Texas Water Development Board

STATE OF TEXAS

Intended Use Plan

Drinking Water State Revolving Fund

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

SFY 2014

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

Drinking Water State Revolving Fund

SFY 2014 Intended Use Plan

Amended: May 15, 2014

Cover Photo

Upper Left:	A Desert Storm
Upper Right:	Ground storage tank and pump station, Bolivar Peninsula SUD, Bolivar Beach
Lower Left:	Southmost Regional Water Authority's desalination plant, Brownsville
Lower Right:	Smith Springs, Guadalupe Mountains

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SFY 2014 Drinking Water State Revolving Fund
Intended Use Plan

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Executive Summary

The Texas Water Development Board (TWDB) is pleased to provide the state fiscal year 2014 Drinking Water State Revolving Fund (DWSRF) Intended Use Plan (IUP). TWDB's governing body approved the initial IUP on August 15, 2013. This amendment incorporates the transfer of DWSRF funds to the Clean Water State Revolving Fund, allocation of $1,500,000 from the FFY 2013 capitalization grant for Local Assistance set-aside activities, and the American Iron and Steel provisions.

General information is presented in the IUP about the overall program in Texas and the use of the $107 million dollars of funding available. The IUP describes how potential projects were solicited, rated, and ranked for funding opportunities. To ensure the funds are expended timely and statutory requirements are met, the IUP establishes reasons for bypassing projects on the ranking list. Detailed program information is provided in the various appendices. These include a list of projects in priority order, a list of invited projects, a list of invited green projects, a list of ineligible projects, and a list of projects that were determined to be not eligible for disadvantaged funding.

More entities than ever before have submitted a Project Information Form indicating interest in the program. The state fiscal year 2014 Project Priority List (PPL) includes 231 projects totaling $1,159,476,364. This total includes 74 projects totaling $396,611,197 that are considered eligible for disadvantaged community funding and 94 projects totaling $518,750,660 that have indicated they include potentially green project elements in the amount of $249,548,350. A few examples of green projects are those to replace water lines which have significant water loss, the purchase of automatic meter reading systems or solar power for a publicly-owned treatment plant. Utility-owned facilities can finance porous pavement, bioretention, green roofs, rainwater harvesting or xeriscaping of their landscape. Of the grant funds provided, an amount equal to 15% of the grant will be targeted to small communities with populations less than 10,000. The TWDB should have no difficulty meeting this goal as 70% of the projects for a total of $410 million fit into the small community category.

Over the years the Texas DWSRF has funded over $1.2 billion dollars of water projects. For state fiscal year 2014 the program is offering almost $9 million dollars in loan forgiveness for disadvantaged communities, $2 million dollars in loan forgiveness for very small systems, and another $663,258 as loan forgiveness for eligible green projects. This limited funding was offered on a first-come, first-served basis, with applications being opened starting at noon, central time (CT), on August 30, 2013. Projects listed on the Invited Project List were encouraged to begin working on their applications and to apply at any time after the IUP approval on August 15, 2013. Competition is strong for disadvantaged, very small systems, and green project loan forgiveness and funds for these projects are reserved once their applications are deemed administratively complete. A pre-application meeting to assist entities in understanding application and program requirements is a prerequisite for the submittal of the application. Provided there is still funding available, applications may be accepted until the SFY 2015 IUP is approved by the Board.

The TWDB's mission is to provide leadership, planning, financial assistance, information, and education for the conservation and responsible development of water for Texas. Through the implementation of this plan, that mission will be furthered.

I. Introduction

In 1996 Congress passed federal amendments to the Safe Drinking Water Act (SDWA) that established the DWSRF program administered by the TWDB. The program complies with section 1452 of the SDWA and 31 Texas Administrative Code (TAC) Chapter 371. The DWSRF is an important component of the state's efforts to protect public health and assist communities in maintaining compliance with drinking water requirements. The DWSRF program provides financial assistance to political subdivisions, including disadvantaged communities, and other eligible applicants to correct water system deficiencies, upgrade or replace water systems, and improve drinking water systems throughout the state. Helping to improve public health and maintain compliance with the requirements of the SDWA, the DWSRF program is an essential component of the State's efforts to protect and improve the quality of life of the citizens of Texas.

Texas received a $53,517,000 grant from funds appropriated by Congress for Federal Fiscal Year (FFY) 2013. The funds will be utilized in the 2014 State Fiscal Year (SFY). This funding continues the State of Texas's ongoing implementation of the DWSRF program and seeks to further maximize the program's resources. For as long as the DWSRF or the set-aside accounts are in operation, the state must annually prepare an IUP to describe how it plans to use the DWSRF to meet federal and state objectives. The IUP must describe the use of a state's capitalization grant, state match funds, principal and interest from loan repayments, other interest earnings of the DWSRF, bond proceeds, fees, funds designated for set-aside activities, funds transferred from or to the Clean Water State Revolving Fund (CWSRF) and any other monies deposited into the DWSRF. The IUP is the central component of our DWSRF grant application and communicates plans to stakeholders who include: public water systems, the public, Environmental Protection Agency (EPA), and other state agencies. The IUP provides specific details on key aspects of the program including the state's short- and long-term goals, the priority setting process used to rank projects and the list of projects eligible to receive funding from available DWSRF funding. The IUP establishes the criteria and method of distributing the DWSRF funds.

The TWDB is the financing agency for the DWSRF. The TWDB has a contractual relationship with the state's primacy agency, the Texas Commission on Environmental Quality (TCEQ), which provides activities such as rating of projects, state program management, small systems technical assistance, assessments for ground water sources, and capacity development. The TCEQ performs the priority rating for water system projects in accordance with 31 TAC §371.21.

In SFY 2014, both the TCEQ and TWDB will continue to focus on implementing the public health and compliance aspects of the SDWA. The TWDB will ensure that funds move expeditiously and responsibly from the time Texas is awarded the capitalization grant to the

time the funds are disbursed to projects. These coordinated efforts are instrumental in achieving the requirements of the SDWA. The TWDB and TCEQ work closely together with other state and federal agencies to identify opportunities for funding specific projects and to coordinate funding efforts.

The loan funds available for SFY 2014 comprises the federal 2013 capitalization grant of $53,517,000, plus the 20% state match of $10,703,400, less the set-aside amount of $10,062,720, plus repayments of loan funds for total Board-approved lending capacity of $107,000,000. Additional funds of approximately $43 Million that are projected to be available through unobligated previous grant funds, deobligation, or closure of previous loan commitments will be allotted to eligible projects. The TWDB received a grant for the $53,517,000 FFY 2013 DWSRF allotment from EPA dated August 16, 2013. The TWDB will comply with the requirements associated with the FFY 2013 allotment in SFY 2014. The TWDB projects that principal repayments of $29,975,150, interest payments of $9,660,336, and investment earnings on funds of $308,776 will be received during SFY 2014. Additional funds will be available from previous unobligated capitalization grants in SFY 2014. The investment earnings on funds in the sources and uses document represents interest earned on program proceeds as of February 28, 2013, as well as projected interest to be earned from March 1, 2013 through the end of SFY 2014. The TWDB will use $2,140,680 from the FFY 2013 grant to cover the administrative costs of the program.

Origination fees are collected on loans and they help to fund administrative costs of the program. Through SFY 2012, $18.7 million has been collected. The TWDB uses these fees, as necessary, to supplement the administrative funds drawn from the grant.

The program is required to offer both below-market interest rates and additional subsidy. To meet the additional subsidy requirement, TWDB has elected to offer loan forgiveness of 30%, 50% or 70% to eligible disadvantaged communities and 15% of the costs associated with eligible green projects. For example, when the subsidy is applied to a disadvantaged community receiving a $1 million dollar loan, the TWDB will forgive principal of either $300,000 or $500,000 or $700,000 and associated interest. Throughout the IUP this loan forgiveness may be referred to as Additional Subsidy, Subsidized Green Funding or Disadvantaged Community Funding. The TWDB plans to use $9.0 million of the additional subsidy requirement of the capitalization grant for the disadvantaged community loan program, $2 million for very small systems, and another $663,258 to encourage green infrastructure.

Invited applications were opened beginning on August 30, 2013, at 12:00 PM, CT, following approval of the IUP. Provided there is still funding available, applications will be accepted until the SFY 2015 IUP is approved by the Board.

II. Public Participation

Public participation is an important and required component of the IUP development process. The TWDB takes seriously its responsibility to administer these funds and considers public input necessary and beneficial. Input is encouraged as outlined below.

A. Notice

To seek public comment on the proposed uses of funds, the draft IUP, which included the associated project lists, was made available for a 30-day public comment period. In addition, a public hearing was held in Austin to accept public comments. Availability of the draft SFY 2014 DWSRF IUP, dated June 12, 2013, was announced as follows:

- The draft IUP will be posted on the TWDB website at www.twdb.texas.gov.
- A public notification describing where to access the draft IUP online and by hard copy will be mailed or emailed to interested parties, including entities who submitted a Project Information Form (PIF).
- A copy of the draft IUP will be mailed to the EPA.
- Public notification of the public comment period and hearing will be published in the monthly newsletter *Texas Water Development Board News* and on the TWDB website.
- A notice of public hearing will be published in the *Texas Register*.
- A notice will be posted to the TWDB's Twitter and Facebook pages.

B. Comment

Written comments were accepted via the following four options from June 20, 2013, until 5:00 p.m. CT on July 22, 2013.

1. Attending the public hearing held on July 18, 2013, at 2:00 p.m. CT in Room 170 of the Stephen F. Austin Building located at 1700 N. Congress Ave. in Austin, Texas.
2. Submitting comments via the following online comment page:

   www.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 address:
   Ms. Stacy Barna, Director, Program and Policy Development
   Texas Water Development Board
   P.O. Box 13231
   Austin, TX 78711

In accordance with federal requirements, all comments are responded to on an individual basis and are reported to the TWDB Board in preparation for their review of the IUP.

C. Approval

The initial SFY 2014 DWSRF IUP was approved by the TWDB's Governing Board on August 15, 2013.

D. Documentation

After Board approval, the initial IUP was formally submitted to the EPA along with information documenting the public participation process. In addition, the TWDB notified all entities that submitted PIFs that the Board approved IUP was available online. Entities with projects on the Invited Projects List (IPL) were informed of the opportunity to submit an application.

III. SFY 2014 Significant Program Changes

Significant changes to the SFY 2014 IUP from the SFY 2013 IUP are highlighted below.

1. **PIFs will remain active for three years (Section VI.A.3.):** Entities interested in being included in the annual IUP were previously required to submit a new PIF each year. Beginning with PIFs submitted for SFY 2014 IUP, eligible projects will remain active on the PPL for up to three years, or until they receive a commitment for funding whichever is sooner. Projects will automatically be included in subsequent project lists and will retain the points awarded with their first review. An update form will be made available for entities desiring to update project information.

2. **Open solicitation with project lists updated as necessary (Section VI.A.2.):** Prior to SFY 2014, with the exception of emergency projects, PIFs were only accepted during a three month solicitation period that began around December 1 and ended on March 1 of the following year. This change allows the Executive Administrator to add projects to the priority list throughout the year based on readiness to proceed, emergency need, or in order to meet programmatic requirements, thus providing for a more accessible funding program.

3. **Updates to the IUP (Section VI.A.2.):** Currently all changes to the IUP are presented to the Board, even minor ones. Beginning with the SFY 2014 IUP, the Board will only be asked to approve substantive programmatic changes.

4. **Updates to the project lists (Section VI.A.2.):** In order to make the program more accessible and to assist the TWDB in meeting project needs and programmatic requirements, the TWDB may add projects to the lists throughout the year based on readiness to proceed, emergency need, or in order to meet programmatic requirements. Eligible projects will be rated and ranked and added to bottom of the project lists. The amended project lists will undergo a 14-day public review period. Following the public

review period, projects added to the lists may receive an invitation to apply for funding.

5. **New reference for navigating the lists (Section XII.):** A new section was added to the IUP that explains the attached project lists. This section provides a reference for interpreting the information presented in the lists.

6. **Reserving the right to transfer funds (Section VIII.D.)**: The TWDB reserves the authority to transfer an amount up to thirty-three percent (33%) percent of the DWSRF program capitalization grant(s) to the CWSRF program or an equivalent amount from the CWSRF program to the DWSRF program.

7. **Transfer of DWSRF funds to the Clean Water State Revolving Fund (Section VIII.D.):** The TWDB transferred $100 million of grant funds from the DWSRF to the CWSRF. Upon transfer to the CWSRF, the funds will be utilized to meet the needs of active CWSRF projects.

8. **Allocation of $1,500,000 from the FFY 2013 capitalization grant for Local Assistance Set-Aside Activities (Section X.B.3.)** The TWDB will set aside $1,500,000 of the capitalization grant for the TCEQ to carry out set-aside activities relating to Local Assistance and Other State Programs.

9. **American Iron and Steel Provisions (Appendix F. Special Grant Conditions)** The Federal Fiscal Year (FFY) 2014 federal appropriations includes an "American Iron and Steel (AIS)" requirement that 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 if the project is funded through an assistance agreement executed beginning January 17, 2014 (the date of enactment of the appropriations). The law sets forth certain circumstances under which EPA may waive the AIS requirement. Furthermore, the Act specifically exempts projects where engineering plans and specifications were approved by a State agency prior to January 17, 2014.

IV. Description of the DWSRF Program

The DWSRF provides below market-rate loans, and loan forgiveness, to finance projects that facilitate compliance with primary drinking water standards or otherwise significantly further the health protection objectives of the SDWA. Projects must also be consistent with the 2012 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, 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; and
- Pay for other costs necessary to secure or issue debt

2. Examples of ineligible project costs include:

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

C. Examples of Eligible Green Projects

Green projects within the DWSRF program are those that (a) use green infrastructure, (b) increase water efficiency, (c) increase energy efficiency, or (d) are considered environmentally innovative.

Green infrastructure employs a design that manages wet weather and that maintains and restores natural hydrology. For example, a project could reduce overall imperviousness in a watershed through restoration of trees or wetlands. A local project could include site-specific practices such as bioretention, trees, green roofs, permeable pavements and cisterns.

A second green category, water efficiency, is the use of improved technologies and practices to deliver equal or better services with less water. Water efficiency encompasses conservation and reuse efforts, as well as water loss reduction and prevention. Examples range from simply replacing broken or malfunctioning water meters with an automatic meter reading systems to a major water reuse project.

A third type of green project, energy efficiency, is the use of improved technologies and practices to reduce the energy consumption, use energy in a more efficient way, or utilize renewable energy. Examples include the use of wind or solar power for a publicly-owned treatment plant and utility energy management planning.

Finally, certain innovative environmental activities that demonstrate new or innovative approaches to managing water resources can be considered green projects. These projects manage water resources in a more sustainable way. Examples include integrated water resources management planning and Source Water Protection projects.

V. DWSRF Program Goals

The primary goal of the DWSRF program is the same as the SDWA's – to improve public health protection. The overall goals of the DWSRF program are to ensure public health protection; 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. Long-Term Goals of the DWSRF

1. Work with other state and federal water and wastewater funding sources in the Texas Water Infrastructure Coordinating Committee (TWICC) to collaborate and seek innovative, sustainable funding strategies. This year, the TWDB will track and report those projects that have been assisted by TWICC in our Annual Report. The SFY 2014 baseline will then be used to set reasonable, attainable increases in future years.

2. Evaluate our very small systems program and strengthen our partnership with the TCEQ to ensure that systems are receiving the technical support they require.

3. Promote conservation by encouraging projects with excessive water loss to re-scope their proposed project to address the water loss.

4. Maintain the fiscal integrity of the DWSRF in perpetuity and assure continuous enhancement of the fund for future generations by complying with generally accepted accounting standards and monitoring our lending rate policy to provide for long-term inflation and produce sufficient repayment amounts to cover the payment of debt service on state bonds.

B. Short-Term Goals of the DWSRF

1. Continue to address Unliquidated Obligations (ULO) of past federal grant funds by implementing the following strategies: 1) consider transferring funding to the CWSRF program; 2) open the solicitation of projects to allow PIF submissions during the state fiscal year; and, 3) employ additional oversight of projects. The TWDB's target is to reduce the ULO 50% by the end of SFY 2014.

2. Assist water systems experiencing adverse effects due to the continued statewide drought through concerted outreach, interagency coordination, technical assistance, and financial assistance. Our goal is to understand the needs of each system and to provide both short-term emergency relief and long-term solutions. Should the statewide drought continue during SFY 2014, the TWDB's anticipated level of emergency assistance is $12 million.

3. Maintain and expand our level of outreach on rule, policy, and guidance changes to the SRF programs by hosting six regional SRF workshops in 2014. Host one webinar in the summer to alert projects to the changes in the program, and to encourage their application. In addition, the TWDB will work toward developing programmatic, informational videos during SFY 2014, and will continue our use of social media such as Facebook and Twitter.

4. Expedite access to funding by implementing a new approval process that updates the project lists and the IUP throughout the year.

5. Continue to improve the DWSRF program by seeking comments from stakeholders through online surveys and face-to-face meetings.

6. Make loan commitments of $107 million during SFY 2014, including at least $5,351,700 in commitments for green projects. The anticipated amount of loan closings is $87 million.

VI. Development of the DWSRF Intended Use Plan

A. Solicitation of Project Information

1. Project information was solicited from eligible entities across the state in a letter dated December 1, 2012, with a response deadline of March 1, 2013. TWDB and TCEQ staff coordinated in the development of the SFY 2014 DWSRF IUP project solicitation packet and a notice of its availability was distributed to all eligible water systems.

   The required information consisted of:

   - A detailed description of the proposed project
   - A map(s) showing the location of the service area

- An estimated total project cost which, if greater than $100,000, must be certified by a registered professional engineer
- A checklist 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

Additionally, entities were asked to submit information about effective system management. Examples of effective management criteria include asset management, water conservation, regional plans, and energy audits.

2. In order to make the program more accessible and to assist the TWDB in meeting project needs and programmatic requirements, the Executive Administrator may add projects to the lists throughout the year based on readiness to proceed, emergency need, or in order to meet programmatic requirements. The due date for the first solicitation of PIFs for the SFY 2014 funding cycle was March 1, 2013. Previously, PIFs were not accepted past the March 1st deadline unless they were submitted in response to a formal solicitation. One exception to this restriction was for Emergency Projects, which have been allowed to submit projects at any time.

Beginning this year, projects can submit PIFs any time between August 15, 2013, and July 1, 2014. Periodically the new PIFs will be grouped for processing, and eligible projects will be rated and ranked and added to bottom of the project lists. Amendments to the project lists will undergo a 14-day public review period that will be advertised on the agency website. Following the public review period, projects added to the lists may receive an invitation to apply for funding. PIFs submitted that are not rated and ranked during SFY 2014 will be included in the SFY 2015 IUP. An end of the year report detailing changes will be included with the Annual Report.

3. Beginning with the PIFs submitted for SFY 2014, PIFs shall remain active for up to three years from the IUP in which they are first included. Eligible projects will remain active and on the appropriate project lists for up to three funding years, until they receive a commitment for funding, are determined ineligible, indicate that the project is no longer needed or has been completed, or indicate they no longer wish to be included on the list. Projects will automatically be included in subsequent project lists based on the number of priority points received in the year they were first accepted and rated. Individual ranking will not be preserved and will be determined in a manner consistent with that year's IUP. An update form will be made available for entities wishing to update project information.

For example, Entity A submitted a PIF for consideration for funding under the SFY 2014 IUP. That project was rated, receiving 30 priority points, and was ranked

accordingly. Until a commitment for funding is received, or the project is otherwise deemed ineligible, the project will automatically be included on the SFY 2014, 2015, and 2016 project lists with the 30 priority points received during the initial rating. Entity A does not need to submit a new PIF for the same project for consideration under the SFY 2015 or 2016 IUPs, unless the entity wishes to submit new or updated information which also may increase their points.

B. Evaluation of Project Information

All PIFs received were given to TCEQ for rating. The rating criteria are found in Appendix C. Simultaneously with TCEQ's rating of projects, the TWDB performed an evaluation determining disadvantaged community status for those projects requesting eligibility. That eligibility criterion is presented in Appendix E. The TWDB also rated projects based on effective management criteria presented in Appendix C. If additional information was needed for clarification, entities were contacted by staff.

Community Size	Cost	Quantity
Large (population ≥ 10,000)	$749,137,241	69
Small (population < 10,000)	$410,339,123	162
Total	**$1,159,476,364**	**231**
Disadvantaged Community	$396,611,197	74

C. Priority Rating System

The TCEQ performs the priority rating for water system projects under the Rating Criteria set forth in the IUP. The general rating criteria for projects are discussed below. Details on the rating criteria are provided in Appendix C. For information on scoring for specific projects, a report detailing the scoring for each project is posted on the TWDB's website.

1. Water System Projects

- Health and Compliance – factors regarding public health concerns/issues or violations of MCLs pursuant to 40 Code of Federal Regulations Part 141.
- Secondary Compliance – factors regarding secondary chemicals and/or physical deficiencies (see Appendix C).
- Affordability – factor applied to an entity that qualifies as a disadvantaged community (see Appendix E).
- Additional factors as designated by the Executive Administrator, which includes effective management criteria.

2. 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.
- Implementation of Best Management Practices – factor relating to the implementation of specific best management practices.
- Affordability – factor applied to an entity that qualifies as a disadvantaged community (see Appendix E).

D. Updates to the IUP

Pursuant to TWDB rules, revisions made to this plan determined to be non-substantive may be made by the TWDB without notification to the public. They will be reported to the EPA in the Annual Report. Any changes in the IUP shall be made in accordance with procedures and pursuant to TWDB rules.

VII. Program Initiatives

To help meet the goals of the program, the TWDB is promoting these initiatives in SFY 2014:

A. Very Small System Funding

The TWDB recognizes the difficulty for very small systems to secure financial assistance through the DWSRF program. 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 subsidies to target systems with populations of 1,000 or fewer projects addressing a public health, compliance, or water quantity issues. Entities meeting these conditions will be eligible to receive 100% loan forgiveness up to a total of $200,000.

B. Outreach

Informing entities of the benefits of DWSRF funding is an important goal of the agency. The TWDB will maintain a high level of outreach by hosting five regional SRF workshops and one webinar during SFY 2014. As resources allow, informational videos will be developed. TWDB plans to develop and produce videos such as “How to Complete a Green Project Review Business Case”, “How to Prepare a Project Information Form” and “How to determine Disadvantaged Community eligibility”. For SFY 2014, TWDB plans to utilize social media to share project success stories.

C. Emergency Relief

The TWDB will consider Emergency Relief funding to replace or rehabilitate an essential portion of a public water system that poses an imminent peril to public health, safety, environment or welfare with a threat of failure in response to an emergency condition(s). Projects will be rated by the TCEQ based on the system’s PIF and added to the category "Emergency Relief Projects" on the respective IPL and PPL. Funding will be provided on a first-come, first-served basis from any SRF funds remaining in the current year's

Intended Use Plan or other available SRF funds. Prior to extending an invitation to apply for Emergency Relief funding, TWDB staff will evaluate the availability of program funds, amount of funds requested by the entity, project schedule, disadvantaged community eligibility, and population. If Emergency Relief funding is not available through the SRF programs, entities may seek funding from other TWDB financial assistance programs.

D. Source Water Protection Reserve

Source water protection is a cost-effective strategy that focuses on preventing contamination of drinking water supplies. A portion of this reserve, $890,065, is allocated to eligible disadvantaged projects as loan forgiveness and an additional $80,276 may be utilized as subsidized green funds. If these funds aren't awarded to SWP projects, they will be rolled back into the Disadvantaged Community or Subsidized Green public water system projects. Please see Appendix D for more information on source water protection.

VIII. Availability of Funds

A. Fund Analysis

In accordance with the TWDB's administrative rules, the Executive Administrator will allocate the total funds available between the Disadvantaged Community, Subsidized Green, Very Small Systems, and Mainstream funding options and will assign the construction-only, green project, small communities, and source water protection reserves. For more details, review section IX.D.

B. Notice of Availability of Funds

1. Federal Requirements

All funds are subject to federal requirements such as the Davis-Bacon Act and the federal crosscutting authorities. Some of these requirements are outlined in Appendix F.

2. Allocations

The Board-approved lending capacity of the program for SFY 2014 is $107,000,000 based on the FFY 2013 capitalization grant, state match, and repayment of loan funds. The amount of funds available is allocated to the following funding options.

Funds Available

Funding Option	Allocation
Disadvantaged Community	$9,040,142
Subsidized Green	$663,258
Very Small Systems	$2,000,000
Mainstream	$95,296,600
Total	**$107,000,000**

3. Reserves

The following reserved amounts may be applied to the Disadvantaged Community, Subsidized Green, Very Small Systems, and Mainstream funding options.

Funding Reserves	
Reserve	**Amount**
Construction-only (70% of funds available)	$74,900,000
Green Project (10% of capitalization grant)	$5,351,700*
Small Communities (15% of capitalization grant)	$8,027,550
*This amount includes the funds allocated for green subsidy.	

C. Additional Funds

Additional funds of approximately $43 Million that is projected to be available through unobligated previous grant funds, deobligation or closure of previous loan commitments will be allotted to eligible projects. The DWSRF program has the financial flexibility to exceed this level of additional funding if necessary.

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

After receipt of the FFY 2013 capitalization grant, TWDB had the ability to transfer up to $128,993,700 from currently open DWSRF grants as shown below:

Federal Fiscal Year	Grant Award Number	Grant Amount	33% of Grant
2008	FS-99679512	$67,112,000	$22,146,960
2009	FS-99679513	$67,112,000	$22,146,960
2010	FS-99679514	$86,254,000	$28,463,820
2011	FS-99679515	$59,854,000	$19,751,820
2012	FS-99679516	$57,041,000	$18,823,530
2013	FS-99679517	$53,517,000	$17,660,610
TOTAL		**$390,890,000**	**$128,993,700**

To address the legacy unliquidated obligations and meet needs in the CWSRF, the TWDB transferred $100 million of grant funds from the DWSRF to the CWSRF during SFY 2014.

The TWDB transferred $100 million from DWSRF grant funds to the federal fiscal year 2013 CWSRF capitalization grant, CS-48000213, utilizing the oldest available DWSRF grant funds as shown below:

Federal Fiscal Year	DWSRF Grant Award Number	Grants – Transfer Amount
2008	FS-99679512	$25,000,000
2009	FS-99679513	$56,374,080
2010	FS-99679514	$18,625,920
TOTAL		**$100,000,000**

At the time of the transfer, CWSRF has approximately $190 million of federal equivalency project costs that would utilize the $100 million transfer.

IX. Criteria and Method of Distribution of Funds

A. Determination of Allocation Amounts

Pursuant to the FFY 2013 Appropriations Act and as determined by the Executive Administrator, funding amounts for SFY 2014 are allocated based on a minimum of an equivalent of up to 20% of the capitalization grant for additional subsidization, and a goal of an equivalent of 10% of the capitalization grant for green project reserve. The Executive Administrator then determines the amount of funds that must be allocated to source water protection projects, which will be distributed using a separate sublist on the Project Priority List (PPL).

After the Executive Administrator determines the amount of funds available and the PPL is reviewed to ensure small and disadvantaged communities are represented according to TWDB rules, an Invited Projects List (IPL) is established. All applicants on the IPL will be notified and invited to submit complete applications as soon as possible.

