSC is a member of FHLM WSC. An asset management plan would be developed for this water system.	PDC	\$650,000.00				
190	10	11453	Quitman	M	TX2500003	1,809	Our proposal consists of replacing existing treatment equipment and install additional treated water line from the water treatment plant.	PADC	\$10,200,203.00	50%	Yes-BC	\$105,000.00	
89	23	11424	R M S WSC	W	TX1550136	960	R.M.S. WSC proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. R.M.S. WSC is a member of FHLM WSC. An asset management plan would be developed for this water system.	PDC	\$820,000.00		Yes-BC		
192	10	11567	Ralls	M	TX0540003	2,250	Install/retrofit existing meters with automatic readers, as well as replace problematic (leaking) distribution lines.	PDC	\$586,396.00	30%	Yes-Comb.	\$586,396.00	
176	10	11571	Ralston Acres WSC	W	TX1010196	330	Update system and move mains from private backyards to the public streets.	PADC	\$1,490,000.00	70%	Yes-Comb.	\$925,000.00	
230	5	11419	Raywood WSC	W	TX1460006	1,455	Our proposal consists of a new water well, new ground storage tank, new yard piping, electrical and generator and new automatic read meters.	PDC	\$2,039,762.00		Yes-CE	\$135,000.00	
41	51	11574	Riesel	M	TX1550040	1,242	Arsenic Treatment.	PDC	\$1,222,500.00				
110	20	11479	Rio Grande City	M	TX2140018	17,045	Our proposal consists of constructing a new 1.5 MG elevated storage tank to provide capacity and improve area distribution pressures. Also to rehab the two existing storage tanks as to provide the needed maintenance and bring the tanks into compliance with TCEQ.	PADC	\$3,500,000.00	30%			

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Public Water System													
153	13	11577	Rio Grande City	M	TX2140018	19,731	Replace existing broken/malfunctioning water meters with 100% lead-free smart meters with built in leak detection. Install AMR system.	DC	\$3,558,630.00	30%	Yes-CE	\$3,558,330.00	
209	10	11687	Rio Grande City	M	TX2140018	25,023	Construct a new .5 MG elevated storage tank to add additional storage capacity to the system and replace the existing eroded tank.	PDC	\$1,619,640.00				
47	45	11578	Rio Hondo	M	TX0310006	2,356	Rehabilitation of the treatment plant, replacement of distribution lines, replacement of meters, and new pumping system.	PDC	\$3,350,664.80	70%	Yes-Comb.	\$5,309,758.00	
100	21	11420	Rio WSC	W	TX2140016	3,900	The proposed project calls for the upgrade of existing lines that are old and small for the amount of customers serviced now and in the future. A new storage elevated storage tank will also help alleviate the pressure inefficiencies.	PADC	\$430,000.00	30%			
161	11	11581	Rio WSC	W	TX2140016	3,900	The proposed project will involve replacing the existing water meters with AMR water meter technology, cutting many costs for the corporation. With the new meters the corporation will be able to quickly identify waterline problems from the central metering program located at the City office. All monthly readings will be taken from the central programming center, therefore cutting the need to send out meter readers on a daily basis.	PDC	\$938,851.51	30%	Yes-CE	\$938,851.00	
88	23	11582	Rising Star	M	TX0670005	834	Replace 7,000 feet of asbestos cement and ductile iron pipe with C-900 PVC water main. The asbestos concrete (AC) pipe for the main distribution line has become so brittle it is very hard to repair. Frequent leaks in this line have caused pressure losses in the system. There is ductile iron pipe mixed with AC pipe at several points in the system. The ductile iron pipe has become so rusted that debris from the pipes travel through the system into the houses.	PDC	\$1,383,000.00	30%			
3	359	11484	Robert Lee	M	TX0410002	1,370	Our proposal consists of constructing a new well field, build line to neighboring community, upgrade existing WTP, reconstruct reservoir intakes, install automatic meter reading equipment and prepare an asset management plan.	PADC	\$11,055,400.00	70%	Yes-BC	\$225,000.00	

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Public Water System													
73	26	11583	Rockdale	M	TX1660002	5,439	Construct/improve the Mill Street Central Treatment Facility to meet higher demand and to increase water pressure throughout system. Also, implement an asset management plan.	PDC	\$3,060,000.00	30%			
113	18	11426	Rolling Hills WS	W	TX1110032	264	The proposed project includes the replacement of the existing storage, pumping and distribution facilities and groundwater treatment via MF/RO for high concentrations of TDS, chlorides, bromides and iron. The project will also include the preparation of an asset management plan and WCP/DCP.	PDC	\$2,047,000.00		Yes-Comb.	\$500,000.00	
99	21	11491	Roma	M	TX2140007	19,170	Our proposal consists of constructing a new regional treatment facility and regional transmission system. It will be designed to be expanded to support multiple utilities in and around Starr County.	PAD	\$4,121,000.00	30%			
167	11	11495	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.	DC	\$476,600.00	50%	Yes-BC	\$476,600.00	
60	33	11502	Rotan	M	TX0760002	2,763	Our proposal is to install 14 miles of new 12-inch PVC water line to replace existing and ground storage tank.	PDC	\$4,200,000.00	30%	Yes-BC	\$2,840,000.00	
252	3	11584	Royal Oaks Apartments	P	TX0860080	45	Connection with the City of Fredericksburg, which is one mile away, to address nitrate issue.	PADC	\$45,500.00				
265	3	11505	Royalwood MUD	D	TX1010201	1,982	Replace old ground storage tanks with new tanks (same capacity). Upgrade motor control centers at both water plants to ensure pumps continue to operate without interruption for lack of compatible parts. Upgrade control build-ins to prevent degradation of new controls. Replace old chlorinator and chlorine buildings. Install generators at both water plants to ensure continuous operation under power failure without having to open emergency interconnect. Upgrade access to site for emergencies.	PDC	\$1,461,850.00		Yes-BC	\$375,695.00	

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Public Water System													
297	1	11263	Rusk	M	TX0370003	5,409	Install 16,250 LF of 10" water line, 18 Fire Hydrants, 6 Air Release Valves, 7 Gate Valves, and 3 Road Bores to address insufficient line sizing and design. Implement an Asset Management Plan to coordinate future infrastructure needs.	PADC	\$775,906.00				
96	22	11428	San Angelo	M	TX2260001	94,812	The City proposes to implement a direct potable reuse project that can produce a new raw water supply consisting of advanced treated recycled water, in order to produce up to 50% of the City's daily raw water demands.	PDC	\$150,000,000.00		Yes-Comb.	\$150,000,000.00	
345	0	11585	San Antonio Water System	M	TX0150018	1,596,714	Replacement of approximately 60,000 l.f. of 6-inch to 12-inch water main.	C	\$3,490,199.00		Yes-BC	\$3,490,199.00	
346	0	11430	San Antonio Water System	M	TX0150018	1,659,593	Our proposal consists of drilling new wells to increase production capacity. Phase 1 will drill two new wells.	C	\$7,003,500.00				
347	0	11677	San Antonio Water System	M	TX0150018	1,659,593	This project includes the replacement of electrical switchgear, replace the chlorine gas system with on-site sodium hypochlorite generation system, upgrade the fluoridation equipment, and replace valves and yard piping.	DC	\$13,960,730.00				
210	10	11587	San Benito	M	TX0310007	26,000	Water System Improvements.	ADC	\$5,090,412.00	30%			
329	0	11590	San Diego MUD # 1	D	TX0660003	5,600	Replace water lines with PVC C-900 pipe.	PDC	\$1,010,996.88				
211	10	11593	San Juan	M	TX1080010	30,000	Rehabilitate and upgrade existing plant to current standards.	PDC	\$3,435,000.00	30%			
212	10	11680	San Juan	M	TX1080010	34,872	Elevate pre-treatment basin bottom to higher level to bring the basin bottom out of the existing ground water level and replace existing synthetic liner with an earthen type constructed liner. Mixture of ground and surface water is causing disinfection and treatment difficulties.	PADC	\$6,585,000.00	30%			
64	29	11598	San Marcos	M	TX1050001	59,555	Expand the City's reclaimed water system to provide irrigation in City parks, as well as provide chill plant make-up water and irrigation of athletic fields at Texas State University. The project will reduce withdrawals from the Edwards aquifer and the San Marcos River by replacing potable water used for the same purposes.	PDC	\$22,068,828.00	50%	Yes-CE	\$22,068,800.00	

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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													
32	65	11603	San Saba	M	TX2060001	2,637	New 6" and 8" water mains are proposed to replace the dilapidated lines. Multiple existing 6" and 8" water mains located throughout the city need replacement. These lines are composed of cast iron which is over 70 years old. The lines are badly deteriorated causing frequent leakage and line breaks.	PDC	\$2,000,000.00	30%	Yes-BC	\$295,379.00	
315	0	11431	Santo SUD	D	TX1820010	2,024	Our proposal consists of making an interconnect with Parker Co SUD to obtain treated water.	PADC	\$778,000.00				
30	69	11606	Seymour	M	TX0120001	2,900	Construct additional water supply system from Miller Creek Reservoir water plant to correct insufficient supply, and construct evaporation ponds for reverse osmosis brine to reduce selenium discharge from plant.	PADC	\$6,158,000.00	30%			
203	10	11432	Seymour	M	TX0120001	6,522	The City of Seymour proposes to install a high recovery recycle system on the concentrate and build an evaporation pond.	PDC	\$1,999,000.00	30%	Yes-CE	\$2,000,000.00	
189	10	11612	Siesta Shores WCID	D	TX2530004	1,700	Propose to repair all rust spots of standpipe and sandblast interior, coat and paint both interior and exterior. Upgrade any deficient regulations. Propose to replace ground storage tank with new tank next to existing one at plant and demolish old tank that has deteriorated. Includes bypass piping.	PDC	\$500,000.00	30%			
33	64	11682	Smyer	M	TX1100010	480	Our project includes installing a fluoride water treatment system, a new water well, a water line from the new well, and re-coating the ground storage tank. Locating and installing a new water well with associated disinfection system and transmission line; Preparing the 100,000 gallon water storage tank and recoating the storage tank; Providing and installing a water treatment system to reduce the Fluoride levels in the water to below the MCL; Provide and install backup power connections to two water wells and the water pump station.	PADC	\$310,000.00				

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Public Water System													
66	26	11616	Snyder	M	TX2080001	10,567	The proposed project is to drill a brackish well near Snyder and construct a 1.0 MGD desalination plant with injection wells. The City of Snyder provides water to numerous systems in the area, as well as the citizens of the City of Snyder. The City purchases water from CRMWD and receives water from Lakes Thomas and Ivy, which are both currently extremely low. As a regional water supplier the City is looking to increase supply. The groundwater in the Snyder area is brackish.	PADC	\$7,820,000.00				
67	26	11619	Snyder	M	TX2080001	10,567	The proposed project consists of 10 water wells in northern Mitchell County. The City of Snyder provides water to numerous systems in the area as well as the citizens of the City of Snyder. The City purchases water from CRMWD and receives water from Lakes Thomas and Ivy, which are both currently extremely low. As a regional water supplier the City is looking to increase supply. The groundwater in the Snyder area is brackish.	PADC	\$11,100,000.00				
273	2	11620	Springtown	M	TX1840003	2,650	Project includes the following: relocate the backwash recycle point ahead of the pretreatment bypass connection and polymer injection; optimize the Trident Filtration System; install isolation valves on the recycle pump station on the influent lines at the backwash ponds; install a decant weir and pump station at the sludge holding pond; install a sludge dewatering device to remove settled solids; install a solids transfer pump station; miscellaneous improvements to the chlorination system; and miscellaneous yard piping associated with the new sludge dewater system, transfer pumps, and chemical feed system.	PDC	\$2,188,551.00				
70	26	11552	Spur	M	TX0630012	1,275	Replace old, dilapidated distribution system piping and valves to reduce line breaks and increase pressure. The system has documented problems with low water pressure and line breaks.	PDC	\$2,078,000.00	30%	Yes-BC	\$2,078,000.00	

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Public Water System													
8	181	11437	Stamford	M	TX1270003	3,071	The proposed project will include the construction of a new groundwater well system, groundwater treatment system and installation of new raw and finished water lines to eliminate leaks and reduce water loss. The project will also include replacement of the existing raw water pumps. Refer to Section III.	PDC	\$18,996,000.00	50%	Yes-BC	\$10,245,000.00	
79	23	11560	Stamford	M	TX1270003	3,636	The proposed project will include the installation of new finished water and raw water lines to eliminate leaks and reduce water loss. The project will also include replacement of the existing raw water pumps.	PDC	\$12,812,000.00	50%	Yes-BC	\$12,812,000.00	
34	63	11684	Strawn	M	TX1820005	487	Our proposal is to drill new wells in the Trinity Aquifer and install transmission lines as part of a regional supply solution.	PADC	\$2,345,000.00	30%			
180	10	11563	Strawn	M	TX1820005	632	Emergency project to abandon the old existing WTP and connect to the City of Ranger's water supply.	PADC	\$1,580,000.00		Yes-BC	\$1,580,000.00	
142	13	11570	Study Butte WSC	W	TX0220035	624	Replace water lines, install pressure reducing outages, inadequate chemical storage facilities valves, install well servicing rig to reduce and inadequate housing for plant equipment. Install chemical storage facilities and building upgrades to address system deficiencies, in downtime.	PDC	\$1,256,000.00		Yes-BC	\$1,256,000.00	
137	13	11673	Swea Gardens Estates Water Utility	P	TX1010218	117	Install an interconnect with the City of Houston to provide treated purchase water directed into the distribution system pressured by the water provider.	PADC	\$241,494.50				
135	13	11686	Sweetwater	M	TX1770002	12,091	The City will upgrade the membranes at the City's water treatment plant because they are currently not compliant with the new LT2 DIT regulations. Construction of a new elevated storage tank is needed to improve system pressure and volume because the City has difficulty in maintaining equal pressure and volume throughout its distribution system.	PDC	\$8,433,000.00	50%			
295	1	11693	Swift WSC	W	TX1740019	2,490	Our proposal is to install approximately 21,000 linear feet of new 6" PVC lines to replace aging and decaying asbestos cement pipe within system and prepare an asset management plan to coordinate future infrastructure needs.	PDC	\$594,976.73				
11	150	11694	Tahoka	M	TX1530002	2,673	Our proposal will replace 60,000 lf of waterline with HDPE or PVC pipe and construction of a 1.5 mg ground storage tank.	C	\$6,313,974.00				

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Public Water System													
91	23	11575	Texas State Technical College	S	TX1550138	2,502	Replace cast iron, calcified pipes with smaller pipes to provide adequate service and stop nitrification episodes.	PDC	\$8,500,000.00		Yes-BC	\$100,000.00	
101	20	11589	Texas Water Company	P	TX0610051	59	Construct an interconnect line to the Town of Colony to address capacity issues.	DC	\$99,800.00				
235	4	11439	Thorndale	M	TX1660003	1,637	In order to secure additional water supplies, the City proposes to drill a new 250 GPM well in the Carrizo-Wilcox aquifer, construct a 150,000 gallon ground storage tank, 6-in raw water line, filter/aeration treatment plant, 8-in transmission line, pump station and telemetry. The City also plans to develop an asset management plan for this new groundwater system.	PADC	\$5,705,000.00				
118	16	11695	Tioga	M	TX0910007	803	Our proposal is to drill a new well approximately 1,600 feet deep into the Antlers formation to produce water with iron content below secondary limits, to replace well #2; Improve energy efficiency with more efficient pump and motor and lower pumping head; Reduce unaccounted water usage by metering public facilities and preparation of an asset management plan.	PADC	\$1,092,000.00	30%	Yes-BC	\$785,200.00	
294	1	11595	Troy	M	TX0140037	2,217	Construct new water supply municipal well system. The project will also include the construction of the associated ground storage tanks, water pump station and water main installation as required to connect to the existing distribution system. This project also includes the preparation of an Asset Management Plan.	PDC	\$1,880,000.00		Yes-BC	\$250,000.00	
112	19	11600	Twin Buttes Water System Inc.	P	TX2260026	44	Provide adequate supply to the system by providing an interconnect with the City of San Angelo water system. It will also allow for more control in treatment and quality.	ADC	\$345,799.00				
155	12	11605	Twin Buttes Water System Inc.	P	TX2260026	44	Twin Buttes is developing an alternative water supply through the construction of an interconnection with San Angelo. Due to drought water production at their only water well is in decline and the system experiences periodic outages. They have supplemented water supply by trucking it in but this is costly and water quality is variable.	ADC	\$296,000.00		Yes-BC	\$100,000.00	

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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													
149	13	11607	Union WSC	W	TX2140004	5,292	Replacement and upgrades to existing water main distribution lines to address water and pressure losses. Installation of new main distribution lines and valves to improve water distribution efficiency and reduce water pressures deficiencies. Connection of existing residential and commercial water services to new water main distribution lines. Construction of a 250,000 gallon elevated storage tank. Finally, expansion of the existing water treatment plant from 1.5 MGD to 3.0 MGD.	PADC	\$5,610,915.00	50%	Yes-BC	\$650,000.00	
39	51	11608	Upper Colorado RA	D	TX2000002	10,838	In order to use the existing raw water system, 6.5 miles of 36" pipeline requires replacement, a condition assessment will be made on 22 miles of 33" pipeline, raw water will have to be conveyed to the intake structure, and the raw water pump station requires rehabilitation. Originally constructed in 1968, the raw water supply system from E.V. Spence Reservoir to the City of San Angelo has been out of service for approximately 20 years due to numerous failures in the supply pipeline. This raw water source is required to meet water demands.	PDC	\$19,140,000.00				
234	4	11441	Valley Mills	M	TX0180003	1,203	This project will implement an automated meter reading system (AMR) and replace water distribution lines.	PDC	\$936,000.00		Yes-CE	\$425,000.00	
109	20	11443	Vernon	M	TX2440001	10,874	This proposal is to install a new 16 mile 24 inch PVC pipeline.	PADC	\$11,000,000.00	30%	Yes-BC	\$11,000,000.00	
43	49	11703	Vinton	M	TX0710151	2,519	Our proposal consists of the installation of new high capacity water lines. These new lines will be able to maintain a minimum pressure. A service fee will be needed to allow EPWU to provide adequate water storage for Vinton. Currently, Hillside Water Works and Vinton Hills Alegre, do not have enough capacity to meet the minimum pressure. Hillside Water Works has also received numerous TCEQ violations for high arsenic levels. The new proposed system will tie into the EPWU system to provide Vinton's first public water system.	PADC	\$12,090,403.00	70%			
124	15	11445	Warren WSC	W	TX2290006	1,746	This proposal consists of a new water well, piping, and electrical. Also new automatic read meters.	PDC	\$1,194,000.00		Yes-CE	\$168,000.00	