B. Priority List Ranking

The TCEQ performs the priority rating for water system projects. Additionally, the TWDB rates projects for affordability and additional factors designated by the Executive Administrator. Each project, submitted by the deadline and determined to be eligible, is ranked from highest to lowest by the combined rating factor on the PPL. Subject to the conditions specified in section IX.F.2. of this document, construction projects for which the TWDB has previously funded the planning, acquisition, or design phase will receive priority on the IPL when they are ready to proceed to construction. In the event of ties in the rating, priority is given to the project serving the smaller total population based on information maintained by the TCEQ. Rating information submitted after the deadline is not considered. Following approval of the IUP, changes to a ranked project whereby the

project no longer addresses the issues for which it was rated will require the project to be re-rated and re-ranked, except in the following circumstances:

1. The applicant for a proposed project changes but the project does not change;

2. The number of participants in a consolidation project changes and the change does not result in a change to the combined rating factor; and

3. The fundable amount of a proposed project does not increase by more than 10% of the amount listed in the approved IUP except when approved by the Executive Administrator for the efficient management of the system. Only one increase prior to closing may be allowed.

C. Invited Projects List, Invitations, and Application Submissions

The IPL presented in the IUP refers to a subset of projects from the ranked PPL and includes only the projects that were invited to apply for funding beginning August 30, 2013.

Based on a review of milestones achieved to date, the TWDB reviewed each project to determine which phases would be eligible to receive funding during SFY 2014. The phases indicated on the IPL represent the phases deemed eligible based on that review. If an entity indicates interest in applying for additional phases of the project not listed on the IPL or not mentioned in the invitation letter, an updated readiness to proceed form must be submitted and an eligibility determination will be made by TWDB prior to the pre-application meeting.

Periodically, the IPL will be reviewed and compared to the applications received. To ensure receipt of a desired funding option (i.e. disadvantaged communities, green project, and/or small community funding), the entity must submit a completed loan application. Allocations of the disadvantaged and green subsidies, and small community funding will be determined after receipt of a completed application and prior to commitment. If funds are still available, then additional invitations will be extended to other projects on the PPL.

Phases of projects eligible to receive funding during SFY 2014 were reviewed and used to determine the IPL. If an entity indicates interest in applying for additional phases of the project not listed on the IPL or within the invitation letter, an updated readiness to proceed form must be submitted. A determination will be made by TWDB prior to the pre-application meeting.

Prior to submitting an application, entities are required to participate in a pre-application meeting to discuss the application process and requirements. Applications were accepted after the plan's approval on August 15, 2013, and opened beginning August 30, 2013, at 12:00 PM CT, following approval of this IUP. Provided there is still funding

available, applications will be accepted until the next fiscal year's IUP is approved by the Board.

D. Requests for Additional Information

Applicants will have ten business days to submit additional information requested by the TWDB to properly evaluate their application. Projects will be bypassed if an applicant fails to timely submit a complete application or additional requested information.

E. Bypass Procedures

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.

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. Entities that have submitted a completed loan application but had their project(s) bypassed will not be reviewed further for consideration. Reasons for bypassing projects are discussed in Appendix G.

F. Funding Options

Entities listed on the IPL will be invited to apply for one or more of the funding options listed below. All loans, except for those forgiven, are assessed a loan origination fee of 2.25% to pay for the administration of the loan. The fees are assessed at closing.

1. Disadvantaged Community Funding

For an entity to qualify as a disadvantaged community, the Annual Median Household Income (AMHI) of the entity's service area, or portion of the service area, must be less than or equal to 75% of the State's AMHI. If that threshold is met, then the Household Cost Factor is used to determine the level of loan forgiveness. The percent of loan forgiveness is based on the difference in the household cost factor, as shown below:

Household Cost Factor Difference	Loan Forgiveness
≥ 0% and < 1.5%	30%
≥ 1.5% and < 3%	50%
≥ 3%	70%

This funding option offers an interest rate subsidy of 125 basis points below market interest rates and 30%, or 50%, or 70% in loan forgiveness. The maximum repayment period is 30 years. The loan origination fee will not be applied to project costs that are funded with loan forgiveness. Further explanation can be found in Appendix E.

2. Subsidized Green Funding

Entities may receive Subsidized Green funding if their project has elements that are considered green and the cost of the green portion of their project is 30% or greater than the total project cost. This funding option offers an interest rate subsidy of 125 basis points below market interest rates and 15% in loan forgiveness of total green costs. The maximum repayment period is 20 years, unless the project also meets disadvantaged funding eligibility in which case the maximum is 30 years. The loan origination fee will not be applied to project costs that are funded with loan forgiveness. If there are Subsidized Green Funds that remain uncommitted, those funds may be used for Disadvantaged Community funding. Further explanation on Subsidized Green funding can be found in Appendix F.

3. Very Small Systems Funding

Entities may receive Very Small Systems funding pursuant to the stipulations detailed in section VII.A. This funding option offers 100% in loan forgiveness covering up to $200,000 of total project costs. In the event funding does not fully cover total project costs, the entity will need to secure a state revolving fund loan or other funding to complete the proposed project. No loan origination fee will be applied to project costs that are funded with loan forgiveness. In the event that there are Very Small Systems funds that remain uncommitted, the remaining funds may be rolled into the Disadvantaged Community funding option.

4. Mainstream Funding

Entities that are listed on the IPL are eligible to receive Mainstream funding. All Mainstream funding will be offered at an interest rate subsidy up to 125 basis points below market interest rates. The maximum repayment period is 20 years.

Terms of Funding Options

Funding Option	Loan Forgiveness	Interest Rate	Loan Origination Fee	Maximum Repayment Period
Disadvantaged Community	30%, 50%, or 70%	1.25% below market	2.25%*	30 years
Subsidized Green	15%			20 years
Very Small Systems	100%	N/A	N/A	N/A
Mainstream	N/A	1.25% below market	2.25%	20 years

* Not assessed on the loan forgiveness portion

Note: An entity may receive both Disadvantaged Community and Green loan forgiveness. In this instance, the entity also will be eligible for a maximum repayment period of 30 years.

G. Funds Distribution

The distribution of funds will occur as described below.

Readiness to Proceed Process:

The TWDB defines readiness to proceed as having obtained all permits, legally required authorizations, and land and water rights, having completed design, and having complied with all program requirements, including all engineering and environmental planning review requirements. All projects solicited for this SFY 2014 IUP were asked to submit information regarding the projects current status as of the solicitation period deadline. The information will be used in determining whether a project receives funding for all project phases or for Planning, Acquisition, and/or Design (PAD) only.

Each application received by the TWDB will be reviewed to ensure that the required milestones have been met to allow funding of phases being requested. If the application review indicates that the appropriate milestones for requested funding have not been met, funding may be limited to only those phases deemed eligible at that time. If the application review determines that a project is not ready to proceed for funding for the phase(s) being requested, the project may lose any subsidy assigned to it during the review process.

Entities invited for only planning, acquisition and/or design phases may provide an updated Readiness to Proceed to Construction form if milestones have been met that would allow the project to be deemed eligible for construction phase funding.

Projects that received funding for planning, acquisition and/or design during SFY 2011, 2012, or 2013 were automatically added to the SFY 2014 PPL and the IPL 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. Projects invited for construction phase funding may be required to submit an updated Readiness to Proceed to Construction form. TWDB staff will review the updated form and/or the application, as noted above, and will determine if the project is eligible for construction phase funding.

As described further in Appendix G, the Executive Administrator may bypass projects to invite those deemed ready to proceed.

1. Planning, Acquisition, and Design Funding

Projects on the IPL that have not completed planning, acquisition, and design activities and are not deemed ready to proceed to construction during SFY 2014 will receive an invitation to fund only the PAD portion of the project. A loan for the PAD

portion of a project is eligible for a below-market interest rate and must close within six months of receiving a commitment.

2. Construction Funding

Projects on the IPL that have completed planning, acquisition, and design, and is ready to advertise for construction bids will receive an invitation to fund the construction portion of the project. Applicants will be required to be ready to advertise for bid or procurement packages at the time a commitment is sought and to have acquired at least 70% of the TWDB loaned project costs in total bids prior to closing their loan. A loan for the construction portion of a project is eligible for a below-market interest rate and must close within one year of receiving a commitment.

For SFY 2014, the TWDB's goal is to reserve up to 70% of funds available for Construction funding, provided there are projects deemed ready to proceed. The Executive Administrator may bypass projects not deemed ready to proceed. Any construction funds may be used for PAD and pre-design funding options.

If the Planning, Acquisition, and/or Design phase receives a commitment in SFY 2014, the remaining phases of the project will be placed on subsequent fiscal year IUPs until the project is ready to proceed to the construction phase or up to three years from closing its initial commitment for Planning, Acquisition, and/or Design phase, whichever is sooner. These subsequent listings will automatically retain the same rating score and will receive a priority for the remaining phases unless, during the annual solicitation period, an entity submits an updated PIF that reflects changes in a project's scope, schedule, budget, or rating which would require a new rating.

3. Pre-Design Funding Option

The pre-design funding option allows an applicant to receive a single loan commitment for both the PAD and construction portions of a project. The construction portion of the project must be deemed ready to proceed before funds for the construction phase will be released. This option will only be considered for projects where there are no significant permitting, social, contractual, environmental, engineering, or financial issues that would make the funding unavailable. A loan utilizing the pre-design funding option must close within one year of receiving a commitment.

H. Invited Projects List Updates

Throughout the funding year, the Executive Administrator may update the projects that appear on the IPL based on periodic evaluations of the amount of funds available and achievement of funding requirements (i.e. disadvantaged communities, small communities, very small communities, and green projects). The Executive Administrator may periodically invite new applications for funding.

I. Loan Closing

A PAD financial assistance commitment must close within six months. A construction or pre-design funding financial assistance commitment must close within one year. The Executive Administrator may grant an extension of time to close if an applicant shows good cause for a delay.

Deadlines

Type of Financial Assistance	Closing Deadline
PAD	6 months
Construction	12 months
Pre-Design Funding	12 months

J. Terms of Loans

In accordance with 31 TAC §371.16(a), the TWDB may offer loans for the following terms:

Loan Terms

Type of Financial Assistance		Term
Planning, Acquisition and Design		10 years
Construction	Disadvantaged Community	30 years
	Mainstream	20 years
Pre-Design Funding	Disadvantaged Community	30 years
	Mainstream	20 years

Notwithstanding the terms above, the term of a loan may not exceed the design life of an eligible project.

K. 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. For SFY 2014, the TWDB will not invoke a proportionate share.

2. Cost Overruns After Closing

In the event of cost overruns on projects funded on a previous IUP, supplemental loan funding may be considered on a case by case basis.

3. Additional Project Funding Before Closing

Additional funds may be made available to projects listed on the PPL if approved by the TWDB and costs do not increase by more than 10% of the amount listed in the approved IUP. The Executive Administrator may increase the amount above the limit previously listed. Only one increase prior to closing may be allowed.

X. Set-Aside Accounts, Activities, and Administration

Federal regulations allow states to set aside up to 31% of the capitalization grant funds for purposes other than loans to water systems. The TWDB anticipates the set asides for SFY 2014 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 2.8%) for TCEQ for Local Assistance and Other State Programs. Appendix B lists the set-asides by grant year, expenditures, and balances as of February 28, 2013.

Set-aside funds may not be used for those projects or project-related costs listed in 40 CFR §35.3520 (b), (c), (e), and (f), with the following exceptions: (i) project planning and design costs for small systems; and (ii) costs for restructuring a system as part of a capacity development strategy.

A. TWDB 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. 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. Each year, beginning in SFY 1998, the TWDB has reserved that authority.

The TWDB will draw administrative set-asides from the 2013 Capitalization Grant in the approximate amount of $2,140,680. 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. Those fees are placed in a separate account for future administrative expenses. The fees are generated by an assessment of 2.25% of the DWSRF loan amount that is not forgiven, which is assessed at closing, and may be financed as a part of the DWSRF loan. 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 total $8,923,694. These set-aside funds will come from the FFY 2013 DWSRF capitalization grant as well as unspent funds from previous DWSRF grants.

State Program Management Set Aside-from FFY 2013 grant	$5,351,700
Small Systems Technical Assistance Set Aside-from FFY 2013 grant	$1,070,340
Local Assistance Set Aside from FFY 2013 grant	$1,500,000
Carryover from previous grants	$1,001,654

Total TCEQ set-aside amount	**$8,923,694**

1. **State Program Management (SDWA reference 1452(g)(2), Maximum Allowed: 10%, Taken from FFY 2013 Grant: 10% $5,351,700, combined with $593,829 of ULOs, for a total of $5,945,529.)**

   The TWDB will set aside an amount equal to approximately 10% ($5,351,700) of the capitalization grant, combined with $593,829 from previous capitalization grants for a total of $5,945,529 for the TCEQ to carry out the following set-aside activities relating to State Program Management.

   These funds will be used to address additional program requirements of the Public Water System Supervision (PWSS) program outlined by the SDWA and administer or provide technical assistance.

   Administer the State PWSS Program –SDWA Reference 1452(g(2)(A). (FFY 2013 Grant: $4,700,818 including ULO.)

   These funds implement portions of the PWSS program in Texas. Specifically the Surface Water Treatment Rule and associated Texas Optimization Program, portions of the engineering exceptions program, Consumer Confidence Report compliance determination and assistance, Lead Copper Rule compliance and technical assistance, inventory data, review of inorganic and organic sample sites, analysis of special study samples, source water protection, groundwater under the influence of surface water determination, and other technical assistance to public water systems. These activities include but are not limited to:

   - Maintaining and increasing functional expansion of the integrated data system for the Public Drinking Water and Utilities & District Sections;
   - Conducting Surface Water Treatment Plant Comprehensive Performance Evaluations (CPE) to increase the number of surface water treatment plants that are in compliance with current federal regulations and prepare the plants for the implementation of Interim Enhanced Surface Water Treatment Rule;
   - Performing inspections, sanitary surveys, and complaint responses;
   - Reviewing and updating inventory data and maintain quality assurance program for all PWS inventory data;
   - Reviewing PWS site inventory data for sample locations to ensure national drinking water standards are implemented correctly;
   - Determining Consumer Confidence Report compliance and provide assistance;
   - Determining Lead Copper Rule Compliance and provide technical assistance;
   - Assessing groundwater under the influence of surface water;
   - Providing other assistance to public water systems;

- Providing Homeland Security assistance to public water systems through the TXWARN program;
- Conducting comprehensive compliance investigations (sanitary surveys) at public water systems and responding to complaints where appropriate;
- Inspecting laboratories analyzing samples for compliance with the SDWA; and
- Addressing significant noncompliance and significant deficiencies by developing enforcement cases.

Administer and provide technical assistance through source water protection programs – SDWA Reference 1452(g)(2)(B). (FFY 2013 Grant: $282,312 including ULO.)

To implement source water protection and wellhead protection activities within the state and to provide ongoing assessment of sources with respect to vulnerability to contamination.

These funds will be used to implement the source water protection wellhead protection activities within the state and to provide ongoing assessment of sources with respect to vulnerability to contamination. These activities include but are not limited to:

- Ongoing assessment of sources to determine vulnerability to contamination;
- Implementing source water protection programs in various areas of the state;
- Developing best management practices, conducting meetings and site visits;
- Evaluating potential contamination inventories and identifying population served by vulnerable water sources protected by a source water protection program;
- Augmenting, enhancing, and maintaining Source Water Assessment (SWA) software used to assess statewide PWSs for contamination susceptibility; and
- Ensuring consistent and reliable operation of the SWA software used for statewide source water susceptibility assessment.

Develop and implement the capacity development strategy – SDWA Reference 1452(g)(2)(C). (FFY 2013 Grant: $962,399 including ULO.)

These funds implement the Capacity Development Strategy requirement of the SDWA. Specifically funds provided by this set-aside will be used to assist public water systems on a statewide basis in the development of water conservation and/or drought contingency programs to maintain or increase abilities of public water systems to meet state requirements and will be used to develop, issue and manage assistance to public water systems including contracts with technical assistance providers to improve water system's financial, managerial and technical (FMT) capacities. These activities include but are not limited to:

- Identifying public water systems that need assistance in developing, increasing, and maintaining their FMT abilities to meet state and federal requirements;
- Identifying, assessing and assisting public water systems that need assistance in consolidating and restructuring;
- Prohibiting nonviable water systems from coming into existence;
- Encouraging and promoting regionalization and partnerships where applicable to increase compliance and affordability;
- Identifying and ranking public water systems and their proposed projects for DWSRF;
- Assessing DWSRF applicants;
- Developing innovative approaches to moving systems to compliance.
- Evaluating and facilitating potential acquisition, merger, or lease of ownership of water systems to ensure FMT abilities;
- Assisting water utilities in meeting new mapping requirements;
- Identifying business processes and state and federal regulations applicable to water utilities for the Water Utilities Database (WUD); and
- Identifying retail public water systems that need assistance in developing water conservation and/or drought contingency plans that may not have adequate capabilities to meet higher than normal peak water demands during periods of drought, development of water conservation and/or drought contingency programs to maintain or increase abilities of public water systems to meet state requirements.

2. Small Systems Technical Assistance (SDWA reference 1452 (g)(2), Max Allowed: 2%, Taken from FFY 2013 Grant: 2% / $1,070,340, combined with $407,825 of ULOs, for a total of $1,478,165.)

The TWDB will set aside an amount equal to approximately 2% ($1,070,340) of the capitalization grant, combined with $407,825 from previous capitalization grants for a total of $1,478,165 for the TCEQ to carry out the following set-aside activities relating to Small Systems Technical Assistance.

These funds will be used to provide technical assistance to small public water supplies serving fewer than 10,000 people.

Administer the State PWSS Program –SDWA Reference 1452(g(2)(A). (FFY 2013 Grant: $1,149,227 including ULO.)

These funds implement portions of the PWSS program in Texas. Specifically, emergency preparedness plan review and implementation, exception and plan review determination and assistance, implementation of electronic data reporting

portal and other technical assistance to small system public water systems. These activities include but are not limited to:

- Reviewing Exception Requests, Emergency Preparedness Plans, Engineering Plans and other applications;
- Analyzing and responding to exception requests, engineering plans and other applications for small public water systems; and
- Shipping bottles to small public water systems to increase program compliance.

Develop and implement the capacity development strategy – SDWA Reference 1452(g)(2)(C). (FFY 2013 Grant: $328,938 including ULO.)

These funds will be used to assist small public water systems on a statewide basis in developing and implementing the Capacity Development Strategy requirement of the SDWA.

Specifically funds provided by this set-aside will be used to increase the financial, managerial and technical abilities of small public water systems and identify small public water systems that need assistance in developing, increasing, and maintaining their FMT abilities to meet state and federal requirements. These activities include but are not limited to:

- Identifying public water systems that need assistance and assessment;
- Conducting assessments of and providing assistance to these systems;
- Developing innovative approaches to moving systems to compliance;
- Prohibiting nonviable public water systems from coming into existence;
- Encouraging and promoting regionalization and partnerships where applicable to increase compliance and affordability;
- Evaluating and facilitating potential acquisition, merger, or lease of ownership of water systems to ensure FMT abilities;
- Identifying and ranking public water systems and their proposed projects for the DWSRF; and
- Assessing DWSRF applicants.

3. Local Assistance and Other State Programs ((SDWA Reference 1452(k)) From the FFY 2013 Grant - $1,500,000)

The TWDB will set aside $1,500,000 of the capitalization grant for the TCEQ to carry out the following set-aside activities relating to Local Assistance and Other State Programs: (a) under a wellhead protection program, complete assessments for ground water sources, and (b) provide assistance to public water systems as part of a capacity development strategy.

Program Element 1: Source Water Protection Programs

This Program Element implements source water protection and wellhead protection programs within the state in order to provide ongoing assessment of sources with respect to vulnerability to contamination.

The key deliverables are completed source water protection assessments provided to PWSs in order to assist in the implementation of programs designed to provide source water protection and wellhead protection within the state. These activities include:

- Assessment of sources to determine vulnerability to contamination;
- Implementation of source water protection programs in various areas of the state;
- Development of source water protection programs best management practices
- Participation in meetings and site visits in order to facilitate the creation of source water and wellhead protection programs;
- Evaluation of potential source water protection programs contamination inventories
- Identification of populations protected by a source water protection programs and served by vulnerable water sources;
- Augmentation, enhancement, and maintenance of Source Water Assessment (SWA) software used to assess statewide PWSs for contamination susceptibility; and
- Consistent and reliable operation of the SWA software used for statewide source water susceptibility assessment.

Program Element 2: Capacity Development

This Program Element provides assistance to PWSs by developing and implementing the Capacity Development Strategy requirement of the SDWA. The activities under this Program Element increase the financial, managerial, and technical (FMT) abilities of Public Water Systems (PWS) through the identification of PWS that need assistance in developing, increasing, and maintaining their FMT abilities to meet state and federal requirements. Additionally, the activities under this Program Element will assist PWSs in the development of water conservation and/or drought contingency programs to maintain or increase abilities of PWSs to meet state requirements and will be used to develop, issue and manage assistance to PWSs including contracts with technical assistance providers to improve a PWS's financial, managerial and technical (FMT) capacities.

Task 2.1: Capacity Development – Technical Assistance

This Program Element implements portions of the Capacity Development Strategy under the PWSS in Texas. The activities under this Program Element provide local assistance to reduce the risk of both long term and short term health effects through

the implementation of EPA rules, the Surface Water Treatment Rule, portions of the engineering exceptions program, Lead Copper Rule compliance and technical assistance, inventory data, review of inorganic and organic sample sites, analysis of special study samples, groundwater under the influence of surface water determination, and other technical assistance to PWSs.

The key deliverable is the implementation of programs designed to increase the percentage of the Texas population with drinking water that meets state and federal drinking water standards. These activities include:

- Conduct Surface Water Treatment Plant Comprehensive Performance Evaluations (CPE) to increase the number of surface water treatment plants that are in compliance with current federal regulations and prepare the plants for the implementation of Interim Enhanced Surface Water Treatment Rule;
- Timely log-in, review, analysis, tracking and response to exception requests, emergency preparedness plans, engineering plans and other applications for PWSs.
- Provide data and responses to EPA, PWSs, consulting engineers, TCEQ and other state agencies; and
- Ship sample bottles to small PWSs to increase lead\copper program compliance.
- Provide other assistance to PWSs.

Task 2.2: Capacity Development - FMT Assistance

This Program Element provides assistance to PWSs by developing and implementing the Capacity Development Strategy requirement of the SDWA. The activities under this Program Element increase the financial, managerial, and technical (FMT) abilities of PWS through the use of an FMT contractor who provides assistance at the local level. PWS that need assistance in developing, increasing, and maintaining their FMT abilities to meet state and federal requirements are provided assistance by the FMT contractor.

The key deliverable is the implementation of programs designed to provide assistance to PWSs in order to increase their FMT abilities to meet state and federal requirements. These activities include:

- Identify and develop lists of PWSs that need assistance and assessment;
- Conduct FMT assessments, consolidation assessments, consolidation facilitation assistance, financial, managerial and technical assistance, and other special assistance and assessment projects as needed;
- Develop innovative approaches to moving systems to compliance;
- Provide assessment management training;
- Encourage and promote regionalization and partnerships where applicable to increase compliance and affordability;
- Propose and evaluate new programs to continue improving FMT capacities of PWSs;

- Assess and report on DWSRF applicants; and
- Coordinate activities with the Texas Water Development Board.

Task 2.3 Capacity Development – Drought Plan Review

The key deliverable is the implementation of programs designed to provide assistance to PWSs in the development of water conservation and/or drought contingency programs to maintain or increase abilities of PWSs to meet state requirements. These activities include:

- Identify retail PWSs that need assistance in developing water conservation and/or drought contingency plans that may not have adequate capabilities to meet higher than normal peak water demands during periods of drought;
- Develop water conservation and/or drought contingency programs to maintain or increase abilities of PWSs to meet state requirements;
- Provide technical assistance to retail public water systems in the development of water conservation and/or drought contingency plans;
- Review and evaluate water conservation and/or drought contingency plans of retail PWSs to meet state requirements; and
- Increase the number of viable systems.

Task 2.4 Capacity Development –Managerial Assistance

This Program Element provides assistance to PWSs by developing and implementing the Capacity Development Strategy requirement of the SDWA. The activities under this Program Element increase the financial, managerial capabilities of water utilities, and conservation and reclamation districts to meet state and federal requirements.

The key deliverable is the implementation of programs designed to provide assistance to PWSs in order to increase their financial and managerial abilities to meet state and federal requirements. These activities include:

- Review applications, business plans and engineering plans to prohibit nonviable PWSs from coming into existence;
- Encourage and promote regionalization and partnerships where applicable to increase compliance and affordability;
- Propose and evaluate new programs to continue improving FMT capacities of PWSs
- Review certificates of convenience and necessity applications to evaluate and facilitate potential acquisition, merger, or lease of ownership of water systems to ensure financial managerial and technical abilities;
- Provide lists that identify and rank PWSs and their proposed projects for the DWSRF;
- Assist water utilities in meeting new mapping requirements;

- Identify business processes and state and federal regulations applicable to water utilities for the Water Utilities Database (WUD).

XI. Financial Status of the DWSRF

The lending capacity for SFY 2014 was established by the Board and set at $107,000,000. Details of those funds are found in the Introduction. The state match will be made up of a combination of appropriated funds and funds obtained from the TWDB's Development Fund in the form of a loan to the DWSRF. The TWDB does not cross-collateralize between the DWSRF and CWSRF programs. The TWDB received the FFY 2013 grant in the amount $53,517,000 on August 16, 2013. The TWDB will comply with the requirements associated with the FFY 2013 allotment in SFY 2014. The investment earnings on funds in the sources and uses document represents interest earned on program proceeds as of February 28, 2013 as well as projected interest to be earned during the upcoming fiscal year. The projected fee income is derived from fees charged to borrowers to cover the administrative costs of the program.

A. FFY 2013 Capitalization Grant Funds

The TWDB invites applications from a sufficient number of applicants to make binding commitments for all of the capitalization grants and state matching funds, minus the set-asides. As additional funds become available, more projects will be moved to the IPL and additional applications will be invited. However, if not all of the funds are committed or otherwise obligated; any funds remaining after TWDB approval of the SFY 2014 IUP and after the SFY 2014 funding cycle has ended will be rolled forward to the SFY 2015 IUP.

B. Method of Cash Draw

The method of cash draw for the FFY 2013 capitalization grant is "all projects." Required state match will be expended first, and then federal funds will be drawn at a rate of 100%.

C. Long-Term Financial Health of the Fund

The long-term financial health of the DWSRF is monitored through ongoing monthly cash flow and quarterly capacity modeling. The TWDB lending rate policy has been established to preserve the corpus of the capitalization grants, excluding the amount of loan forgiveness, and state match funds. The fund is managed to develop strong programmatic cash flows, which would allow future leveraging of the program.

D. Interest Rate Policy

The TWDB has established an interest rate policy for most DWSRF borrowers in 31 TAC §371.14 that provides for fixed and variable rates. When setting rates, the TWDB takes into consideration both the interest rate required to retire state bonds and the rate

necessary to maintain the buying power of the DWSRF. 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 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 loan agreement and are in effect for forty-five days. The levels of loan forgiveness subsidies are set forth in section VIII.D. of this document.

XII. Navigating the Lists

Appendices H – M are a series of lists that detail the proposed project information of each based upon the PIFs the TWDB received for SFY 2014. The lists include an alphabetical list of all eligible projects (Appendix H), a list of projects deemed ineligible to receive DWSRF funds (Appendix I), a list of projects deemed ineligible to receive disadvantaged funds (Appendix J), a list of projects in order of highest priority to receive funding (Appendix K), a list of those projects that may be invited to submit financial applications for assistance (Appendix L), and a list of projects that may contain green components (Appendix M).

The alphabetical list is the priority list sorted alphabetically. They contain 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 loan 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.

Projects that were deemed ineligible to receive DWSRF funding due to the scope of the proposed project are listed in Appendix I with a brief description as to why they were deemed ineligible. Projects that were deemed ineligible to receive disadvantaged funding only (i.e. the projects is still eligible to receive other funding options) are listed in Appendix J with a brief description as to why they were deemed ineligible.

Projects listed on the Invited Projects List are eligible to begin the next step to receiving financial assistance from the DWSRF program. The information provided in this list is similar to the alphabetical and priority order lists, however, the TWDB has determined which project phases are eligible to receive funding during this SFY, depicted in the Phase(s) column. The sum of these projects' total costs constitutes a prescribed percentage above the total funds available for the SFY (as detailed in section IX.C.). Projects on this list will receive an invitation letter from the TWDB with the next steps to the application process. 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.

The Invited Green Projects List is a subset of the Invited Projects List in that projects with green components as listed in the previous appendices are listed here. The information

detailed includes a description of the green components under Project Description, the category (ies) of those green components (see Appendix F), the eligible phases of the project to receive funding during the SFY, the total project cost, the total of the green component costs, the type of green project (i.e. whether the components are categorically eligible or require a business case), 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.

Texas Water Development Board
SFY 2014 Drinking Water State Revolving Fund
Intended Use Plan

Appendix A. Sources and Uses of Funds for SFY 2014

SOURCES:	
FFY 2013 Federal Capitalization Grant	$53,517,000
State Match - for FFY 2013 Federal Grant	$10,703,400
Unexpended previous grants and state match	297,326,831
Principal Repayments from Existing Loans	$29,975,150
Interest Repayments from Existing Loans	$9,660,336
Investment Earnings on Funds	$308,776
Projected additional cash resources for SFY 2014 Loan Commitments	$19,687,572
TOTAL SOURCES:	**$421,179,065**
USES:	
Set-Asides from FFY 2013 Grant:	
Administration Expenses-4% Set-Aside	$2,140,680
Total Administration Set-Aside:	$2,140,680
TCEQ Small Systems Technical Assistance (SSTA) Program Set-Aside	$1,070,340
TCEQ Texas State Management Program (SMP) Set-Aside	$5,351,700
TCEQ Local Assistance (LA) Set-Aside	$1,500,000
Total SSTA, SMSP and LA Set-Asides	$7,922,040
Projects to be funded:	
SFY 2014 IUP Commitments - Loan Forgiveness (Disadv., VSS and Green)-20%	$11,703,400
SFY 2014 IUP Commitments - Green Project Reserve-10% of the Cap Grant	$5,351,700
SFY 2014 IUP Commitments - Remaining (Loan Capacity less amounts above)	$89,944,900
Total Projects To Be Funded - SFY 2014:	$107,000,000
Projects already pledged:	
Remaining balance on projects committed and closed	$220,000,000
Applications being processed	$35,000,000
Total Projects Already Pledge or being processed:	$255,000,000
Debt Service:	
Principal Payments - on Match General Obligation Bonds	$4,379,269
Interest Payments - on Match General Obligation Bonds	$3,910,245
Total Debt Service:	$8,289,514
TOTAL USES:	**$380,352,234**
NET SOURCES (USES):	**$40,826,831**

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

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Texas Water Development Board
SFY 2014 Drinking Water State Revolving Fund
Intended Use Plan

Appendix B. Projected Set-Aside Expenditures and Balances

Data Provided as of 2/28/2013

Drinking Water SRF Federal Set-Aside Funding Sources

FFY	Grant Award #	Grant Funds	Loan portion of grant	TCEQ 10% PWSS	SWP Portion/Local Assistance (LA)	TCEQ 2% Small Systems TA	TWDB Admin Set-Aside	In-Kind
1997	FS-99679501	$70,153,800	$64,847,648	$2,500,000			$2,806,152	
1998	FS-99679502	$54,014,400	$49,139,400	$4,875,000				
1999	FS-99679503	$56,612,200	$44,284,672	$4,505,732	$5,661,220		$2,160,576	
2000	FS-99679504	$58,836,500	$54,246,988	$4,505,732	$83,780			
2001	FS-99679505	$59,079,800	$50,915,312	$5,900,000			$2,264,488	
2002	FS-99679506	$62,023,700	$52,529,766	$5,900,000		$1,240,474	$2,353,460	
2003	FS-99679507	$61,651,000	$52,207,808	$5,900,000		$1,180,000	$2,363,192	
2004	FS-99679508	$63,953,900	$53,897,562	$6,395,390		$1,180,000	$2,480,948	
2005	FS-99679509	$63,818,500	$53,694,240	$6,381,850		$1,276,370	$2,466,040	
2006	FS-99679510	$67,799,550	$57,429,348	$6,381,850		$1,276,370	$2,711,982	
2007	FS-99679511	$67,801,000	$55,985,268	$6,779,955		$1,200,000	$3,835,777	
2008*	FS-99679512	$67,112,000	$54,596,522	$6,711,200		$1,342,240	$4,407,151	$54,887
2009	FS-99679513	$67,112,000	$56,374,080	$6,711,200		$1,342,240	$2,684,480	
2009	2F-96692301	$160,656,000	$154,229,760				$6,426,240	
2010	FS-99679514	$86,254,000	$72,453,360	$8,625,400		$1,725,080	$3,450,160	
2011	FS-99679515	$59,854,000	$50,199,760	$5,985,400		$1,197,080	$2,394,160	$77,600
2012	FS-99679516	$57,041,000	$48,046,927	$5,704,100		$1,140,820	$2,149,153	
2013	FS-99679517	$53,517,000	$43,454,280	$5,351,700	1,500,000	$1,070,340	$2,140,680	
	Total	**$1,237,290,350**	**$1,068,532,701**	**$99,114,509**	**$7,245,000**	**$15,171,014**	**$47,094,639**	**$132,487**

Drinking Water SRF Federal Set-Aside Expenditures

		Grant Funds Drawn	Loan Portion Drawn	TCEQ 10% PWSS Drawn	SWP/LA Drawn	TCEQ 2% SSTA Drawn	TWDB Admin Set-Aside Drawn	In-Kind
1997	FS-99679501	-$70,153,800	-$64,847,648	-$2,500,000			-$2,806,152	
1998	FS-99679502	-$54,014,400	-$49,139,400	-$4,875,000			$0	
1999	FS-99679503	-$56,612,200	-$44,284,672	-$4,505,732	-$5,661,220		-$2,160,576	
2000	FS-99679504	-$58,836,500	-$54,246,988	-$4,505,732	-$83,780		$0	
2001	FS-99679505	-$59,079,800	-$50,915,312	-$5,900,000			-$2,264,488	
2002	FS-99679506	-$62,023,700	-$52,529,766	-$5,900,000		-1,240,474	-$2,353,460	
2003	FS-99679507	-$61,651,000	-$52,207,808	-$5,900,000		-1,180,000	-$2,363,192	

2004	FS-99679508	-$63,953,900	-$53,897,562	-$6,395,390		-1,180,000	-$2,480,948	
2005	FS-99679509	-$63,818,500	-$53,694,240	-$6,381,850		-1,276,370	-$2,466,040	
2006	FS-99679510	-$67,799,550	-$57,429,348	-$6,381,850		-1,276,370	-$2,711,982	
2007	FS-99679511	-$53,580,174	-$41,764,442	-$6,779,955		-$1,200,000	-$3,835,777	
2008	FS-99679512	-$12,460,591	$0	-$6,711,200		-$1,342,240	-$4,407,151	-$54,887
2009	FS-99679513	-$10,737,920	$0	-$6,711,200		-$1,342,240	-$2,684,480	
2009	2F-96692301	-$159,103,896	-$152,838,162				-$6,265,734	
2010	FS-99679514	-$13,800,640	$0	-$8,625,400		-$1,725,080	-$3,450,160	
2011	FS-99679515	-$8,682,511	$0	-$5,985,400		-$537,794	-$2,159,317	-$77,600
2012	FS-99679516	-$279,567	$0	-$279,567		$0	$0	-
2013	FS-99679517	$0	$0	$0		$0	$0	
Total		**-$876,588,649**	**-$727,795,348**	**-$88,338,276**	**-$5,745,000**	**-$12,300,568**	**-$42,409,457**	**-$132,487**

Drinking Water SRF Federal Set-Aside Remainder

		Grant Funds Remainder	Loan Portion Remainder	TCEQ 10% PWSS Remainder	SWP/LA Remainder	TCEQ 2% SSTA Remainder	TWDB Admin Set-Aside Remainder	In-kind Remainder
1997	FS-99679501	$0	$0	$0	$0	$0	$0	
1998	FS-99679502	$0	$0	$0	$0	$0	$0	
1999	FS-99679503	$0	$0	$0	$0	$0	$0	
2000	FS-99679504	$0	$0	$0	$0	$0	$0	
2001	FS-99679505	$0	$0	$0	$0	$0	$0	
2002	FS-99679506	$0	$0	$0	$0	$0	$0	
2003	FS-99679507	$0	$0	$0	$0	$0	$0	
2004	FS-99679508	$0	$0	$0	$0	$0	$0	
2005	FS-99679509	$0	$0	$0	$0	$0	$0	
2006	FS-99679510	$0	$0	$0	$0	$0	$0	
2007	FS-99679511	$14,220,826	$14,220,826	$0	$0	$0	$0	
2008	FS-99679512	$54,651,409	$54,596,522	$0	$0	$0	$0	$0
2009	FS-99679513	$56,374,080	$56,374,080	$0	$0	$0	$0	
2009	2F-96692301	$1,552,104	$1,391,598	$0	$0	$0	$160,506	
2010	FS-99679514	$72,453,360	$72,453,360	$0	$0	$0	$0	
2011	FS-99679515	$51,171,489	$50,199,760	$0	$0	$659,286	$234,843	$0
2012	FS-99679516	$56,761,433	$48,046,927	$5,424,533	$0	$1,140,820	$2,149,153	
2013	FS-99679517	$53,517,000	$43,454,280	$5,351,700	$1,500,000	$1,070,340	$2,140,680	
Total		**$360,701,701**	**$340,737,353**	**$10,776,233**	**$1,500,0000**	**$2,870,446**	**$4,685,182**	**$0**

Appendix C. Rating Criteria

TCEQ Ratings

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

Combined Rating, Health and Compliance, and Primary Compliance Factors

Microbiological Factors	**Points**
The sum of the total coliform MCL violations, total acute coliform MCL violations, and the treatment technique violations (including all exceedances of the 0.5 NTU standard), disregarding one violation.	(TCV=s)+(ACV=s)+(TT)-1
Chronic Chemical	
The compliance result above the MCL for any chronic exposure chemical, divided by the MCL level.	Result/MCL
Acute Chemical	
Three times the compliance result above the MCL for Nitrate or Nitrite, divided by the MCL level.	(Result/MCL) X 3
Carcinogen	
Two times the compliance result above the MCL for any carcinogenic chemical, divided by the MCL level.	(Result/MCL) X 2
Lead/Copper	
Two times the greater of the 90th percentile lead level divided by the lead action level or the 90th percentile copper level divided by the copper action level.	[Greater of (Pb90/0.015) or (Cu90/1.3)] X 2
Filtration	
12 points 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	
Twelve points 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	
0-100	0.00
101-1,000	1.00
1,001-10,000	2.00
10,001-100,000	3.00
100,001+	4.00

Secondary Compliance Factors

Secondary Chemical	
One half the compliance result above the MCL for any secondary chemical violation for sulfate, chloride, and total dissolved solids, divided by the MCL level. (Maximum of 1 pt.)	(Result/MCL) X 0.5

Physical Deficiency Factor

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

Deficiency:

Pressure <20 psi	1.00	Water Loss >25%	0.25
No disinfection	1.00	Pressure >20 & <35 psi	0.25
Production <85%	0.25	Other Secondary MCLs	0.25
Storage <85%	0.25		

Consolidation Factor

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

TWDB Ratings

Effective Management

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

Affordability Factor

Ten points awarded to any entity that qualifies as a disadvantaged community (see Appendix E for eligibility criteria)	10.00

Tie Breaker

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

Appendix D. Source Water Protection Rating Criteria and Process

This program provides loans 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, PWSs 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 tran-1,2	Trichlorobenzene 1,2,4-
Dichloromethane	Trichloroethane 1,1,1-
Dichloropropane 1,2-	Trichloroethane 1,1,2-
Dinoseb	Trichloroethylene
Diquat	Vinyl chloride
EDB	Xylene
Endothall	

Appendix D. Source Water Protection Rating Criteria and Process

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. Affordability Factor – Ten points awarded to any entity that qualifies as a disadvantaged community (see Appendix F for eligibility criteria)

g. The total source water protection rating score will be the sum of points generated from ground and surface water system vulnerability, ability to implement best management practices and affordability factors.

Appendix E. Disadvantaged Community Eligibility Criteria

TWDB staff determines Disadvantaged Community eligibility. The TWDB's definition of an eligible disadvantaged community for SFY 2014 is based on the requirement in the FFY 2013 Appropriations Act (P.L. 113-6) that requires that not less than 20 percent and not more than 30 percent of the capitalization grant must be used to provide additional subsidy to eligible recipients. The definition of a disadvantaged community is not based on Section 1452(d) of the SDWA. 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 would provide new water or sewer service to existing customers or would provide first-time water and/or sewer service to new customers;
2. Has an adjusted median household income (AHMI) that is no more than 75% of the adjusted state median household income for the most recent year for which reliable data is available, and
3. If the service area is charged for either water or sewer services, has a household cost factor for either water or sewer rates (whichever is applicable) that is greater than or equal to 1.0%; or, if the service area is charged for both water and sewer services, has a combined household cost factor for water and sewer rates that is greater than or equal to 2.0%.
4. The Board may consider additional, extenuating circumstances to provide financial assistance to an entity that cannot otherwise afford a DWSRF loan.

Annual Median Household Income

There are two methods to determine the adjusted annual median household income.

1. Use the most recent reliable Census Bureau data from the following sources:
   - 5-year American Community Survey (ACS);
   - 3-year ACS;
   - 1-year ACS; or

2. Use 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). The Socioeconomic Survey Guidelines are posted on the TWDB web site.

The TWDB reviews the most recent and available ACS data to determine whether it is reliable and accurate using a coefficient of variation (CV). The Census Bureau states that for data to be considered reliable, the CV needs to be less than or equal to 15%. If the data from the most recent ACS is considered unreliable (greater than 15%), then data from a less recent ACS or the 2000 Decennial Census may be used to determine eligibility.

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:

Appendix E. Disadvantaged Community Eligibility Criteria

The following table is an example of 2000 census tract and block group data within Harris County, Texas.

Prorated US Census Data

A US Census Tract	B Block Group	C 2000 US Census Population	D 2000 US Census AMHI	E 2000 US Census Average Household Size	F Number of Household Connections	G Household Connections as a % of Total Household Connections	H Entity's 2000 Population (CxG)	I Entity's 2000 AMHI (DxG)	J Entity's 2000 Average Household Size (ExG)
2523	1	1,279	$29,712	2.75	30	2.07%	26	$614	0.06
2523	2	5,079	$60,399	3.56	66	4.55%	231	$2,745	0.16
2524	1	4,683	$43,149	3.20	1,000	68.87%	3,225	$29,717	2.20
2524	4	439	$45,781	2.93	356	24.52%	108	$11,225	0.72
Total					**1,452**	**100.00%**	**3,590**	**$44,301**	**3.14**

The annual median household income is then inflation adjusted to the most recent available 12-month Texas Consumer Price Index (CPI) as determined by the TWDB prior to evaluating information submitted on the Disadvantaged Community Worksheet.

Household Cost Factor

The household cost factor is calculated taking into account the entity's average annual water and/or sewer bill, the annual loan cost per customer, and the adjusted annual median household income. The formulas for each are calculated as follows:

Average Annual Water Bill = (Avg. # of persons/household) x (2,325 gallons/person/month) x (Monthly water rate) x (12)

Average Annual Sewer Bill = (Avg. # of persons/household) x (1,279 gallons/person/month) x (Monthly sewer rate) x (12)

$$\text{Household Cost Factor} = \frac{\text{(Average Annual Water Bill) + (Annual Loan Cost)}}{\text{(Adjusted Median Household Income)}}$$

$$\text{Combined Household Cost Factor} = \frac{\text{(Avg. Annual Water Bill) + (Avg. Annual Sewer Bill) + (Annual Loan Cost)}}{\text{(Adjusted Median Household Income)}}$$

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 2014. The following tables are an example of the method used. The TWDB will require use of prorated rates to determine an entity's water and/or sewer bills when applicable.

Prorated Average Monthly Water Bill

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

Appendix E. Disadvantaged Community Eligibility Criteria

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 (CxD)	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 loan 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.

Subsidy Determination

Communities that are determined to be disadvantaged are eligible to receive a subsidy in the form of loan forgiveness. Any loan origination fee is not calculated on the loan forgiveness portion. The level of disadvantaged subsidy is determined by a points system based on an entity's difference between the minimum required and actual household cost factors.

HCF Difference	Loan Forgiveness	Interest Rate	Term	Loan Origination Fee
>=0% and <1.5%	30%	1.25% below market	30 years	2.25%
>=1.5% and <3%	50%			
>=3%	70%			

Systems owned and operated by a public school or school district will be evaluated for their adjusted 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 loan forgiveness.

If recent reliable data is unavailable for the school district to determine the AAMHI, the TWDB will use information from the Texas Education Agency's (TEA) 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 AAMHI will be assumed to be less than or equal to 75% of the states AMHI.

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Appendix F. Special Grant Conditions

1. Davis-Bacon Act

It is a requirement that recipients of SRF funding comply with 40 CFR Part 31, the Davis-Bacon Act wage determinations 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 assistance made available as authorized by section 1452 of that Act (42 U.S.C. 300j-12). 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 found beginning on Page 18 of the document "Texas Water Development Board Supplemental Contract Conditions and Instructions" found at this link: http://www.twdb.texas.gov/financial/instructions/doc/TWDB-0550.pdf.

2. Compliance with Crosscutting 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 crosscutting authorities or crosscutters. The crosscutters apply to projects and activities whose cumulative funding equals the amount of the SRF capitalization grants. All projects assisted with funds equivalent to the amount of capitalization grants must comply with the crosscutter requirements.

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

- Environmental crosscutters include federal laws and executive orders that relate to preservation of historical and archaeological sites, endangered species, wetlands, agricultural land, etc. This crosscutter requirement includes a National Environmental Policy Act-compliant environmental review.
- Social policy crosscutters include requirements such as minority and women's business enterprise participation goals, equal opportunity employment goals, and nondiscrimination laws. This crosscutter requirement includes compliance with the TWDB's Disadvantaged Business Enterprise program.
- Economic crosscutters directly regulate the expenditure of federal funds such as the prohibition against entering into contracts with debarred or suspended firms.

A complete list of crosscutting authorities can be found at the EPA web site: www.epa.gov/safewater/dwsrf/xcuts.html

3. 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 loan closing.

4. Additional Subsidies

Per federal capitalization grant requirements, the TWDB is required to provide a minimum of $10,703,400 in additional subsidization as follows:

Funds Available

Funding Option	Allocation
Disadvantaged Community	$8,900,645
Subsidized Green	$802,755
Very Small Systems	$1,000,000

Up to 16.75% of the funds allocated to Source Water Protection (SWP) may be utilized as Disadvantaged Community funds and up to 1.5% of those allocated funds may be utilized as Subsidized Green funds. Any Disadvantaged Community or Subsidized Green funds for SWP projects that are not utilized will be rolled into the Disadvantaged Community or Subsidized Green PWS projects. The TWDB will track how these subsidies are used in the SFY 2014 Annual Report.

5. Green Project Reserve

Previously, the TWDB was required to ensure that at least 20% of the capitalization grant be allocated to green project costs. The capitalization grant for FFY 2013 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 (Green Project Reserve or GPR). 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 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, “Invited Green Projects”, lists invited green projects with project descriptions that detail the green category associated with the project, whether the project is categorically green or may require a business case, and how much of the project’s total cost is applicable to the GPR. Any changes to this list will be reported quarterly in an amended project list.

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.

Information on green project eligibility may be found online at http://www.twdb.texas.gov/financial/instructions/doc/TWDB-0163.docm.

6. American Iron and Steel (AIS)

P.L. 113-76, Consolidated Appropriations Act, 2014 (Act), includes an "American Iron and Steel (AIS)" requirement in section 436 that 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 if the project is funded through an assistance agreement executed beginning January 17, 2014 (the date of enactment of the Act).

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, and construction materials.

Section 436 of the Act also sets forth certain circumstances under which EPA may waive the AIS requirement. Furthermore, the Act specifically exempts projects where engineering plans and specifications were approved by a State agency prior to January 17, 2014. Additional guidance and information is available at http://water.epa.gov/grants_funding/aisrequirement.cfm

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Appendix G. Bypass Procedures

If an entity is offered funding for any project that has an interrelated project ranked lower on the list, the Executive Administrator will have discretion to also offer funding for the interrelated project.

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. Entities that have submitted a completed loan application but had their project(s) bypassed will not be reviewed further for consideration. Reasons for bypassing projects include but are not limited to:

1. **Projects Previously Funded**

   Other projects may be bypassed by those projects that received funding for planning, acquisition and/or design during SFY 2011, 2012, or 2013 and were automatically added to the SFY 2014 PPL and the IPL 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.

6. Project Repetition

Additional funding for a project or portion of a project that was previously funded by the TWDB is allowed under the DWSRF program. However, any entity with a project or portion of a project that has received a commitment for funding from the DWSRF program may not refinance or replace its prior Board commitment through the SRF program.

7. Emergency Relief

The Executive Administrator may bypass projects to provide Emergency Relief funding to replace or rehabilitate an essential portion of a public water system that poses an imminent peril to the public health, safety, environment, or welfare with a threat of failure in response to an emergency condition(s). Projects will be rated by the TCEQ and added to the category "Emergency Relief Projects" on the respective IUP and PPL. Funding will be provided on a first-come, first-served basis from any SRF funds remaining in the current year's Intended Use Plan or other available SRF funds.

8. Readiness to Proceed

The Executive Administrator may bypass projects to include those deemed ready to proceed. Project status will be determined through review of criteria such as permitting requirements, environmental review requirements, construction start dates, and additional applicable schedule information. If a project is determined not to be ready to proceed to construction, the project may still be eligible for funding of the PAD phases.

9. 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 if the applicant fails to demonstrate that the causes of prior failures have been identified and remedied and are not likely to reoccur.

10. Financial Capacity

A project may be bypassed if the Executive Administrator determines that the applicant will be unable to repay the SRF loan for the project. The Executive Administrator's determination must be based on the applicant's lack of capacity to make scheduled loan payments while maintaining all other financial obligations.

11. FMT Capacity

A project may be bypassed if the TCEQ determines that the project will not provide the entity with the financial, managerial and technical capacity required for good stewardship and operation of the project.

Appendix H. Alphabetic List of Eligible Projects

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
47	22.80	10124	Abilene	M	TX2210001	116,412	Implement a trifluoromethane, TTHM, precursor removal and stripping proceses at the city's water treatment plant to lower TTHM in the finished water.	C	3/1/2014	$11,478,000				
207	0.00	10300	Agua SUD	D	TX1080022	39,747	Emergency installation of electricity and a river pump system, pipes and appertenunces to deliver the raw water to the La Havana Water Plant.	PADC	5/31/2013	$1,454,500				10272
169	2.00	10165	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				
139	3.50	10217	Alice	M	tx1250001	19,744	Rehabilitation of the 22.5 mile 20 inch transmission main by slip lining	PAD		$414,000		BC	$414,000	
171	2.00	10269	Amarillo[1]	M	TX1880001	190,695	Design phase and construction services of a proposed 36-inch transmission main from the City of Amarillo's Osage Water Treatment Plant south and west to the City of Amarillo's Arden Road Pump Station for approximately 7.63 miles. Project includes additional pump and 2.5 million gallon ground storage tank at the Arden Road Pump Station.	C	7/1/2013	$18,716,183				9757

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

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

[1]Project received a prior commitment to fund PAD phases.