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Public Water System													
150	13	11609	Webb County	C	TX2400022	5,427	Rehabilitation of the water treatment plant and water distribution system.	PDC	\$8,535,625.50				
18	110	11448	Wellman	M	TX2230003	300	Our proposal consists of 2 options. Option 1 is to purchase water from the City of Brownfield and build a pump station and pipeline that will transport the water to the City's existing storage facility. Option 2 is to install a reverse osmosis facility to remove the constituents from the water.	PADC	\$1,901,455.00	70%			
53	40	11610	Weslaco	M	TX1080011	32,092	Project includes: adding 10 MGD plant capacity; rehabilitating failing plant components; adding raw water and high service pumps; adding a transmission main from the plant; and adding a clearwell and elevated storage tank.	PDC	\$47,818,358.73				
136	13	11611	Weslaco	M	TX1080011	32,092	Replacement of existing 8" cast iron water line on 8th Street to reduce water loss.	PDC	\$171,350.00		Yes-BC	\$171,350.00	
164	11	11626	Weslaco	M	TX1080011	32,092	Replacement of existing 16" asbestos water line to reduce water loss.	PDC	\$498,355.00		Yes-BC	\$498,355.00	
278	2	11627	Weslaco	M	TX1080011	32,092	A new well to supplement existing system to address potential drought issues.	PDC	\$3,785,000.00		Yes-CE	\$300,000.00	
169	11	11729	West	M	TX1550009	2,695	Project to rehabilitate two existing water storage tanks, one elevated and one ground. If not already in place, this project will institute an asset management program.	PDC	\$471,500.00	30%			
320	0	11628	West Odessa WSC	W	tx0680215	3,000	The WSC is proposing to construct a 12" treated water transmission pipeline from Odessa. The WSC is also proposing to construct a distribution system with an elevated tank and a pump station. The Corporation has an unserved population that either hauls water or depends on shallow wells which have poor quality and low quantity.	PADC	\$10,500,000.00				
107	20	11709	West Tawakoni	M	TX1160012	1,616	Our proposal will replace existing 2 inch lines with 6 inch lines and install fire hydrants.	PDC	\$2,274,000.00	50%	Yes-BC	\$2,274,000.00	

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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													
158	12	11452	West Tawakoni	M	TX1160012	3,600	The proposal consists of constructing new water intake structure into deeper water. Per PER, an approx. depth of 25 feet can be obtained by construction the new intake structure at the proposed location. Developing an asset management plan and purchasing or acquiring easement to property for construction of a new raw water pipeline.	PADC	\$1,489,022.00	50%			
170	11	11629	West Tawakoni	M	TX1160012	3,600	Rehab existing ground storage tank and North elevated storage tank to correct identified deficiencies. The project also includes increasing high service pump capacity to supply 20-year projected capacities; construct a new ground storage tank, and extend the water intake structure deeper into Lake Tawakoni.	PDC	\$1,575,075.00	50%			
283	1	11630	Westbound WSC	W	TX0670027	2,342	Install a water softener at the existing well field and develop four wells in a proposed new well field.	PDC	\$2,000,000.00				
134	13	11710	White River MWD	D		10,833	Our proposal consists of rehabilitation of 8 existing municipal water supply wells; construction of 10 new water supply wells; well field storage; construct emergency backup well; general plant rehabilitation; distribution system rehabilitation projects; wind turbine construction and reclaimed water project.	PADC	\$39,718,122.00	50%	Yes-BC	\$7,300,155.00	
216	8	11631	Wiedenfeld Water Works	P	TX1630038	108	Drill new well into the Trinity Aquifer.	DC	\$350,000.00				
125	15	11715	Willow Park	M		4,003	Additional supply line to provide the City with a second source of water.	PDC	\$1,865,000.00				
162	11	11736	Willow Park	M	TX1840027	4,003	Replace existing waterlines in the project area with new PVC waterlines.	PDC	\$353,500.00		Yes-BC	\$353,500.00	

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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														
198	10	11713	Willow Park	M	TX1840027	4,926	Replace existing old and deteriorated waterlines with larger, PVC waterlines. The water system is experiencing significant water loss and low pressures in the area of the West Oak Development.	PDC	\$684,000.00		Yes-BC	\$700,065.00		
49	44	11716	Winters	M	TX2000003	2,880	Our project is to develop an alternative groundwater supply, requiring a raw water transmission system to transfer water to the city's water treatment plant.	DC	\$1,360,000.00	30%				
119	16	11458	Wolfe City	M	TX1160005	1,536	Our proposal is to re-coat existing tank, replace all existing water lines with new 6" and 8" water lines and install one or two new wells.	PDC	\$8,130,000.00	70%	Yes-BC	\$7,317,000.00		
Public Water System Total		347								\$1,830,223,580.70	120	142	\$520,543,137.92	
Total		347								\$1,830,223,580.70	120	142	\$520,543,137.92	

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	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s	
Public Water System														
198	10	11713	Willow Park	M	TX1840027	4,926	Replace existing old and deteriorated waterlines with larger, PVC waterlines. The water system is experiencing significant water loss and low pressures in the area of the West Oak Development.	PDC	\$684,000.00		Yes-BC	\$700,065.00		
48	44	11716	Winters	M	TX2000003	2,880	Our project is to develop an alternative groundwater supply, requiring a raw water transmission system to transfer water to the city's water treatment plant.	DC	\$1,360,000.00	30%				
119	16	11458	Wolfe City	M	TX1160005	1,536	Our proposal is to re-coat existing tank, replace all existing water lines with new 6" and 8" water lines and install one or two new wells.	PDC	\$8,130,000.00	70%	Yes-BC	\$7,317,000.00		
Public Water System Total		347								\$1,830,223,580.70	120	142	\$520,543,137.92	
Total		347								\$1,830,223,580.70	120	142	\$520,543,137.92	

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	Reason for Ineligibility
11317	Birome WSC	\$805,000.00	Current Active RWAf Project #62511
11333	El Paso PSB	\$50,000,000.00	Ineligible Activity - Acquisition for Future Growth
11347	La Feria	\$288,950.00	Ineligible Activity - O&M

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Appendix I. Projects Ineligible for Disadvantaged Funding**

	PIF #	Entity	Project Cost	Reason for Ineligibility
1	11667	Blanket	\$800,000	AMHI
2	11318	Blooming Grove	\$1,144,570	AMHI
3	11319	Bluegrove WSC	\$200,000	AMHI
4	11357	Brookesmith SUD	\$2,531,000	AMHI
5	11320	Clyde	\$12,000,000	AMHI
6	11718	Clyde	\$8,900,000	AMHI
7	11367	Cottonwood Shores	\$3,816,500	AMHI
8	11704	Covington	\$200,000	AMHI
9	11331	Crystal City	\$231,821	HCF
10	11663	Eden	\$2,631,000	AMHI
11	11427	Eden	\$7,040,000	AMHI
12	11435	Etoile WSC	\$3,127,505	AMHI
13	11336	Forsan	\$700,000	AMHI
14	11719	Gordan	\$1,196,000	AMHI
15	11340	Granbury	\$2,691,000	AMHI
16	11655	Grand Saline	\$470,000	HCF
17	11498	Gustine	\$142,000	HCF
18	11487	Harris Co. FWSD #47	\$5,581,670	AMHI
19	11562	Kenedy Co.	\$720,000	HCF
20	11624	Los Fresnos	\$12,177,885	AMHI
21	11625	Los Fresnos	\$320,075	AMHI
22	11365	Mertzon	\$1,202,000	HCF
23	11522	Midway	\$297,000	AMHI

	PIF #	Entity	Project Cost	Reason for Ineligibility
24	11418	Millersview-Doole WSC	\$578,000	AMHI
25	11384	Morton Valley WSC	\$4,000,000	AMHI
26	11434	New Deal	\$996,830	AMHI
27	11398	North Runnels Co. WSC	\$500,000	AMHI
28	11401	Nueces County	\$1,153,000	AMHI
29	11440	Olmito WSC	\$2,159,000	AMHI
30	11687	Rio Grande City	\$1,619,640	HCF
31	11426	Rolling Hills WS	\$2,047,000	AMHI
32	11682	Smyer	\$310,000	AMHI
33	11684	Strawn	\$2,345,000	AMHI
34	11563	Strawn	\$1,580,000	AMHI
Total			\$85,408,496.00	

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

HCF = Household Cost Factor did not meet the minimum threshold.

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Appendix J. Project Priority List - By Rank**

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	607	11418	Millersview-Doole WSC	W	TX0480015	3,579	Our proposal consists of treating well water at the source and blending with surface water.	PDC	\$578,000.00				
2	363	11324	Corix Utilities	P	TX0270014	348	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PADC	\$2,879,020.00		Yes-BC	\$1,007,657.00	
3	359	11484	Robert Lee	M	TX0410002	1,370	Our proposal consists of constructing a new well field, build line to neighboring community, upgrade existing WTP, reconstruct reservoir intakes, install automatic meter reading equipment and prepare an asset management plan.	PADC	\$11,055,400.00	70%	Yes-BC	\$225,000.00	
4	343	11390	North Central Texas MWA	D	TX1380009	10,167	Our proposal is to construct a nitrate removal water treatment plant, drill additional wells and construct supply line from wells.	PADC	\$7,500,000.00	30%			
5	288	11675	Bronte	M	TX0410001	977	Four new wells, raw water transmission lines, treatment plant expansion, finished water transmission lines and new standpipe.	C	\$6,698,960.00	30%	Yes-CE	\$576,000.00	
6	211	11352	Brady	M	TX1540001	5,508	Replacement of many miles of pipeline that is leaching combined radium back into treated water as it is distributed. Construction of a new elevated storage tank and lines to alleviate low pressure areas.	PADC	\$22,381,000.00	50%	Yes-BC	\$400,000.00	
7	209	11326	Corix Utilities	P	TX0270080	111	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PADC	\$1,895,940.00		Yes-BC	\$319,500.00	
8	181	11437	Stamford	M	TX1270003	3,071	The proposed project will include the construction of a new groundwater well system, groundwater treatment system and installation of new raw and finished water lines to eliminate leaks and reduce water loss. The project will also include replacement of the existing raw water pumps. Refer to Section III.	PDC	\$18,996,000.00	50%	Yes-BC	\$10,245,000.00	

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Public Water System													
9	165	11396	Menard	M	TX1640001	1,562	Our proposal consists of a new WTP, new wells and well rehabilitation.	PDC	\$5,865,000.00	50%	Yes-BC	\$225,000.00	
10	160	11332	East Rio Hondo WSC	W	TX0310096	26,825	ERHWSC will install a U/V disinfection system to obtain the 4-Log removal of cryptosporidium required by the TCEQ. ERHWSC will improve the restrictive section of waterline that connects the R/O WTP to the rest of the ERHWSC distribution system with a 16" PVC waterline to allow sufficient flow from the R/O WTP to the rest of the ERHWSC distribution system.	PADC	\$2,087,450.00	50%			
11	150	11694	Tahoka	M	TX1530002	2,673	Our proposal will replace 60,000 lf of waterline with HDPE or PVC pipe and construction of a 1.5 mg ground storage tank.	C	\$6,313,974.00				
12	143	11355	Leakey	M	TX1930002	1,050	Construct water well for Frio River Ranch Estates Colonia with a water transmission line from Frio River Ranch to the City of Leakey's water plant on Fourth Street, and return line to Frio River Ranch Estates Colonia.	ADC	\$385,000.00				
13	141	11648	Gorman	M	TX0670003	1,950	The City of Gorman is proposing to eliminate the old cast iron water line and replace it with PVC water lines. The City is also proposing to replace all of its service meters with new electronic read meters.	PADC	\$2,100,000.00	50%	Yes-BC	\$2,100,000.00	
14	133	11362	Cameron	M	TX1660001	5,552	Convert from surface water to groundwater by developing a new well field, constructing a ground storage tank at the new well field, constructing a raw water pump station and transmission line from new well field to existing ground storage tanks at existing high service pump station. Rehabilitate existing high service pump station and existing ground storage tanks.	PDC	\$15,000,000.00	50%	Yes-BC	\$940,000.00	
15	124	11327	Corix Utilities	P	TX0270041	267	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PADC	\$2,247,040.00		Yes-BC	\$786,500.00	
16	123	11316	Beeville	M	TX0130001	13,068	Expand and upgrade the existing pretreatment and disinfection systems at the WTP to improve system reliability and TOC reduction, helping the City to get back into compliance for TTHMs. (Refer to Section III for additional information)	PDC	\$3,006,000.00	30%			

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Public Water System													
17	111	11601	Lawn	M	TX2210005	927	Abandon WTP and construct new treated water supply; build taller standpipe; replace old and deteriorated water lines.	PADC	\$4,889,400.00	70%			
18	110	11448	Wellman	M	TX2230003	300	Our proposal consists of 2 options. Option 1 is to purchase water from the City of Brownfield and build a pump station and pipeline that will transport the water to the City's existing storage facility. Option 2 is to install a reverse osmosis facility to remove the constituents from the water.	PADC	\$1,901,455.00	70%			
19	86	11080	Aspermont	M	TX2170001	1,754	The City of Aspermont proposes to construct an RO Water Treatment Plant and develop additional well resources.	PDC	\$3,000,000.00	30%			
20	85	11618	Live Oak Hills Subdivision	P	TX1540012	60	Install a radium removal system with plumbing and a building to house it.	C	\$100,000.00				
21	85	11548	Paint Rock	M	TX0480012	280	Construct a new microfiltration water treatment plant to replace the current antiquated plant that has a failing roof, an inadequate electrical system, and a building that is in disrepair.	PDC	\$1,700,000.00	70%			
22	82	11580	Lake Texoma VFW Post 7873	P	TX0910086	270	Radium removal from well water.	PADC	\$829,715.00				
23	79	11639	Anahuac	M	TX0360001	2,880	Rehabilitate the surface water treatment plant, construct a raw water holding pond, and replace cast iron water lines. The treatment plant is in poor condition and has been out of service since 2010; water lines were constructed in the late 1940s and 1950s. The City received a notice of enforcement in 2012 from TCEQ for trihalomethane violations.	PADC	\$2,700,741.00				
24	79	11360	Loop WSC	W	TX0830011	300	Our project consists of a proposed water treatment plant.	PDC	\$800,000.00				
25	77	11540	North Runnels Co WSC	W	TX2000005	1,500	Install pump station, transmission, and distribution lines for purchased water from Bronte to reduce THM levels. Also, provide public water to 200 households around Oak Creek Reservoir.	PADC	\$6,000,000.00				
26	75	11320	Clyde	M	TX0300002	6,206	Pump water from Lake Fort Phantom Hill with 104,000 linear feet of water transmission pipeline. Rehabilitate intake and construct two pump stations. Rehabilitate surface water treatment plant.	PADC	\$12,000,000.00				

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Public Water System													
27	74	11343	Anthony	M	TX0710001	3,212	Upgrades to booster station, install arsenic treatment system, install chlorination control system, install new 250,000 gallon tank, rehab and/or replace lines, install new well and rehab existing one.	PADC	\$7,090,544.00	50%	Yes-BC	\$1,114,500.00	
28	71	11350	Baird	M	TX0300001	3,233	Replace the old water treatment plant with a new 1.0 MGD microfiltration or ultrafiltration water treatment plant. This plant will allow the city to meet TCEQ supply and treatment requirements and it will eliminate the current TCEQ violations. Also, replace the 50 year old cast iron raw water transmission line with a new PVC raw water line. The city has experienced significant water loss due to leaks in the old raw water line.	PDC	\$4,850,000.00				
29	70	11549	Plains	M	TX2510002	1,481	Provide precipitation treatment and activated alumina treatment to lower arsenic and floride levels.	D	\$250,000.00				
30	69	11606	Seymour	M	TX0120001	2,900	Construct additional water supply system from Miller Creek Reservoir water plant to correct insufficient supply, and construct evaporation ponds for reverse osmosis brine to reduce selenium discharge from plant.	PADC	\$6,158,000.00	30%			
31	67	11337	Fort Griffin SUD	D	TX2090005	2,740	Utilize the SUD's existing raw water allotment from the BRA construct a treatment plant and water lines for that purpose.	PADC	\$3,657,500.00		Yes-CE	\$500,000.00	
32	65	11603	San Saba	M	TX2060001	2,637	New 6" and 8" water mains are proposed to replace the dilapidated lines. Multiple existing 6" and 8" water mains located throughout the city need replacement. These lines are composed of cast iron which is over 70 years old. The lines are badly deteriorated causing frequent leakage and line breaks.	PDC	\$2,000,000.00	30%	Yes-BC	\$295,379.00	
33	64	11682	Smyer	M	TX1100010	480	Our project includes installing a fluoride water treatment system, a new water well, a water line from the new well, and re-coating the ground storage tank. Locating and installing a new water well with associated disinfection system and transmission line; Preparing the 100,000 gallon water storage tank and recoating the storage tank; Providing and installing a water treatment system to reduce the Fluoride levels in the water to below the MCL; Provide and install backup power connections to two water wells and the water pump station.	PADC	\$310,000.00				