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14	79.30	9916	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	PAD	6/1/2013	$2,700,741				
193	0.00	10141	Anahuac	M	TX0360001	2,880	Replace water lines and install fire hydrants.	PAD	1/15/2014	$616,965		BC	$418,965	
191	0.00	10152	Anson	M	TX1270001	2,556	The city plans to re-pipe the four clearwells with new piping and valves as well as provide a by-pass for redundancy which the system does not currently have. The city also plans to provide a building around the claricone 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 claricone and filter structure are exposed to blowing dirt and debris causing turbidity issues in the City's treatment process.	PD	7/1/2015	$1,100,000				
16	73.50	9988	Anthony	M	TX0710001	2,355	Water treatment improvements, including arsenic removal, and new tank, replacement of lines, and new meters/pumps	PAD	4/1/2014	$5,910,000	30	Both	$464,500	
91	11.50	10054	Atlanta	M	TX0340001	5,798	Install a new ground storage tank and rehabilitate another ground storage tank, rehabilitate both elevated storage tanks, install new water line with in-line meters, install new high speed pumps & create an asset management plan	PD	9/1/2015	$2,752,800	30	BC	$578,088	

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

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

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17	71.10	10155	Baird	M	TX0300001	1,620	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.	PD	10/1/2015	$4,850,000		BC	$456,650	
3	239.50	10112	Ballinger	M	TX2000001	4,243	Develop a new alternative groundwater supply which will require a raw water transmission system to transfer water to the City's water treatment plant, and reverse osmosis system improvements to treat the groundwater to meet primary and secondary standards. The City currently has access to two surface water supplies, Lake Ballinger (Lake) and O.H. Ivie Reservoir (Ivie). Due to the ongoing drought, Ivie is currently less than 25% full and the City's lake is less than 50% full, with spiking organic levels limiting its use for drinking water.	PADC	4/1/2014	$12,016,000	30			
103	10.00	10293	Bandera Co FWSD # 1	D	TX0100011	847	Emergency construction of a new well, storage and pumping facilities, and lines to tie into the existing system.	PDC	9/1/2014	$1,217,958				10064
110	10.00	10307	Bangs	M	TX0250001	2,550	Install new radio read water meters.	PDC	1/1/2014	$300,000	30			10291
209	0.00	10232	Beaumont	M	TX1230001	131,000	Extend a 36-inch diameter water transmission line from the Water Plant on Pine Street to the new 2 MG elevated storage tank on Dishman Road.	AD	6/1/2013	$9,297,000				9891
99	10.00	10177	Bluff Dale WSC	W	TX0720036	300	Installation of a second well that will allow the continual distribution of water	PADC	5/1/2013	$301,020				9892

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

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168	2.00	10188	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.	AD	2/1/2014	$35,596,300				
4	211.10	10157	Brady[1]	M	TX1540001	5,324	Replace existing old, deteriorated and leaking water lines. The existing waterlines are not adequate for new service requests in the northeast part of the City.	PD	1/1/2014	$400,000	50	BC	$400,000	9638, 9198
230	3.00	10938	Brazosport WA	D	TX0200497	87,377	Construct a 10 MG clearwell to provide additional operational flexibility and provide stored treated water int eh event of a natural disaster. Bring electrical system up to current codes.	DC	7/1/2015	$19,300,000				
73	13.00	10304	Breckenridge	M	TX2150001	5,868	Emergency improvements to deal with the prolonged drought will include intake and pumping improvements for Lake Daniel, pruchasing and treating supply from PK Lake. Improvements will also include waterline replacement to reduce water losses.	PDC	1/1/2014	$9,056,000	30			10288
2	287.80	10222	Bronte[1]	M	TX0410001	977	Four new wells, raw water transmission lines, treatment plant expansion, finished water transmission lines and a new standpipe	C	7/1/2012	$7,823,960	30	CE	$576,000	9840, 9110
203	0.00	10327	Brookesmith SUD	D	TX0250004	8,390	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	2/1/2014	$975,000				10319

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

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211	0.00	10082	Brownsville	M	TX0310001	172,437	Construction of new water service 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.	D	6/1/2014	$1,743,221				
40	26.30	10083	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 City's northern area of town. This area has low pressure due to constant population growth without the infrastructure needed to compensate.	D	5/31/2014	$279,748				
41	26.30	10084	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.	PAD	5/31/2015	$3,840,448				

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

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

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124	8.80	10087	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.	AD	9/15/2013	$1,079,523				
123	10.00	10090	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	10/1/2013	$1,881,668		Both	$1,881,678	
212	0.00	10212	Brownsville	M	tx0310001	172,437	Update and replace filter media and underdrains. Replace surface wash system and update electrical systems to address excess turbidy and aging system.	D	1/27/2014	$4,773,829				
188	0.00	10323	Buffalo Gap	M	TX2210003	648	Replace approximately 8,200 lf of water line and associated appurtenances.	DC	10/1/2013	$400,000				10316
167	2.00	10220	Burnet[1]	M	TX0270001	4,735	Distribution system improvements to address pressure < 20 psi	C	4/1/2010	$1,343,777	70	Both	$1,375,000	8480, 9900
198	0.00	10032	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.	PD	6/1/2014	$1,805,000				
79	12.50	10262	Carbon[1]	M	TX0670015	359	Replace 6" main water line and install two new water wells.	C	4/30/2013	$987,000	50	BC	$708,415	9570
166	2.00	10233	Castroville[1]	M	TX1630005	3,678	Water Line Replacement	C	7/1/2012	$2,373,600				9299, 9899, 9655

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

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

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117	10.00	10317	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	8/1/2013	$88,000				
31	42.90	9912	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.	PAD	7/1/2014	$2,023,700				
108	10.00	10202	Clarendon	M	TX0650001	1,974	Replacement of cast iron mains with PVC and construction of an elevated tank	PD	9/1/2014	$2,465,000				
25	49.10	10168	Clyde	M	TX0300002	3,842	Construction of 104,000 lf of water pipeline and rehabilitation of the surface water treatment plant	PAD	5/1/2015	$8,900,000				
52	22.00	10158	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.	PD	5/1/2015	$10,000,000	30			
141	3.00	10046	Craft-Turney WSC	W	TX0370016	4,968	New well and treatment plant, ground storage tank, pressure tank, new water lines, and asset management plan to address insufficient water supply and storage, pressure, and loop system.	PAD	5/1/2015	$2,002,560				

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

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

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158	2.50	10049	Craft-Turney WSC	W	TX0370016	4,968	Install new AMR/AMI metering system and asset management plan	PDC	5/1/2015	$1,261,000		CE	$968,000	
177	0.50	10036	Cushing	M	TX1740001	1,236	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.	PAD	5/1/2015	$1,341,430		BC	$300,000	
12	82.50	10057	Cyndie Park II WSC	W	TX1780050	66	Upgrade the water system including a new chlorine system, new well and well meter, replace water storage tank and accessories, and prepare a drought contingency plan, plant operations manual, and monitoring plan. The water system currently lacks appropriate chlorination facilities and their water has exceeded allowed levels for Arsenic, Total Dissolved Solids, and chloride, as well as numerous other violations.	PD	2/1/2014	$1,484,000	70	BC	$30,000	
142	3.00	10038	D & M WSC	W	TX1740010	5,742	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.	PD	5/1/2015	$1,389,764				
143	3.00	10040	D & M WSC	W	TX1740010	5,742	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.	PD	5/1/2015	$1,145,750		BC	$50,000	
86	12.50	10268	Del Rio[1]	M	TX2330001	35,378	Distribution Line Replacement	C	3/1/2014	$50,938,117		BC	$4,602,697	9634
64	15.50	10117	DeLeon[1]	M	TX0470002	2,335	Replace existing pipes that are deteriorating and undersized. Replacement of leaking water distribution lines will reduce water loss for the City.	C	3/1/2014	$1,275,500	50	BC	$1,334,737	9619

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60	20.00	10056	Dell City[1]	M	TX1150001	405	Install new Reverse Osmosis water treatment facility. Currently, the 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.	C	5/1/2014	$1,129,275	70			
57	20.00	10058	Derby WSC	W	TX0820016	51	Upgrade the water system including new chlorine system, well repair and well meter replacement, 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.	PD	2/1/2014	$194,000	50	BC	$10,000	
197	0.00	9998	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.	PAD	7/1/2014	$4,800,000				
32	40.00	10179	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	1/1/2014	$2,340,000				
53	22.00	10171	Eagle Pass[1]	M	TX1620001	35,826	Replacement of inadequately sized pipe that does not meet current standards	C	6/1/2013	$64,319,125	30	BC	$5,130,055	9621

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97	10.50	10042	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.	PD	4/15/2014	$7,273,968	30	CE	$7,220,101	
71	13.50	10045	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.	PAD	4/15/2014	$7,375,548	30	CE	$5,384,150	
85	12.50	10302	East Rio Hondo WSC	W	TX0310096	18,996	Emergeny 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.	PADC	4/15/2014	$1,905,745	30			10284
120	10.00	10303	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 in order to double current plant capacity. This new distribution trunkline would allow full utilization of that additional capacity.	PADC	4/1/2014	$1,139,288	30			10287

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192	0.00	10080	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 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. Planning of an asset management plan will take place as well.	PDC	9/1/2014	$633,106		CE	$633,106	
69	13.50	10108	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	PAD	6/1/2015	$2,631,000		BC	$326,795	
208	0.00	10154	Edinburg	M	TX1080004	55,021	Expansion of the West Water Treatment Plant from 8.0 MGD to 16.0 MGD to provide a total treatment capacity of 25.99 MGD with a required treatment capacity of 16.67 MGD. The expansion will also include a 2.0 MGD clearwell/ground storage tank.	C	6/1/2013	$10,175,000				

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119	10.00	9976	El Campo	M	TX2410002	13,200	The City of El Camp intends to replace the existing asbestos cement and cast iron 6-inch water lines beneath US Hwy 71 with a new 12-inch PVC line to be located behind the curb and outside the TxDOT maintained pavement. The existing 6-inch line is undersized and experiences frequent leaks causing TxDOT pavement failures and traffic congestion on Hwy 71. In addition to the longitudinal line replacement, the City will replace all lateral lines, valves, and services beneath Hwy 71. These lateral lines range in size from 2- to 10-inches. In addition, all fire hydrants, valves and leads will be replaced along the route.	PAD	10/1/2013	$4,025,000				
201	0.00	9985	Elsa	M	TX1080005	6,000	Water treatment plant improvements including chlorination, lagoon pumping/piping, and repair storage tank	PD	8/1/2014	$1,420,750		BC	$47,000	
200	0.00	10301	Elsa	M	TX1080005	6,000	Emergency secondary raw water supply line to Engelman's Irrigation main canal located 1.7 miles northwest of the water plant. This represents a secondary source of raw water. The proposed improvements consist of installing 12,700 lineal feet of 30-inch PVC pipe from the existing main canal. Other improvements include the installation of gate structures, control structures, metering devices, vent structures, fittings, and a SCADA.	PDC	8/8/2013	$1,285,510				10278

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229	3.00	10937	Euless	M	TX2200031	52,780	The project will replace the City's aging, drive-by read water meter infrastructure for its 14,016 water connections with fixed base, automated meter reading (AMR) units. The project will enhance the city's water efficiency, reduce its demand for treated water from the Trinity River Authority (TRA) and raw water from the Tarrant Regional Water District (TRWD), and help defer the need for additional raw water supplies and potable water treatment and distribution facilities.	C	10/1/2014	$5,000,000		BC	$5,000,000	
95	10.50	10079	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. Planning of an asset management plan will take place as well.	DC	9/10/2014	$854,830	30	CE	$854,829	
105	10.00	10170	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.	PD	3/1/2014	$1,196,000		BC	$359,000	

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8	141.20	10156	Gorman	M	TX0670003	1,236	Drill new water well and build a new 100,000 elevated tank to replace an existing 75,000 gallon elevated tank which has lead based paint and is in a state of disrepair. Additional water is needed for new connection requests from the City of Desdemona.	PAD	7/1/2015	$2,100,000	50			
101	10.00	10172	Graford	M	TX1820003	578	Replace existing old, deteriorated and leaking water lines.	PD	1/1/2014	$430,000		BC	$430,000	
118	10.00	10121	Graham	M	TX2520001	8,716	Increase plant storage capacity from 1 MG to 2 MG to meet minimum capacity requirements	P	11/15/2013	$1,930,500				
36	32.30	10122	Graham	M	TX2520001	8,716	Plant expansion and rehab 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.	P	11/15/2013	$16,600,000		BC	$1,500,000	
37	30.00	10123	Graham	M	TX2520001	8,716	Water transmission line from water treatment plant plant	C	11/15/2013	$11,900,000				
54	21.00	10279	Graham	M	TX2520001	8,716	Install additional transmission line from plant to distribution system. Replace aging lines.	C	11/15/2013	$1,893,000				
210	0.00	10063	Grand Prairie	M	TX0570048	166,650	Automatic meter (AMI) conversion Phase 1 of 6,500 meters will save money for the water system by reducing personnel time and transportation expenses and achieves conservation goals.	PDC	11/1/2013	$4,000,000		CE	$4,000,000	
138	3.50	10066	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	12/1/2013	$470,000		CE	$470,000	
70	13.50	10091	Grand Saline	M	TX2340003	3,028	Replacement of 38 year old deteriorated water lines and inoperable valves with a history of problems, and the development of an Asset Management Program.	PAD	6/1/2014	$2,172,000	30	BC	$695,500	

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162	2.00	9911	Greater Texoma UA	I	TX0910001	26	Drill and complete a new 300 gpm "Paluxy" formation water supply replacement well.	PAD	11/1/2014	$1,207,824				
183	0.00	9913	Greater Texoma UA	I	TX0490016	26	Replace twenty miles of 45 year old asbestos cement pipe that is in poor condition.	PDC	11/30/2014	$8,591,688		BC	$8,591,688	
163	2.00	9914	Greater Texoma UA	I	TX0490016	26	Supplemental Well	PD	6/30/2014	$1,188,265				
184	0.00	10102	Greater Texoma UA	I	TX0910009	26	Upgrade disinfection system.	PD	1/1/2014	$156,479				
164	2.00	10142	Greater Texoma UA	I	TX0910009	26	Water Line Replacements	PD	1/1/2014	$1,080,685		BC	$1,080,685	
51	22.00	10196	Greater Texoma UA	I	TX0910006	26	Replacement of 3,500 lf of existing 12 inch water main on the west side of Texoma Highway	PD	6/1/2014	$400,978		BC	$400,978	
224	0.00	10376	Greater Texoma UA	I	TX0490016	1,906	Replace all asbestos cement pipe with polyethylene pipe and provide distribution system with needed storage.	PDC	3/1/2015	$3,325,183				
225	0.00	10379	Greater Texoma UA	I	TX0910009	3,046	Connect to the Collin-Grayson Municipal Alliance distribution system.	PAD	3/1/2015	$3,286,064				
28	44.00	10095	Greenbelt MIWA	D	TX0650013	22,000	A well field, supplying up to 3 MGD, will be constructed on the North Ogallala Aquifer. This well field will be connected to the GMIWA treatment plant with a new, 16-inch pipeline approximately 15 miles long. Studies have shown that the GMIWA will require up to 2,000 acre-feet of additional supply and the proposed project seeks to remedy this shortfall.	ADC	7/1/2014	$10,000,000	30			
157	2.50	10130	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 pipline in order to transmit the water from the quarry to Lake Groesbeck. Will also complete an asset management plan.	PAD	1/1/2015	$10,252,000				

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187	0.00	10159	Gustine	M	TX0470003	442	Rehab the existing 30,000 gallon storage tank	PDC	3/1/2014	$142,000		BC	$142,000	
43	26.00	10216	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.	PD	1/1/2015	$6,540,025	70	BC	$929,982	
137	4.00	10092	Harris Co MUD # 148	D	TX1010938	3,141	Replacement of 38 year old deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PD	1/1/2014	$1,001,000		BC	$966,000	
68	14.00	9973	Harris Co WCID # 36	D	TX1010239	12,432	Water line replacement and rehabilitation along with upgrades to water pumping facilities to prevent water loss and improve efficiencies	PD	7/1/2014	$5,000,000	70	BC	$876,200	
196	0.00	10331	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	3/1/2014	$1,400,000				10330
222	12.50	10361	Hazy Hills WSC	P	TX2270091	219	System does not meet TCEQ standard for pumping capacity per tap, System needs additional well.	PAD		$94,000				
92	11.00	10175	Hico	M	TX0970002	1,379	Replacement of waterlines, deteriorated ground storage tank and aging water meters to address low water pressure issues.	PDC	1/1/2014	$3,031,785	50	BC	$3,100,000	9890
223	0.00	10375	Holly Huff WSC	W	TX1210004	729	200 GPM New Well	PD	1/1/2015	$200,000				

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84	12.50	10235	Hondo[1]	M	TX1630002	11,165	The proposed project will replace approximately 4.5 miles of aging water line to reduce water loss. Also replace the City's North Elevated Storage Tank (EST); rehabilitate the City Yard EST and Golf Course GST; and demolish the Spatz Road GST and high service pump station.	C	4/1/2013	$4,520,000				9377, 9378
49	22.50	10229	Honey Grove[1]	M	TX0740003	2,280	Distribution improvements	C	1/1/2013	$5,809,450	30			9222
130	5.50	10194	Houston	M	TX1010013	2,700,000	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.	PD	9/15/2014	$8,800,000				
128	6.00	10195	Houston	M	TX1010013	2,700,000	Replace water meters that have exceeded their useful life. Water meters have a certain useful life. When the useful life is exceeded, the meters do not perform their intended function of accurately reading water consumption. The City loses revenues and leaks or high use goes undetected.	C	7/1/2014	$6,050,000		BC	$6,050,000	
131	5.50	10197	Houston	M	TX1010013	2,700,000	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	9/15/2014	$5,500,000				

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144	3.00	10198	Houston	M	TX1010013	2,700,000	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	7/31/2014	$8,800,000				
145	3.00	10199	Houston	M	TX1010013	2,700,000	Rehabilitate ground water wells. Ground water wells are experiencing decreased production capacity.	C	7/31/2014	$6,600,000				
129	6.00	10200	Houston	M	TX1010013	2,700,000	Install automatic meter reading devices to lower personnel and fuel costs and emissions. Reading water meters manually requires a high level of personnel and fuel costs and adds to emissions in the City.	C	7/1/2014	$1,320,000		CE	$1,320,000	
146	3.00	10204	Houston	M	TX1010013	2,700,000	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	7/31/2014	$8,250,000				
147	3.00	10207	Houston	M	TX1010013	2,700,000	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	7/16/2014	$12,650,000				

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148	3.00	10208	Houston	M	TX1010013	2,700,000	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	7/23/2014	$9,735,000				
149	3.00	10209	Houston	M	TX1010013	2,700,000	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	7/31/2015	$8,250,000				
125	8.50	10210	Houston	M	TX1010013	2,700,000	Replace aged water distribution lines with new plastic pipe. The existing system has limited capacity and cannot support current fire protection demands in certain areas. Existing pipe material is Cast Iron or Asbestos Cement. Pipes are old and require frequent repairs and maintenance. The quality of water has been impacted by the age of water lines. Water lines in the vicinity experience low pressure occasionally.	C	9/4/2014	$59,400,000		BC	$59,400,000	
174	0.50	10004	Jarrell	M	TX2460169	10	DWSRF funds will allow the City of Jarrell to purchase a water system.	PA	4/1/2010	$2,150,000				
89	11.50	10050	Jefferson	M	TX1580001	2,205	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	PD	1/1/2015	$1,593,000	30	BC	$1,115,000	
90	11.50	10052	Jefferson	M	TX1580001	2,205	Replace water lines and create an asset management plan to address the aged and degraded system	PD	1/1/2015	$3,583,080	30	BC	$3,558,080	
100	10.00	9978	Kendleton	M	TX0790018	499	Water system line replacements, water line extensions to unserved areas and replacing water meters	D	6/1/2014	$1,039,900	30	BC	$30,000	

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106	10.00	10326	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	3/1/2014	$1,250,000				10321
154	2.50	10192	Kosse	M	TX1470003	497	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.	PAD	11/1/2013	$2,476,000				
62	16.90	10017	La Feria	M	TX0310003	7,149	Build a new water desalination plant to treat brackish and salt water. Due to exceptional drought conditions new water sources are needed to meet the community's demands. An emergency disaster proclamation has been issued by the Governor of Texas due to prolonged historic drought conditions.	PD	9/30/2014	$6,092,920	30			
202	0.00	10062	La Grulla	M	TX2140006	6,693	The proposed project will involve replacing the existing water meters with AMR water meter 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	9/1/2014	$1,578,259		CE	$1,578,259	

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112	10.00	10116	La Joya	M	TX1080213	3,046	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 for customer service connections and firefighting. Also an Advanced meter reading infrastructure (AMI) system with leak detection will be installed throughout the potable water distribution system.	PD	2/1/2014	$3,102,414	30	BC	$988,848	
113	10.00	10118	La Joya	M	TX1080213	3,046	Expand water treatment plant to alleviate inadequate water treatment capacity, a new SCADA system, and green power infrastructure including two 1OOKW wind turbines and 11 solar LED lights. These units will provide cost savings and reduce the utility's carbon footprint. The SCAD A system will combine health monitoring and AMR equipment with advanced power systems monitoring, physical security, and network cyber security.	C	2/1/2014	$6,469,080	30	BC	$2,450,000	
34	32.50	10253	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.	PD	8/1/2014	$2,362,100	50	BC		
165	2.00	10230	Lake Palo Pinto Area WSC[1]	W	TX0470001	1,584	Surface water treatment plant expansion, booster disinfection and new elevated storage tank	C	4/1/2013	$1,880,015		BC	$883,440	9490, 9897, 9648
173	1.00	10324	Laredo	M	TX2400001	199,715	The system will lower its losses from 11% to 10% through installation of radio read meters.	C	5/14/2013	$11,701,058				10315
150	2.50	9931	Lass Water Company	P	TX1011459	48	Install pressure tank to comply with TCEQ pressure and capacity rules.	P	12/1/2013	$23,000				
78	12.50	9934	Lass Water Company	P	TX2490049	315	Replace well to comply with TCEQ pressure, capacity, and contaminant rules.	P	12/1/2013	$89,000				

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98	10.00	9936	Lass Water Company	P	TX1250033	111	Construct new well, ground storage tank, and booster pump to alleviate deficiencies and come into compliance with TCEQ capacity rules.	P	12/1/2013	$195,000				
133	5.00	9963	Lass Water Company	P	TX1013143	23	Install pressure tank and replace well to resolve system deficiencies	P	12/1/2013	$54,000				
151	2.50	9965	Lass Water Company	P	TX1160097	93	Install water pressure tank and replace well to resolve system deficiencies	P	12/1/2013	$120,000				
185	0.00	9967	Lass Water Company	P	TX1250039	120	Install ground storage tank and booster pump to resolve system deficiencies	P	12/1/2013	$128,000				
152	2.50	9969	Lass Water Company	P	TX0610016	195	Install well, ground storage tank, and booster pump to resolve system deficiencies	P	12/1/2013	$97,500				
45	25.00	9990	Lass Water Company	P	TX0910143	201	Replace well to address system deficiencies	P	12/1/2013	$89,000				
134	5.00	9991	Lass Water Company	P	TX1013097	33	Install water pressure tank and replace well	P	12/1/2013	$54,000				
66	15.00	9992	Lass Water Company	P	TX2200117	7,347	Replace well to resolve system deficiencies	P	12/1/2013	$89,000				
186	0.00	9993	Lass Water Company	P	TX0610016	195	Install water meters to address system deficiencies	C	12/1/2013	$26,400				
59	20.00	10085	Lass Water Company	P	TX1250033	111	Upgrade the water system including new chlorine system, well repair and well meter replacement, 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.	PD	2/1/2014	$954,000	70	CE	$50,000	
9	111.10	10261	Lawn[1]	M	TX2210005	927	Abandon WTP and construct new treated water supply; build taller standpipe; replace old and deteriorated water lines.	C	1/1/2014	$4,889,400	70			9625
204	0.00	9927	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.	PD	11/1/2014	$1,447,300				

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205	0.00	9928	Liberty	M	TX1460003	9,729	Construct a 150,000 gallon elevated storage tank to remedy low water pressure in the Northeast service area.	PAD	1/1/2015	$1,275,600				
206	0.00	9929	Liberty	M	TX1460003	9,729	Construct new well, ground storage tank, and pumps to supplement existing malfunctioning well that produces low quality water.	PD	4/1/2015	$2,345,200				
175	0.50	10033	Lilbert-Looneyville WSC	W	TX1740013	618	Install new water lines to replace deteriorating lines, line looping, and establish an asset management plan to address system deficiencies	PD	5/1/2015	$985,609				
140	3.00	10039	Lilbert-Looneyville WSC	W	TX1740013	618	New well, 30,000 gal. GST, pressure tank, and asset management plan to increase water supply and pressure	PD	5/1/2015	$969,314		BC	$175,000	
176	0.50	10043	Lilbert-Looneyville WSC	W	TX1740013	618	Install 6-inch lines system-wide and an asset management plan to address system deficiencies & provide looping	PD	5/15/2015	$1,004,783				
220	22.50	10368	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.	PAD	2/1/2015	$2,202,950	30			
10	85.30	10219	Live Oak Hills Subdivision	P	TX1540012	60	Install a radium removal system with a building and plumbing to house it.	C	8/30/2013	$100,000				9888
104	10.00	10167	Lone Oak	M	TX1160006	900	Construction of new water plant and replacement of distribution lines	PAD	3/1/2015	$1,500,000	50	BC	$150,000	

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46	23.00	10211	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 will address low pressure. Replacement of exisiting fire hydrants will address water loss. Prepare an asset management plan.	PD	10/21/2014	$12,177,885	30	Both	$420,000	
219	16.50	10363	Lyford	M	TX2450003	2,611	Emergency project to install two ground water wells at the water treatment plant for a new water supply source. Also includes construction of a 1.0 MGD reverse osmosis membrane treatment facility to treat the brackish groundwater.	PADC	7/1/2014	$4,180,000	50			
181	0.50	10205	Marshall	M	TX1020002	23,854	Extension of 8 inch PVC water line to provide looping and address delivery deficiencies. Implement asset management plan.	PAD	5/15/2015	$2,756,208				
182	0.50	10206	Marshall	M	TX1020002	23,854	Installation of an Automatic Meter Reading and leak detection system	PAD	5/1/2015	$6,243,636		CE	$4,292,520	
155	2.50	10176	Matador	M	TX1730001	740	Replacement of deteriorated water transmission and distribution lines	PDC	1/1/2014	$730,000		BC	$500,000	9893
115	10.00	10024	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.	PD	1/1/2014	$1,385,834	30	BC		
116	10.00	10026	Mathis	M	TX2050003	5,769	System improvements include replacing valves and chemical feed pumps, rehabilitating clarifiers and raw water piping, and filling in lagoons.	PD	1/1/2014	$1,783,345	30			

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199	0.00	10119	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	3/1/2014	$410,000		CE	$410,000	
132	5.40	9983	McAllen	M	TX1080006	141,060	Produce 6 MGD water source using geothermal energy/pressure to provide an alternative water source	PAD	10/1/2013	$16,430,000		Both	$16,430,000	
5	165.00	10223	Menard[1]	M	TX1640001	1,493	New WTP, new wells and well rehabilitation	C	6/1/2012	$5,865,000	50	CE	$224,886	9160, 9896
195	0.00	10144	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	PD	5/1/2014	$1,000,000				
65	15.50	10201	Mexia	M	TX1470004	6,790	Replacement of deteriorated water meters	PDC	5/1/2014	$1,880,000	30	CE	$1,880,000	
20	59.80	10003	Moulton	M	TX1430002	886	Develop and implement an Asset Management Plan to document assets and record their useful life and replacement costs. The City has violated TCEQ regulations for Total Trihalomethane (TTHM) and Total Coliform (TCR); they also have capacity issues and high arsenic levels in one well. One well is inoperable and they are experiencing excessive water loss due to an aging distribution system. The Asset Management Plan is needed to begin to address their many issues.	PD	12/1/2013	$92,800				
190	0.00	10328	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	2/1/2014	$460,000				

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82	12.50	10113	New Deal[1]	M	TX1520015	801	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	1/15/2015	$1,033,000		BC	$692,000	9618, 10113
80	12.50	9920	New Ulm WSC[1]	W	TX0080014	465	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.	D	6/1/2014	$438,965	70			9806
135	5.00	10296	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	1/6/2014	$3,954,500		BC	$2,886,800	10214
160	2.50	10297	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	1/6/2014	$793,944				10255
127	7.00	10298	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	1/6/2014	$1,320,575				10256
136	5.00	10299	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	1/6/2014	$3,059,360				10257

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15	76.80	10000	North Runnels Co WSC	W	TX2000005	1,500	Install pump station, transmission and distribution lines for purchase water from Bronte to reduced THM levels. Also, provide public water to 200 households around Oak Creek Reservior.	PAD	7/1/2015	$6,000,000				
226	73.90	10388	O'Brien	M	TX1040005	110	This project includes reconstructing the chlorine dispensing and liquid ammonium nitrate systems, ground pump replacement or repair, and a meter for the city's stand pipe. The project also includes water meter replacements, pump station electrical rehabilitation, and a service pump replacement.	C		$170,000	50			
180	0.50	10068	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.	PD	9/1/2014	$5,930,000				
11	85.30	10151	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.	PD	7/1/2015	$1,700,000	70			
189	0.00	10162	Palo Pinto WSC	W	TX1820004	957	Replacing existing distribution lines which cause significant water loss and water outages.	PD	1/1/2014	$1,519,000		BC	$1,469,000	
153	2.50	10161	Parker County SUD	D	TX1840025	390	Material costs for 0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PAD	3/1/2014	$250,000		BC	$250,000	
18	70.30	10174	Plains	M	TX2510002	1,481	Provide precipitation treatment and activated alumina treatment to lower arsenic and floride levels	D	1/2/2014	$250,000				9889

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83	12.50	9982	Point	M	TX1900004	1,908	Replace the system meters with AMR smart meters to improve detection of water loss	PDC	1/1/2014	$429,700		CE	$429,700	
72	13.50	9987	Port Arthur	M	TX1230009	57,755	Replace water lines to reduce leaks and increase pressure	D	3/1/2015	$11,176,236		BC	$7,894,476	
231		10939	Port Mansfield PUD	D	TX2450004	578	The PUD is requesting DWRSF funds for the elevated storage tank. Due to urgent structural deficiences in the ground storage tanks, the PUD is seeking emergency funding through alternative sources. The PUD has not yet completed the design for the rehabilitation of the elevated storage tank. However, the initial assessment of the elevated storage tank suggests rehabilitation measures, including structural repairs, the replacement of appurtenances, and the replacement of interior/exterior coating.	PDC	9/1/2016	$380,000	30			
109	10.00	10183	Ralls	M	TX0540003	2,250	Install/retrofit existing meters with automatic readers as well as replace problematic (leaking) distribution lines.	PD	6/1/2013	$586,396	30	Both	$586,396	
55	21.00	10294	Raymondville	M	TX2450001	9,733	Emergency project to provide Reverse Osmosis Treatment to their existing water well, reclaim its effluent from the WWTP discharge and other pretreatment upgrades. This project is needed to address its raw water storage needs for times of extreme drought.	PDC	3/1/2014	$3,311,000	50	CE	$1,794,000	10076
56	20.50	10267	Reklaw[1]	M	TX0370039	594	Drill new water well.	C	11/1/2013	$1,108,050	30			9743
23	50.50	10225	Riesel	M	TX1550040	1,242	Arsenic Treatment	PD	1/1/2014	$1,222,500				9884
159	2.50	10218	Rio Grande City	M	TX2140018	14,040	Replace existing broken/malfunctioning water meters with 100% lead-free smart meters with built in leak detection. Install AMR system.	D	1/6/2014	$3,558,630		CE	$3,558,330	