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Public Water System													
34	63	11684	Strawn	M	TX1820005	487	Our proposal is to drill new wells in the Trinity Aquifer and install transmission lines as part of a regional supply solution.	PADC	\$2,345,000.00	30%			
35	59	11544	Opdyke West	M	TX1100030	169	Filtration system to remove arsenic and fluoride.	PDC	\$200,000.00				
36	58	11321	Coahoma	M	TX1140002	817	Replacement of aged cast iron distribution lines with new PVC water lines, rehabilitate the interior and exterior of the existing EST. The city is making temporary improvements for short term compliance, the application will make permanent improvements (disinfectant chemical dosing station).	PDC	\$1,128,000.00		Yes-BC	\$170,000.00	
37	55	11527	La Salle Landing WSC	W	TX1200008	93	Install Oxidation filter to concurrently remove iron and arsenic, install new main water line, install customer meters, install new service lines, install ground storage to allow backwash of filter, and create an asset management plan.	PDC	\$480,600.00				
38	54	11341	Joaquin	M	TX2100010	836	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	70%	Yes-CE	\$2,910,000.00	
39	51	11608	Upper Colorado RA	D	TX2000002	10,838	In order to use the existing raw water system, 6.5 miles of 36" pipeline requires replacement, a condition assessment will be made on 22 miles of 33" pipeline, raw water will have to be conveyed to the intake structure, and the raw water pump station requires rehabilitation. Originally constructed in 1968, the raw water supply system from E.V. Spence Reservoir to the City of San Angelo has been out of service for approximately 20 years due to numerous failures in the supply pipeline. This raw water source is required to meet water demands.	PDC	\$19,140,000.00				
40	51	11401	Nueces County	C	TX1780050	138	Nueces County proposes to replace distribution lines throughout Cyndie Park II (served by CP2WSC) as well as construct additional new lines to connect Cyndie Park I residents. Nueces County will then construct upgrades to an existing water system (Nueces Water Supply, 4 miles away) and connect CP I and CP II to the new system.	AC	\$1,153,000.00		Yes-BC	\$50,000.00	
41	51	11574	Riesel	M	TX1550040	1,242	Arsenic Treatment.	PDC	\$1,222,500.00				

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Public Water System													
42	50	11656	Donna	M	TX1080002	15,000	New raw water pre-treatment basin will allow existing WTP to provide raw water for treatment when the local irrigation district has problems with pumping/canals & would provide pre- settlement of water prior to treatment. City is currently adding an inordinate amount of chemicals to settle raw water, causing the water to become extremely corrosive, subsequently causing plant mechanism deterioration. City is already spending an inordinate amount of money replacing clarifier mechanisms.	C	\$3,175,000.00	30%			
43	49	11703	Vinton	M	TX0710151	2,519	Our proposal consists of the installation of new high capacity water lines. These new lines will be able to maintain a minimum pressure. A service fee will be needed to allow EPWU to provide adequate water storage for Vinton. Currently, Hillside Water Works and Vinton Hills Alegre, do not have enough capacity to meet the minimum pressure. Hillside Water Works has also received numerous TCEQ violations for high arsenic levels. The new proposed system will tie into the EPWU system to provide Vinton's first public water system.	PADC	\$12,090,403.00	70%			
44	49	11718	Clyde	M	TX0300002	3,842	Construction of 104,000 lf of water pipeline and rehabilitation of the surface water treatment plant	PADC	\$8,900,000.00				10168
45	47	11339	Freeport	M	TX0200005	12,093	Extension of water services in the City of Freeport's ETJ from Surfside Village to Treasure Isle MUD. The City has recognized the demand for water needs in the City's ETJ. The project will consist of a water line extension and storage/booster stations as needed to maintain pressure.	PDC	\$9,000,000.00				
46	45	11380	Moore WSC	W	TX1550127	246	Moore Water System proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. An asset management plan would be developed for this water system.	PDC	\$245,000.00		Yes-BC		
47	45	11578	Rio Hondo	M	TX0310006	2,356	Rehabilitation of the treatment plant, replacement of distribution lines, replacement of meters, and new pumping system.	PDC	\$3,350,664.80	70%	Yes-Comb.	\$5,309,758.00	

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Public Water System													
48	44	11482	Greenbelt MIWA	D	TX0650013	12,789	A wellfield, supplying up to 3 MGD, will be constructed on the North Ogallala Aquifer. This wellfield will be connected to the GMIWA treatment plant with a new, 16-inch pipeline approximately 15-miles long.	ADC	\$10,000,000.00	50%			
49	44	11716	Winters	M	TX2000003	2,880	Our project is to develop an alternative groundwater supply, requiring a raw water transmission system to transfer water to the city's water treatment plant.	DC	\$1,360,000.00	30%			
50	43	11692	Central WCID	D	TX0030019	6,576	Water system improvements include replacing asbestos cement distribution lines, well repair and improvement, and new ground storage and pressure tanks. The water system exceeds asbestos Maximum Contaminant Levels, the wells are in poor condition, and the water system does not meet TCEQ requirements for minimum storage capacity.	PADC	\$2,023,700.00				
51	42	11634	114th Street Mobile Home Park	P	TX1520067	123	Installation of filters to remove arsenic and fluoride.	PDC	\$200,000.00				
52	41	11404	Dublin	M	TX0720001	4,207	The City of Dublin has identified 6 locations where there are leaking, uncased water lines crossing under the railroad tracks. This project includes replacing these 6 leaking water lines by boring under the railroad. The project also includes replacing other old, leaking water lines in the distribution system. The City's existing elevated storage tank is in need of repair, so it is proposed to rehabilitate the existing elevated tank. It is also proposed to construct a new 250,000 gallon elevated storage tank to provide additional elevated storage. To supplement the City's water supply, it is proposed to drill a new secondary supply well. It is also proposed to construct a pressure tank at an existing water well. Also, it is proposed to make improvements to the City's disinfection system.	PADC	\$5,420,000.00	30%	Yes-BC	\$1,626,000.00	
53	40	11610	Weslaco	M	TX1080011	32,092	Project includes: adding 10 MGD plant capacity; rehabilitating failing plant components; adding raw water and high service pumps; adding a transmission main from the plant; and adding a clearwell and elevated storage tank.	PDC	\$47,818,358.73				
54	37	11365	Mertzson	M	TX1180002	736	The proposed project will include the upgrade of an existing irrigation well to municipal standards to supplement the City's existing wells, and the construction of a radionuclide reduction treatment system.	PDC	\$1,202,000.00		Yes-BC	\$770,000.00	

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Public Water System													
55	37	11427	Eden	M	TX0480001	2,766	Construction of a desalination system to be installed at the City's new WTP. Replacement of multiple water lines throughout the City to reduce water losses. Complete required upgrades to the City's existing groundwater wells.	PDC	\$7,040,000.00		Yes-BC	\$3,865,000.00	
56	36	11644	Falcon Rural WSC	W	TX2140003	2,500	Install new water lines to eliminate leaks and reduce water loss.	PDC	\$2,040,000.00	30%	Yes-BC	\$2,040,000.00	
57	35	11564	Poteet	M	TX0070005	3,206	Establish the interconnections with storage and pumps with Benton City WSC and McCoy WSC to serve as back up source for the city; update to AMR meter system to replace aging meters and improve the city's ability to closely monitor water loss and leaks; and replace cast iron and asbestos/concrete service mains that leak often & reduce the amount of water rust concerns.	PADC	\$5,400,000.00	30%	Yes-BC	\$300,000.00	
58	33	11389	M S WSC	W	TX1550037	684	M.S. WSC proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. M.S. WSC is a member of FHLM WSC; an asset management plan would be developed for this water system.	PDC	\$390,000.00		Yes-BC		
59	33	11579	Ladonia	M	TX0740004	1,008	Install new water distribution lines to address water loss of 30% associated with aging abestos-cement lines. Rehabilitate existing elevated storage tank and recoat to address excessive rusting.	PDC	\$2,362,100.00	50%			
60	33	11502	Rotan	M	TX0760002	2,763	Our proposal is to install 14 miles of new 12-inch PVC water line to replace existing and ground storage tank.	PDC	\$4,200,000.00	30%	Yes-BC	\$2,840,000.00	
61	32	11649	Graham	M	TX2520001	8,716	Plant expansion and rehabilitation to provide 10 MGD of capacity. Increase pumping capacity and plant storage capacity. Install transmission line & replace aging lines. These improvements will bring system into TCEQ compliance.	PDC	\$16,600,000.00		Yes-BC	\$1,500,000.00	
62	31	11636	Abraxas Corporation	P	TX1840034	537	Construction and installation of filters at each well to remove radium.	PDC	\$330,000.00				
63	30	11322	Coleman	M	TX0420001	12,099	Replace untreated water supply line from Lake Coleman.	PDC	\$8,950,000.00	30%	Yes-BC	\$9,000,000.00	

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Public Water System													
64	29	11598	San Marcos	M	TX1050001	59,555	Expand the City's reclaimed water system to provide irrigation in City parks, as well as provide chill plant make-up water and irrigation of athletic fields at Texas State University. The project will reduce withdrawals from the Edwards aquifer and the San Marcos River by replacing potable water used for the same purposes.	PDC	\$22,068,828.00	50%	Yes-CE	\$22,068,800.00	
65	26	11348	La Feria	M	TX0310003	7,291	The proposed project consists of installing a total of five (5) Gridbee Potable Tank Mixers with Chlorine Boost Systems. This will help keep chlorine levels at a safe rate and reduce THM formations in the system.	PDC	\$111,800.00	30%			
66	26	11616	Snyder	M	TX2080001	10,567	The proposed project is to drill a brackish well near Snyder and construct a 1.0 MGD desalination plant with injection wells. The City of Snyder provides water to numerous systems in the area, as well as the citizens of the City of Snyder. The City purchases water from CRMWD and receives water from Lakes Thomas and Ivy, which are both currently extremely low. As a regional water supplier the City is looking to increase supply. The groundwater in the Snyder area is brackish.	PADC	\$7,820,000.00				
67	26	11619	Snyder	M	TX2080001	10,567	The proposed project consists of 10 water wells in northern Mitchell County. The City of Snyder provides water to numerous systems in the area as well as the citizens of the City of Snyder. The City purchases water from CRMWD and receives water from Lakes Thomas and Ivy, which are both currently extremely low. As a regional water supplier the City is looking to increase supply. The groundwater in the Snyder area is brackish.	PADC	\$11,100,000.00				
68	26	11676	Brownsville	M	TX0310001	172,437	This project will connect an existing 16" waterline with a main to create a loop that would correct pressure problems in the northern area of town. This area has low pressure due to constant population growth without the infrastructure needed to compensate.	DC	\$279,748.00				

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Public Water System														
69	26	11678	Brownsville	M	TX0310001	172,437	This project consists of the installation of a 16" waterline and a 24" waterline that extend the BPUB's water system from a water tank on Martina Road to the Rio Del Sol Subdivision on the most northern end of the City of Brownsville. The purpose of this project is to increase pressures and flows to the distribution lines in the northern areas of Brownsville and to provide new service capabilities from the Martina Rd. Elevated storage tank to the Rio Del Sol Subdivision. The project increases the distribution capacity and addresses chlorine residual concerns to the northeast areas of Brownsville.	PDC	\$3,440,448.00					
70	26	11552	Spur	M	TX0630012	1,275	Replace old, dilapidated distribution system piping and valves to reduce line breaks and increase pressure. The system has documented problems with low water pressure and line breaks.	PDC	\$2,078,000.00	30%	Yes-BC	\$2,078,000.00		
71	26	11501	Harris Co FWSD # 1A	D	TX1010082	1,854	Replace distribution system in four phases and rehabilitate elevated storage tanks (EST). The entire distribution system is original, exceeding 50 years in age. A significant amount of the distribution system is steel petroleum industry pipe that was provided by area refineries. The line sizes do not meet the current state criteria and do not offer fire protection in most areas of the district. Both EST's have been cited by the TCEQ for Notice of Violations for the maintenance issues requiring significant repair and recoating.	PDC	\$7,107,360.00	70%	Yes-BC	\$5,685,888.00		
72	26	11399	Donna	M	TX1080002	17,850	Our proposal is to increase treatment capacity to 6.0 MGD and construct new 15 acre Raw Water Reservoir.	PADC	\$13,105,000.00	50%				
73	26	11583	Rockdale	M	TX1660002	5,439	Construct/improve the Mill Street Central Treatment Facility to meet higher demand and to increase water pressure throughout system. Also, implement an asset management plan.	PDC	\$3,060,000.00	30%				
74	25	11414	Olsen Estates WS	W	TX0360065	162	For the Arsenic, we plan to install a treatment system or obtain a new well as recommended by an engineering firm. Upgrade the water plant to include additional well, storage and pump capacities. Also provide backup generator as required by TCEQ.	PADC	\$205,800.00					

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Public Water System													
75	25	11569	Lass Water Company	P	TX0910143	243	Replace well to address system deficiencies.	PC	\$89,000.00				
76	25	11697	Chaparral III WS	P	TX2460047	206	Filtration system to remove fluorides.	PDC	\$200,000.00				
77	23	11081	Bartlett	M	TX2460006	1,980	Replace existing cast iron, thin wall PVC, and asbestos cement mains. Install larger mains to provide fire protection. Replace existing meters with new AMR meters. The city will prepare an Asset Management Plan.	PDC	\$5,000,000.00	50%	Yes-BC	\$4,400,000.00	
78	23	11701	Cotulla	M	TX1420001	3,614	Install two new wells to supplement water supply and place elevated storage in strategic locations to reinforce pressure delivery. Project also includes water meter replacements, improved grid connectivity and reliability, and miscellaneous transmission loops. An asset management plan will be done sequentially with a hydraulic model already in progress.	PDC	\$14,010,690.00	70%	Yes-BC	\$991,650.00	
79	23	11560	Stamford	M	TX1270003	3,636	The proposed project will include the installation of new finished water and raw water lines to eliminate leaks and reduce water loss. The project will also include replacement of the existing raw water pumps.	PDC	\$12,812,000.00	50%	Yes-BC	\$12,812,000.00	
80	23	11635	Abilene	M	TX2210001	116,412	Implement trihalomethane precursor removal and stripping processes at the city's water treatment plant to lower TTHM in the finished water.	C	\$11,478,000.00				
81	23	11384	Morton Valley WSC	W	TX0670018	583	Our project will replace water lines, new water lines to loop distribution system, replace water meters with AMR meters, rehab Ranger Pump Station including addition of ground storage tank, new hydropneumatic pump station and ground storage tank.	PADC	\$4,000,000.00		Yes-Comb.	\$2,880,000.00	
82	23	11400	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the east portion of the District's service area. Broken water lines in the service area caused disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			

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Public Water System													
83	23	11405	Nueces Co WCID # 5	D	TX1780010	810	The project consists of looping existing waterlines to eliminate dead ends. The district's water distribution system has many dead end lines that jeopardize the water quality for its residents. Looping these waterlines will create better water circulation and eliminate stagnant water in the lines. The project will also include the installation of new flush valves for waterlines that cannot be looped within the existing system.	PDC	\$200,000.00	50%			
84	23	11407	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the west portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
85	23	11408	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the south portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
86	23	11409	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the north portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00	50%			
87	23	11411	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the installation of water meters in the service area, purchase of leak detection equipment and instrumentation, and preparation of an asset management plan. The leak detection equipment will assist the District during the asset management planning process and conditions assessment.	PDC	\$200,000.00	50%			

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Public Water System													
88	23	11582	Rising Star	M	TX0670005	834	Replace 7,000 feet of asbestos cement and ductile iron pipe with C-900 PVC water main. The asbestos concrete (AC) pipe for the main distribution line has become so brittle it is very hard to repair. Frequent leaks in this line have caused pressure losses in the system. There is ductile iron pipe mixed with AC pipe at several points in the system. The ductile iron pipe has become so rusted that debris from the pipes travel through the system into the houses.	PDC	\$1,383,000.00	30%			
89	23	11424	R M S WSC	W	TX1550136	960	R.M.S. WSC proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. R.M.S. WSC is a member of FHLM WSC. An asset management plan would be developed for this water system.	PDC	\$820,000.00		Yes-BC		
90	23	11617	Linden	M	TX0340004	1,974	Construct a new well with a chlorination system and ground storage, construct a new 100,000 gallon elevated storage tank, construct water lines from Well No. 6 to the elevated storage tanks, update the supervisory control and data acquisition (SCADA) system at all well and storage locations, and rehabilitate two elevated and one ground storage tank.	PADC	\$281,954.00	30%			
91	23	11575	Texas State Technical College	S	TX1550138	2,502	Replace cast iron, calcified pipes with smaller pipes to provide adequate service and stop nitrification episodes.	PDC	\$8,500,000.00		Yes-BC	\$100,000.00	
92	23	11433	Electra	M	TX2430002	2,956	Due to the prolonged drought and diminishing supplies throughout the state as well as the Cities of Iowa Park and Wichita Falls, Electra is proposing to rehabilitate their abandoned well field as well as rehabilitate their existing filtration water treatment plant equipment. A transmission line to transport this water to their purchased water storage tank for blending is also proposed.	PADC	\$2,340,000.00	30%			

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Public Water System													
93	22	11700	Colorado City	M	TX1680001	4,281	Drill 14 new water wells east of Colorado City, build new elevated storage tank, and install 14 miles of 8-inch through 16-inch water line from the new wells to the existing supply line. The City has implemented water rationing since summer 2010 in an attempt to keep the city from running out of water. In 2010 the capacities of two wells in the Perkins well field dropped enough that they can no longer be used; the East well field was operated 24 hours a day for 3 consecutive months just to keep up with demand. The city has reached its water supply limit and needs additional wells.	PDC	\$10,000,000.00	30%			
94	22	11457	Greater Texoma UA	D	TX0910006	38,690	Replacement of 3,500 lf of existing 12 inch water main on the west side of Texoma Highway.	PDC	\$400,978.00		Yes-BC	\$400,978.00	
95	22	11406	Eagle Pass	M	TX1620001	52,624	Our proposal is to expand WTP capacity, resize distribution lines and rehab storage tanks.	DC	\$52,593,351.00	30%			
96	22	11428	San Angelo	M	TX2260001	94,812	The City proposes to implement a direct potable reuse project that can produce a new raw water supply consisting of advanced treated recycled water, in order to produce up to 50% of the City's daily raw water demands.	PDC	\$150,000,000.00		Yes-Comb.	\$150,000,000.00	
97	21	11444	Paducah	M	TX0510001	1,186	The proposed project will include the installation of new water lines to eliminate leaks and reduce water loss.	PDC	\$2,388,000.00	30%	Yes-BC	\$2,309,000.00	
98	21	11454	Graham	M	TX2520001	15,115	Our proposal consists of the installation of an additional transmission line from plant to distribution system and replace aging lines.	PDC	\$2,303,000.00				
99	21	11491	Roma	M	TX2140007	19,170	Our proposal consists of constructing a new regional treatment facility and regional transmission system. It will be designed to be expanded to support multiple utilities in and around Starr County.	PAD	\$4,121,000.00	30%			
100	21	11420	Rio WSC	W	TX2140016	3,900	The proposed project calls for the upgrade of existing lines that are old and small for the amount of customers serviced now and in the future. A new storage elevated storage tank will also help alleviate the pressure inefficiencies.	PADC	\$430,000.00	30%			
101	20	11589	Texas Water Company	P	TX0610051	59	Construct an interconnect line to the Town of Colony to address capacity issues.	DC	\$99,800.00				