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27	44.50	10292	Rio Hondo	M	TX0310006	2,356	Rehabilitation of the treatment plant, replacement of distribution lines, replacement of meters, and new pumping system	PDC	7/15/2014	$3,594,165	70	Both	$5,309,758	9981
93	11.00	10061	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	9/1/2014	$938,852	30	CE	$938,851	
48	22.50	10150	Rising Star	M	TX0670005	834	Replace 7000 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.	PD	12/1/2014	$1,383,000	30			
1	359.10	10221	Robert Lee[1]	M	TX0410002	1,031	New wells, transmission line for purchased water, SWTP upgrades, new intake and replace meters	C	4/1/2012	$11,055,400	70	BC	$224,953	9809, 9211
44	25.50	10213	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.	PD	2/1/2014	$3,060,000	30			

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35	32.50	10153	Rotan	M	TX0760002	1,440	Replace 14 miles of water line with a new 12" PVC water line, add an 8" line to connect to Bitter, and add a ground storage tank at Camp Springs where additional disinfectant can be added for the final segment of line to Rotan. The new tank will also lower the pressure to Rotan and thus reduce the water loss being experienced along the old line. The system has been cited by TCEQ for low disinfection residuals. It is believed that the iron bacteria, in the old cast iron line, contribute to the low disinfection residuals.	PD	8/1/2015	$5,200,000	50	BC	$2,800,000	
179	0.50	10034	Rusk	M	TX0370003	5,340	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 and implement an Asset Management Plan to coordinate future infrastructure needs.	PAD	5/1/2015	$775,906				
213	0.00	10182	San Antonio Water System	M	TX0150018	1,281,002	Replacement of all electrical switchgear, chlorination and fluoridation equipment to bring them into compliance with fire codes & to add a 7.5 MG storage tank fornew water sources	C	11/15/2013	$21,116,880				
214	0.00	10184	San Antonio Water System	M	TX0150018	1,281,002	Replacement of all electrical switchgear, chlorination and fluoridation equipment to bring into compliance with fire codes	C	5/1/2013	$5,419,200				
215	0.00	10185	San Antonio Water System	M	TX0150018	1,281,002	Replacement of approximately 38,000 aging meters	C	5/1/2013	$4,682,512		BC	$4,150,000	
216	0.00	10187	San Antonio Water System	M	TX0150018	1,281,002	Replacement of approximately 60,000 lf of 6 - 12 inch water main	C		$3,490,199		BC	$3,490,199	
217	0.00	10190	San Antonio Water System	M	TX0150018	1,281,002	Provide scales for chlorine containers and secondary containment at chlorine buildings	C	8/31/2014	$8,863,800				
161	2.50	10191	San Antonio Water System	M	TX0150018	1,281,002	Improvement of fire flow by installing 12 inch water main, pressure reducing valves and connection to SCADA	C	1/2/2014	$5,100,026				

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218	0.00	10193	San Antonio Water System	M	TX0150018	1,281,002	Addition of a 10 mgd pump for pressure zone 8 at the University Pump Station	C	3/1/2014	$6,097,780				
228	0.00	10932	San Antonio Water System	M	TX0150018	1,659,593	Transport water supplies to the SAWS distribution system. This project will construct two segments of the transmission pipeline and two pump stations that will deliver 50 MGD of water.	C	9/23/2014	$82,413,313				
121	10.00	10018	San Benito	M	TX0310007	26,000	Water System Improvements	AD		$4,965,412	50			
122	10.00	10178	San Juan[1]	M	TX1080010	30,000	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	12/1/2013	$4,210,000	30			9730
227	24.00	10383	San Marcos	M	TX1050001	62,865	Expand the City's reclaimed water system to provide irrigation in City parks and to provide chill plant make-up water and irrigate 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.	PD	11/1/2014	$22,068,800	50	CE	$22,068,800	
29	43.83	10338	San Pedro Canyon Water Co	P	TX2330011	150	Drill a new well meeting TCEQ regulations and requirements for a public water well: following an engineered plan for cemented casing to seal off entry of contaminants to depths determined by geophysical logging when the well is drilled. Initiate asset managemnet plan and training.	PDC		$240,281				10337

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

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

[1]Project received a prior commitment to fund PAD phases.

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
19	65.30	10148	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.	PD	8/1/2015	$2,000,000	30	BC	$295,379	
21	59.30	10096	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.	PAD	10/15/2013	$7,210,000				
107	10.00	10181	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.	PD	7/15/2013	$500,000	30			
67	14.00	10008	Skyline Ranch Estates WSC	W	TX1050078	189	New well, storage tank and many system improvements to meet TCEQ contaminate and capacity requirements. Upgrades will be made to the pump controls and pump building, access road, security, and SCADA system. The system is currently experiencing problems with high levels of Total Dissolved Solids (TDS), iron, and sulfate and they do not have the required well capacity.	PADC	9/1/2013	$488,980				

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

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
38	26.40	10145	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.	PAD	7/1/2015	$7,820,000				
39	26.40	10146	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.	PAD	7/1/2015	$11,100,000				
26	47.50	10072	Sol Y Mar WS	P	TX1080238	84	This project will install two booster pumps, two mechanical meters, two water softeners, and finally two nitrate removal systems to bring the system into TCEQ & EPA compliance. Sol Y Mar has been under enforcement action by both TCEQ and EPA for having high nitrates in its system. EPA has given the water system 18 months to fix the problem.	PD	12/1/2013	$198,700				
42	26.00	10099	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.	PD	3/15/2015	$2,078,000	30	BC	$2,078,000	

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

Green Type: BC-Business Case; CE-Categorically Eligible; Both-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)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
102	10.00	10295	Strawn	M	TX1820005	632	Emergency project to abandon the old existing WTP and connect to the City of Ranger's water supply.	PADC	1/1/2014	$1,580,000		BC	$1,580,000	10166
81	12.50	10160	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. Downtime, install chemical storage facilities and building upgrades to address system deficiencies.	PD	5/1/2013	$1,256,000		BC	$1,256,000	
77	12.50	10325	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	9/1/2013	$241,489				10320
75	13.00	10086	Sweetwater	M	TX1770002	11,560	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.	PD	3/1/2014	$7,673,000	30			
87	12.00	10305	Sweetwater	M	TX1770002	11,560	Emergency project will develop additional well fields to allow adequate recharge of the existing well fields and supplement the water supply capacity lost from the reduction in surface water supplies.	PDC	8/1/2013	$1,894,000	30			10289
178	0.50	10029	Swift WSC	W	TX1740019	2,376	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.	PD	5/15/2015	$594,977		BC	$619,977	

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

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
111	10.00	10215	Tahoka	M	TX1530002	2,837	Replace 60,000 lf of waterline with HDPE or PVC pipe and construction of a 1.5 mg ground storage tank	D	10/7/2013	$3,141,500		BC	$1,810,000	
50	22.50	10139	Texas State Technical College	S	TX1550138	2,502	Replace cast iron, calcified pipes with smaller pipes to provide adequate service and stop nitrification episodes.	PD	3/1/2014	$8,500,000		BC	$100,000	
58	20.00	9995	Texas Water Company	P	TX0610051	59	Construct an interconnect line to the Town of Colony to address capacity issues	D	1/1/2014	$99,800				
156	2.50	10180	Tioga	M	TX0910007	1,059	Drill a new well to replace Well #2 approximately 1,600 feet deep into the Antlers formation to produce water with iron content below secondary limits. Improve energy efficiency with more efficient pump and motor and lower pumping head. Reduce unaccounted for water by metering public facilities.	PAD	9/30/2013	$435,000		BC	$275,000	
88	11.50	9915	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.	A	4/1/2014	$296,000		BC	$100,000	
221	19.00	10378	Twin Buttes Water System Inc.	P	TX2260026	105	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.	AD	4/1/2014	$345,799				

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22	50.80	10189	Upper Colorado RA	A	TX2000002	10,838	In order to use the existing raw water system, 6.5 miles of 36" pipline 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	4/1/2016	$19,140,000				
7	143.70	10306	Upper Leon River MWD	D	TX0470015	2,316	Emergency project to develop a groundwater supply source to augment existing surface water supplies to provide additional raw water to the District in the event that the water level in Lake Proctor drops too low.	PADC	10/1/2013	$5,279,000	30			10290
6	161.60	10104	Upper Leon River MWD[1]	D	TX0470015	2,316	Replace the existing conventional filters at the water treatment plant with a new membrane filtration system. Upgrade existing transfer pump stations with new low-voltage pumps, motors and motor control centers.	C	6/1/2014	$12,201,000	30	BC	$6,100,500	9626
63	16.00	10114	Valley WSC[1]	W	TX0630013	220	Install new water lines to eliminate leaks and reduce water loss. Due to line losses, only 33% of the water purchased from the City of Spur is being delivered and billed to the WSC customers.	C	3/1/2014	$981,000	70	BC	$949,539	9595

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

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
24	49.20	10186	Vinton	M	TX0710151	30	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.	AD	1/2/2015	$15,031,331	70			
13	81.33	10342	Vista Verde Water Systems Inc	P	TX1700694	66	Drill a new water well in a different water table to improve water quality. Gross alpha and combined radium 266 & 228 must be corrected by 12/15/2013.	PDC	9/15/2013	$105,000				10341
94	11.00	9959	Weslaco	M	TX1080011	28,111	Replacement of existing 16" asbestos water line to reduce water loss	PD		$498,355		BC	$498,355	
76	13.00	9960	Weslaco	M	TX1080011	28,111	Replacement of existing 8" cast iron water line on 8th Street to reduce water loss	PD		$171,350		BC	$171,350	
170	2.00	9961	Weslaco	M	TX1080011	28,111	A new well to supplement existing system to address potential drought issues	PD		$3,785,000		CE	$300,000	
33	33.00	10334	West	M	TX1550009	2,695	City will construct a new 150,000 gallon elevated storage tank to solve pressure problems in the norther portion of the distribution system. The City will also construct a new water well and pump station to make the City's water supply more reliable. Project will also include creation of an asset management program.	PDC	3/18/2014	$7,145,225	50			10333
96	10.50	10335	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	3/18/2014	$491,500	50			10332

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

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
194	0.00	10169	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 haul water or depend on shallow wells which have poor quality and low quantity.	PAD	5/1/2015	$10,500,000				
61	20.00	10164	West Tawakoni	M	TX1160012	1,750	Replace existing 2 inch lines with 6 inch lines and install fire hydrants	PD	1/1/2014	$2,274,000	30	BC	$2,274,000	
172	1.30	10131	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.	PD	3/1/2015	$2,000,000				
74	13.00	10260	White River MWD[1]	D	TX0540015	10,833	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	3/1/2013	$39,718,118	50	BC	$7,300,155	9525
126	8.00	10173	Wiedenfeld Water Works	P	TX1630038	108	Drill new well into the Trinity Aquifer	DC	3/1/2013	$350,000				9883
114	10.00	10163	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		BC	$684,000	
30	43.50	10134	Winters	M	TX2000003	2,582	Develop an alternative groundwater supply, requiring a raw water transmission system to transfer water to the city's water treatment plant.	PAD	12/1/2014	$1,920,000	30			
Totals		**231**								**$1,159,476,364**	**74**	**94**	**$249,548,350**	

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

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Appendix I. Alphabetic List of Ineligible Projects

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	PIF #	Entity	Project Cost	Ineligible Description
1	9957	Weslaco	$832,320	Reservoir project for growth.

Total	**$832,320**	

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Appendix J. Projects Ineligible for Disadvantaged Status

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Projects listed are not eligible for Disadvantaged Community funding but are eligible for Mainstream funding.

	PIF	Entity	Project Cost	Ineligible
1	10165	Alice	$4,694,138	FTR
2	10217	Alice	$414,000	FTR
3	10152	Anson	$1,100,000	AAMHI
4	10155	Baird	$4,850,000	AAMHI
5	10082	Brownsville	$1,743,221	HCF
6	10083	Brownsville	$279,748	HCF
7	10084	Brownsville	$3,840,448	HCF
8	10087	Brownsville	$1,079,523	HCF
9	10090	Brownsville	$1,881,668	HCF
10	10212	Brownsville	$4,773,829	HCF
11	10202	Clarendon	$2,465,000	HCF
12	10168	Clyde	$8,900,000	AAMHI
13	10057	Cyndie Park II	$1,484,000	AAMHI
14	10038	D&M WSC	$1,389,764	AAMHI
15	10040	D&M WSC	$1,145,750	AAMHI
16	9998	Dilley	$4,800,000	AAMHI
17	10179	Donna	$2,340,000	FTR
18	10080	Edcouch	$633,106	FTR
19	10108	Eden	$2,631,000	AAMHI
20	10154	Edinburg	$10,175,000	AAMHI
21	9985	Elsa	$1,420,750	HCF
22	10170	Gordon	$1,196,000	AAMHI
23	10172	Graford	$430,000	AAMHI
24	10121	Graham	$1,930,500	AAMHI
25	10122	Graham	$16,600,000	AAMHI
26	10123	Graham	$11,900,000	AAMHI
27	10279	Graham	$1,893,000	AAMHI
28	10066	Grand Saline	$470,000	HCF
29	10130	Groesbeck	$10,412,000	AAMHI
30	10159	Gustine	$142,000	HCF
31	10092	Harris Co MUD #148	$1,001,000	AAMHI
32	10192	Kosse	$2,476,000	AAMHI
33	10062	La Grulla	$1,578,259	FTR
34	10219	Live Oak Hills	$100,000	AAMHI
35	9893	Matador	$730,000	HCF
36	10144	Merkel	$1,000,000	FTR
37	10003	Moulton	$92,800	AAMHI
38	10297	North Alamo WSC	$793,944	FTR
39	10298	North Alamo WSC	$1,320,575	FTR
40	10296	North Alamo WSC	$3,954,500	FTR
41	10299	North Alamo WSC	$3,059,360	FTR
42	10000	North Runnels WSC	$6,000,000	AAMHI
43	10068	Orangefield WSC	$5,930,000	FTR
44	10162	Palo Pinto WSC	$1,519,000	AAMHI
45	10161	Parker Co SUD	$250,000	FTR
46	9889	Plains	$250,000	AAMHI

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AAMHI = Adjusted Annual Median Household Income was greater than 75% of the State AAMHI.
HCF = Household Cost Factor did not meet the minimum threshold.
FTR = Entity did not respond to request for additional information needed to make a determination.

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	PIF	Entity	Project Cost	Ineligible
47	9981	Point	$429,700	AAMHI
48	9987	Port Arthur	$11,176,236	FTR
49	9884	Riesel	$1,222,500	AAMHI
50	10218	Rio Grande City	$3,558,630	AAMHI
51	10096	Seymour	$7,210,000	AAMHI
52	10145	Snyder	$7,820,000	AAMHI
53	10146	Snyder	$11,100,000	AAMHI
54	10072	Sol y Mar Water System	$198,700	AAMHI
55	10295	Strawn	$1,580,000	AAMHI
56	10160	Study Butte WSC	$1,256,000	AAMHI
57	10215	Tahoka	$3,141,500	AAMHI
58	9995	Texas Water Co	$99,800	AAMHI
59	10189	Upper Colorado RA	$19,140,000	AAMHI
60	9957	Weslaco	$832,320	FTR
61	9959	Weslaco	$498,355	FTR
62	9960	Weslaco	$171,350	FTR
63	9961	Weslaco	$3,785,000	FTR
64	10169	West Odessa WSC	$10,500,000	AAMHI
65	10131	Westbound WSC	$2,000,000	AAMHI
			$222,789,974	

AAMHI = Adjusted Annual Median Household Income was greater than 75% of the State AAMHI.
HCF = Household Cost Factor did not meet the minimum threshold.
FTR = Entity did not respond to request for additional information needed to make a determination.

Appendix K. Project Priority List

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
1	359.10	10221	Robert Lee[1]	M	TX0410002	1,031	New wells, transmission line for purchased water, SWTP upgrades, new intake and replace meters	C	4/1/2012	$11,055,400	70	BC	$224,953	9809, 9211
2	287.80	10222	Bronte[1]	M	TX0410001	977	Four new wells, raw water transmission lines, treatment plant expansion, finished water transmission lines and a new standpipe	C	7/1/2012	$7,823,960	30	CE	$576,000	9840, 9110
3	239.50	10112	Ballinger	M	TX2000001	4,243	Develop a new alternative groundwater supply which will require a raw water transmission system to transfer water to the City's water treatment plant, and reverse osmosis system improvements to treat the groundwater to meet primary and secondary standards. The City currently has access to two surface water supplies, Lake Ballinger (Lake) and O.H. Ivie Reservoir (Ivie). Due to the ongoing drought, Ivie is currently less than 25% full and the City's lake is less than 50% full, with spiking organic levels limiting its use for drinking water.	PADC	4/1/2014	$12,016,000	30			
4	211.10	10157	Brady[1]	M	TX1540001	5,324	Replace existing old, deteriorated and leaking water lines. The existing waterlines are not adequate for new service requests in the northeast part of the City.	PD	1/1/2014	$400,000	50	BC	$400,000	9638, 9198
5	165.00	10223	Menard[1]	M	TX1640001	1,493	New WTP, new wells and well rehabilitation	C	6/1/2012	$5,865,000	50	CE	$224,886	9160, 9896
6	161.60	10104	Upper Leon River MWD[1]	D	TX0470015	2,316	Replace the existing conventional filters at the water treatment plant with a new membrane filtration system. Upgrade existing transfer pump stations with new low-voltage pumps, motors and motor control centers.	C	6/1/2014	$12,201,000	30	BC	$6,100,500	9626
7	143.70	10306	Upper Leon River MWD	D	TX0470015	2,316	Emergency project to develop a groundwater supply source to augment existing surface water supplies to provide additional raw water to the District in the event that the water level in Lake Proctor drops too low.	PADC	10/1/2013	$5,279,000	30			10290

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

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8	141.20	10156	Gorman	M	TX0670003	1,236	Drill new water well and build a new 100,000 elevated tank to replace an existing 75,000 gallon elevated tank which has lead based paint and is in a state of disrepair. Additional water is needed for new connection requests from the City of Desdemona.	PAD	7/1/2015	$2,100,000	50			
9	111.10	10261	Lawn[1]	M	TX2210005	927	Abandon WTP and construct new treated water supply; build taller standpipe; replace old and deteriorated water lines.	C	1/1/2014	$4,889,400	70			9625
10	85.30	10219	Live Oak Hills Subdivision	P	TX1540012	60	Install a radium removal system with a building and plumbing to house it.	C	8/30/2013	$100,000				9888
11	85.30	10151	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.	PD	7/1/2015	$1,700,000	70			
12	82.50	10057	Cyndie Park II WSC	W	TX1780050	66	Upgrade the water system including a new chlorine system, new well and well meter, replace water storage tank and accessories, and prepare a drought contingency plan, plant operations manual, and monitoring plan. The water system currently lacks appropriate chlorination facilities and their water has exceeded allowed levels for Arsenic, Total Dissolved Solids, and chloride, as well as numerous other violations.	PD	2/1/2014	$1,484,000	70	BC	$30,000	
13	81.33	10342	Vista Verde Water Systems Inc	P	TX1700694	66	Drill a new water well in a different water table to improve water quality. Gross alpha and combined radium 266 & 228 must be corrected by 12/15/2013.	PDC	9/15/2013	$105,000				10341
14	79.30	9916	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	PAD	6/1/2013	$2,700,741				

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

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15	76.80	10000	North Runnels Co WSC	W	TX2000005	1,500	Install pump station, transmission and distribution lines for purchase water from Bronte to reduced THM levels. Also, provide public water to 200 households around Oak Creek Reservior.	PAD	7/1/2015	$6,000,000				
16	73.50	9988	Anthony	M	TX0710001	2,355	Water treatment improvements, including arsenic removal, and new tank, replacement of lines, and new meters/pumps	PAD	4/1/2014	$5,910,000	30	Both	$464,500	
17	71.10	10155	Baird	M	TX0300001	1,620	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.	PD	10/1/2015	$4,850,000		BC	$456,650	
18	70.30	10174	Plains	M	TX2510002	1,481	Provide precipitation treatment and activated alumina treatment to lower arsenic and floride levels	D	1/2/2014	$250,000				9889
19	65.30	10148	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.	PD	8/1/2015	$2,000,000	30	BC	$295,379	

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20	59.80	10003	Moulton	M	TX1430002	886	Develop and implement an Asset Management Plan to document assets and record their useful life and replacement costs. The City has violated TCEQ regulations for Total Trihalomethane (TTHM) and Total Coliform (TCR); they also have capacity issues and high arsenic levels in one well. One well is inoperable and they are experiencing excessive water loss due to an aging distribution system. The Asset Management Plan is needed to begin to address their many issues.	PD	12/1/2013	$92,800				
21	59.30	10096	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.	PAD	10/15/2013	$7,210,000				
22	50.80	10189	Upper Colorado RA	A	TX2000002	10,838	In order to use the existing raw water system, 6.5 miles of 36" pipline 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	4/1/2016	$19,140,000				
23	50.50	10225	Riesel	M	TX1550040	1,242	Arsenic Treatment	PD	1/1/2014	$1,222,500				9884

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24	49.20	10186	Vinton	M	TX0710151	30	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.	AD	1/2/2015	$15,031,331	70			
25	49.10	10168	Clyde	M	TX0300002	3,842	Construction of 104,000 lf of water pipeline and rehabilitation of the surface water treatment plant	PAD	5/1/2015	$8,900,000				
26	47.50	10072	Sol Y Mar WS	P	TX1080238	84	This project will install two booster pumps, two mechanical meters, two water softeners, and finally two nitrate removal systems to bring the system into TCEQ & EPA compliance. Sol Y Mar has been under enforcement action by both TCEQ and EPA for having high nitrates in its system. EPA has given the water system 18 months to fix the problem.	PD	12/1/2013	$198,700				
27	44.50	10292	Rio Hondo	M	TX0310006	2,356	Rehabilitation of the treatment plant, replacement of distribution lines, replacement of meters, and new pumping system	PDC	7/15/2014	$3,594,165	70	Both	$5,309,758	9981
28	44.00	10095	Greenbelt MIWA	D	TX0650013	22,000	A well field, supplying up to 3 MGD, will be constructed on the North Ogallala Aquifer. This well field will be connected to the GMIWA treatment plant with a new, 16-inch pipeline approximately 15 miles long. Studies have shown that the GMIWA will require up to 2,000 acre-feet of additional supply and the proposed project seeks to remedy this shortfall.	ADC	7/1/2014	$10,000,000	30			

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29	43.83	10338	San Pedro Canyon Water Co	P	TX2330011	150	Drill a new well meeting TCEQ regulations and requirements for a public water well: following an engineered plan for cemented casing to seal off entry of contaminants to depths determined by geophysical logging when the well is drilled. Initiate asset managemnet plan and training.	PDC		$240,281				10337
30	43.50	10134	Winters	M	TX2000003	2,582	Develop an alternative groundwater supply, requiring a raw water transmission system to transfer water to the city's water treatment plant.	PAD	12/1/2014	$1,920,000	30			
31	42.90	9912	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.	PAD	7/1/2014	$2,023,700				
32	40.00	10179	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	1/1/2014	$2,340,000				
33	33.00	10334	West	M	TX1550009	2,695	City will construct a new 150,000 gallon elevated storage tank to solve pressure problems in the norther portion of the distribution system. The City will also construct a new water well and pump station to make the City's water supply more reliable. Project will also include creation of an asset management program.	PDC	3/18/2014	$7,145,225	50			10333

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34	32.50	10253	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.	PD	8/1/2014	$2,362,100	50	BC		
35	32.50	10153	Rotan	M	TX0760002	1,440	Replace 14 miles of water line with a new 12" PVC water line, add an 8" line to connect to Bitter, and add a ground storage tank at Camp Springs where additional disinfectant can be added for the final segment of line to Rotan. The new tank will also lower the pressure to Rotan and thus reduce the water loss being experienced along the old line. The system has been cited by TCEQ for low disinfection residuals. It is believed that the iron bacteria, in the old cast iron line, contribute to the low disinfection residuals.	PD	8/1/2015	$5,200,000	50	BC	$2,800,000	
36	32.30	10122	Graham	M	TX2520001	8,716	Plant expansion and rehab 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.	P	11/15/2013	$16,600,000		BC	$1,500,000	
37	30.00	10123	Graham	M	TX2520001	8,716	Water transmission line from water treatment plant plant	C	11/15/2013	$11,900,000				
38	26.40	10145	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.	PAD	7/1/2015	$7,820,000				

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39	26.40	10146	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.	PAD	7/1/2015	$11,100,000				
40	26.30	10083	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 City's northern area of town. This area has low pressure due to constant population growth without the infrastructure needed to compensate.	D	5/31/2014	$279,748				
41	26.30	10084	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.	PAD	5/31/2015	$3,840,448				
42	26.00	10099	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.	PD	3/15/2015	$2,078,000	30	BC	$2,078,000	

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43	26.00	10216	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.	PD	1/1/2015	$6,540,025	70	BC	$929,982	
44	25.50	10213	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.	PD	2/1/2014	$3,060,000	30			
45	25.00	9990	Lass Water Company	P	TX0910143	201	Replace well to address system deficiencies	P	12/1/2013	$89,000				
46	23.00	10211	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 will address low pressure. Replacement of exisiting fire hydrants will address water loss. Prepare an asset management plan.	PD	10/21/2014	$12,177,885	30	Both	$420,000	
47	22.80	10124	Abilene	M	TX2210001	116,412	Implement a trifluoromethane, TTHM, precursor removal and stripping proceses at the city's water treatment plant to lower TTHM in the finished water.	C	3/1/2014	$11,478,000				

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48	22.50	10150	Rising Star	M	TX0670005	834	Replace 7000 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.	PD	12/1/2014	$1,383,000	30			
49	22.50	10229	Honey Grove[1]	M	TX0740003	2,280	Distribution improvements	C	1/1/2013	$5,809,450	30			9222
50	22.50	10139	Texas State Technical College	S	TX1550138	2,502	Replace cast iron, calcified pipes with smaller pipes to provide adequate service and stop nitrification episodes.	PD	3/1/2014	$8,500,000		BC	$100,000	
51	22.00	10196	Greater Texoma UA	I	TX0910006	26	Replacement of 3,500 lf of existing 12 inch water main on the west side of Texoma Highway	PD	6/1/2014	$400,978		BC	$400,978	
52	22.00	10158	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.	PD	5/1/2015	$10,000,000	30			
53	22.00	10171	Eagle Pass[1]	M	TX1620001	35,826	Replacement of inadequately sized pipe that does not meet current standards	C	6/1/2013	$64,319,125	30	BC	$5,130,055	9621
54	21.00	10279	Graham	M	TX2520001	8,716	Install additional transmission line from plant to distribution system. Replace aging lines.	C	11/15/2013	$1,893,000				

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55	21.00	10294	Raymondville	M	TX2450001	9,733	Emergency project to provide Reverse Osmosis Treatment to their existing water well, reclaim its effluent from the WWTP discharge and other pretreatment upgrades. This project is needed to address its raw water storage needs for times of extreme drought.	PDC	3/1/2014	$3,311,000	50	CE	$1,794,000	10076
56	20.50	10267	Reklaw[1]	M	TX0370039	594	Drill new water well.	C	11/1/2013	$1,108,050	30			9743
57	20.00	10058	Derby WSC	W	TX0820016	51	Upgrade the water system including new chlorine system, well repair and well meter replacement, 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.	PD	2/1/2014	$194,000	50	BC	$10,000	
58	20.00	9995	Texas Water Company	P	TX0610051	59	Construct an interconnect line to the Town of Colony to address capacity issues	D	1/1/2014	$99,800				
59	20.00	10085	Lass Water Company	P	TX1250033	111	Upgrade the water system including new chlorine system, well repair and well meter replacement, 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.	PD	2/1/2014	$954,000	70	CE	$50,000	
60	20.00	10056	Dell City[1]	M	TX1150001	405	Install new Reverse Osmosis water treatment facility. Currently, the 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.	C	5/1/2014	$1,129,275	70			
61	20.00	10164	West Tawakoni	M	TX1160012	1,750	Replace existing 2 inch lines with 6 inch lines and install fire hydrants	PD	1/1/2014	$2,274,000	30	BC	$2,274,000	

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62	16.90	10017	La Feria	M	TX0310003	7,149	Build a new water desalination plant to treat brackish and salt water. Due to exceptional drought conditions new water sources are needed to meet the community's demands. An emergency disaster proclamation has been issued by the Governor of Texas due to prolonged historic drought conditions.	PD	9/30/2014	$6,092,920	30			
63	16.00	10114	Valley WSC[1]	W	TX0630013	220	Install new water lines to eliminate leaks and reduce water loss. Due to line losses, only 33% of the water purchased from the City of Spur is being delivered and billed to the WSC customers.	C	3/1/2014	$981,000	70	BC	$949,539	9595
64	15.50	10117	DeLeon[1]	M	TX0470002	2,335	Replace existing pipes that are deteriorating and undersized. Replacement of leaking water distribution lines will reduce water loss for the City.	C	3/1/2014	$1,275,500	50	BC	$1,334,737	9619
65	15.50	10201	Mexia	M	TX1470004	6,790	Replacement of deteriorated water meters	PDC	5/1/2014	$1,880,000	30	CE	$1,880,000	
66	15.00	9992	Lass Water Company	P	TX2200117	7,347	Replace well to resolve system deficiencies	P	12/1/2013	$89,000				
67	14.00	10008	Skyline Ranch Estates WSC	W	TX1050078	189	New well, storage tank and many system improvements to meet TCEQ contaminate and capacity requirements. Upgrades will be made to the pump controls and pump building, access road, security, and SCADA system. The system is currently experiencing problems with high levels of Total Dissolved Solids (TDS), iron, and sulfate and they do not have the required well capacity.	PADC	9/1/2013	$488,980				
68	14.00	9973	Harris Co WCID # 36	D	TX1010239	12,432	Water line replacement and rehabilitation along with upgrades to water pumping facilities to prevent water loss and improve efficiencies	PD	7/1/2014	$5,000,000	70	BC	$876,200	

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69	13.50	10108	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	PAD	6/1/2015	$2,631,000		BC	$326,795	
70	13.50	10091	Grand Saline	M	TX2340003	3,028	Replacement of 38 year old deteriorated water lines and inoperable valves with a history of problems, and the development of an Asset Management Program.	PAD	6/1/2014	$2,172,000	30	BC	$695,500	
71	13.50	10045	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.	PAD	4/15/2014	$7,375,548	30	CE	$5,384,150	
72	13.50	9987	Port Arthur	M	TX1230009	57,755	Replace water lines to reduce leaks and increase pressure	D	3/1/2015	$11,176,236		BC	$7,894,476	
73	13.00	10304	Breckenridge	M	TX2150001	5,868	Emergency improvements to deal with the prolonged drought will include intake and pumping improvements for Lake Daniel, pruchasing and treating supply from PK Lake. Improvements will also include waterline replacement to reduce water losses.	PDC	1/1/2014	$9,056,000	30			10288
74	13.00	10260	White River MWD[1]	D	TX0540015	10,833	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	3/1/2013	$39,718,118	50	BC	$7,300,155	9525

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75	13.00	10086	Sweetwater	M	TX1770002	11,560	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.	PD	3/1/2014	$7,673,000	30			
76	13.00	9960	Weslaco	M	TX1080011	28,111	Replacement of existing 8" cast iron water line on 8th Street to reduce water loss	PD		$171,350		BC	$171,350	
77	12.50	10325	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	9/1/2013	$241,489				10320
78	12.50	9934	Lass Water Company	P	TX2490049	315	Replace well to comply with TCEQ pressure, capacity, and contaminant rules.	P	12/1/2013	$89,000				
79	12.50	10262	Carbon[1]	M	TX0670015	359	Replace 6" main water line and install two new water wells.	C	4/30/2013	$987,000	50	BC	$708,415	9570
80	12.50	9920	New Ulm WSC[1]	W	TX0080014	465	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.	D	6/1/2014	$438,965	70			9806
81	12.50	10160	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. Downtime, install chemical storage facilities and building upgrades to address system deficiencies.	PD	5/1/2013	$1,256,000		BC	$1,256,000	
82	12.50	10113	New Deal[1]	M	TX1520015	801	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	1/15/2015	$1,033,000		BC	$692,000	9618, 10113
83	12.50	9982	Point	M	TX1900004	1,908	Replace the system meters with AMR smart meters to improve detection of water loss	PDC	1/1/2014	$429,700		CE	$429,700	

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84	12.50	10235	Hondo[1]	M	TX1630002	11,165	The proposed project will replace approximately 4.5 miles of aging water line to reduce water loss. Also replace the City's North Elevated Storage Tank (EST); rehabilitate the City Yard EST and Golf Course GST; and demolish the Spatz Road GST and high service pump station.	C	4/1/2013	$4,520,000				9377, 9378
85	12.50	10302	East Rio Hondo WSC	W	TX0310096	18,996	Emergeny 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.	PADC	4/15/2014	$1,905,745	30			10284
86	12.50	10268	Del Rio[1]	M	TX2330001	35,378	Distribution Line Replacement	C	3/1/2014	$50,938,117		BC	$4,602,697	9634
87	12.00	10305	Sweetwater	M	TX1770002	11,560	Emergency project will develop additional well fields to allow adequate recharge of the existing well fields and supplement the water supply capacity lost from the reduction in surface water supplies.	PDC	8/1/2013	$1,894,000	30			10289
88	11.50	9915	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.	A	4/1/2014	$296,000		BC	$100,000	
89	11.50	10050	Jefferson	M	TX1580001	2,205	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	PD	1/1/2015	$1,593,000	30	BC	$1,115,000	
90	11.50	10052	Jefferson	M	TX1580001	2,205	Replace water lines and create an asset management plan to address the aged and degraded system	PD	1/1/2015	$3,583,080	30	BC	$3,558,080	

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91	11.50	10054	Atlanta	M	TX0340001	5,798	Install a new ground storage tank and rehabilitate another ground storage tank, rehabilitate both elevated storage tanks, install new water line with in-line meters, install new high speed pumps & create an asset management plan	PD	9/1/2015	$2,752,800	30	BC	$578,088	
92	11.00	10175	Hico	M	TX0970002	1,379	Replacement of waterlines, deteriorated ground storage tank and aging water meters to address low water pressure issues.	PDC	1/1/2014	$3,031,785	50	BC	$3,100,000	9890
93	11.00	10061	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	9/1/2014	$938,852	30	CE	$938,851	
94	11.00	9959	Weslaco	M	TX1080011	28,111	Replacement of existing 16" asbestos water line to reduce water loss	PD		$498,355		BC	$498,355	
95	10.50	10079	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. Planning of an asset management plan will take place as well.	DC	9/10/2014	$854,830	30	CE	$854,829	
96	10.50	10335	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	3/18/2014	$491,500	50			10332

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97	10.50	10042	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.	PD	4/15/2014	$7,273,968	30	CE	$7,220,101	
98	10.00	9936	Lass Water Company	P	TX1250033	111	Construct new well, ground storage tank, and booster pump to alleviate deficiencies and come into compliance with TCEQ capacity rules.	P	12/1/2013	$195,000				
99	10.00	10177	Bluff Dale WSC	W	TX0720036	300	Installation of a second well that will allow the continual distribution of water	PADC	5/1/2013	$301,020				9892
100	10.00	9978	Kendleton	M	TX0790018	499	Water system line replacements, water line extensions to unserved areas and replacing water meters	D	6/1/2014	$1,039,900	30	BC	$30,000	
101	10.00	10172	Graford	M	TX1820003	578	Replace existing old, deteriorated and leaking water lines.	PD	1/1/2014	$430,000		BC	$430,000	
102	10.00	10295	Strawn	M	TX1820005	632	Emergency project to abandon the old existing WTP and connect to the City of Ranger's water supply.	PADC	1/1/2014	$1,580,000		BC	$1,580,000	10166
103	10.00	10293	Bandera Co FWSD # 1	D	TX0100011	847	Emergency construction of a new well, storage and pumping facilities, and lines to tie into the existing system.	PDC	9/1/2014	$1,217,958				10064
104	10.00	10167	Lone Oak	M	TX1160006	900	Construction of new water plant and replacement of distribution lines	PAD	3/1/2015	$1,500,000	50	BC	$150,000	
105	10.00	10170	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.	PD	3/1/2014	$1,196,000		BC	$359,000	

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106	10.00	10326	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	3/1/2014	$1,250,000				10321
107	10.00	10181	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.	PD	7/15/2013	$500,000	30			
108	10.00	10202	Clarendon	M	TX0650001	1,974	Replacement of cast iron mains with PVC and construction of an elevated tank	PD	9/1/2014	$2,465,000				
109	10.00	10183	Ralls	M	TX0540003	2,250	Install/retrofit existing meters with automatic readers as well as replace problematic (leaking) distribution lines.	PD	6/1/2013	$586,396	30	Both	$586,396	
110	10.00	10307	Bangs	M	TX0250001	2,550	Install new radio read water meters.	PDC	1/1/2014	$300,000	30			10291
111	10.00	10215	Tahoka	M	TX1530002	2,837	Replace 60,000 lf of waterline with HDPE or PVC pipe and construction of a 1.5 mg ground storage tank	D	10/7/2013	$3,141,500		BC	$1,810,000	
112	10.00	10116	La Joya	M	TX1080213	3,046	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 for customer service connections and firefighting. Also an Advanced meter reading infrastructure (AMI) system with leak detection will be installed throughout the potable water distribution system.	PD	2/1/2014	$3,102,414	30	BC	$988,848	

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113	10.00	10118	La Joya	M	TX1080213	3,046	Expand water treatment plant to alleviate inadequate water treatment capacity, a new SCADA system, and green power infrastructure including two 1OOKW wind turbines and 11 solar LED lights. These units will provide cost savings and reduce the utility's carbon footprint. The SCAD A system will combine health monitoring and AMR equipment with advanced power systems monitoring, physical security, and network cyber security.	C	2/1/2014	$6,469,080	30	BC	$2,450,000	
114	10.00	10163	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		BC	$684,000	
115	10.00	10024	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.	PD	1/1/2014	$1,385,834	30	BC		
116	10.00	10026	Mathis	M	TX2050003	5,769	System improvements include replacing valves and chemical feed pumps, rehabilitating clarifiers and raw water piping, and filling in lagoons.	PD	1/1/2014	$1,783,345	30			
117	10.00	10317	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	8/1/2013	$88,000				
118	10.00	10121	Graham	M	TX2520001	8,716	Increase plant storage capacity from 1 MG to 2 MG to meet minimum capacity requirements	P	11/15/2013	$1,930,500				

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119	10.00	9976	El Campo	M	TX2410002	13,200	The City of El Camp intends to replace the existing asbestos cement and cast iron 6-inch water lines beneath US Hwy 71 with a new 12-inch PVC line to be located behind the curb and outside the TxDOT maintained pavement. The existing 6-inch line is undersized and experiences frequent leaks causing TxDOT pavement failures and traffic congestion on Hwy 71. In addition to the longitudinal line replacement, the City will replace all lateral lines, valves, and services beneath Hwy 71. These lateral lines range in size from 2- to 10-inches. In addition, all fire hydrants, valves and leads will be replaced along the route.	PAD	10/1/2013	$4,025,000				
120	10.00	10303	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 in order to double current plant capacity. This new distribution trunkline would allow full utilization of that additional capacity.	PADC	4/1/2014	$1,139,288	30			10287
121	10.00	10018	San Benito	M	TX0310007	26,000	Water System Improvements	AD		$4,965,412	50			
122	10.00	10178	San Juan[1]	M	TX1080010	30,000	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	12/1/2013	$4,210,000	30			9730

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123	10.00	10090	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	10/1/2013	$1,881,668		Both	$1,881,678	
124	8.80	10087	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.	AD	9/15/2013	$1,079,523				
125	8.50	10210	Houston	M	TX1010013	2,700,000	Replace aged water distribution lines with new plastic pipe. The existing system has limited capacity and cannot support current fire protection demands in certain areas. Existing pipe material is Cast Iron or Asbestos Cement. Pipes are old and require frequent repairs and maintenance. The quality of water has been impacted by the age of water lines. Water lines in the vicinity experience low pressure occasionally.	C	9/4/2014	$59,400,000		BC	$59,400,000	
126	8.00	10173	Wiedenfeld Water Works	P	TX1630038	108	Drill new well into the Trinity Aquifer	DC	3/1/2013	$350,000				9883
127	7.00	10298	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	1/6/2014	$1,320,575				10256

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128	6.00	10195	Houston	M	TX1010013	2,700,000	Replace water meters that have exceeded their useful life. Water meters have a certain useful life. When the useful life is exceeded, the meters do not perform their intended function of accurately reading water consumption. The City loses revenues and leaks or high use goes undetected.	C	7/1/2014	$6,050,000		BC	$6,050,000	
129	6.00	10200	Houston	M	TX1010013	2,700,000	Install automatic meter reading devices to lower personnel and fuel costs and emissions. Reading water meters manually requires a high level of personnel and fuel costs and adds to emissions in the City.	C	7/1/2014	$1,320,000		CE	$1,320,000	
130	5.50	10194	Houston	M	TX1010013	2,700,000	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.	PD	9/15/2014	$8,800,000				
131	5.50	10197	Houston	M	TX1010013	2,700,000	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	9/15/2014	$5,500,000				
132	5.40	9983	McAllen	M	TX1080006	141,060	Produce 6 MGD water source using geothermal energy/pressure to provide an alternative water source	PAD	10/1/2013	$16,430,000		Both	$16,430,000	
133	5.00	9963	Lass Water Company	P	TX1013143	23	Install pressure tank and replace well to resolve system deficiencies	P	12/1/2013	$54,000				
134	5.00	9991	Lass Water Company	P	TX1013097	33	Install water pressure tank and replace well	P	12/1/2013	$54,000				

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135	5.00	10296	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	1/6/2014	$3,954,500		BC	$2,886,800	10214
136	5.00	10299	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	1/6/2014	$3,059,360				10257
137	4.00	10092	Harris Co MUD # 148	D	TX1010938	3,141	Replacement of 38 year old deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PD	1/1/2014	$1,001,000		BC	$966,000	
138	3.50	10066	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	12/1/2013	$470,000		CE	$470,000	
139	3.50	10217	Alice	M	tx1250001	19,744	Rehabilitation of the 22.5 mile 20 inch transmission main by slip lining	PAD		$414,000		BC	$414,000	
140	3.00	10039	Lilbert-Looneyville WSC	W	TX1740013	618	New well, 30,000 gal. GST, pressure tank, and asset management plan to increase water supply and pressure	PD	5/1/2015	$969,314		BC	$175,000	
141	3.00	10046	Craft-Turney WSC	W	TX0370016	4,968	New well and treatment plant, ground storage tank, pressure tank, new water lines, and asset management plan to address insufficient water supply and storage, pressure, and loop system.	PAD	5/1/2015	$2,002,560				
142	3.00	10038	D & M WSC	W	TX1740010	5,742	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.	PD	5/1/2015	$1,389,764				
143	3.00	10040	D & M WSC	W	TX1740010	5,742	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.	PD	5/1/2015	$1,145,750		BC	$50,000	

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144	3.00	10198	Houston	M	TX1010013	2,700,000	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	7/31/2014	$8,800,000				
145	3.00	10199	Houston	M	TX1010013	2,700,000	Rehabilitate ground water wells. Ground water wells are experiencing decreased production capacity.	C	7/31/2014	$6,600,000				
146	3.00	10204	Houston	M	TX1010013	2,700,000	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	7/31/2014	$8,250,000				
147	3.00	10207	Houston	M	TX1010013	2,700,000	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	7/16/2014	$12,650,000				
148	3.00	10208	Houston	M	TX1010013	2,700,000	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	7/23/2014	$9,735,000				
149	3.00	10209	Houston	M	TX1010013	2,700,000	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	7/31/2015	$8,250,000				
150	2.50	9931	Lass Water Company	P	TX1011459	48	Install pressure tank to comply with TCEQ pressure and capacity rules.	P	12/1/2013	$23,000				
151	2.50	9965	Lass Water Company	P	TX1160097	93	Install water pressure tank and replace well to resolve system deficiencies	P	12/1/2013	$120,000				

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152	2.50	9969	Lass Water Company	P	TX0610016	195	Install well, ground storage tank, and booster pump to resolve system deficiencies	P	12/1/2013	$97,500				
153	2.50	10161	Parker County SUD	D	TX1840025	390	Material costs for 0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PAD	3/1/2014	$250,000		BC	$250,000	
154	2.50	10192	Kosse	M	TX1470003	497	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.	PAD	11/1/2013	$2,476,000				
155	2.50	10176	Matador	M	TX1730001	740	Replacement of deteriorated water transmission and distribution lines	PDC	1/1/2014	$730,000		BC	$500,000	9893
156	2.50	10180	Tioga	M	TX0910007	1,059	Drill a new well to replace Well #2 approximately 1,600 feet deep into the Antlers formation to produce water with iron content below secondary limits. Improve energy efficiency with more efficient pump and motor and lower pumping head. Reduce unaccounted for water by metering public facilities.	PAD	9/30/2013	$435,000		BC	$275,000	
157	2.50	10130	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 pipline in order to transmit the water from the quarry to Lake Groesbeck. Will also complete an asset management plan.	PAD	1/1/2015	$10,252,000				
158	2.50	10049	Craft-Turney WSC	W	TX0370016	4,968	Install new AMR/AMI metering system and asset management plan	PDC	5/1/2015	$1,261,000		CE	$968,000	
159	2.50	10218	Rio Grande City	M	TX2140018	14,040	Replace existing broken/malfunctioning water meters with 100% lead-free smart meters with built in leak detection. Install AMR system.	D	1/6/2014	$3,558,630		CE	$3,558,330	

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

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160	2.50	10297	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	1/6/2014	$793,944				10255
161	2.50	10191	San Antonio Water System	M	TX0150018	1,281,002	Improvement of fire flow by installing 12 inch water main, pressure reducing valves and connection to SCADA	C	1/2/2014	$5,100,026				
162	2.00	9911	Greater Texoma UA	I	TX0910001	26	Drill and complete a new 300 gpm "Paluxy" formation water supply replacement well.	PAD	11/1/2014	$1,207,824				
163	2.00	9914	Greater Texoma UA	I	TX0490016	26	Supplemental Well	PD	6/30/2014	$1,188,265				
164	2.00	10142	Greater Texoma UA	I	TX0910009	26	Water Line Replacements	PD	1/1/2014	$1,080,685		BC	$1,080,685	
165	2.00	10230	Lake Palo Pinto Area WSC[1]	W	TX0470001	1,584	Surface water treatment plant expansion, booster disinfection and new elevated storage tank	C	4/1/2013	$1,880,015		BC	$883,440	9490, 9897, 9648
166	2.00	10233	Castroville[1]	M	TX1630005	3,678	Water Line Replacement	C	7/1/2012	$2,373,600				9299, 9899, 9655
167	2.00	10220	Burnet[1]	M	TX0270001	4,735	Distribution system improvements to address pressure < 20 psi	C	4/1/2010	$1,343,777	70	Both	$1,375,000	8480, 9900
168	2.00	10188	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.	AD	2/1/2014	$35,596,300				

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169	2.00	10165	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				
170	2.00	9961	Weslaco	M	TX1080011	28,111	A new well to supplement existing system to address potential drought issues	PD		$3,785,000		CE	$300,000	
171	2.00	10269	Amarillo[1]	M	TX1880001	190,695	Design phase and construction services of a proposed 36-inch transmission main from the City of Amarillo's Osage Water Treatment Plant south and west to the City of Amarillo's Arden Road Pump Station for approximately 7.63 miles. Project includes additional pump and 2.5 million gallon ground storage tank at the Arden Road Pump Station.	C	7/1/2013	$18,716,183				9757
172	1.30	10131	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.	PD	3/1/2015	$2,000,000				
173	1.00	10324	Laredo	M	TX2400001	199,715	The system will lower its losses from 11% to 10% through installation of radio read meters.	C	5/14/2013	$11,701,058				10315
174	0.50	10004	Jarrell	M	TX2460169	10	DWSRF funds will allow the City of Jarrell to purchase a water system.	PA	4/1/2010	$2,150,000				
175	0.50	10033	Lilbert-Looneyville WSC	W	TX1740013	618	Install new water lines to replace deteriorating lines, line looping, and establish an asset management plan to address system deficiencies	PD	5/1/2015	$985,609				
176	0.50	10043	Lilbert-Looneyville WSC	W	TX1740013	618	Install 6-inch lines system-wide and an asset management plan to address system deficiencies & provide looping	PD	5/15/2015	$1,004,783				

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177	0.50	10036	Cushing	M	TX1740001	1,236	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.	PAD	5/1/2015	$1,341,430		BC	$300,000	
178	0.50	10029	Swift WSC	W	TX1740019	2,376	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.	PD	5/15/2015	$594,977		BC	$619,977	
179	0.50	10034	Rusk	M	TX0370003	5,340	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 and implement an Asset Management Plan to coordinate future infrastructure needs.	PAD	5/1/2015	$775,906				
180	0.50	10068	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.	PD	9/1/2014	$5,930,000				
181	0.50	10205	Marshall	M	TX1020002	23,854	Extension of 8 inch PVC water line to provide looping and address delivery deficiencies. Implement asset management plan.	PAD	5/15/2015	$2,756,208				
182	0.50	10206	Marshall	M	TX1020002	23,854	Installation of an Automatic Meter Reading and leak detection system	PAD	5/1/2015	$6,243,636		CE	$4,292,520	
183	0.00	9913	Greater Texoma UA	I	TX0490016	26	Replace twenty miles of 45 year old asbestos cement pipe that is in poor condition.	PDC	11/30/2014	$8,591,688		BC	$8,591,688	
184	0.00	10102	Greater Texoma UA	I	TX0910009	26	Upgrade disinfection system.	PD	1/1/2014	$156,479				
185	0.00	9967	Lass Water Company	P	TX1250039	120	Install ground storage tank and booster pump to resolve system deficiencies	P	12/1/2013	$128,000				

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186	0.00	9993	Lass Water Company	P	TX0610016	195	Install water meters to address system deficiencies	C	12/1/2013	$26,400				
187	0.00	10159	Gustine	M	TX0470003	442	Rehab the existing 30,000 gallon storage tank	PDC	3/1/2014	$142,000		BC	$142,000	
188	0.00	10323	Buffalo Gap	M	TX2210003	648	Replace approximately 8,200 lf of water line and associated appurtenances.	DC	10/1/2013	$400,000				10316
189	0.00	10162	Palo Pinto WSC	W	TX1820004	957	Replacing existing distribution lines which cause significant water loss and water outages.	PD	1/1/2014	$1,519,000		BC	$1,469,000	
190	0.00	10328	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	2/1/2014	$460,000				
191	0.00	10152	Anson	M	TX1270001	2,556	The city plans to re-pipe the four clearwells with new piping and valves as well as provide a by-pass for redundancy which the system does not currently have. The city also plans to provide a building around the claricone 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 claricone and filter structure are exposed to blowing dirt and debris causing turbidity issues in the City's treatment process.	PD	7/1/2015	$1,100,000				
192	0.00	10080	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 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. Planning of an asset management plan will take place as well.	PDC	9/1/2014	$633,106		CE	$633,106	

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193	0.00	10141	Anahuac	M	TX0360001	2,880	Replace water lines and install fire hydrants.	PAD	1/15/2014	$616,965		BC	$418,965	
194	0.00	10169	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 haul water or depend on shallow wells which have poor quality and low quantity.	PAD	5/1/2015	$10,500,000				
195	0.00	10144	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	PD	5/1/2014	$1,000,000				
196	0.00	10331	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	3/1/2014	$1,400,000				10330
197	0.00	9998	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.	PAD	7/1/2014	$4,800,000				
198	0.00	10032	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.	PD	6/1/2014	$1,805,000				
199	0.00	10119	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	3/1/2014	$410,000		CE	$410,000	

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200	0.00	10301	Elsa	M	TX1080005	6,000	Emergency secondary raw water supply line to Engelman's Irrigation main canal located 1.7 miles northwest of the water plant. This represents a secondary source of raw water. The proposed improvements consist of installing 12,700 lineal feet of 30-inch PVC pipe from the existing main canal. Other improvements include the installation of gate structures, control structures, metering devices, vent structures, fittings, and a SCADA.	PDC	8/8/2013	$1,285,510				10278
201	0.00	9985	Elsa	M	TX1080005	6,000	Water treatment plant improvements including chlorination, lagoon pumping/piping, and repair storage tank	PD	8/1/2014	$1,420,750		BC	$47,000	
202	0.00	10062	La Grulla	M	TX2140006	6,693	The proposed project will involve replacing the existing water meters with AMR water meter 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	9/1/2014	$1,578,259		CE	$1,578,259	
203	0.00	10327	Brookesmith SUD	D	TX0250004	8,390	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	2/1/2014	$975,000				10319
204	0.00	9927	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.	PD	11/1/2014	$1,447,300				
205	0.00	9928	Liberty	M	TX1460003	9,729	Construct a 150,000 gallon elevated storage tank to remedy low water pressure in the Northeast service area.	PAD	1/1/2015	$1,275,600				
206	0.00	9929	Liberty	M	TX1460003	9,729	Construct new well, ground storage tank, and pumps to supplement existing malfunctioning well that produces low quality water.	PD	4/1/2015	$2,345,200				