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Public Water System													
102	20	11393	Dario V. Guerra, III, dba Derby Ing.	W	TX0820016	87	Our proposal is to install a new chlorine system and replace water storage tank.	PDC	\$194,000.00	50%	Yes-BC	\$10,000.00	
103	20	11530	Lass Water Company	P	TX1250033	111	Upgrade the water system including new chlorine system, well meter replacements and repairs, replace water storage tank and accessories, prepare monitoring plan, prepare drought contingency plan, and prepare plant operations manual. These improvements are needed to meet TCEQ regulations and correct chlorination deficiencies.	PDC	\$954,000.00	70%	Yes-BC	\$50,000.00	
104	20	11366	Carbon	M	TX0670015	272	Pump station improvements to increase the storage and pumping capacities to meet compliance.	PDC	\$425,000.00	50%	Yes-BC	\$425,000.00	
105	20	11385	Dell City	M	TX1150001	365	Install new Reverse Osmosis water treatment facility. Currently, Dell City has an osmotic system that is outdated and is no longer in use. Due to the age of the system, replacement parts are difficult to locate.	PADC	\$899,000.00	50%			
106	20	11659	Elkhart	M	TX0010005	1,497	Install a new water well and pump to help alleviate insufficient water supply and low pressure. The project will also include plugging an abandoned/non-functioning water well.	PADC	\$3,679,200.00	50%			
107	20	11709	West Tawakoni	M	TX1160012	1,616	Our proposal will replace existing 2 inch lines with 6 inch lines and install fire hydrants.	PDC	\$2,274,000.00	50%	Yes-BC	\$2,274,000.00	
108	20	11417	Eastland	M	TX0670002	3,960	Our proposal consists of installation of new water lines to eliminate leaks and reduce water loss.	PDC	\$1,019,000.00	30%	Yes-BC	\$918,900.00	
109	20	11443	Vernon	M	TX2440001	10,874	This proposal is to install a new 16 mile 24 inch PVC pipeline.	PADC	\$11,000,000.00	30%	Yes-BC	\$11,000,000.00	
110	20	11479	Rio Grande City	M	TX2140018	17,045	Our proposal consists of constructing a new 1.5 MG elevated storage tank to provide capacity and improve area distribution pressures. Also to rehab the two existing storage tanks as to provide the needed maintenance and bring the tanks into compliance with TCEQ.	PADC	\$3,500,000.00	30%			
111	20	11450	Graham	M	TX2520001	17,756	Water transmission line from water treatment plant.	C	\$2,615,000.00				
112	19	11600	Twin Buttes Water System Inc.	P	TX2260026	44	Provide adequate supply to the system by providing an interconnect with the City of San Angelo water system. It will also allow for more control in treatment and quality.	ADC	\$345,799.00				

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Public Water System													
113	18	11426	Rolling Hills WS	W	TX1110032	264	The proposed project includes the replacement of the existing storage, pumping and distribution facilities and groundwater treatment via MF/RO for high concentrations of TDS, chlorides, bromides and iron. The project will also include the preparation of an asset management plan and WCP/DCP.	PDC	\$2,047,000.00		Yes-Comb.	\$500,000.00	
114	17	11392	Lyford	M	TX2450003	2,611	Our proposal is for installation of two ground water wells at the water treatment plant for a new water supply source, with construction of a 1.0 MGD reverse osmosis RO membrane treatment facility to treat the brackish ground water.	PADC	\$5,390,000.00	50%			
115	16	11346	La Feria	M	TX0310003	7,291	The proposed project consists of installing a new 300,000 gallon elevated storage tank to replace the badly deteriorated existing elevated tank.	PDC	\$1,199,000.00	30%			
116	16	11351	La Feria	M	TX0310003	7,291	The proposed project consists of additional 10" waterline and flow meter with vault in order to re-route decant water back into the existing reservoir to re-use. Currently approximately 150,000 gallons a day of decant water is left to evaporate in ponds and could be recycled. At current water rates, this amounts to over 7,000 dollars a year of savings.	PDC	\$138,677.50	30%	Yes-CE	\$138,677.00	
117	16	11349	La Feria	M	TX0310003	7,291	The proposed project consists of adding a Variable Frequency Drive (VFD) to high service pump #2. This will increase the life expectancy of the motor and provide additional electricity savings of over \$800 dollars a month.	PDC	\$40,000.00	30%	Yes-BC	\$40,000.00	
118	16	11695	Tioga	M	TX0910007	803	Our proposal is to drill a new well approximately 1,600 feet deep into the Antlers formation to produce water with iron content below secondary limits, to replace well #2; Improve energy efficiency with more efficient pump and motor and lower pumping head; Reduce unaccounted water usage by metering public facilities and preparation of an asset management plan.	PADC	\$1,092,000.00	30%	Yes-BC	\$785,200.00	
119	16	11458	Wolfe City	M	TX1160005	1,536	Our proposal is to re-coat existing tank, replace all existing water lines with new 6" and 8" water lines and install one or two new wells.	PDC	\$8,130,000.00	70%	Yes-BC	\$7,317,000.00	
120	16	11519	Mexia	M	TX1470004	6,790	Replacement of deteriorated water meters.	PDC	\$1,880,000.00	30%	Yes-CE	\$1,880,000.00	

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Public Water System													
121	15	11661	El Sauz WSC	W	TX2140028	1,110	The proposed project will provide first time water service to (3) Colonias with no existing water service. Approximately 400 families will be provided with first time water service and an additional 500 existing customers will also benefit from the proposed improvements. Improvements consist of the construction of two deep wells, one 150,000 gallon elevated storage tank, approximately 275,000 L.F. of 8" & 6" diameter PVC water mains and the adoption of an asset management plan.	PADC	\$8,979,000.00	70%			
122	15	11596	Lass Water Company	P	TX2200117	7,347	Replace well to resolve system deficiencies.	PC	\$89,000.00				
123	15	11492	Groveton	M	TX2280001	1,578	Construct water well and transmission main to supplement the current water supply, which is seasonally inadequate for current demand, specifically during drought conditions.	PADC	\$2,195,000.00				
124	15	11445	Warren WSC	W	TX2290006	1,746	This proposal consists of a new water well, piping, and electrical. Also new automatic read meters.	PDC	\$1,194,000.00		Yes-CE	\$168,000.00	
125	15	11715	Willow Park	M		4,003	Additional supply line to provide the City with a second source of water.	PDC	\$1,865,000.00				
126	14	11509	Harris Co WCID # 36	D	TX1010239	12,432	Replacement of aged, deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PDC	\$5,000,000.00	30%	Yes-BC	\$876,200.00	
127	14	11663	Eden	M	TX0480001	2,807	Construction of a desalination system to be installed at the City's new water treatment plant. The City is in noncompliance of secondary standards for its groundwater supply, primarily for Total Dissolved Solids and chloride. Both concentrations in the City's groundwater violates the Maximum Contaminant Levels.	PADC	\$2,631,000.00		Yes-BC	\$326,795.00	
128	14	11653	Grand Saline	M	TX2340003	3,028	Replacement of aged, deteriorated water lines and inoperable valves with a history of problems, and the development of an Asset Management Program.	PADC	\$2,172,000.00	30%	Yes-BC	\$695,500.00	

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Public Water System													
129	14	11666	East Rio Hondo WSC	W	TX0310096	18,996	New raw water pump station and transmission line to establish a new connection to an irrigation district. The new source is needed to replace the current source which is expected to run out in mid-2013. This project is needed to avert potential disaster due to ongoing extreme drought. Auto-read water meters with leak detection are also needed to replace current meters.	PADC	\$7,375,548.00	50%	Yes-CE	\$5,384,150.00	
130	14	11554	Port Arthur	M	TX1230009	57,755	Replace water lines to reduce leaks and increase pressure.	DC	\$11,176,236.00		Yes-BC	\$7,894,476.00	
131	13	11490	Mart	M	TX1550005	2,340	The City of Mart proposed to construct a pier to extend the existing intake structure (approx. 100-ft) in New Lake Mart along with upgrading the pump station to allow the City to draw water from less accessible portions of the lake during the drought.	PDC	\$500,000.00	30%			
132	13	11624	Los Fresnos	M	TX0310004	4,509	Expand Water Treatment Plant to 2.5 MGD - increase treatment, filtration, and pumping surface water to the public distribution system to address overall capacity. Replacement of 4" distribution lines to address low pressure. Replacement of existing fire hydrants to address water loss. Prepare an asset management plan.	PDC	\$12,177,885.00		Yes-Comb.	\$420,000.00	
133	13	11340	Granbury	M	TX1110001	10,507	The City is proposing to replace all 5,481 water meters with AMR meters to reduce unaccounted / unbilled water losses and replace a large percentage of meters that are over 10 years old. The City is requesting that the project be Pre-Design or PADC since it involves only meter replacement.	DC	\$2,691,000.00		Yes-CE	\$2,691,000.00	
134	13	11710	White River MWD	D		10,833	Our proposal consists of rehabilitation of 8 existing municipal water supply wells; construction of 10 new water supply wells; well field storage; construct emergency backup well; general plant rehabilitation; distribution system rehabilitation projects; wind turbine construction and reclaimed water project.	PADC	\$39,718,122.00	50%	Yes-BC	\$7,300,155.00	

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Public Water System													
135	13	11686	Sweetwater	M	TX1770002	12,091	The City will upgrade the membranes at the City's water treatment plant because they are currently not compliant with the new LT2 DIT regulations. Construction of a new elevated storage tank is needed to improve system pressure and volume because the City has difficulty in maintaining equal pressure and volume throughout its distribution system.	PDC	\$8,433,000.00	50%			
136	13	11611	Weslaco	M	TX1080011	32,092	Replacement of existing 8" cast iron water line on 8th Street to reduce water loss.	PDC	\$171,350.00		Yes-BC	\$171,350.00	
137	13	11673	Swea Gardens Estates Water Utility	P	TX1010218	117	Install an interconnect with the City of Houston to provide treated purchase water directed into the distribution system pressured by the water provider.	PADC	\$241,494.50				
138	13	11496	Hazy Hills WSC	P	TX2270091	219	Drill a new well to meet TCEQ pumping capacity requirements.	C	\$105,000.00				
139	13	11597	Lass Water Company	P	TX2490049	315	Replace well to comply with TCEQ pressure, capacity, and contaminant rules.	PDC	\$954,000.00				
140	13	11438	New Ulm WSC	W	TX0080014	355	This project includes the construction of a new ground storage tank, a new pressure tank, booster pumps, and the replacement of 2500 feet of asbestos distribution line.	DC	\$471,965.00	70%			
141	13	11667	Blanket	M	TX0250013	400	Drill two new water wells; replace 2,700 LF of old, leaky water lines and old meters; and construct 1,300 LF of water lines to loop dead ends.	PDC	\$800,000.00		Yes-BC	\$320,600.00	
142	13	11570	Study Butte WSC	W	TX0220035	624	Replace water lines, install pressure reducing outages, inadequate chemical storage facilities valves, install well servicing rig to reduce and inadequate housing for plant equipment. Install chemical storage facilities and building upgrades to address system deficiencies, in downtime.	PDC	\$1,256,000.00		Yes-BC	\$1,256,000.00	
143	13	11704	Covington	M	TX1090021	660	Install new 50,000 gallon ground storage tank with yard piping and controls. The project will resolve a TCEQ Notice of Violation by reducing significant water loss and providing adequate pressure. The project will increase water pressure to over 35 PSI.	DC	\$200,000.00				

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Public Water System													
144	13	11314	Barton WSC	W	TX0720013	697	Add chloramines disinfection systems at all pump station sites and add a section of water line for a system loop to improve disinfection residuals.	PADC	\$800,000.00		Yes-CE	\$800,000.00	
145	13	11434	New Deal	M	TX1520015	794	Our proposal is to replace line with new 8-inch piping, and install a new 138,000 gallon standpipe (storage tank). The existing asbestos cement pipeline has deteriorated and the leaking line has become a health issue. This will also correct low water pressure in the southwest section of the City.	DC	\$996,830.00		Yes-BC	\$692,000.00	
146	13	11551	Point	M	TX1900004	1,908	Replace the system meters with AMR smart meters to improve detection of water loss.	PDC	\$429,700.00		Yes-CE	\$429,700.00	
147	13	11504	Harris Co MUD # 50	D	TX1010719	3,594	This project proposes to complete a detailed inspection of the Crosby-Lynchburg water plant as well as design and construct improvements to the Crosby-Lynchburg water plant, the St. Charles water plant, and increase the distribution system line size in two locations.	DC	\$3,484,033.00	30%			
148	13	11335	Flo Community WSC	W	TX1450015	4,739	12" & 8" Line upgrades to improve service from new Weedon well and plant.	C	\$459,200.00				
149	13	11607	Union WSC	W	TX2140004	5,292	Replacement and upgrades to existing water main distribution lines to address water and pressure losses. Installation of new main distribution lines and valves to improve water distribution efficiency and reduce water pressures deficiencies. Connection of existing residential and commercial water services to new water main distribution lines. Construction of a 250,000 gallon elevated storage tank. Finally, expansion of the existing water treatment plant from 1.5 MGD to 3.0 MGD.	PADC	\$5,610,915.00	50%	Yes-BC	\$650,000.00	
150	13	11609	Webb County	C	TX2400022	5,427	Rehabilitation of the water treatment plant and water distribution system.	PDC	\$8,535,625.50				
151	13	11500	Hondo	M	TX1630002	11,165	Our proposal is to replace/rehab two elevated storage tanks; rehab one ground storage tank and remove one ground storage tank.	PDC	\$4,525,000.00				

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Public Water System													
152	13	11671	East Rio Hondo WSC	W	TX0310096	18,996	Emergency funds requested to establish another delivery source from the Rio Grande River. The Cameron County Irrigation District #6 has an existing canal/resaca that is approximately 1/2 mile west of the ERHWSC's largest WTP. Project will include a raw water pump station and a 30-inch transmission line to the existing plant.	PDC	\$1,897,745.00	50%			
153	13	11577	Rio Grande City	M	TX2140018	19,731	Replace existing broken/malfunctioning water meters with 100% lead-free smart meters with built in leak detection. Install AMR system.	DC	\$3,558,630.00	30%	Yes-CE	\$3,558,330.00	
154	13	11391	Del Rio	M	TX2330001	38,710	Replacement and rehabilitation of the distribution line.	PDC	\$60,444,222.00			\$4,602,697.00	
155	12	11605	Twin Buttes Water System Inc.	P	TX2260026	44	Twin Buttes is developing an alternative water supply through the construction of an interconnection with San Angelo. Due to drought water production at their only water well is in decline and the system experiences periodic outages. They have supplemented water supply by trucking it in but this is costly and water quality is variable.	ADC	\$296,000.00		Yes-BC	\$100,000.00	
156	12	11510	Jefferson	M	TX1580001	1,935	Replace water lines and create an asset management plan to address the aged and degraded system.	PDC	\$3,583,080.00	30%	Yes-BC	\$3,558,080.00	
157	12	11507	Jefferson	M	TX1580001	1,935	Rehabilitate 3 storage tanks, install a pressure tank, mixer, and generator. Create an asset management plan to address degrading storage, lack of elevated storage in 2nd pressure plane, and the lack of water changeover in the standpipe.	PDC	\$1,593,000.00	30%	Yes-BC	\$1,150,000.00	
158	12	11452	West Tawakoni	M	TX1160012	3,600	The proposal consists of constructing new water intake structure into deeper water. Per PER, an approx. depth of 25 feet can be obtained by construction the new intake structure at the proposed location. Developing an asset management plan and purchasing or acquiring easement to property for construction of a new raw water pipeline.	PADC	\$1,489,022.00	50%			
159	12	11344	Atlanta	M	TX0340001	5,672	Install a new ground storage tank, rehabilitate another ground storage tank, rehabilitate both elevated storage tanks, install new water line with in-line meters, install new high speed pumps, and create an asset management plan.	PDC	\$2,752,800.00	30%	Yes-BC	\$578,088.00	

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Public Water System													
160	11	11518	Hico	M	TX0970002	1,379	Replacement of waterlines, deteriorated ground storage tank and aging water meters to address low water pressure issues.	PDC	\$3,031,785.00	50%	Yes-BC	\$3,100,000.00	
161	11	11581	Rio WSC	W	TX2140016	3,900	The proposed project will involve replacing the existing water meters with AMR water meter technology, cutting many costs for the corporation. With the new meters the corporation will be able to quickly identify waterline problems from the central metering program located at the City office. All monthly readings will be taken from the central programming center, therefore cutting the need to send out meter readers on a daily basis.	PDC	\$938,851.51	30%	Yes-CE	\$938,851.00	
162	11	11736	Willow Park	M	TX1840027	4,003	Replace existing waterlines in the project area with new PVC waterlines.	PDC	\$353,500.00		Yes-BC	\$353,500.00	
163	11	11712	Burnet	M	TX0270001	4,735	Distribution system improvements to address system pressure.	C	\$1,265,000.00	70%	Yes-Comb.	\$1,375,000.00	
164	11	11626	Weslaco	M	TX1080011	32,092	Replacement of existing 16" asbestos water line to reduce water loss.	PDC	\$498,355.00		Yes-BC	\$498,355.00	
165	11	11386	Mount Calm	M	TX1090005	324	The City of Mount Calm proposes to rehab their existing well and/or possibly drill a new groundwater well. Mount Calm is a member of FHLM WSC; an asset management plan would be developed for this water system.	PDC	\$650,000.00				
166	11	11345	Kellyville-Berea WSC	W	TX1580003	1,120	Construct new water well and associated infrastructure and develop asset management plan.	DC	\$580,300.00	30%			
167	11	11495	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.	DC	\$476,600.00	50%	Yes-BC	\$476,600.00	