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207	0.00	10300	Agua SUD	D	TX1080022	39,747	Emergency installation of electricity and a river pump system, pipes and appertenunces to deliver the raw water to the La Havana Water Plant.	PADC	5/31/2013	$1,454,500				10272
208	0.00	10154	Edinburg	M	TX1080004	55,021	Expansion of the West Water Treatment Plant from 8.0 MGD to 16.0 MGD to provide a total treatment capacity of 25.99 MGD with a required treatment capacity of 16.67 MGD. The expansion will also include a 2.0 MGD clearwell/ground storage tank.	C	6/1/2013	$10,175,000				
209	0.00	10232	Beaumont	M	TX1230001	131,000	Extend a 36-inch diameter water transmission line from the Water Plant on Pine Street to the new 2 MG elevated storage tank on Dishman Road.	AD	6/1/2013	$9,297,000				9891
210	0.00	10063	Grand Prairie	M	TX0570048	166,650	Automatic meter (AMI) conversion Phase 1 of 6,500 meters will save money for the water system by reducing personnel time and transportation expenses and achieves conservation goals.	PDC	11/1/2013	$4,000,000		CE	$4,000,000	
211	0.00	10082	Brownsville	M	TX0310001	172,437	Construction of new water service 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.	D	6/1/2014	$1,743,221				
212	0.00	10212	Brownsville	M	tx0310001	172,437	Update and replace filter media and underdrains. Replace surface wash system and update electrical systems to address excess turbidy and aging system.	D	1/27/2014	$4,773,829				
213	0.00	10182	San Antonio Water System	M	TX0150018	1,281,002	Replacement of all electrical switchgear, chlorination and fluoridation equipment to bring them into compliance with fire codes & to add a 7.5 MG storage tank fornew water sources	C	11/15/2013	$21,116,880				
214	0.00	10184	San Antonio Water System	M	TX0150018	1,281,002	Replacement of all electrical switchgear, chlorination and fluoridation equipment to bring into compliance with fire codes	C	5/1/2013	$5,419,200				

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215	0.00	10185	San Antonio Water System	M	TX0150018	1,281,002	Replacement of approximately 38,000 aging meters	C	5/1/2013	$4,682,512		BC	$4,150,000	
216	0.00	10187	San Antonio Water System	M	TX0150018	1,281,002	Replacement of approximately 60,000 lf of 6 - 12 inch water main	C		$3,490,199		BC	$3,490,199	
217	0.00	10190	San Antonio Water System	M	TX0150018	1,281,002	Provide scales for chlorine containers and secondary containment at chlorine buildings	C	8/31/2014	$8,863,800				
218	0.00	10193	San Antonio Water System	M	TX0150018	1,281,002	Addition of a 10 mgd pump for pressure zone 8 at the University Pump Station	C	3/1/2014	$6,097,780				
219	16.50	10363	Lyford	M	TX2450003	2,611	Emergency project to install two ground water wells at the water treatment plant for a new water supply source. Also includes construction of a 1.0 MGD reverse osmosis membrane treatment facility to treat the brackish groundwater.	PADC	7/1/2014	$4,180,000	50			
220	22.50	10368	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.	PAD	2/1/2015	$2,202,950	30			
221	19.00	10378	Twin Buttes Water System Inc.	P	TX2260026	105	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.	AD	4/1/2014	$345,799				
222	12.50	10361	Hazy Hills WSC	P	TX2270091	219	System does not meet TCEQ standard for pumping capacity per tap, System needs additional well.	PAD		$94,000				
223	0.00	10375	Holly Huff WSC	W	TX1210004	729	200 GPM New Well	PD	1/1/2015	$200,000				
224	0.00	10376	Greater Texoma UA	I	TX0490016	1,906	Replace all asbestos cement pipe with polyethylene pipe and provide distribution system with needed storage.	PDC	3/1/2015	$3,325,183				
225	0.00	10379	Greater Texoma UA	I	TX0910009	3,046	Connect to the Collin-Grayson Municipal Alliance distribution system.	PAD	3/1/2015	$3,286,064				

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226	73.90	10388	O'Brien	M	TX1040005	110	This project includes reconstructing the chlorine dispensing and liquid ammonium nitrate systems, ground pump replacement or repair, and a meter for the city's stand pipe. The project also includes water meter replacements, pump station electrical rehabilitation, and a service pump replacement.	C		$170,000	50			
227	24.00	10383	San Marcos	M	TX1050001	62,865	Expand the City's reclaimed water system to provide irrigation in City parks and to provide chill plant make-up water and irrigate 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.	PD	11/1/2014	$22,068,800	50	CE	$22,068,800	
228	0.00	10932	San Antonio Water System	M	TX0150018	1,659,593	Transport water supplies to the SAWS distribution system. This project will construct two segments of the transmission pipeline and two pump stations that will deliver 50 MGD of water.	C	9/23/2014	$82,413,313				
229	3.00	10937	Euless	M	TX2200031	52,780	The project will replace the City's aging, drive-by read water meter infrastructure for its 14,016 water connections with fixed base, automated meter reading (AMR) units. The project will enhance the city's water efficiency, reduce its demand for treated water from the Trinity River Authority (TRA) and raw water from the Tarrant Regional Water District (TRWD), and help defer the need for additional raw water supplies and potable water treatment and distribution facilities.	C	10/1/2014	$5,000,000		BC	$5,000,000	
230	3.00	10938	Brazosport WA	D	TX0200497	87,377	Construct a 10 MG clearwell to provide additional operational flexibility and provide stored treated water int eh event of a natural disaster. Bring electrical system up to current codes.	DC	7/1/2015	$19,300,000				

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231		10939	Port Mansfield PUD	D	TX2450004	578	The PUD is requesting DWRSF funds for the elevated storage tank. Due to urgent structural deficiences in the ground storage tanks, the PUD is seeking emergency funding through alternative sources. The PUD has not yet completed the design for the rehabilitation of the elevated storage tank. However, the initial assessment of the elevated storage tank suggests rehabilitation measures, including structural repairs, the replacement of appurtenances, and the replacement of interior/exterior coating.	PDC	9/1/2016	$380,000	30			
Totals		**231**								**$1,159,476,364**	**74**	**94**	**$249,548,350**	

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Appendix L. Invited Projects List

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1	359.10	10221	Robert Lee[1]	M	TX0410002	1,031	New wells, transmission line for purchased water, SWTP upgrades, new intake and replace meters	C	4/1/2012	$9,775,400	70	BC	$224,953	9809, 9211
2	287.80	10222	Bronte[1]	M	TX0410001	977	Four new wells, raw water transmission lines, treatment plant expansion, finished water transmission lines and a new standpipe	C	7/1/2012	$6,698,960	30	CE	$576,000	9840, 9110
3	239.50	10112	Ballinger	M	TX2000001	4,243	Develop a new alternative groundwater supply which will require a raw water transmission system to transfer water to the City's water treatment plant, and reverse osmosis system improvements to treat the groundwater to meet primary and secondary standards. The City currently has access to two surface water supplies, Lake Ballinger (Lake) and O.H. Ivie Reservoir (Ivie). Due to the ongoing drought, Ivie is currently less than 25% full and the City's lake is less than 50% full, with spiking organic levels limiting its use for drinking water.	PADC	4/1/2014	$12,016,000	30			
4	211.10	10157	Brady[1]	M	TX1540001	5,324	Replace existing old, deteriorated and leaking water lines. The existing waterlines are not adequate for new service requests in the northeast part of the City.	PD	1/1/2014	$90,000	50	BC	$400,000	9638, 9198
5	165.00	10223	Menard[1]	M	TX1640001	1,493	New WTP, new wells and well rehabilitation	C	6/1/2012	$5,075,000	50	CE	$224,886	9160, 9896
6	161.60	10104	Upper Leon River MWD[1]	D	TX0470015	2,316	Replace the existing conventional filters at the water treatment plant with a new membrane filtration system. Upgrade existing transfer pump stations with new low-voltage pumps, motors and motor control centers.	C	6/1/2014	$12,201,000	30	BC	$6,100,500	9626

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7	143.70	10306	Upper Leon River MWD	D	TX0470015	2,316	Emergency project to develop a groundwater supply source to augment existing surface water supplies to provide additional raw water to the District in the event that the water level in Lake Proctor drops too low.	PADC	10/1/2013	$5,279,000	30			10290
8	141.20	10156	Gorman	M	TX0670003	1,236	Drill new water well and build a new 100,000 elevated tank to replace an existing 75,000 gallon elevated tank which has lead based paint and is in a state of disrepair. Additional water is needed for new connection requests from the City of Desdemona.	PAD	7/1/2015	$393,000	50			
9	111.10	10261	Lawn[1]	M	TX2210005	927	Abandon WTP and construct new treated water supply; build taller standpipe; replace old and deteriorated water lines.	C	1/1/2014	$4,427,400	70			9625
10	85.30	10219	Live Oak Hills Subdivision	P	TX1540012	60	Install a radium removal system with a building and plumbing to house it.	C	8/30/2013	$100,000				9888
11	85.30	10151	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.	PD	7/1/2015	$364,000	70			
12	82.50	10057	Cyndie Park II WSC	W	TX1780050	66	Upgrade the water system including a new chlorine system, new well and well meter, replace water storage tank and accessories, and prepare a drought contingency plan, plant operations manual, and monitoring plan. The water system currently lacks appropriate chlorination facilities and their water has exceeded allowed levels for Arsenic, Total Dissolved Solids, and chloride, as well as numerous other violations.	PD	2/1/2014	$124,000	70	BC	$30,000	

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13	81.33	10342	Vista Verde Water Systems Inc	P	TX1700694	66	Drill a new water well in a different water table to improve water quality. Gross alpha and combined radium 266 & 228 must be corrected by 12/15/2013.	PDC	9/15/2013	$105,000				10341
14	79.30	9916	Anahuac[2]	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	PAD	6/1/2013	$2,700,741				
15	76.80	10000	North Runnels Co WSC	W	TX2000005	1,500	Install pump station, transmission and distribution lines for purchase water from Bronte to reduced THM levels. Also, provide public water to 200 households around Oak Creek Reservior.	PAD	7/1/2015	$908,220				
16	73.50	9988	Anthony	M	TX0710001	2,355	Water treatment improvements, including arsenic removal, and new tank, replacement of lines, and new meters/pumps	PAD	4/1/2014	$1,023,119	30	Both	$464,500	
17	71.10	10155	Baird	M	TX0300001	1,620	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.	PD	10/1/2015	$625,000		BC	$456,650	
18	70.30	10174	Plains	M	TX2510002	1,481	Provide precipitation treatment and activated alumina treatment to lower arsenic and floride levels	D	1/2/2014	$250,000				9889

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19	65.30	10148	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.	PD	8/1/2015	$300,000	30	BC	$295,379	
20	59.80	10003	Moulton	M	TX1430002	886	Develop and implement an Asset Management Plan to document assets and record their useful life and replacement costs. The City has violated TCEQ regulations for Total Trihalomethane (TTHM) and Total Coliform (TCR); they also have capacity issues and high arsenic levels in one well. One well is inoperable and they are experiencing excessive water loss due to an aging distribution system. The Asset Management Plan is needed to begin to address their many issues.	PD	12/1/2013	$92,800				
21	59.30	10096	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.	PAD	10/15/2013	$760,000				

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22	50.80	10189	Upper Colorado RA	A	TX2000002	10,838	In order to use the existing raw water system, 6.5 miles of 36" pipline 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	4/1/2016	$2,350,000				
23	50.50	10225	Riesel	M	TX1550040	1,242	Arsenic Treatment	PD	1/1/2014	$199,200				9884
24	49.20	10186	Vinton	M	TX0710151	30	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.	AD	1/2/2015	$3,246,850	70			
25	49.10	10168	Clyde	M	TX0300002	3,842	Construction of 104,000 lf of water pipeline and rehabilitation of the surface water treatment plant	PAD	5/1/2015	$1,350,000				

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26	47.50	10072	Sol Y Mar WS	P	TX1080238	84	This project will install two booster pumps, two mechanical meters, two water softeners, and finally two nitrate removal systems to bring the system into TCEQ & EPA compliance. Sol Y Mar has been under enforcement action by both TCEQ and EPA for having high nitrates in its system. EPA has given the water system 18 months to fix the problem.	PD	12/1/2013	$47,900				
27	44.50	10292	Rio Hondo	M	TX0310006	2,356	Rehabilitation of the treatment plant, replacement of distribution lines, replacement of meters, and new pumping system	PDC	7/15/2014	$3,350,665	70	Both	$5,309,758	9981
28	44.00	10095	Greenbelt MIWA	D	TX0650013	22,000	A well field, supplying up to 3 MGD, will be constructed on the North Ogallala Aquifer. This well field will be connected to the GMIWA treatment plant with a new, 16-inch pipeline approximately 15 miles long. Studies have shown that the GMIWA will require up to 2,000 acre-feet of additional supply and the proposed project seeks to remedy this shortfall.	ADC	7/1/2014	$10,000,000	30			
29	43.83	10338	San Pedro Canyon Water Co	P	TX2330011	150	Drill a new well meeting TCEQ regulations and requirements for a public water well: following an engineered plan for cemented casing to seal off entry of contaminants to depths determined by geophysical logging when the well is drilled. Initiate asset managemnet plan and training.	PDC		$240,281				10337
30	43.50	10134	Winters	M	TX2000003	2,582	Develop an alternative groundwater supply, requiring a raw water transmission system to transfer water to the city's water treatment plant.	PAD	12/1/2014	$595,000	30			

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31	42.90	9912	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.	PAD	7/1/2014	$235,150				
32	40.00	10179	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	1/1/2014	$2,340,000				
33	33.00	10334	West	M	TX1550009	2,695	City will construct a new 150,000 gallon elevated storage tank to solve pressure problems in the norther portion of the distribution system. The City will also construct a new water well and pump station to make the City's water supply more reliable. Project will also include creation of an asset management program.	PDC	3/18/2014	$7,145,225	50			10333
34	32.50	10253	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.	PD	8/1/2014	$395,300	50	BC		

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35	32.50	10153	Rotan	M	TX0760002	1,440	Replace 14 miles of water line with a new 12" PVC water line, add an 8" line to connect to Bitter, and add a ground storage tank at Camp Springs where additional disinfectant can be added for the final segment of line to Rotan. The new tank will also lower the pressure to Rotan and thus reduce the water loss being experienced along the old line. The system has been cited by TCEQ for low disinfection residuals. It is believed that the iron bacteria, in the old cast iron line, contribute to the low disinfection residuals.	PD	8/1/2015	$475,000	50	BC	$2,800,000	
36	32.30	10122	Graham	M	TX2520001	8,716	Plant expansion and rehab 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.	P	11/15/2013	$415,000		BC	$1,500,000	
37	30.00	10123	Graham	M	TX2520001	8,716	Water transmission line from water treatment plant plant	C	11/15/2013	$11,900,000				
38	26.40	10145	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.	PAD	7/1/2015	$1,005,000				

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39	26.40	10146	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.	PAD	7/1/2015	$1,300,000				
40	26.30	10083	Brownsville[2]	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 City's northern area of town. This area has low pressure due to constant population growth without the infrastructure needed to compensate.	D	5/31/2014	$279,748				
41	26.30	10084	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.	PAD	5/31/2015	$823,401				

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42	26.00	10099	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.	PD	3/15/2015	$212,000	30	BC	$2,078,000	
43	26.00	10216	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.	PD	1/1/2015	$908,350	70	BC	$929,982	
44	25.50	10213	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.	PD	2/1/2014	$312,700	30			
45	25.00	9990	Lass Water Company	P	TX0910143	201	Replace well to address system deficiencies	P	12/1/2013	$3,000				
46	23.00	10211	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 will address low pressure. Replacement of exisiting fire hydrants will address water loss. Prepare an asset management plan.	PD	10/21/2014	$1,451,442	30	Both	$420,000	

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47	22.80	10124	Abilene	M	TX2210001	116,412	Implement a trifluoromethane, TTHM, precursor removal and stripping proceses at the city's water treatment plant to lower TTHM in the finished water.	C	3/1/2014	$11,478,000				
48	22.50	10150	Rising Star	M	TX0670005	834	Replace 7000 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.	PD	12/1/2014	$236,000	30			
49	22.50	10229	Honey Grove[1]	M	TX0740003	2,280	Distribution improvements	C	1/1/2013	$5,534,450	30			9222
50	22.50	10139	Texas State Technical College	S	TX1550138	2,502	Replace cast iron, calcified pipes with smaller pipes to provide adequate service and stop nitrification episodes.	PD	3/1/2014	$1,200,000		BC	$100,000	
51	22.00	10196	Greater Texoma UA	I	TX0910006	26	Replacement of 3,500 lf of existing 12 inch water main on the west side of Texoma Highway	PD	6/1/2014	$64,258		BC	$400,978	

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52	22.00	10158	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.	PD	5/1/2015	$950,000	30			
53	22.00	10171	Eagle Pass[1]	M	TX1620001	35,826	Replacement of inadequately sized pipe that does not meet current standards	C	6/1/2013	$57,758,450	30	BC	$5,130,055	9621
54	21.00	10279	Graham	M	TX2520001	8,716	Install additional transmission line from plant to distribution system. Replace aging lines.	C	11/15/2013	$1,845,000				
55	21.00	10294	Raymondville	M	TX2450001	9,733	Emergency project to provide Reverse Osmosis Treatment to their existing water well, reclaim its effluent from the WWTP discharge and other pretreatment upgrades. This project is needed to address its raw water storage needs for times of extreme drought.	PDC	3/1/2014	$3,311,000	50	CE	$1,794,000	10076
56	20.50	10267	Reklaw[1]	M	TX0370039	594	Drill new water well.	C	11/1/2013	$950,950	30			9743

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57	20.00	10058	Derby WSC	W	TX0820016	51	Upgrade the water system including new chlorine system, well repair and well meter replacement, 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.	PD	2/1/2014	$54,000	50	BC	$10,000	
58	20.00	9995	Texas Water Company	P	TX0610051	59	Construct an interconnect line to the Town of Colony to address capacity issues	D	1/1/2014	$24,000				
59	20.00	10085	Lass Water Company	P	TX1250033	111	Upgrade the water system including new chlorine system, well repair and well meter replacement, 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.	PD	2/1/2014	$144,000	70	CE	$50,000	
60	20.00	10056	Dell City[1]	M	TX1150001	405	Install new Reverse Osmosis water treatment facility. Currently, the 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.	C	5/1/2014	$815,500	70			
61	20.00	10164	West Tawakoni	M	TX1160012	1,750	Replace existing 2 inch lines with 6 inch lines and install fire hydrants	PD	1/1/2014	$232,000	30	BC	$2,274,000	
62	16.90	10017	La Feria	M	TX0310003	7,149	Build a new water desalination plant to treat brackish and salt water. Due to exceptional drought conditions new water sources are needed to meet the community's demands. An emergency disaster proclamation has been issued by the Governor of Texas due to prolonged historic drought conditions.	PD	9/30/2014	$1,141,720	30			

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63	16.00	10114	Valley WSC[1]	W	TX0630013	220	Install new water lines to eliminate leaks and reduce water loss. Due to line losses, only 33% of the water purchased from the City of Spur is being delivered and billed to the WSC customers.	C	3/1/2014	$981,000	70	BC	$949,539	9595
64	15.50	10117	DeLeon[1]	M	TX0470002	2,335	Replace existing pipes that are deteriorating and undersized. Replacement of leaking water distribution lines will reduce water loss for the City.	C	3/1/2014	$1,275,500	50	BC	$1,334,737	9619
65	15.50	10201	Mexia	M	TX1470004	6,790	Replacement of deteriorated water meters	PDC	5/1/2014	$1,880,000	30	CE	$1,880,000	
66	15.00	9992	Lass Water Company	P	TX2200117	7,347	Replace well to resolve system deficiencies	P	12/1/2013	$3,000				
67	14.00	10008	Skyline Ranch Estates WSC	W	TX1050078	189	New well, storage tank and many system improvements to meet TCEQ contaminate and capacity requirements. Upgrades will be made to the pump controls and pump building, access road, security, and SCADA system. The system is currently experiencing problems with high levels of Total Dissolved Solids (TDS), iron, and sulfate and they do not have the required well capacity.	PADC	9/1/2013	$488,980				
68	14.00	9973	Harris Co WCID # 36	D	TX1010239	12,432	Water line replacement and rehabilitation along with upgrades to water pumping facilities to prevent water loss and improve efficiencies	PD	7/1/2014	$915,371	70	BC	$876,200	
69	13.50	10108	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	PAD	6/1/2015	$329,000		BC	$326,795	

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70	13.50	10091	Grand Saline	M	TX2340003	3,028	Replacement of 38 year old deteriorated water lines and inoperable valves with a history of problems, and the development of an Asset Management Program.	PAD	6/1/2014	$402,810	30	BC	$695,500	
71	13.50	10045	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.	PAD	4/15/2014	$792,172	30	CE	$5,384,150	
72	13.50	9987	Port Arthur	M	TX1230009	57,755	Replace water lines to reduce leaks and increase pressure	D	3/1/2015	$1,371,297		BC	$7,894,476	
73	13.00	10304	Breckenridge	M	TX2150001	5,868	Emergency improvements to deal with the prolonged drought will include intake and pumping improvements for Lake Daniel, pruchasing and treating supply from PK Lake. Improvements will also include waterline replacement to reduce water losses.	PDC	1/1/2014	$9,056,000	30			10288
74	13.00	10260	White River MWD[1]	D	TX0540015	10,833	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	3/1/2013	$35,780,166	50	BC	$7,300,155	9525

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75	13.00	10086	Sweetwater	M	TX1770002	11,560	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.	PD	3/1/2014	$658,500	30			
76	13.00	9960	Weslaco	M	TX1080011	28,111	Replacement of existing 8" cast iron water line on 8th Street to reduce water loss	PD		$15,000		BC	$171,350	
77	12.50	10325	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	9/1/2013	$241,495				10320
78	12.50	9934	Lass Water Company	P	TX2490049	315	Replace well to comply with TCEQ pressure, capacity, and contaminant rules.	P	12/1/2013	$3,000				
79	12.50	10262	Carbon[1]	M	TX0670015	359	Replace 6" main water line and install two new water wells.	C	4/30/2013	$774,000	50	BC	$708,415	9570
80	12.50	9920	New Ulm WSC[1]	W	TX0080014	465	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.	D	6/1/2014	$45,808	70			9806
81	12.50	10160	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. Downtime, install chemical storage facilities and building upgrades to address system deficiencies.	PD	5/1/2013	$216,000		BC	$1,256,000	

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82	12.50	10113	New Deal[1]	M	TX1520015	801	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	1/15/2015	$1,033,000		BC	$692,000	9618, 10113
83	12.50	9982	Point	M	TX1900004	1,908	Replace the system meters with AMR smart meters to improve detection of water loss	PDC	1/1/2014	$429,700		CE	$429,700	
84	12.50	10235	Hondo[1]	M	TX1630002	11,165	The proposed project will replace approximately 4.5 miles of aging water line to reduce water loss. Also replace the City's North Elevated Storage Tank (EST); rehabilitate the City Yard EST and Golf Course GST; and demolish the Spatz Road GST and high service pump station.	C	4/1/2013	$3,945,828				9377, 9378
85	12.50	10302	East Rio Hondo WSC	W	TX0310096	18,996	Emergeny 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.	PADC	4/15/2014	$1,905,745	30			10284
86	12.50	10268	Del Rio[1]	M	TX2330001	35,378	Distribution Line Replacement	C	3/1/2014	$43,850,712		BC	$4,602,697	9634
87	12.00	10305	Sweetwater	M	TX1770002	11,560	Emergency project will develop additional well fields to allow adequate recharge of the existing well fields and supplement the water supply capacity lost from the reduction in surface water supplies.	PDC	8/1/2013	$1,894,000	30			10289

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88	11.50	9915	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.	A	4/1/2014	$11,000		BC	$100,000	
89	11.50	10050	Jefferson	M	TX1580001	2,205	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	PD	1/1/2015	$223,000	30	BC	$1,115,000	
90	11.50	10052	Jefferson	M	TX1580001	2,205	Replace water lines and create an asset management plan to address the aged and degraded system	PD	1/1/2015	$487,500	30	BC	$3,558,080	
91	11.50	10054	Atlanta	M	TX0340001	5,798	Install a new ground storage tank and rehabilitate another ground storage tank, rehabilitate both elevated storage tanks, install new water line with in-line meters, install new high speed pumps & create an asset management plan	PD	9/1/2015	$357,500	30	BC	$578,088	
92	11.00	10175	Hico	M	TX0970002	1,379	Replacement of waterlines, deteriorated ground storage tank and aging water meters to address low water pressure issues.	PDC	1/1/2014	$3,031,785	50	BC	$3,100,000	9890

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93	11.00	10061	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	9/1/2014	$938,852	30	CE	$938,851	
94	11.00	9959	Weslaco	M	TX1080011	28,111	Replacement of existing 16" asbestos water line to reduce water loss	PD		$42,000		BC	$498,355	
95	10.50	10079	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. Planning of an asset management plan will take place as well.	DC	9/10/2014	$854,830	30	CE	$854,829	
96	10.50	10335	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	3/18/2014	$471,500	50			10332

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97	10.50	10042	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.	PD	4/15/2014	$817,240	30	CE	$7,220,101	
98	10.00	9936	Lass Water Company	P	TX1250033	111	Construct new well, ground storage tank, and booster pump to alleviate deficiencies and come into compliance with TCEQ capacity rules.	P	12/1/2013	$3,000				
99	10.00	10177	Bluff Dale WSC	W	TX0720036	300	Installation of a second well that will allow the continual distribution of water	PADC	5/1/2013	$301,020				9892
100	10.00	9978	Kendleton	M	TX0790018	499	Water system line replacements, water line extensions to unserved areas and replacing water meters	D	6/1/2014	$150,000	30	BC	$30,000	
101	10.00	10172	Graford	M	TX1820003	578	Replace existing old, deteriorated and leaking water lines.	PD	1/1/2014	$84,000		BC	$430,000	
102	10.00	10295	Strawn	M	TX1820005	632	Emergency project to abandon the old existing WTP and connect to the City of Ranger's water supply.	PADC	1/1/2014	$1,580,000		BC	$1,580,000	10166
103	10.00	10293	Bandera Co FWSD # 1	D	TX0100011	847	Emergency construction of a new well, storage and pumping facilities, and lines to tie into the existing system.	PDC	9/1/2014	$1,217,958				10064
104	10.00	10167	Lone Oak	M	TX1160006	900	Construction of new water plant and replacement of distribution lines	PAD	3/1/2015	$255,000	50	BC	$150,000	

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105	10.00	10170	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.	PD	3/1/2014	$112,600		BC	$359,000	
106	10.00	10326	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	3/1/2014	$1,251,100				10321
107	10.00	10181	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.	PD	7/15/2013	$50,000	30			
108	10.00	10202	Clarendon	M	TX0650001	1,974	Replacement of cast iron mains with PVC and construction of an elevated tank	PD	9/1/2014	$215,000				
109	10.00	10183	Ralls	M	TX0540003	2,250	Install/retrofit existing meters with automatic readers as well as replace problematic (leaking) distribution lines.	PD	6/1/2013	$115,000	30	Both	$586,396	
110	10.00	10307	Bangs	M	TX0250001	2,550	Install new radio read water meters.	PDC	1/1/2014	$300,000	30			10291
111	10.00	10215	Tahoka	M	TX1530002	2,837	Replace 60,000 lf of waterline with HDPE or PVC pipe and construction of a 1.5 mg ground storage tank	D	10/7/2013	$25,000		BC	$1,810,000	

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112	10.00	10116	La Joya	M	TX1080213	3,046	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 for customer service connections and firefighting. Also an Advanced meter reading infrastructure (AMI) system with leak detection will be installed throughout the potable water distribution system.	PD	2/1/2014	$328,718	30	BC	$988,848	
113	10.00	10118	La Joya	M	TX1080213	3,046	Expand water treatment plant to alleviate inadequate water treatment capacity, a new SCADA system, and green power infrastructure including two 1OOKW wind turbines and 11 solar LED lights. These units will provide cost savings and reduce the utility's carbon footprint. The SCAD A system will combine health monitoring and AMR equipment with advanced power systems monitoring, physical security, and network cyber security.	C	2/1/2014	$6,469,080	30	BC	$2,450,000	
114	10.00	10163	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		$683,700		BC	$684,000	
115	10.00	10024	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.	PD	1/1/2014	$223,834	30	BC		
116	10.00	10026	Mathis	M	TX2050003	5,769	System improvements include replacing valves and chemical feed pumps, rehabilitating clarifiers and raw water piping, and filling in lagoons.	PD	1/1/2014	$254,345	30			