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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													
168	11	11645	Falcon Rural WSC	W	TX2140003	2,500	Replacing the existing water meters with Automatic Meter Reading (AMR) technology, cutting many costs for the corporation. With the new meters the corporation will be able to quickly identify waterline problems from the central metering program located at the corporation office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis. P of an asset management plan will take place as well.	DC	\$854,830.00	30%	Yes-CE	\$854,829.00	
169	11	11729	West	M	TX1550009	2,695	Project to rehabilitate two existing water storage tanks, one elevated and one ground. If not already in place, this project will institute an asset management program.	PDC	\$471,500.00	30%			
170	11	11629	West Tawakoni	M	TX1160012	3,600	Rehab existing ground storage tank and North elevated storage tank to correct identified deficiencies. The project also includes increasing high service pump capacity to supply 20-year projected capacities; construct a new ground storage tank, and extend the water intake structure deeper into Lake Tawakoni.	PDC	\$1,575,075.00	50%			
171	11	11338	Agua SUD	D	TX1080022	4,026	Installation of 6" and 8" lines by regular trenching and excavation method or pipe bursting technique, whichever is deemed feasible based on the existing water lines.	PDC	\$1,065,000.00	30%			
172	11	11668	East Rio Hondo WSC	W	TX0310096	18,996	Installation of three 100 kW wind turbines and 45 solar power LED lights to offset the electrical demand for the water plants, and thirteen 1-kW hybrid green power sources to power the SCADA system and Automated Meter Reading (AMR) network. This system will increase the reliability and security of the water system.	PDC	\$7,273,968.00	50%	Yes-CE	\$7,220,101.00	
173	10	11732	Lakeview Water Coop	P	TX0610232	40	Replace temporary emergency tank with permanent AWWA approved tank and start planning for distribution system replacement.	PDC	\$95,500.00				
174	10	11556	Lass Water Company	P	TX1250033	95	Our proposal is to install needed well, ground storage tank and booster pump.	PC	\$195,000.00				
175	10	11669	Bluff Dale WSC	W	TX0720036	300	Installation of a second well that will allow the continual distribution of water.	PADC	\$301,020.00				

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Public Water System													
176	10	11571	Ralston Acres WSC	W	TX1010196	330	Update system and move mains from private backyards to the public streets.	PADC	\$1,490,000.00	70%	Yes-Comb.	\$925,000.00	
177	10	11717	Lee Co FWSD # 1	D	TX1440003	390	Construct a new ground storage tank to replace the existing standpipe including new pump station facilities.	PDC	\$725,000.00				
178	10	11494	Gustine	M	TX0470003	442	Replace ground storage tank.	PDC	\$257,000.00	30%			
179	10	11562	Kendleton	M	TX0790018	499	Water system line replacements, water line extensions to unserved areas and water meter replacement.	DC	\$1,039,900.00	30%	Yes-BC	\$30,000.00	
180	10	11563	Strawn	M	TX1820005	632	Emergency project to abandon the old existing WTP and connect to the City of Ranger's water supply.	PADC	\$1,580,000.00		Yes-BC	\$1,580,000.00	
181	10	11446	Graford	M	TX1820003	830	Replace existing old, deteriorated and leaking water lines.	PDC	\$430,000.00		Yes-BC	\$430,000.00	
182	10	11622	Lone Oak	M	TX1160006	900	Construction of new water plant and replacement of distribution lines.	PADC	\$1,500,000.00	50%	Yes-BC	\$150,000.00	
183	10	11719	Gordon	M	TX1820007	942	Installing a new microfilter at the existing water treatment plant, and replacing old and deteriorated water lines throughout the City which have caused numerous water leaks. The water treatment plant has exceeded 85% of production capacity and is required by TCEQ to add more production capacity, and significant water loss is due to deteriorated and leaking raw water lines and treated distribution water lines.	PDC	\$1,196,000.00		Yes-BC	\$359,000.00	
184	10	11330	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%			
185	10	11566	Knox City	M	TX1380002	1,014	Three public water supply wells and a transmission line will be constructed to blend well water with the purchased water from NCTMWA.	PDC	\$1,251,100.25				

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Public Water System													
186	10	11660	El Sauz WSC	W	TX2140028	1,110	The proposed project will involve replacing the existing water meters with automatic meter-reading technology, cutting many costs for the Corporation. With the new meters the Corporation will be able to quickly identify waterline problems from the central metering program located at the Corporation office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis.	DC	\$348,750.00	50%			
187	10	11356	Leroy-Tours-Gerald WSC	W	TX1550027	1,396	LTG WSC proposes to construct an innovative treatment system for arsenic removal from groundwater that involves oxidation, coagulation and filtration components. LTG WSC is a member of FHLM WSC; an asset management plan would be developed for this water system.	PDC	\$710,000.00		Yes-BC		
188	10	11576	La Villa	M	TX1080023	1,500	The proposed project will include pump replacement and upgrades. A new elevated tank is included in the project.	PADC	\$4,838,269.00	50%	Yes-BC	\$312,000.00	
189	10	11612	Siesta Shores WCID	D	TX2530004	1,700	Propose to repair all rust spots of standpipe and sandblast interior, coat and paint both interior and exterior. Upgrade any deficient regulations. Propose to replace ground storage tank with new tank next to existing one at plant and demolish old tank that has deteriorated. Includes bypass piping.	PDC	\$500,000.00	30%			
190	10	11453	Quitman	M	TX2500003	1,809	Our proposal consists of replacing existing treatment equipment and install additional treated water line from the water treatment plant.	PADC	\$10,200,203.00	50%	Yes-BC	\$105,000.00	
191	10	11699	Clarendon	M	TX0650001	1,974	Replacement of cast iron mains with PVC and construction of an elevated tank.	PDC	\$2,465,000.00				
192	10	11567	Ralls	M	TX0540003	2,250	Install/retrofit existing meters with automatic readers, as well as replace problematic (leaking) distribution lines.	PDC	\$586,396.00	30%	Yes-Comb.	\$586,396.00	
193	10	11646	George West	M	TX1490001	2,524	Replace undersized water lines to meet TCEQ regulations on the maximum number of connections allowed. Project also includes upgrades to the water treatment plant.	PDC	\$1,395,712.50	30%			

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Public Water System													
194	10	11621	Llano	M	TX1500001	3,232	The proposed project would provide an alternative source of groundwater from the Hickory aquifer (near the town of Valley Springs) to supplement the City's water needs, particularly during drought conditions when flow in the Llano River becomes drastically reduced.	PADC	\$10,868,500.00	50%			
195	10	11493	Harris Co MUD # 50	D	TX1010719	3,361	Design and construct a treated surface water line from Baytown Area Water Authority to the District, and related system improvements.	DC	\$8,470,693.00	50%			
196	10	11516	La Joya	M	TX1080213	3,944	Installation of 32,811 feet of 8" PVC pipe, an 8" gate valve, a 4" fire hydrant valve, and a 2" flush valve are needed to alleviate inadequate water pressure. Also an Advanced meter reading infrastructure (AMI) system with leak detection will be installed throughout the potable water distribution system.	PDC	\$3,102,413.50	30%	Yes-BC	\$988,848.00	
197	10	11523	La Joya	M	TX1080213	3,944	Expand water treatment plant to alleviate inadequate water treatment capacity, install a new SCADA system, and install green power infrastructure including two 100KW wind turbines and 11 solar LED lights. These units will provide cost savings and reduce the utility's carbon footprint. The SCADA system will combine health monitoring and automatic meter-reading equipment with advanced power systems monitoring, physical security, and network cyber security.	C	\$6,469,080.00	50%	Yes-BC	\$2,450,000.00	
198	10	11713	Willow Park	M	TX1840027	4,926	Replace existing old and deteriorated waterlines with larger, PVC waterlines. The water system is experiencing significant water loss and low pressures in the area of the West Oak Development.	PDC	\$684,000.00		Yes-BC	\$700,065.00	
199	10	11329	Cotulla	M	TX1420001	5,262	Repair/Rehabilitation of pump stations, addition of storage, new production wells and water line loops/extensions.	PDC	\$19,786,159.00	70%			
200	10	11674	Brady	M	TX1540001	5,324	Extend a 12-inch water main with an 8-inch branch main to loop-in water distribution system to the hospital for improving water capacity and pressure requirements.	ADC	\$804,600.00	30%	Yes-BC	\$4,000.00	
201	10	11503	Mathis	M	TX2050003	5,769	Replace two-inch water lines with looped eight-inch lines. The system currently exceeds the TCEQ standards for number of connections allowed on the two-inch lines resulting in low pressure for customers.	PDC	\$1,385,834.00	30%			

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Public Water System													
202	10	11506	Mathis	M	TX2050003	5,769	System improvements include replacing valves and chemical feed pumps, rehabilitating clarifiers and raw water piping, and filling in lagoons.	PDC	\$1,783,345.00	30%			
203	10	11432	Seymour	M	TX0120001	6,522	The City of Seymour proposes to install a high recovery recycle system on the concentrate and build an evaporation pond.	PDC	\$1,999,000.00	30%	Yes-CE	\$2,000,000.00	
204	10	11711	Central Bowie County WSC	W	TX0190024	7,512	Create a water line loop along FM 561. The system has difficulty maintaining chlorine residuals because of dead end lines.	C	\$88,000.00				
205	10	11370	Crockett	M	TX1130001	10,764	Proposed project will construct a new high service pump station, ground storage tank and elevated tank.	PADC	\$2,800,000.00	30%			
206	10	11429	El Campo	M	TX2410002	11,534	Our proposal consists of constructing an elevated water tower in northern part of the distribution system.	PADC	\$3,650,000.00				
207	10	11460	Graham	M	TX2520001	15,115	Our proposal is to increase plant storage capacity from 1 mg to 2 mg.	PDC	\$1,930,500.00				
208	10	11670	East Rio Hondo WSC	W	TX0310096	18,996	Emergency funding to increase the flow of water between the east and west portions of the distribution system through installation of a new 16-inch PVC trunkline. ERHWSC is currently pursuing construction of a second well at the North Cameron Regional Water Plant to double current plant capacity. This new distribution trunkline would allow full utilization of that additional capacity.	PDC	\$1,069,288.00	50%			
209	10	11687	Rio Grande City	M	TX2140018	25,023	Construct a new .5 MG elevated storage tank to add additional storage capacity to the system and replace the existing eroded tank.	PDC	\$1,619,640.00				
210	10	11587	San Benito	M	TX0310007	26,000	Water System Improvements.	ADC	\$5,090,412.00	30%			
211	10	11593	San Juan	M	TX1080010	30,000	Rehabilitate and upgrade existing plant to current standards.	PDC	\$3,435,000.00	30%			

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Public Water System													
212	10	11680	San Juan	M	TX1080010	34,872	Elevate pre-treatment basin bottom to higher level to bring the basin bottom out of the existing ground water level and replace existing synthetic liner with an earthen type constructed liner. Mixture of ground and surface water is causing disinfection and treatment difficulties.	PADC	\$6,585,000.00	30%			
213	10	11725	Greater Texoma UA	D	TX0910006	43,199	Project necessary to allow Sherman additional water storage to allow system maintenance.	PDC	\$3,471,883.00				
214	10	11681	Brownsville	M	TX0310001	172,437	The implementation of a third phase of leak detection and improvement projects in conjunction with the replacement of aging water meters. Specific project elements include conducting leak detection and improvements over 656 miles of the service area and the replacement of 9,714 water meters that were installed between 2003 and 2005 as part of the BPUB's maintenance program aimed at reducing overall municipal water demand.	C	\$1,811,668.00		Yes-Comb.	\$1,881,677.92	
215	9	11683	Brownsville	M	TX0310001	172,437	This project consists of the installation of a 24" waterline, along Hwy 77 that will loop existing water infrastructure in order to increase pressures and flows to the distribution lines in the northern areas of Brownsville. Due to the constant growth in areas of the northern part of the City of Brownsville, several areas need to be looped in order to increase pressure.	ADC	\$1,079,523.00				
216	8	11631	Wiedefeld Water Works	P	TX1630038	108	Drill new well into the Trinity Aquifer.	DC	\$350,000.00				
217	7	11529	North Alamo WSC	W	TX1080029	155,704	Construction of a deep water well that can supply up to 1 million gallons per day is needed to supplement our dwindling supply of water due to growth and drought conditions.	PADC	\$1,320,575.00				
218	6	11325	Corix Utilities	P	TX1500008	350	Corix proposes to replace the existing raw water intake structure with new barge/raw water intake, as well as replacing the ground storage tank with a new 68,000 gallon ground storage tank. In addition, 4-in and 6-in ductile iron discharge pipelines from the WTP will be replaced to reduce the high water loss. Corix also plans to develop an asset management plan for this regional system.	PADC	\$460,000.00		Yes-BC	\$147,200.00	

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Public Water System													
219	6	11487	Harris Co FWSD # 47	D	TX1010260	2,434	Replace old waterline with Class 150 C-900 PVC utilizing the most cost efficient construction method considering open-trench replacement and horizontal directional drilling. Installing a automatic water metering system will also help the District identify leaks more readily, increasing water efficiency.	PDC	\$5,581,670.00		Yes-BC	\$5,581,670.00	
220	6	11532	Houston	M	TX1010013	2,099,000	Install automatic meter reading devices to lower personnel and fuel costs and emissions.	C	\$715,000.00		Yes-BC	\$715,000.00	
221	6	11533	Houston	M	TX1010013	2,099,000	Replace water meters that have exceeded their useful life.	C	\$3,300,000.00		Yes-BC	\$3,300,000.00	
222	6	11534	Houston	M	TX1010013	2,099,000	Evaluate electrical systems & install redundant electrical power. Rehab or replace distribution pumps, motors, valves and piping at various facilities. Make improvements as necessary at Re-Pump Stations in order to provide efficient and reliable water service. Ground Water Facilities and Re-Pump Stations have electrical, pumping, and piping deficiencies, which are causing the system to be inefficient and unreliable.	C	\$8,800,000.00				
223	6	11536	Houston	M	TX1010013	2,099,000	Evaluate electrical systems & correct necessary deficiencies. Rehab or replace distribution pumps, motors, valves and piping at various facilities. Make improvements as necessary at Pump Stations in order to provide efficient and reliable water service. Pump Stations have electrical, pumping, and piping deficiencies, which are causing the system to be inefficient and unreliable.	C	\$5,500,000.00				
224	5	11206	McAllen	M	TX1080006	141,060	Produce 6 MGD water source using geothermal energy/pressure to provide an alternative water source.	PADC	\$16,430,000.00		Yes-Comb.	\$16,430,000.00	
225	5	11372	Lass Water Company	P	TX1013143	27	Install pressure tank and replace well to resolve system deficiencies.	PC	\$54,000.00				
226	5	11559	Lass Water Company	P	TX1013097	27	Our proposal is to install water pressure tank and replace well.	PC	\$54,000.00				

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Public Water System													
227	5	11643	Evant	M	TX0500015	390	In order to address TCEQ Agreed Order and meet minimum TCEQ standards, the city must replace antiquated and leaking water distribution pipeline to eliminate severe water loss and lack of pressure. The City will install 560 LF of 6-inch and 1575 LF of 8-inch water pipeline.	DC	\$200,000.00		Yes-BC	\$200,000.00	
228	5	11531	North Alamo WSC	W	TX1080029	155,704	Replacement and upgrades to existing water main to address water and pressure losses and to improve water distribution efficiency. Install a new 250,000 gallons elevated storage tank, and connect existing residential and commercial water services to new water main distribution lines.	PADC	\$3,954,500.00		Yes-BC	\$2,886,800.00	
229	5	11535	North Alamo WSC	W	TX1080029	155,704	Construction of a new 1 million gallon elevated storage tank is needed to meet TCEQ capacity requirements.	PADC	\$3,059,360.00				
230	5	11419	Raywood WSC	W	TX1460006	1,455	Our proposal consists of a new water well, new ground storage tank, new yard piping, electrical and generator and new automatic read meters.	PDC	\$2,039,762.00		Yes-CE	\$135,000.00	
231	4	11558	Johnson City	M	TX0160001	2,080	The proposed project for Johnson City involves constructing a waste water reuse system to provide irrigation water for the City's park and baseball field located in close proximity to the City's WWTP.	PDC	\$310,000.00		Yes-BC	\$225,000.00	
232	4	11508	Harris Co MUD # 148	D	TX1010938	3,141	Replacement of aged, deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PDC	\$805,000.00		Yes-BC	\$966,000.00	
233	4	11641	Eules	M	TX2200031	51,200	The project will extend the existing City of Eules Reclaimed Water System, which currently serves a golf course and athletic fields. An expansion of the reclaimed water system will serve apartment complexes and developments along Bear Creek Parkway. Phase 1 of the expansion is currently under construction. This project would fund Phase 2 of the expansion.	PADC	\$3,198,000.00		Yes-CE	\$2,502,000.00	
234	4	11441	Valley Mills	M	TX0180003	1,203	This project will implement an automated meter reading system (AMR) and replace water distribution lines.	PDC	\$936,000.00		Yes-CE	\$425,000.00	

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Public Water System													
235	4	11439	Thorndale	M	TX1660003	1,637	In order to secure additional water supplies, the City proposes to drill a new 250 GPM well in the Carrizo-Wilcox aquifer, construct a 150,000 gallon ground storage tank, 6-in raw water line, filter/aeration treatment plant, 8-in transmission line, pump station and telemetry. The City also plans to develop an asset management plan for this new groundwater system.	PADC	\$5,705,000.00				
236	4	11655	Grand Saline	M	TX2340003	3,028	This project will reduce water loss by replacing old, malfunctioning water meters with new automatic meter reading system.	PDC	\$470,000.00		Yes-CE	\$470,000.00	
237	4	11357	Brookesmith SUD	D	TX0250004	12,697	Replacement of old water lines.	PDC	\$2,531,000.00		Yes-BC	\$2,531,000.00	
238	4	11342	Alice	M	TX1250001	21,248	Our proposal is to repair/rehabilitate the 20" raw water, 22.5 mile transmission main by slip lining.	PAD	\$414,000.00		Yes-BC	\$414,000.00	
239	3	11442	Fayetteville	M	TX0750001	442	This project includes installation of a new water well and development & adoption of an asset management plan.	DC	\$368,500.00				
240	3	11524	Moore WSC	W	TX0820012	717	The Moore WSC proposes to conduct a leak detection study to identify any major leaks, an elevated storage tank to provide proper pressures to all residents, automatic meter readers, and replacement of small lines in order to provide additional services.	PDC	\$2,123,345.00		Yes-BC	\$160,800.00	
241	3	11382	Lilbert-Looneyville WSC	W	TX1740013	750	New well, 30,000 gal. GST, pressure tank, and asset management plan to increase water supply and pressure.	PADC	\$969,314.00		Yes-BC	\$175,000.00	
242	3	11369	Craft-Turney WSC	W	TX0370016	3,595	New well and treatment plant, ground storage tank, pressure tank, water lines, and asset management plan to address insufficient water supply, storage, pressure, and system looping.	PADC	\$2,002,560.00				
243	3	11377	D & M WSC	W	TX1740010	4,752	Install new well, high service pump station, a pressure tank, and ground storage tank to alleviate insufficient water and storage capacity. This project will also design and implement an Asset Management Plan.	PDC	\$1,389,764.00				
244	3	11381	D & M WSC	W	TX1740010	4,752	Install new well and pumps, and rehabilitate the existing well and ground storage tank to alleviate insufficient water and storage capacity and low water pressure.	PDC	\$1,145,750.00		Yes-BC	\$50,000.00	

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Public Water System													
245	3	11328	Coryell City WSD	D	TX0500013	5,408	The proposed project would replace key undersized and water waterlines with advanced age with the primary goal of reducing unaccounted for water loss. An asset management plant will be produced as part of the project.	PDC	\$2,000,000.00				
246	3	11538	Houston	M	TX1010013	2,099,000	Rehabilitate existing tanks, including replacement of cone roof, roof rafters, interior columns and supports with prefabricated aluminum dome roof structure. Install new appurtenances. Apply protective coating. Install new tank as necessary. Water storage tanks are in deteriorated condition.	C	\$8,800,000.00				
247	3	11541	Houston	M	TX1010013	2,099,000	Rehabilitate ground water wells. Ground water wells are experiencing decreased production capacity.	C	\$6,600,000.00				
248	3	11543	Houston	M	TX1010013	2,099,000	Drill a replacement ground water well within the same easement area. Ground water wells have reached the end of their useful life and are unable to be rehabilitated further.	C	\$8,250,000.00				
249	3	11545	Houston	M	TX1010013	2,099,000	Add thickened sludge holding tank for Plant 1 & 2. Install sludge collection system for surge basin. Separate Plant 1 & 2 thickened sludge flow from Plant 3 unthickened flow to increase sludge percentage into sludge dewatering facilities. Increase volume for surge basin backwash. Sludge thickening is inefficient and filtration operations are unreliable. Polymer dosage for dewatering process is high.	C	\$12,650,000.00				
250	3	11547	Houston	M	TX1010013	2,099,000	Install bulk storage tanks for lime, caustic, aluminum sulfate, powder activated carbon & ammonia. Rehab chemical feed system. Modify chemical loading & unloading areas. Chemical storage capacity is inadequate and unreliable at East Water Purification Plant No. 1.	C	\$9,735,000.00				
251	3	11550	Houston	M	TX1010013	2,099,000	Rehab or replace switchgears at East Water Purification Plant No. 3. Switchgears at East Water Purification Plant No. 3 are old and near failure. This is a critical component for the safe operation of the plant.	C	\$8,250,000.00				
252	3	11584	Royal Oaks Apartments	P	TX0860080	45	Connection with the City of Fredericksburg, which is one mile away, to address nitrate issue.	PADC	\$45,500.00				

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Public Water System													
253	3	11319	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				
254	3	11371	Lass Water Company	P	TX1160097	93	Install water pressure tank and replace well to resolve system deficiencies.	PC	\$120,000.00				
255	3	11542	Lass Water Company	P	TX0610016	110	Our project is to install a well, ground storage tank and booster pump.	PC	\$97,500.00				
256	3	11573	Lass Water Company	P	TX1011459	111	Our proposal is to install a needed pressure tank.	PC	\$23,000.00				
257	3	11334	Fayetteville	M	TX0750001	258	Replace the existing 60,000 gallon ground storage tank with an 80,000 gallon ground storage tank.	DC	\$200,000.00				
258	3	11522	Midway	M	TX1570003	300	Construct and install filters.	PDC	\$297,000.00				
259	3	11449	Parker County SUD	D	TX1840025	370	This proposal is for material costs for 0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PADC	\$250,000.00		Yes-BC	\$250,000.00	
260	3	11512	Kosse	M	TX1470003	500	Drill two wells, construct a water plant, pressure/pumping facilities, and storage facilities, and distribution lines to remove dependency from WSC. The City purchases water from Tri-CountyWSC which contains arsenic.	PADC	\$2,476,000.00				
261	3	11499	Matador	M	TX1730001	740	Replacement of deteriorated water transmission and distribution lines.	PDC	\$730,000.00		Yes-BC	\$500,000.00	
262	3	11376	Midway ISD	D	TX0390020	981	Midway ISD will replace their water tank, renovated the main pump station and drill another well to increase water production. The main water lines will also be replaced as well as necessary connections, valves and service reconnections.	DC	\$200,540.00				
263	3	11477	Greater Texoma UA	D	TX0910008	1,045	Our proposal consists of construction of a water well, ground storage water tank, high service pumps, and transmission pipeline.	PADC	\$1,251,834.00				
264	3	11435	Etoile WSC	W	TX1740011	1,301	Filter out organics reacting with chlorine to keep disinfection byproducts to a minimum and reduce the amount of water needed to waste (ABOUT 50%-70%).	PADC	\$3,127,505.00				

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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													
265	3	11505	Royalwood MUD	D	TX1010201	1,982	Replace old ground storage tanks with new tanks (same capacity). Upgrade motor control centers at both water plants to ensure pumps continue to operate without interruption for lack of compatible parts. Upgrade control build-ins to prevent degradation of new controls. Replace old chlorinator and chlorine buildings. Install generators at both water plants to ensure continuous operation under power failure without having to open emergency interconnect. Upgrade access to site for emergencies.	PDC	\$1,461,850.00		Yes-BC	\$375,695.00	
266	3	11398	North Runnels Co WSC	W	TX2000005	2,256	Our proposal consists of replacing meters with AMR system.	PDC	\$500,000.00		Yes-CE	\$460,000.00	
267	3	11368	Craft-Turney WSC	W	TX0370016	3,595	Install new automatic meter-reading system and develop asset management plan.	PDC	\$1,261,000.00		Yes-BC	\$968,000.00	
268	3	11489	Groesbeck	M	TX1470002	4,296	Acquire an off channel rock quarry to use as an additional water source. The City will construct a new pump station and pipeline in order to transmit the water from the quarry to Lake Groesbeck. Will also complete an asset management plan.	PADC	\$10,252,000.00				
269	3	11331	Crystal City	M	TX2540001	7,258	Proposed project consists of Water Facilities Planning in an effort to obtain quantifiable information on existing water loss in an effort to develop a comprehensive and systematic approach in generating a Capital Improvements plan for water loss reduction. Proposed planning endeavors include engineering and topographic surveys of the system, water and energy audits, leak detection study, hydraulic analysis and water use efficiency baseline study. City is currently in queue with TCEQ for FMT.	P	\$231,821.20		Yes-BC	\$226,720.00	
270	3	11537	North Alamo WSC	W	TX1080029	155,704	Emergency project to provide water through new distribution lines to the towns of San Perlita, La Sara, Port Mansfield and the areas surrounding Raymondville which currently have pressure deficiencies. This will also alleviate water pressure issues currently experienced by these systems.	PADC	\$793,944.00				
271	2	11336	Forsan	M	TX1140011	210	The City proposes to replacement the existing EST with a new up-to-date tank that is fully compliant with all regulatory requirements.	PDC	\$700,000.00				
272	2	11459	Greater Texoma UA	D	TX0910001	1,400	Our proposal consists of drilling a new 300 gpm "Paluxy" formation replacement well.	PADC	\$1,207,824.00				

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Public Water System													
273	2	11620	Springtown	M	TX1840003	2,650	Project includes the following: relocate the backwash recycle point ahead of the pretreatment bypass connection and polymer injection; optimize the Trident Filtration System; install isolation valves on the recycle pump station on the influent lines at the backwash ponds; install a decant weir and pump station at the sludge holding pond; install a sludge dewatering device to remove settled solids; install a solids transfer pump station; miscellaneous improvements to the chlorination system; and miscellaneous yard piping associated with the new sludge dewater system, transfer pumps, and chemical feed system.	PDC	\$2,188,551.00				
274	2	11466	Greater Texoma UA	D	TX0490016	2,670	Drill a supplemental well.	PDC	\$1,188,265.00				
275	2	11467	Greater Texoma UA	D	TX0910009	3,046	Replacement of water lines.	PDC	\$1,080,685.00		Yes-BC	\$1,080,685.00	
276	2	11672	Borger	M	TX1170001	14,203	Augment existing primary well field into adjacent water rights area owned by City to increase production capacity and dilute water produced by the wells having high chlorides. Increased production will allow the system to operate below the 85% threshold required by TCEQ.	PADC	\$35,596,300.00				
277	2	11637	Alice	M	TX1250001	19,744	This project would add 19 wells along the course of the 20" raw water transmission main and would add approximately 25.36 acre- feet of water/day or 9,257 acre- feet per year to the City's potable water. With the drought the past two years and with increased commercial and industrial development, it is increasingly important to provide additional resources to the City's potable water. This project implements recommended water management strategies in the 2012 State Water Plan.	PAD	\$4,694,138.00				
278	2	11627	Weslaco	M	TX1080011	32,092	A new well to supplement existing system to address potential drought issues.	PDC	\$3,785,000.00		Yes-CE	\$300,000.00	
279	2	11469	Greater Texoma UA	D	TX0910006	43,199	Our proposal is to expand and upgrade water treatment plant to address additional surface water supply with facilities to serve multiple customers.	PDC	\$26,069,878.00				

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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														
280	2	11696	Central Texas WSC	W	TX0140161	51,000	Install 49,500 L.F. of water line following Hwy. 95 from Granger to existing line. Install 86,000 L.F. of water line following F.M. Hwy 2095 and Hwy 190 from a new water well near Hanover west to an existing water line. Install pump station and 200,000 gallon ground storage tank at well site, 200,000 gallon ground storage tank at existing water line site in Pettibone. Install pump station at existing site in Pettibone to pump water to Buckholts and Rogers. Recondition existing water well in Buckholts, provide R.O treatment plant and pump station to pump water to Rogers. Install 85,000 L.F. water line from Cameron, extending along Hwy 77 north to existing water line in Rosebud. Water well in Trinity Aquifer and water line to connect to existing. Another water well in Trinity Aquifer to Doc L. Curb water treatment plant.	PADC	\$24,825,000.00					
281	2	11586	Laredo	M	TX2400001	199,715	This project will help to reduce the number of water line breaks; decrease the possibility of contamination of the water distribution system; reduce the amount of unaccounted water losses; lowers the amount of water used per capita per day; and decrease the peak and average flows of the water treatment plants.	C	\$5,465,000.00		Yes-BC	\$5,455,000.00		
282	2	11662	El Paso PSB	M	TX0710002	631,253	The proposed expansion will increase treatment capacity from 60 to 80 mgd allowing El Paso Water Utilities to divert and treat additional surface water from the Rio Grande Project when available (typically during the irrigation season). Optimizing their existing water rights increases the the utility's diversified water supply portfolio through expanded conjunctive management of various water supply sources.	ADC	\$98,623,609.00		Yes-BC	\$16,913,038.00		
283	1	11630	Westbound WSC	W	TX0670027	2,342	Install a water softener at the existing well field and develop four wells in a proposed new well field.	PDC	\$2,000,000.00					
284	1	11315	Bedford	M	TX2200003	50,000	The City of Bedford, Texas would like to undertake the "Water Distribution System Conservation Program" to reduce water lost through leaks and pipe breaks by replacing 150 miles of pipe, as well as replacing inaccurate and old water meters.	C	\$90,000,000.00		Yes-BC	\$90,000,000.00		
285	1	11555	Jarrell	M	TX2460169	10	DWSRF funds will allow the City of Jarrell to purchase a water system.	PA	\$2,150,000.00					

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Public Water System													
286	1	11705	Cranfills Gap	M	TX0180013	356	Replace broken and/or malfunctioning water meters within the CCN to prevent water loss and to ensure the safety and well being of customers. This will also result in water efficiency. The City intends to prepare their Asset Management plan with assistance from TCEQ's Financial, Managerial, & Technical contractor.	DC	\$164,600.00		Yes-BC	\$164,600.00	
287	1	11689	Brushy Creek MUD	D	TX2460050	582	Complete replacement of the existing interior system. Replacement of the branch transmission line that connects Brushy Bend Park to the source of treated water. Includes construction of a new transmission main for service reliability and creation of an asset management plan.	C	\$2,400,000.00		Yes-BC	\$2,400,000.00	
288	1	11416	Pure WSC	W	TX1550039	707	Pure WSC proposes to rehab their existing well and/or possibly drill a new groundwater well. Pure WSC is a member of FHLM WSC. An asset management plan would be developed for this water system.	PDC	\$650,000.00				
289	1	11373	Cushing	M	TX1740001	712	New 100,000 gallon elevated storage tank and pump station are needed to replace aging infrastructure that is in poor condition. An asset management plan will also be designed and implemented to coordinate future infrastructure needs.	PADC	\$1,341,430.00		Yes-BC	\$300,000.00	
290	1	11375	Lilbert-Looneyville WSC	W	TX1740013	750	Install new water lines to replace deteriorating lines, line looping, and establish an asset management plan to address system deficiencies.	PADC	\$985,608.85				
291	1	11378	Lilbert-Looneyville WSC	W	TX1740013	750	Install 6-inch lines system-wide and an asset management plan to address system deficiencies & provide looping.	PADC	\$1,004,782.92				
292	1	11318	Blooming Grove	M	TX1750001	821	Construct new water well & associated infrastructure, erect new ground storage tank and develop an asset management plan.	PADC	\$1,144,570.00				
293	1	11367	Cottonwood Shores	M	TX0270013	1,127	Upgrade existing 0.5 MGD water treatment plant to 1.0 MGD. Add high service pumps and upgrade raw water pumps and automatic controls at Quarry Site. The City will complete an asset management plan as part of the proposed project.	PDC	\$3,817,000.00		Yes-BC	\$75,000.00	

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Public Water System													
294	1	11595	Troy	M	TX0140037	2,217	Construct new water supply municipal well system. The project will also include the construction of the associated ground storage tanks, water pump station and water main installation as required to connect to the existing distribution system. This project also includes the preparation of an Asset Management Plan.	PDC	\$1,880,000.00		Yes-BC	\$250,000.00	
295	1	11693	Swift WSC	W	TX1740019	2,490	Our proposal is to install approximately 21,000 linear feet of new 6" PVC lines to replace aging and decaying asbestos cement pipe within system and prepare an asset management plan to coordinate future infrastructure needs.	PDC	\$594,976.73				
296	1	11421	Morgan's Point Resort	M	TX0140116	4,400	In our proposal, we plan to construct a new water supply municipal well field system. The project will also include the construction of the associated ground storage tanks, water pump station, disinfection/treatment and water main installation as required to connect to the existing distribution system. This project will also include the preparation of an asset management plan.	PDC	\$1,365,000.00		Yes-BC	\$200,000.00	
297	1	11263	Rusk	M	TX0370003	5,409	Install 16,250 LF of 10" water line, 18 Fire Hydrants, 6 Air Release Valves, 7 Gate Valves, and 3 Road Bores to address insufficient line sizing and design. Implement an Asset Management Plan to coordinate future infrastructure needs.	PADC	\$775,906.00				
298	1	11546	Orangefield WSC	W	TX1810186	6,172	The project would provide critical first time water service to approximately 500 low to moderate income families living within the area. This project also includes the preparation of an asset management plan. This project will alleviate the hazards faced by poorly designed water wells & septic tanks.	PDC	\$5,930,000.00				
299	1	11394	Marshall	M	TX1020002	23,399	Our proposal consists of installation of an automatic meter reading and leak detection system.	PADC	\$6,243,636.60		Yes-BC	\$4,292,520.00	
300	1	11395	Marshall	M	TX1020002	23,399	Our proposal consists of an extension of an 8-inch PVC water line to provide looping and address delivery deficiencies. Also to implement an asset management plan.	PADC	\$2,756,207.25				
301	0	11702	Country Hills Water System	P	TX1330102	60	Automatic Meter Reader installation for water monitoring and leak detection.	C	\$20,000.00				
302	0	11599	Lass Water Company	P	TX1250039	120	Install ground storage tank and booster pump to resolve system deficiencies.	PDC	\$54,000.00				

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Public Water System													
303	0	11553	Lass Water Company	P	TX0610016	165	Our proposal is to install water meters.	C	\$26,400.00				
304	0	11565	Kenedy County	C	TX1310001	250	The project includes installation of meters and rehabilitation of an elevated storage tank.	PDC	\$719,593.48				
305	0	11425	Mount Calm	M	TX1090005	320	Due to the fact the well needing repair is the only water source for the city. Our proposal is to construct a new well of equal depth and size to replace the existing city well. This will eliminate electrical issues and repair costs, and maintain well production during construction.	DC	\$1,937,500.00				
306	0	11412	Oakmont Saddle Mountain WSC	W	TX1930015	324	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 #4 was issued by TCEQ letter dated October 24, 2014	C	\$300,000.00				
307	0	11447	Palo Pinto WSC	W	TX1820004	347	The proposal consists of replacing existing distribution lines which cause significant water loss and water outages.	PDC	\$1,519,000.00		Yes-BC	\$1,469,000.00	
308	0	11498	Gustine	M	TX0470003	442	Rehabilitate existing 30,000 gallon storage tank.	PDC	\$142,000.00		Yes-BC	\$142,000.00	
309	0	11690	Buffalo Gap	M	TX2210003	648	Replace approximately 8,200 lf of water line and associated appurtenances.	DC	\$400,000.00				
310	0	11359	Lone Pine WSC	W	TX0010021	870	Expand and upgrade the distribution system allowing additional capacity and service to new customers.	PDC	\$464,000.00				
311	0	11363	Lone Pine WSC	W	TX0010021	870	Our project consists of increasing production capacity allowing additional capacity and service to new customers.	PADC	\$953,000.00				
312	0	11526	Munday	M	TX1380003	1,252	A public water supply well and a transmission line will be constructed to blend well water with the purchased water from NCTMWA.	PADC	\$460,000.00				
313	0	11364	Magnolia	M	TX1700020	1,547	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	\$5,896,500.00				
314	0	11464	Greater Texoma UA	D	TX0490016	1,906	Our proposal consists of replacing asbestos cement pipe with polyethylene pipe (2.2 miles).	PDC	\$11,418,091.00				

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Public Water System													
315	0	11431	Santo SUD	D	TX1820010	2,024	Our proposal consists of making an interconnect with Parker Co SUD to obtain treated water.	PADC	\$778,000.00				
316	0	11707	Daingerfield	M	TX1720001	2,359	Replace current meters with radio read meters and install electronic computer programming to process in-house.	PDC	\$851,103.00		Yes-BC	\$731,150.00	
317	0	11642	Anson	M	TX1270001	2,556	The city plans to re-pipe four clearwells with new piping and valves and provide a by-pass for redundancy which the system does not currently have. The city also plans to provide a building around the clarifier and filter structure. The City of Anson has four 100,000 gallon clearwells at their WTP. The piping and valves between them as well as one of the high service pump structures is over 40 years old. Secondly, the current clarifier and filter structure are exposed to blowing dirt and debris causing turbidity issues in the City's treatment process.	PDC	\$1,100,000.00				
318	0	11665	Edcouch	M	TX1080003	2,878	Replacing the existing water meters with Automatic Meter Reading (AMR) technology, cutting many costs for the City. With the new meters the City will be able to quickly identify water line problems from the central metering program located at the corporation office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis. Planning of an asset management plan will take place as well.	PDC	\$633,106.00		Yes-CE	\$633,106.00	
319	0	11640	Anahuac	M	TX0360001	2,880	Replace water lines and install fire hydrants.	PADC	\$616,965.00		Yes-BC	\$418,965.00	
320	0	11628	West Odessa WSC	W	tx0680215	3,000	The WSC is proposing to construct a 12" treated water transmission pipeline from Odessa. The WSC is also proposing to construct a distribution system with an elevated tank and a pump station. The Corporation has an unserved population that either hauls water or depends on shallow wells which have poor quality and low quantity.	PADC	\$10,500,000.00				
321	0	11473	Greater Texoma UA	D	TX0910009	3,046	Upgrade disinfection system.	PDC	\$156,479.00				

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Public Water System													
322	0	11515	Merkel	M	TX2210002	3,098	Construct a new 250,000 gallon elevated tank and demolish the old tank that currently has several TCEQ violations:290.43 (c)(B)-deterioration of interior and exterior coating; 290.43 (c) (2) inadequate diameter for roof hatch; 290.43 (c) (3)- Overflow pipe does not extend to the ground.	PDC	\$1,000,000.00				
323	0	11517	Haskell	M	TX1040001	3,141	Three public water supply wells and a transmission line will be constructed to blend well water with the purchased water from NCTMWA.	PADC	\$1,400,000.00				
324	0	11521	High Point WSC	W	TX1290016	4,000	The project consists of construction of a 750,000 gallon concrete storage tank at each site, and re-arranging the piping inside the pump buildings so that the pumps can be accessed for maintenance. Existing storage tanks will be demolished and removed. Piping on each site will be adjusted to account for the new storage tanks.	DC	\$2,984,000.00				
325	0	11708	Dilley	M	TX0820001	5,186	Install a new water well, treatment, ground storage, elevated storage, high service pumps, and pipelines to replace old well/pump and other deficiencies.	PADC	\$4,800,000.00				
326	0	11691	Canton	M	TX2340001	5,194	Treatment plant improvements include backup power and head pumps. A new transmission line is also needed to feed a new elevated storage tank.	PDC	\$1,805,000.00				
327	0	11511	Maxwell WSC	W	TX0280003	5,245	Replace old water meters with new Automatic Meter Reading (AMR) system and purchase leak detection equipment. The system is currently experiencing high water loss.	C	\$410,000.00		Yes-CE	\$410,000.00	
328	0	11625	Los Fresnos	M	TX0310004	5,391	Replace stairs on existing filters. Provide waterline looping improvements.	PADC	\$320,075.00				
329	0	11590	San Diego MUD # 1	D	TX0660003	5,600	Replace water lines with PVC C-900 pipe.	PDC	\$1,010,996.88				
330	0	11658	Elsa	M	TX1080005	6,000	Water treatment plant improvements, including chlorination, lagoon pumping/piping, and storage tank repair.	PDC	\$1,420,750.00		Yes-BC	\$47,000.00	

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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													
331	0	11514	Harris Co WCID # 89	D	TX1012370	6,666	The proposed project includes removal and replacement of the existing ground storage tank, rehabilitation of on-site hydropneumatic tanks, modifications and improvements to existing booster pump building, and rehabilitation of yard piping.	DC	\$1,130,000.00				
332	0	11572	La Grulla	M	TX2140006	6,693	The proposed project will involve replacing the existing water meters with automatic meter-reading technology, cutting many costs for the City. With the new meters the City will be able to quickly identify waterline problems from the central metering program located at the city office. All monthly readings will be taken from the central programming center therefore cutting the need to send out meter readers on a daily basis.	PDC	\$1,578,259.00		Yes-CE	\$1,578,259.00	
333	0	11440	Olmito WSC	W	TX0310026	7,000	Our proposal consists of constructing a new 300,000 elevated storage tank.	PADC	\$2,159,000.00				
334	0	11358	Brookesmith SUD	D	TX0250004	8,750	Purchase 3,045 radio read meters to be installed by the Owner. This will allow for less vehicle use and manpower and increased system efficiency through increased meter accuracy reducing water loss.	PDC	\$975,000.00		Yes-BC	\$975,000.00	
335	0	11604	Liberty	M	TX1460003	9,729	Well field rehabilitation including possible replacement of well, distribution pumps, and ground storage tank. The only two functioning wells are overworked and showing signs of loss.	PDC	\$1,447,300.00				
336	0	11613	Liberty	M	TX1460003	9,729	Construct a 150,000 gallon elevated storage tank to remedy low water pressure in the Northeast service area.	PADC	\$1,275,600.00				
337	0	11614	Liberty	M	TX1460003	9,729	Construct new well, ground storage tank, and pumps to supplement existing malfunctioning well that produces low quality water.	PDC	\$2,345,200.00				
338	0	11520	Midland County UD	D		16,834	The proposed project will create a utility district for the County of Midland, southeast of the City of Midland. The Midland County Utility District will provide first time adequate water services to residents in this area.	PDC	\$126,855,668.00				

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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													
339	0	11664	Beaumont	M	TX1230001	131,000	Extend a 36-inch diameter water transmission line from the Water Plant on Pine Street to the new 2 million gallon elevated storage tank on Dishman Road.	ADC	\$9,297,000.00				
340	0	11685	Brownsville	M	TX0310001	172,437	Construction of new water infrastructure, including main lines and metered service lines. As part of a negotiation with Military Highway Water Supply Corporation (MHWSC), BPUB will be adding water customers currently served by MHWSC from areas in Northwest Brownsville and along US HWY 281 in the Villanueva Colonia area.	DC	\$1,743,221.00				
341	0	11688	Brownsville	M	tx0310001	172,437	Update and replace filter media and underdrains. Replace surface wash system and update electrical systems to address excess turbidity and aging system.	DC	\$4,773,829.00				
342	0	11588	Laredo	M	TX2400001	199,715	24" waterline along IH-35.	C	\$3,356,418.00				
343	0	11591	Laredo	M	TX2400001	199,715	24" water transmission line along US-59.	C	\$2,958,079.00				
344	0	11594	Laredo	M	TX2400001	199,715	24" waterline west side of IH-35.	C	\$7,430,000.00				
345	0	11585	San Antonio Water System	M	TX0150018	1,596,714	Replacement of approximately 60,000 l.f. of 6-inch to 12-inch water main.	C	\$3,490,199.00		Yes-BC	\$3,490,199.00	
346	0	11430	San Antonio Water System	M	TX0150018	1,659,593	Our proposal consists of drilling new wells to increase production capacity. Phase 1 will drill two new wells.	C	\$7,003,500.00				
347	0	11677	San Antonio Water System	M	TX0150018	1,659,593	This project includes the replacement of electrical switchgear, replace the chlorine gas system with on-site sodium hypochlorite generation system, upgrade the fluoridation equipment, and replace valves and yard piping.	DC	\$13,960,730.00				

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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 Total		347							\$1,830,223,580.70	120	142	\$520,543,137.92	
Total		347							\$1,830,223,580.70	120	142	\$520,543,137.92	

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

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Rank	Points	PIF #	Entity	PWS ID	Population	Project Description	Eligible Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
Public Water System												
1	607	11418	Millersview-Doole WSC	TX0480015	3,579	Our proposal consists of treating well water at the source and blending with surface water.	PDC	\$578,000.00				
2	363	11324	Corix Utilities	TX0270014	348	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PAD	\$389,500.00		Yes-BC	\$1,007,657.00	
3	359	11484	Robert Lee	TX0410002	1,370	Our proposal consists of constructing a new well field, build line to neighboring community, upgrade existing WTP, reconstruct reservoir intakes, install automatic meter reading equipment and prepare an asset management plan.	C	\$9,575,400.00	70%	Yes-BC	\$225,000.00	
4	343	11390	North Central Texas MWA	TX1380009	10,167	Our proposal is to construct a nitrate removal water treatment plant, drill additional wells and construct supply line from wells.	PAD	\$750,000.00	30%			
5	288	11675	Bronte	TX0410001	977	Four new wells, raw water transmission lines, treatment plant expansion, finished water transmission lines and new standpipe.	C	\$6,698,960.00	30%	Yes-CE	\$576,000.00	
6	211	11352	Brady	TX1540001	5,508	Replacement of many miles of pipeline that is leaching combined radium back into treated water as it is distributed. Construction of a new elevated storage tank and lines to alleviate low pressure areas.	PADC	\$22,381,000.00	50%	Yes-BC	\$400,000.00	
7	209	11326	Corix Utilities	TX0270080	111	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PAD	\$256,500.00		Yes-BC	\$319,500.00	
8	181	11437	Stamford	TX1270003	3,071	The proposed project will include the construction of a new groundwater well system, groundwater treatment system and installation of new raw and finished water lines to eliminate leaks and reduce water loss. The project will also include replacement of the existing raw water pumps. Refer to Section III.	PDC	\$18,996,000.00	50%	Yes-BC	\$10,245,000.00	
9	165	11396	Menard	TX1640001	1,562	Our proposal consists of a new WTP, new wells and well rehabilitation.	C	\$5,075,000.00	50%	Yes-BC	\$225,000.00	

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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												
10	160	11332	East Rio Hondo WSC	TX0310096	26,825	ERHWSC will install a U/V disinfection system to obtain the 4-Log removal of cryptosporidium required by the TCEQ. ERHWSC will improve the restrictive section of waterline that connects the R/O WTP to the rest of the ERHWSC distribution system with a 16" PVC waterline to allow sufficient flow from the R/O WTP to the rest of the ERHWSC distribution system.	PADC	\$2,087,450.00	50%			
11	150	11694	Tahoka	TX1530002	2,673	Our proposal will replace 60,000 lf of waterline with HDPE or PVC pipe and construction of a 1.5 mg ground storage tank.	C	\$6,313,974.00				
12	143	11355	Leakey	TX1930002	1,050	Construct water well for Frio River Ranch Estates Colonia with a water transmission line from Frio River Ranch to the City of Leakey's water plant on Fourth Street, and return line to Frio River Ranch Estates Colonia.	ADC	\$385,000.00				
13	141	11648	Gorman	TX0670003	1,950	The City of Gorman is proposing to eliminate the old cast iron water line and replace it with PVC water lines. The City is also proposing to replace all of its service meters with new electronic read meters.	C	\$1,825,195.00	50%	Yes-BC	\$2,100,000.00	
14	133	11362	Cameron	TX1660001	5,552	Convert from surface water to groundwater by developing a new well field, constructing a ground storage tank at the new well field, constructing a raw water pump station and transmission line from new well field to existing ground storage tanks at existing high service pump station. Rehabilitate existing high service pump station and existing ground storage tanks.	C	\$15,000,000.00	50%	Yes-BC	\$940,000.00	
15	124	11327	Corix Utilities	TX0270041	267	Corix proposes to construct a regional surface water treatment plant (0.5 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. Corix also plans to develop an asset management plan for this regional system.	PAD	\$304,000.00		Yes-BC	\$786,500.00	
16	123	11316	Beeville	TX0130001	13,068	Expand and upgrade the existing pretreatment and disinfection systems at the WTP to improve system reliability and TOC reduction, helping the City to get back into compliance for TTHMs. (Refer to Section III for additional information)	PDC	\$3,006,000.00	30%			
17	111	11601	Lawn	TX2210005	927	Abandon WTP and construct new treated water supply; build taller standpipe; replace old and deteriorated water lines.	C	\$4,427,400.00	70%			

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Public Water System												
18	110	11448	Wellman	TX2230003	300	Our proposal consists of 2 options. Option 1 is to purchase water from the City of Brownfield and build a pump station and pipeline that will transport the water to the City's existing storage facility. Option 2 is to install a reverse osmosis facility to remove the constituents from the water.	PADC	\$1,901,455.00	70%			
19	86	11080	Aspermont	TX2170001	1,754	The City of Aspermont proposes to construct an RO Water Treatment Plant and develop additional well resources.	PDC	\$3,000,000.00	30%			
20	85	11618	Live Oak Hills Subdivision	TX1540012	60	Install a radium removal system with plumbing and a building to house it.	C	\$100,000.00				
21	85	11548	Paint Rock	TX0480012	280	Construct a new microfiltration water treatment plant to replace the current antiquated plant that has a failing roof, an inadequate electrical system, and a building that is in disrepair.	PD	\$364,000.00	70%			
22	82	11580	Lake Texoma VFW Post 7873	TX0910086	270	Radium removal from well water.	PADC	\$829,715.00				
23	79	11639	Anahuac	TX0360001	2,880	Rehabilitate the surface water treatment plant, construct a raw water holding pond, and replace cast iron water lines. The treatment plant is in poor condition and has been out of service since 2010; water lines were constructed in the late 1940s and 1950s. The City received a notice of enforcement in 2012 from TCEQ for trihalomethane violations.	PAD	\$0.00				
24	79	11360	Loop WSC	TX0830011	300	Our project consists of a proposed water treatment plant.	PD	\$170,000.00				
25	77	11540	North Runnels Co WSC	TX2000005	1,500	Install pump station, transmission, and distribution lines for purchased water from Bronte to reduce THM levels. Also, provide public water to 200 households around Oak Creek Reservoir.	PAD	\$908,219.97				
26	75	11320	Clyde	TX0300002	6,206	Pump water from Lake Fort Phantom Hill with 104,000 linear feet of water transmission pipeline. Rehabilitate intake and construct two pump stations. Rehabilitate surface water treatment plant.	PADC	\$12,000,000.00				
27	74	11343	Anthony	TX0710001	3,212	Upgrades to booster station, install arsenic treatment system, install chlorination control system, install new 250,000 gallon tank, rehab and/or replace lines, install new well and rehab existing one.	C	\$6,048,608.00	50%	Yes-BC	\$1,114,500.00	

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Public Water System												
28	71	11350	Baird	TX0300001	3,233	Replace the old water treatment plant with a new 1.0 MGD microfiltration or ultrafiltration water treatment plant. This plant will allow the city to meet TCEQ supply and treatment requirements and it will eliminate the current TCEQ violations. Also, replace the 50 year old cast iron raw water transmission line with a new PVC raw water line. The city has experienced significant water loss due to leaks in the old raw water line.	PDC	\$4,850,000.00				
29	70	11549	Plains	TX2510002	1,481	Provide precipitation treatment and activated alumina treatment to lower arsenic and floride levels.	D	\$250,000.00				
30	69	11606	Seymour	TX0120001	2,900	Construct additional water supply system from Miller Creek Reservoir water plant to correct insufficient supply, and construct evaporation ponds for reverse osmosis brine to reduce selenium discharge from plant.	PAD	\$760,000.00	30%			
31	67	11337	Fort Griffin SUD	TX2090005	2,740	Utilize the SUD's existing raw water allotment from the BRA construct a treatment plant and water lines for that purpose.	PADC	\$3,657,500.00		Yes-CE	\$500,000.00	
32	65	11603	San Saba	TX2060001	2,637	New 6" and 8" water mains are proposed to replace the dilapidated lines. Multiple existing 6" and 8" water mains located throughout the city need replacement. These lines are composed of cast iron which is over 70 years old. The lines are badly deteriorated causing frequent leakage and line breaks.	C	\$1,700,000.00	30%	Yes-BC	\$295,379.00	
33	64	11682	Smyer	TX1100010	480	Our project includes installing a fluoride water treatment system, a new water well, a water line from the new well, and re-coating the ground storage tank. Locating and installing a new water well with associated disinfection system and transmission line; Preparing the 100,000 gallon water storage tank and recoating the storage tank; Providing and installing a water treatment system to reduce the Fluoride levels in the water to below the MCL; Provide and install backup power connections to two water wells and the water pump station.	PADC	\$310,000.00				
34	63	11684	Strawn	TX1820005	487	Our proposal is to drill new wells in the Trinity Aquifer and install transmission lines as part of a regional supply solution.	PADC	\$2,345,000.00	30%			
35	59	11544	Opdyke West	TX1100030	169	Filtration system to remove arsenic and fluoride.	PDC	\$200,000.00				

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Public Water System												
36	58	11321	Coahoma	TX1140002	817	Replacement of aged cast iron distribution lines with new PVC water lines, rehabilitate the interior and exterior of the existing EST. The city is making temporary improvements for short term compliance, the application will make permanent improvements (disinfectant chemical dosing station).	PDC	\$1,128,000.00		Yes-BC	\$170,000.00	
37	55	11527	La Salle Landing WSC	TX1200008	93	Install Oxidation filter to concurrently remove iron and arsenic, install new main water line, install customer meters, install new service lines, install ground storage to allow backwash of filter, and create an asset management plan.	PDC	\$480,600.00				
38	54	11341	Joaquin	TX2100010	836	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	70%	Yes-CE	\$2,910,000.00	
39	51	11608	Upper Colorado RA	TX2000002	10,838	In order to use the existing raw water system, 6.5 miles of 36" pipeline requires replacement, a condition assessment will be made on 22 miles of 33" pipeline, raw water will have to be conveyed to the intake structure, and the raw water pump station requires rehabilitation. Originally constructed in 1968, the raw water supply system from E.V. Spence Reservoir to the City of San Angelo has been out of service for approximately 20 years due to numerous failures in the supply pipeline. This raw water source is required to meet water demands.	PD	\$2,350,000.00				
40	51	11401	Nueces County	TX1780050	138	Nueces County proposes to replace distribution lines throughout Cyndie Park II (served by CP2WSC) as well as construct additional new lines to connect Cyndie Park I residents. Nueces County will then construct upgrades to an existing water system (Nueces Water Supply, 4 miles away) and connect CP I and CP II to the new system.	AC	\$1,153,000.00		Yes-BC	\$50,000.00	
42	50	11656	Donna	TX1080002	15,000	New raw water pre-treatment basin will allow existing WTP to provide raw water for treatment when the local irrigation district has problems with pumping/canals & would provide pre-settlement of water prior to treatment. City is currently adding an inordinate amount of chemicals to settle raw water, causing the water to become extremely corrosive, subsequently causing plant mechanism deterioration. City is already spending an inordinate amount of money replacing clarifier mechanisms.	C	\$3,175,000.00	30%			
44	49	11718	Clyde	TX0300002	3,842	Construction of 104,000 lf of water pipeline and rehabilitation of the surface water treatment plant	C	\$7,550,000.00				10168

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Public Water System												
80	23	11635	Abilene	TX2210001	116,412	Implement trihalomethane precursor removal and stripping processes at the city's water treatment plant to lower TTHM in the finished water.	C	\$11,478,000.00				
98	21	11454	Graham	TX2520001	15,115	Our proposal consists of the installation of an additional transmission line from plant to distribution system and replace aging lines.	C	\$2,255,000.00				
102	20	11393	Dario V. Guerra, III, dba Derby Ing.	TX0820016	87	Our proposal is to install a new chlorine system and replace water storage tank.	C	\$140,000.00	50%	Yes-BC	\$10,000.00	
111	20	11450	Graham	TX2520001	17,756	Water transmission line from water treatment plant.	C	\$2,615,000.00				
131	13	11490	Mart	TX1550005	2,340	The City of Mart proposed to construct a pier to extend the existing intake structure (approx. 100-ft) in New Lake Mart along with upgrading the pump station to allow the City to draw water from less accessible portions of the lake during the drought.	C	\$418,000.00	30%			
134	13	11710	White River MWD		10,833	Our proposal consists of rehabilitation of 8 existing municipal water supply wells; construction of 10 new water supply wells; well field storage; construct emergency backup well; general plant rehabilitation; distribution system rehabilitation projects; wind turbine construction and reclaimed water project.	C	\$35,780,170.00	50%	Yes-BC	\$7,300,155.00	
138	13	11496	Hazy Hills WSC	TX2270091	219	Drill a new well to meet TCEQ pumping capacity requirements.	C	\$105,000.00				
140	13	11438	New Ulm WSC	TX0080014	355	This project includes the construction of a new ground storage tank, a new pressure tank, booster pumps, and the replacement of 2500 feet of asbestos distribution line.	C	\$408,160.00	70%			
145	13	11434	New Deal	TX1520015	794	Our proposal is to replace line with new 8-inch piping, and install a new 138,000 gallon standpipe (storage tank). The existing asbestos cement pipeline has deteriorated and the leaking line has become a health issue. This will also correct low water pressure in the southwest section of the City.	C	\$996,830.00		Yes-BC	\$692,000.00	
148	13	11335	Flo Community WSC	TX1450015	4,739	12" & 8" Line upgrades to improve service from new Weedon well and plant.	C	\$459,200.00				
151	13	11500	Hondo	TX1630002	11,165	Our proposal is to replace/rehab two elevated storage tanks; rehab one ground storage tank and remove one ground storage tank.	C	\$3,950,000.00				
163	11	11712	Burnet	TX0270001	4,735	Distribution system improvements to address system pressure.	C	\$1,265,000.00	70%	Yes-Comb.	\$1,375,000.00	
177	10	11717	Lee Co FWSD # 1	TX1440003	390	Construct a new ground storage tank to replace the existing standpipe including new pump station facilities.	C	\$725,000.00				

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Public Water System												
197	10	11523	La Joya	TX1080213	3,944	Expand water treatment plant to alleviate inadequate water treatment capacity, install a new SCADA system, and install green power infrastructure including two 100KW wind turbines and 11 solar LED lights. These units will provide cost savings and reduce the utility's carbon footprint. The SCADA system will combine health monitoring and automatic meter-reading equipment with advanced power systems monitoring, physical security, and network cyber security.	C	\$6,469,080.00	50%	Yes-BC	\$2,450,000.00	
204	10	11711	Central Bowie County WSC	TX0190024	7,512	Create a water line loop along FM 561. The system has difficulty maintaining chlorine residuals because of dead end lines.	C	\$88,000.00				
206	10	11429	El Campo	TX2410002	11,534	Our proposal consists of constructing an elevated water tower in northern part of the distribution system.	C	\$3,650,000.00				
212	10	11680	San Juan	TX1080010	34,872	Elevate pre-treatment basin bottom to higher level to bring the basin bottom out of the existing ground water level and replace existing synthetic liner with an earthen type constructed liner. Mixture of ground and surface water is causing disinfection and treatment difficulties.	C	\$6,585,000.00	30%			
214	10	11681	Brownsville	TX0310001	172,437	The implementation of a third phase of leak detection and improvement projects in conjunction with the replacement of aging water meters. Specific project elements include conducting leak detection and improvements over 656 miles of the service area and the replacement of 9,714 water meters that were installed between 2003 and 2005 as part of the BPUB's maintenance program aimed at reducing overall municipal water demand.	C	\$1,811,668.00		Yes-Comb.	\$1,881,677.92	
220	6	11532	Houston	TX1010013	2,099,000	Install automatic meter reading devices to lower personnel and fuel costs and emissions.	C	\$715,000.00		Yes-BC	\$715,000.00	
221	6	11533	Houston	TX1010013	2,099,000	Replace water meters that have exceeded their useful life.	C	\$3,300,000.00		Yes-BC	\$3,300,000.00	
222	6	11534	Houston	TX1010013	2,099,000	Evaluate electrical systems & install redundant electrical power. Rehab or replace distribution pumps, motors, valves and piping at various facilities. Make improvements as necessary at Re-Pump Stations in order to provide efficient and reliable water service. Ground Water Facilities and Re-Pump Stations have electrical, pumping, and piping deficiencies, which are causing the system to be inefficient and unreliable.	C	\$8,800,000.00				

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Public Water System												
223	6	11536	Houston	TX1010013	2,099,000	Evaluate electrical systems & correct necessary deficiencies. Rehab or replace distribution pumps, motors, valves and piping at various facilities. Make improvements as necessary at Pump Stations in order to provide efficient and reliable water service. Pump Stations have electrical, pumping, and piping deficiencies, which are causing the system to be inefficient and unreliable.	C	\$5,500,000.00				
233	4	11641	Eules	TX2200031	51,200	The project will extend the existing City of Eules Reclaimed Water System, which currently serves a golf course and athletic fields. An expansion of the reclaimed water system will serve apartment complexes and developments along Bear Creek Parkway. Phase 1 of the expansion is currently under construction. This project would fund Phase 2 of the expansion.	C	\$2,502,000.00		Yes-CE	\$2,502,000.00	
246	3	11538	Houston	TX1010013	2,099,000	Rehabilitate existing tanks, including replacement of cone roof, roof rafters, interior columns and supports with prefabricated aluminum dome roof structure. Install new appurtenances. Apply protective coating. Install new tank as necessary. Water storage tanks are in deteriorated condition.	C	\$8,800,000.00				
247	3	11541	Houston	TX1010013	2,099,000	Rehabilitate ground water wells. Ground water wells are experiencing decreased production capacity.	C	\$6,600,000.00				
248	3	11543	Houston	TX1010013	2,099,000	Drill a replacement ground water well within the same easement area. Ground water wells have reached the end of their useful life and are unable to be rehabilitated further.	C	\$8,250,000.00				
249	3	11545	Houston	TX1010013	2,099,000	Add thickened sludge holding tank for Plant 1 & 2. Install sludge collection system for surge basin. Separate Plant 1 & 2 thickened sludge flow from Plant 3 unthickened flow to increase sludge percentage into sludge dewatering facilities. Increase volume for surge basin backwash. Sludge thickening is inefficient and filtration operations are unreliable. Polymer dosage for dewatering process is high.	C	\$12,650,000.00				

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Public Water System												
250	3	11547	Houston	TX1010013	2,099,000	Install bulk storage tanks for lime, caustic, aluminum sulfate, powder activated carbon & ammonia. Rehab chemical feed system. Modify chemical loading & unloading areas. Chemical storage capacity is inadequate and unreliable at East Water Purification Plant No. 1.	C	\$9,735,000.00				
251	3	11550	Houston	TX1010013	2,099,000	Rehab or replace switchgears at East Water Purification Plant No. 3. Switchgears at East Water Purification Plant No. 3 are old and near failure. This is a critical component for the safe operation of the plant.	C	\$8,250,000.00				
260	3	11512	Kosse	TX1470003	500	Drill two wells, construct a water plant, pressure/pumping facilities, and storage facilities, and distribution lines to remove dependency from WSC. The City purchases water from Tri-CountyWSC which contains arsenic.	C	\$2,027,000.00				
281	2	11586	Laredo	TX2400001	199,715	This project will help to reduce the number of water line breaks; decrease the possibility of contamination of the water distribution system; reduce the amount of unaccounted water losses; lowers the amount of water used per capita per day; and decrease the peak and average flows of the water treatment plants.	C	\$5,465,000.00		Yes-BC	\$5,455,000.00	
284	1	11315	Bedford	TX2200003	50,000	The City of Bedford, Texas would like to undertake the "Water Distribution System Conservation Program" to reduce water lost through leaks and pipe breaks by replacing 150 miles of pipe, as well as replacing inaccurate and old water meters.	C	\$90,000,000.00		Yes-BC	\$90,000,000.00	
287	1	11689	Brushy Creek MUD	TX2460050	582	Complete replacement of the existing interior system. Replacement of the branch transmission line that connects Brushy Bend Park to the source of treated water. Includes construction of a new transmission main for service reliability and creation of an asset management plan.	C	\$2,400,000.00		Yes-BC	\$2,400,000.00	
301	0	11702	Country Hills Water System	TX1330102	60	Automatic Meter Reader installation for water monitoring and leak detection.	C	\$20,000.00				
303	0	11553	Lass Water Company	TX0610016	165	Our proposal is to install water meters.	C	\$26,400.00				
306	0	11412	Oakmont Saddle Mountain WSC	TX1930015	324	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 #4 was issued by TCEQ letter dated October 24, 2014	C	\$300,000.00				

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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													
327	0	11511	Maxwell WSC	TX0280003	5,245	Replace old water meters with new Automatic Meter Reading (AMR) system and purchase leak detection equipment. The system is currently experiencing high water loss.	C	\$410,000.00		Yes-CE	\$410,000.00		
342	0	11588	Laredo	TX2400001	199,715	24" waterline along IH-35.	C	\$3,356,418.00					
343	0	11591	Laredo	TX2400001	199,715	24" water transmission line along US-59.	C	\$2,958,079.00					
344	0	11594	Laredo	TX2400001	199,715	24" waterline west side of IH-35.	C	\$7,430,000.00					
345	0	11585	San Antonio Water System	TX0150018	1,596,714	Replacement of approximately 60,000 l.f. of 6-inch to 12-inch water main.	C	\$3,490,199.00		Yes-BC	\$3,490,199.00		
346	0	11430	San Antonio Water System	TX0150018	1,659,593	Our proposal consists of drilling new wells to increase production capacity. Phase 1 will drill two new wells.	C	\$7,003,500.00					
347	0	11677	San Antonio Water System	TX0150018	1,659,593	This project includes the replacement of electrical switchgear, replace the chlorine gas system with on-site sodium hypochlorite generation system, upgrade the fluoridation equipment, and replace valves and yard piping.	C	\$13,960,730.00					
Public Water System Total		85							\$449,338,910.97	27	0	\$143,845,567.92	
Total		85							\$449,338,910.97	27	0	\$143,845,567.92	

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											
2	363	11324	Corix Utilities	TX0270014	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.	PAD	\$389,500.00		Yes-BC	\$1,007,657.00	X
3	359	11484	Robert Lee	TX0410002	The City proposes to upgrade/replace their existing meters with automatic meter reading equipment. The proposed project includes equipment and software that helps identify leaks and water theft.	C	\$9,575,400.00	70%	Yes-BC	\$225,000.00	
5	288	11675	Bronte	TX0410001	Proposed project includes solar panels and wind turbine at treatment plant to increase energy efficiency.	C	\$6,698,960.00	30%	Yes-CE	\$576,000.00	
6	211	11352	Brady	TX1540001	The proposed project includes waterline replacement to assist in the reduction of overall system water loss.	PADC	\$22,381,000.00	50%	Yes-BC	\$400,000.00	
7	209	11326	Corix Utilities	TX0270080	The proposed project for the East Lake Buchanan area is captured under the 'total/integrated water resources management planning' category of green projects.	PAD	\$256,500.00		Yes-BC	\$319,500.00	X
8	181	11437	Stamford	TX1270003	Replacement of leaking water lines will reduce the City's water losses. Also, replacement of the existing raw water pumps and motors with NEMA premium efficiency equipment will reduce energy usage for the City's Raw Water PS.	PDC	\$18,996,000.00	50%	Yes-BC	\$10,245,000.00	X
9	165	11396	Menard	TX1640001	Proposed project includes Automatic Meter Readers and leak detection systems to assist in mitigating system water loss.	C	\$5,075,000.00	50%	Yes-BC	\$225,000.00	
13	141	11648	Gorman	TX0670003	Installation of Automatic Meter Readers, as well as replacement of old cast iron water pipes to PVC, to assist the water system in reducing water loss.	C	\$1,825,195.00	50%	Yes-BC	\$2,100,000.00	X
14	133	11362	Cameron	TX1660001	This project will increase water efficiency by reducing water loss through the replacement of valves, meters and deteriorated pipes.	C	\$15,000,000.00	50%	Yes-BC	\$940,000.00	
15	124	11327	Corix Utilities	TX0270041	The proposed project for the East Lake Buchanan area is captured under the 'total/integrated water resources management planning' category of green projects.	PAD	\$304,000.00		Yes-BC	\$786,500.00	X
27	74	11343	Anthony	TX0710001	Retrofitting 950 existing meters with automatic meter reading (AMR) devices to increase water efficiency.	C	\$6,048,608.00	50%	Yes-BC	\$1,114,500.00	
31	67	11337	Fort Griffin SUD	TX2090005	Replacing existing local read meters with radio read meters to increase water efficiency.	PADC	\$3,657,500.00		Yes-CE	\$500,000.00	
32	65	11603	San Saba	TX2060001	Replacement of water lines to reduce leaking and increase water efficiency in the overall system.	C	\$1,700,000.00	30%	Yes-BC	\$295,379.00	
36	58	11321	Coahoma	TX1140002	Water line replacement of aged, leak-prone cast iron water lines that have been identified by the City as experiencing the most frequent leaks and attributing to the most water loss within the system.	PDC	\$1,128,000.00		Yes-BC	\$170,000.00	

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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											
38	54	11341	Joaquin	TX2100010	Replacement of existing broken / malfunctioning water meters and replacement of aged / leaking water mains.	PDC	\$2,910,000.00	70%	Yes-CE	\$2,910,000.00	X
40	51	11401	Nueces County	TX1780050	A new water meter will enable Cyndie Park II WSC to assess the water loss and take preventative measures to reduce percentage of loss. New advanced water meters will be installed at each individual connection.	AC	\$1,153,000.00		Yes-BC	\$50,000.00	
102	20	11393	Dario V. Guerra, III, dba Derby Ing.	TX0820016	A new water meter will enable the utility to assess water loss.	C	\$140,000.00	50%	Yes-BC	\$10,000.00	
163	11	11712	Burnet	TX0270001	Installation of new water lines will address current water loss and address water system efficiency.	C	\$1,265,000.00	70%	Yes-Comb.	\$1,375,000.00	X
197	10	11523	La Joya	TX1080213	Two 100KW wind turbines and 11 solar LED lights to provide a Green Alternative power. These units will provide cost savings and reduce the utility's carbon footprint. The SCADA system will combine health monitoring of the proposed new Green Power and AMR equipment with advanced power systems monitoring, physical security, network cyber security.	C	\$6,469,080.00	50%	Yes-BC	\$2,450,000.00	X
214	10	11681	Brownsville	TX0310001	Proposed project will address water loss and leak detection through the installation of Automatic Meter Readers.	C	\$1,811,668.00		Yes-Comb.	\$1,881,677.92	X
220	6	11532	Houston	TX1010013	Automatic Meter Reading Program reduces fuel consumption and emissions. Air quality is improved as a result. Installation of automatic meter reading program will reduce fuel consumption and emissions resulting in increased air quality, as well as increased water efficiency.	C	\$715,000.00		Yes-BC	\$715,000.00	X
221	6	11533	Houston	TX1010013	Replacement of water meters reduces water losses and high usage.	C	\$3,300,000.00		Yes-BC	\$3,300,000.00	X
281	2	11586	Laredo	TX2400001	This project will increase water efficiency by reducing water losses through the replacement of deteriorated waterlines and repair of contingency water breaks.	C	\$5,465,000.00		Yes-BC	\$5,455,000.00	X
284	1	11315	Bedford	TX2200003	Water Conservation is considered a "Categorical Green Project".	C	\$90,000,000.00		Yes-BC	\$90,000,000.00	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												
287	1	11689	Brushy Creek MUD	TX2460050	This project will increase water efficiency by reducing water loss through the replacement of deteriorated waterlines.	C	\$2,400,000.00		Yes-BC	\$2,400,000.00	X	
327	0	11511	Maxwell WSC	TX0280003	Replace old water meters with new Automatic Meter Reading (AMR) system and purchase leak detection equipment. The system is currently experiencing high water loss.	C	\$410,000.00		Yes-CE	\$410,000.00	X	
345	0	11585	San Antonio Water System	TX0150018	Replacement of water main to assist in the reduction of water loss.	C	\$3,490,199.00		Yes-BC	\$3,490,199.00	X	
Public Water System Total		27						\$212,564,610.00	13	0	\$133,351,412.92	
Total		27						\$212,564,610.00	13	0	\$133,351,412.92	

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