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117	10.00	10317	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	8/1/2013	$88,000				
118	10.00	10121	Graham	M	TX2520001	8,716	Increase plant storage capacity from 1 MG to 2 MG to meet minimum capacity requirements	P	11/15/2013	$48,000				
119	10.00	9976	El Campo	M	TX2410002	13,200	The City of El Camp intends to replace the existing asbestos cement and cast iron 6-inch water lines beneath US Hwy 71 with a new 12-inch PVC line to be located behind the curb and outside the TxDOT maintained pavement. The existing 6-inch line is undersized and experiences frequent leaks causing TxDOT pavement failures and traffic congestion on Hwy 71. In addition to the longitudinal line replacement, the City will replace all lateral lines, valves, and services beneath Hwy 71. These lateral lines range in size from 2- to 10-inches. In addition, all fire hydrants, valves and leads will be replaced along the route.	PAD	10/1/2013	$455,000				
120	10.00	10303	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 in order to double current plant capacity. This new distribution trunkline would allow full utilization of that additional capacity.	PADC	4/1/2014	$1,139,288	30			10287
121	10.00	10018	San Benito	M	TX0310007	26,000	Water System Improvements	AD		$520,010	50			

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122	10.00	10178	San Juan[1]	M	TX1080010	30,000	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	12/1/2013	$4,210,000	30			9730
123	10.00	10090	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	10/1/2013	$1,811,668		Both	$1,881,678	
124	8.80	10087	Brownsville[2]	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.	AD	9/15/2013	$1,079,523				

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125	8.50	10210	Houston	M	TX1010013	2,700,000	Replace aged water distribution lines with new plastic pipe. The existing system has limited capacity and cannot support current fire protection demands in certain areas. Existing pipe material is Cast Iron or Asbestos Cement. Pipes are old and require frequent repairs and maintenance. The quality of water has been impacted by the age of water lines. Water lines in the vicinity experience low pressure occasionally.	C	9/4/2014	$59,400,000		BC	$59,400,000	
126	8.00	10173	Wiedenfeld Water Works	P	TX1630038	108	Drill new well into the Trinity Aquifer	DC	3/1/2013	$350,000				9883
127	7.00	10298	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	1/6/2014	$1,320,575				10256
128	6.00	10195	Houston	M	TX1010013	2,700,000	Replace water meters that have exceeded their useful life. Water meters have a certain useful life. When the useful life is exceeded, the meters do not perform their intended function of accurately reading water consumption. The City loses revenues and leaks or high use goes undetected.	C	7/1/2014	$6,050,000		BC	$6,050,000	
129	6.00	10200	Houston	M	TX1010013	2,700,000	Install automatic meter reading devices to lower personnel and fuel costs and emissions. Reading water meters manually requires a high level of personnel and fuel costs and adds to emissions in the City.	C	7/1/2014	$1,320,000		CE	$1,320,000	

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130	5.50	10194	Houston[2]	M	TX1010013	2,700,000	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.	PD	9/15/2014	$8,800,000				
131	5.50	10197	Houston	M	TX1010013	2,700,000	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	9/15/2014	$5,500,000				
132	5.40	9983	McAllen	M	TX1080006	141,060	Produce 6 MGD water source using geothermal energy/pressure to provide an alternative water source	PAD	10/1/2013	$1,300,000		Both	$16,430,000	
133	5.00	9963	Lass Water Company	P	TX1013143	23	Install pressure tank and replace well to resolve system deficiencies	P	12/1/2013	$3,000				
134	5.00	9991	Lass Water Company	P	TX1013097	33	Install water pressure tank and replace well	P	12/1/2013	$3,000				
135	5.00	10296	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	1/6/2014	$3,954,500		BC	$2,886,800	10214

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136	5.00	10299	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	1/6/2014	$3,059,360				10257
137	4.00	10092	Harris Co MUD # 148	D	TX1010938	3,141	Replacement of 38 year old deteriorated water lines and inoperable valves with a history of problems and the development of an Asset Management Program.	PD	1/1/2014	$77,000		BC	$966,000	
138	3.50	10066	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	12/1/2013	$470,000		CE	$470,000	
139	3.50	10217	Alice	M	tx1250001	19,744	Rehabilitation of the 22.5 mile 20 inch transmission main by slip lining	PAD		$414,000		BC	$414,000	
140	3.00	10039	Lilbert-Looneyville WSC	W	TX1740013	618	New well, 30,000 gal. GST, pressure tank, and asset management plan to increase water supply and pressure	PD	5/1/2015	$88,736		BC	$175,000	
141	3.00	10046	Craft-Turney WSC	W	TX0370016	4,968	New well and treatment plant, ground storage tank, pressure tank, new water lines, and asset management plan to address insufficient water supply and storage, pressure, and loop system.	PAD	5/1/2015	$328,375				
142	3.00	10038	D & M WSC	W	TX1740010	5,742	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.	PD	5/1/2015	$230,130				
143	3.00	10040	D & M WSC	W	TX1740010	5,742	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.	PD	5/1/2015	$158,800		BC	$50,000	

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144	3.00	10198	Houston	M	TX1010013	2,700,000	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	7/31/2014	$8,800,000				
145	3.00	10199	Houston	M	TX1010013	2,700,000	Rehabilitate ground water wells. Ground water wells are experiencing decreased production capacity.	C	7/31/2014	$6,600,000				
146	3.00	10204	Houston	M	TX1010013	2,700,000	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	7/31/2014	$8,250,000				
147	3.00	10207	Houston	M	TX1010013	2,700,000	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	7/16/2014	$12,650,000				
148	3.00	10208	Houston	M	TX1010013	2,700,000	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	7/23/2014	$9,735,000				

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149	3.00	10209	Houston	M	TX1010013	2,700,000	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	7/31/2015	$8,250,000				
150	2.50	9931	Lass Water Company	P	TX1011459	48	Install pressure tank to comply with TCEQ pressure and capacity rules.	P	12/1/2013	$3,000				
151	2.50	9965	Lass Water Company	P	TX1160097	93	Install water pressure tank and replace well to resolve system deficiencies	P	12/1/2013	$3,000				
152	2.50	9969	Lass Water Company	P	TX0610016	195	Install well, ground storage tank, and booster pump to resolve system deficiencies	P	12/1/2013	$3,000				
153	2.50	10161	Parker County SUD	D	TX1840025	390	Material costs for 0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PAD	3/1/2014	$140,000		BC	$250,000	
154	2.50	10192	Kosse	M	TX1470003	497	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.	PAD	11/1/2013	$449,000				
155	2.50	10176	Matador	M	TX1730001	740	Replacement of deteriorated water transmission and distribution lines	PDC	1/1/2014	$730,000		BC	$500,000	9893
156	2.50	10180	Tioga	M	TX0910007	1,059	Drill a new well to replace Well #2 approximately 1,600 feet deep into the Antlers formation to produce water with iron content below secondary limits. Improve energy efficiency with more efficient pump and motor and lower pumping head. Reduce unaccounted for water by metering public facilities.	PAD	9/30/2013	$120,000		BC	$275,000	

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157	2.50	10130	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 pipline in order to transmit the water from the quarry to Lake Groesbeck. Will also complete an asset management plan.	PAD	1/1/2015	$974,000				
158	2.50	10049	Craft-Turney WSC	W	TX0370016	4,968	Install new AMR/AMI metering system and asset management plan	PDC	5/1/2015	$1,261,000		CE	$968,000	
159	2.50	10218	Rio Grande City	M	TX2140018	14,040	Replace existing broken/malfunctioning water meters with 100% lead-free smart meters with built in leak detection. Install AMR system.	D	1/6/2014	$257,630		CE	$3,558,330	
160	2.50	10297	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	1/6/2014	$793,944				10255
161	2.50	10191	San Antonio Water System	M	TX0150018	1,281,002	Improvement of fire flow by installing 12 inch water main, pressure reducing valves and connection to SCADA	C	1/2/2014	$5,100,026				
162	2.00	9911	Greater Texoma UA	I	TX0910001	26	Drill and complete a new 300 gpm "Paluxy" formation water supply replacement well.	PAD	11/1/2014	$139,928				
163	2.00	9914	Greater Texoma UA	I	TX0490016	26	Supplemental Well	PD	6/30/2014	$195,457				
164	2.00	10142	Greater Texoma UA	I	TX0910009	26	Water Line Replacements	PD	1/1/2014	$153,275		BC	$1,080,685	
165	2.00	10230	Lake Palo Pinto Area WSC[1]	W	TX0470001	1,584	Surface water treatment plant expansion, booster disinfection and new elevated storage tank	C	4/1/2013	$1,734,527		BC	$883,440	9490, 9897, 9648
166	2.00	10233	Castroville[1]	M	TX1630005	3,678	Water Line Replacement	C	7/1/2012	$2,039,600				9299, 9899, 9655

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167	2.00	10220	Burnet[1]	M	TX0270001	4,735	Distribution system improvements to address pressure < 20 psi	C	4/1/2010	$1,265,000	70	Both	$1,375,000	8480, 9900
168	2.00	10188	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.	AD	2/1/2014	$4,196,300				
169	2.00	10165	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				
170	2.00	9961	Weslaco	M	TX1080011	28,111	A new well to supplement existing system to address potential drought issues	PD		$435,000		CE	$300,000	
171	2.00	10269	Amarillo[1]	M	TX1880001	190,695	Design phase and construction services of a proposed 36-inch transmission main from the City of Amarillo's Osage Water Treatment Plant south and west to the City of Amarillo's Arden Road Pump Station for approximately 7.63 miles. Project includes additional pump and 2.5 million gallon ground storage tank at the Arden Road Pump Station.	C	7/1/2013	$17,361,314				9757
172	1.30	10131	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.	PD	3/1/2015	$238,095				

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173	1.00	10324	Laredo	M	TX2400001	199,715	The system will lower its losses from 11% to 10% through installation of radio read meters.	C	5/14/2013	$11,701,058				10315
174	0.50	10004	Jarrell	M	TX2460169	10	DWSRF funds will allow the City of Jarrell to purchase a water system.	PA	4/1/2010	$2,150,000				
175	0.50	10033	Lilbert-Looneyville WSC	W	TX1740013	618	Install new water lines to replace deteriorating lines, line looping, and establish an asset management plan to address system deficiencies	PD	5/1/2015	$158,756				
176	0.50	10043	Lilbert-Looneyville WSC	W	TX1740013	618	Install 6-inch lines system-wide and an asset management plan to address system deficiencies & provide looping	PD	5/15/2015	$161,063				
177	0.50	10036	Cushing	M	TX1740001	1,236	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.	PAD	5/1/2015	$223,765		BC	$300,000	
178	0.50	10029	Swift WSC	W	TX1740019	2,376	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.	PD	5/15/2015	$110,960		BC	$619,977	
179	0.50	10034	Rusk	M	TX0370003	5,340	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 and implement an Asset Management Plan to coordinate future infrastructure needs.	PAD	5/1/2015	$155,371				

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180	0.50	10068	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.	PD	9/1/2014	$1,190,000				
181	0.50	10205	Marshall	M	TX1020002	23,854	Extension of 8 inch PVC water line to provide looping and address delivery deficiencies. Implement asset management plan.	PAD	5/15/2015	$394,866				
182	0.50	10206	Marshall	M	TX1020002	23,854	Installation of an Automatic Meter Reading and leak detection system	PAD	5/1/2015	$816,635		CE	$4,292,520	
183	0.00	9913	Greater Texoma UA	I	TX0490016	26	Replace twenty miles of 45 year old asbestos cement pipe that is in poor condition.	PDC	11/30/2014	$8,591,688		BC	$8,591,688	
184	0.00	10102	Greater Texoma UA	I	TX0910009	26	Upgrade disinfection system.	PD	1/1/2014	$35,157				
185	0.00	9967	Lass Water Company	P	TX1250039	120	Install ground storage tank and booster pump to resolve system deficiencies	P	12/1/2013	$3,000				
186	0.00	9993	Lass Water Company	P	TX0610016	195	Install water meters to address system deficiencies	C	12/1/2013	$26,500				
187	0.00	10159	Gustine	M	TX0470003	442	Rehab the existing 30,000 gallon storage tank	PDC	3/1/2014	$142,000		BC	$142,000	
188	0.00	10323	Buffalo Gap	M	TX2210003	648	Replace approximately 8,200 lf of water line and associated appurtenances.	DC	10/1/2013	$400,000				10316
189	0.00	10162	Palo Pinto WSC	W	TX1820004	957	Replacing existing distribution lines which cause significant water loss and water outages.	PD	1/1/2014	$218,000		BC	$1,469,000	
190	0.00	10328	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	2/1/2014	$460,000				

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191	0.00	10152	Anson	M	TX1270001	2,556	The city plans to re-pipe the four clearwells with new piping and valves as well as provide a by-pass for redundancy which the system does not currently have. The city also plans to provide a building around the claricone 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 claricone and filter structure are exposed to blowing dirt and debris causing turbidity issues in the City's treatment process.	PD	7/1/2015	$172,400				
192	0.00	10080	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 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. Planning of an asset management plan will take place as well.	PDC	9/1/2014	$633,106		CE	$633,106	
193	0.00	10141	Anahuac	M	TX0360001	2,880	Replace water lines and install fire hydrants.	PAD	1/15/2014	$157,000		BC	$418,965	

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194	0.00	10169	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 haul water or depend on shallow wells which have poor quality and low quantity.	PAD	5/1/2015	$1,600,000				
195	0.00	10144	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	PD	5/1/2014	$103,000				
196	0.00	10331	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	3/1/2014	$1,400,000				10330
197	0.00	9998	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.	PAD	7/1/2014	$730,000				
198	0.00	10032	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.	PD	6/1/2014	$270,000				
199	0.00	10119	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	3/1/2014	$410,000		CE	$410,000	

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200	0.00	10301	Elsa	M	TX1080005	6,000	Emergency secondary raw water supply line to Engelman's Irrigation main canal located 1.7 miles northwest of the water plant. This represents a secondary source of raw water. The proposed improvements consist of installing 12,700 lineal feet of 30-inch PVC pipe from the existing main canal. Other improvements include the installation of gate structures, control structures, metering devices, vent structures, fittings, and a SCADA.	PDC	8/8/2013	$1,285,510				10278
201	0.00	9985	Elsa	M	TX1080005	6,000	Water treatment plant improvements including chlorination, lagoon pumping/piping, and repair storage tank	PD	8/1/2014	$197,000		BC	$47,000	
202	0.00	10062	La Grulla	M	TX2140006	6,693	The proposed project will involve replacing the existing water meters with AMR water meter 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	9/1/2014	$1,578,259		CE	$1,578,259	
203	0.00	10327	Brookesmith SUD	D	TX0250004	8,390	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	2/1/2014	$975,000				10319
204	0.00	9927	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.	PD	11/1/2014	$158,900				

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205	0.00	9928	Liberty	M	TX1460003	9,729	Construct a 150,000 gallon elevated storage tank to remedy low water pressure in the Northeast service area.	PAD	1/1/2015	$230,600				
206	0.00	9929	Liberty	M	TX1460003	9,729	Construct new well, ground storage tank, and pumps to supplement existing malfunctioning well that produces low quality water.	PD	4/1/2015	$278,100				
207	0.00	10300	Agua SUD	D	TX1080022	39,747	Emergency installation of electricity and a river pump system, pipes and appertenunces to deliver the raw water to the La Havana Water Plant.	PADC	5/31/2013	$1,454,500				10272
208	0.00	10154	Edinburg	M	TX1080004	55,021	Expansion of the West Water Treatment Plant from 8.0 MGD to 16.0 MGD to provide a total treatment capacity of 25.99 MGD with a required treatment capacity of 16.67 MGD. The expansion will also include a 2.0 MGD clearwell/ground storage tank.	C	6/1/2013	$10,175,000				
209	0.00	10232	Beaumont	M	TX1230001	131,000	Extend a 36-inch diameter water transmission line from the Water Plant on Pine Street to the new 2 MG elevated storage tank on Dishman Road.	AD	6/1/2013	$497,000				9891
210	0.00	10063	Grand Prairie	M	TX0570048	166,650	Automatic meter (AMI) conversion Phase 1 of 6,500 meters will save money for the water system by reducing personnel time and transportation expenses and achieves conservation goals.	PDC	11/1/2013	$4,000,000		CE	$4,000,000	
211	0.00	10082	Brownsville[2]	M	TX0310001	172,437	Construction of new water service 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.	D	6/1/2014	$1,743,221				

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Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Estimated Construction Start	Project Cost	Disadvantaged	Green Type	GPR	Related PIF #'s
212	0.00	10212	Brownsville	M	tx0310001	172,437	Update and replace filter media and underdrains. Replace surface wash system and update electrical systems to address excess turbidy and aging system.	D	1/27/2014	$670,869				
213	0.00	10182	San Antonio Water System	M	TX0150018	1,281,002	Replacement of all electrical switchgear, chlorination and fluoridation equipment to bring them into compliance with fire codes & to add a 7.5 MG storage tank fornew water sources	C	11/15/2013	$21,116,880				
214	0.00	10184	San Antonio Water System	M	TX0150018	1,281,002	Replacement of all electrical switchgear, chlorination and fluoridation equipment to bring into compliance with fire codes	C	5/1/2013	$5,419,200				
215	0.00	10185	San Antonio Water System	M	TX0150018	1,281,002	Replacement of approximately 38,000 aging meters	C	5/1/2013	$4,682,512		BC	$4,150,000	
216	0.00	10187	San Antonio Water System	M	TX0150018	1,281,002	Replacement of approximately 60,000 lf of 6 - 12 inch water main	C		$3,490,199		BC	$3,490,199	
217	0.00	10190	San Antonio Water System	M	TX0150018	1,281,002	Provide scales for chlorine containers and secondary containment at chlorine buildings	C	8/31/2014	$8,863,800				
218	0.00	10193	San Antonio Water System	M	TX0150018	1,281,002	Addition of a 10 mgd pump for pressure zone 8 at the University Pump Station	C	3/1/2014	$6,097,780				
219	16.50	10363	Lyford	M	TX2450003	2,611	Emergency project to install two ground water wells at the water treatment plant for a new water supply source. Also includes construction of a 1.0 MGD reverse osmosis membrane treatment facility to treat the brackish groundwater.	PADC	7/1/2014	$4,180,000	50			
220	22.50	10368	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.	PAD	2/1/2015	$194,636	30			

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221	19.00	10378	Twin Buttes Water System Inc.	P	TX2260026	105	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.	AD	4/1/2014	$37,764				
222	12.50	10361	Hazy Hills WSC	P	TX2270091	219	System does not meet TCEQ standard for pumping capacity per tap, System needs additional well.	PAD		$94,000				
223	0.00	10375	Holly Huff WSC	W	TX1210004	729	200 GPM New Well	PD	1/1/2015	$45,000				
224	0.00	10376	Greater Texoma UA	I	TX0490016	1,906	Replace all asbestos cement pipe with polyethylene pipe and provide distribution system with needed storage.	PDC	3/1/2015	$3,325,183				
225	0.00	10379	Greater Texoma UA	I	TX0910009	3,046	Connect to the Collin-Grayson Municipal Alliance distribution system.	PAD	3/1/2015	$480,460				
226	73.90	10388	O'Brien	M	TX1040005	110	This project includes reconstructing the chlorine dispensing and liquid ammonium nitrate systems, ground pump replacement or repair, and a meter for the city's stand pipe. The project also includes water meter replacements, pump station electrical rehabilitation, and a service pump replacement.	C		$142,847	50			
227	24.00	10383	San Marcos	M	TX1050001	62,865	Expand the City's reclaimed water system to provide irrigation in City parks and to provide chill plant make-up water and irrigate 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.	PD	11/1/2014	$3,129,130	50	CE	$22,068,800	
228	0.00	10932	San Antonio Water System	M	TX0150018	1,659,593	Transport water supplies to the SAWS distribution system. This project will construct two segments of the transmission pipeline and two pump stations that will deliver 50 MGD of water.	C	9/23/2014	$82,413,313				

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

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229	3.00	10937	Euless	M	TX2200031	52,780	The project will replace the City's aging, drive-by read water meter infrastructure for its 14,016 water connections with fixed base, automated meter reading (AMR) units. The project will enhance the city's water efficiency, reduce its demand for treated water from the Trinity River Authority (TRA) and raw water from the Tarrant Regional Water District (TRWD), and help defer the need for additional raw water supplies and potable water treatment and distribution facilities.	C	10/1/2014	$5,000,000		BC	$5,000,000	
230	3.00	10938	Brazosport WA	D	TX0200497	87,377	Construct a 10 MG clearwell to provide additional operational flexibility and provide stored treated water int eh event of a natural disaster. Bring electrical system up to current codes.	DC	7/1/2015	$19,300,000				
231		10939	Port Mansfield PUD	D	TX2450004	578	The PUD is requesting DWRSF funds for the elevated storage tank. Due to urgent structural deficiences in the ground storage tanks, the PUD is seeking emergency funding through alternative sources. The PUD has not yet completed the design for the rehabilitation of the elevated storage tank. However, the initial assessment of the elevated storage tank suggests rehabilitation measures, including structural repairs, the replacement of appurtenances, and the replacement of interior/exterior coating.	PDC	9/1/2016	$380,000	30			
Totals		**231**								**$751,574,011**	**74**	**94**	**$249,548,350**	

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Appendix M. Invited Green Project

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Rank	Points	PIF #	Entity	PWS ID	Project Description	Category of Green	Phase(s)	Project Cost	GPR	Green Type	Subsidized Green
4	211.1	10157	Brady	TX1540001	Waterline replacements to reduce water loss.	Water Efficiency	C	$90,000	$90,000	BC	X
12	82.5	10057	Cyndie Park II WSC	TX1780050	New advanced water meters will be installed at each connection. A new water meter will enable the utility to assess the water loss and take preventive actions to reduce loss.	Water Efficiency	PD	$124,000	$2,505	BC	X
16	73.5	9988	Anthony	TX0710001	AMR meters, efficient pumps, replacement of lines	Water Efficiency	PAD	$1,023,119	$181,399	Both	X
17	71.1	10155	Baird	TX0300001	Replacing raw water line for leakage.	Water Efficiency	PD	$625,000	$58,875	BC	X
19	65.3	10148	San Saba	TX2060001	Replace leaking water lines.	Water Efficiency	PD	$300,000	$300,000	BC	X
27	44.5	10292	Rio Hondo	TX0310006	Automated meters and efficient pumps	Energy Efficiency, Water Efficiency	PDC	$3,350,665	$3,350,665	Both	X
34	32.5	10253	Ladonia	TX0740004	New water lines to address >30% loss.	Water Efficiency	PD	$395,300	$245,481	BC	
35	32.5	10153	Rotan	TX0760002	Old leaking water lines will be replaced with new PVC lines.	Water Efficiency	PD	$475,000	$255,788	BC	
36	32.3	10122	Graham	TX2520001	Storage and air scour to make backwash at WTP more efficient	Water Efficiency	P	$415,000	$37,516	BC	
42	26	10099	Spur	TX0630012	The replacement of the old and deteriorated water lines and valves in the City's water distribution system will reduce the water loss due to the water line breaks. The water system loss in 2011 was approximately 19 million gallons.	Water Efficiency	PD	$212,000	$212,000	BC	
43	26	10216	Harris Co FWSD # 1A	TX1010082	Replace distribution system and meters to reduce significant water loss.	Water Efficiency	PD	$908,350	$649,652	BC	
46	23	10211	Los Fresnos	TX0310004	Installation of leak detection equipment and proposes to use variable speed pumps which will reduce pumping costs by 30%. Will also replace an existing concrete raw water transmission line with PVC pipe.	Water Efficiency	PD	$1,451,442	$50,075	Both	
50	22.5	10139	Texas State Technical College	TX1550138	Upgrade irrigation system with soil moisture sensors	Water Efficiency	PD	$1,200,000	$14,160	BC	
51	22	10196	Greater Texoma UA	TX0910006	Line replacement to lower water loss.	Water Efficiency	PD	$64,258	$64,258	BC	
55	21	10294	Raymondville	TX2450001	Replacement of old pipes and the recycling of effluent water from the WWTP to the Raw Water supply reservoir of the Water Treatment plant.	Water Efficiency	PDC	$3,311,000	$1,793,900	CE	
57	20	10058	Derby WSC	TX0820016	A new water meter will reduce loss and notify the system if leaks occur.	Water Efficiency	PD	$54,000	$2,781	BC	

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59	20	10085	Lass Water Company	TX1250033	A new water meter will reduce loss and notify the system if leaks occur.	Water Efficiency	PD	$144,000	$7,546	CE	
61	20	10164	West Tawakoni	TX1160012	The replacement of deteriorated lines will reduce water loss	Water Efficiency	PD	$232,000	$232,000	BC	
65	15.5	10201	Mexia	TX1470004	Replacement of broken/malfunctioning water meters with AMR meters	Water Efficiency	PDC	$1,880,000	$1,880,000	CE	
68	14	9973	Harris Co WCID # 36	TX1010239	Replacing distribution system piping to reduce water loss.	Water Efficiency	PD	$263,120	$94,828	BC	
		20						**$16,518,254**	**$9,523,428**		**6**

Rank	Points	PIF #	Entity	PWS ID	Project Description	Category of Green	Phase(s)	Project Cost	GPR	Green Type	Subsidized Green
Construction-Only Projects											
1	359.1	10221 [1]	Robert Lee	TX0410002	AMR meters to address water loss	Water Efficiency	C	$9,775,400	$195,508	BC	
2	287.75	10222 [1]	Bronte	TX0410001	Solar panels and wind turbine at treatment plant	Energy Efficiency	C	$6,698,960	$493,043	CE	
5	165	10223 [1]	Menard	TX1640001	AMR and leak detection	Water Efficiency	C	$5,075,000	$194,373	CE	
6	161.6	10104 [1]	Upper Leon River MWD	TX0470015	Improved water efficiency due to replacing conventional filtration process with membrane filtration process. Improved energy efficiency by replacing low-efficiency medium-voltage pump and motors with low-voltage NEMA-rated premium efficiency pumps and motors.	Energy Efficiency, Water Efficiency	C	$12,201,000	$6,100,500	BC	
53	22	10171 [1]	Eagle Pass	TX1620001	Replacing meters	Water Efficiency	C	$57,758,450	$4,609,124	BC	
63	16	10114 [1]	Valley WSC	TX0630013	Installation of new water lines to eliminate leaks and reduce water loss. The green component includes saving water that is currently lost due to leaking system; saving electrical energy by eliminating pumping of water lost; and replacing piping to eliminate sources of contaminants migrating into water supply.	Energy Efficiency, Water Efficiency	C	$981,000	$981,000	BC	
64	15.5	10117 [1]	DeLeon	TX0470002	Replace existing pipes that are deteriorating and undersized. Replacement of leaking water distribution lines will reduce water loss for the City.	Water Efficiency	C	$1,275,500	$1,275,500	BC	
74	13	10260 [1]	White River MWD	TX0540015	Distribution line replacement and alternative energy installation.	Energy Efficiency, Water Efficiency	C	$35,780,166	$6,576,395	BC	

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79	12.5	10262 [1]	Carbon	TX0670015	Water line replacement to reduce water loss.	Water Efficiency	C	$774,000	$685,377	BC	
82	12.5	10113 [1]	New Deal	TX1520015	Replace the deteriorated 6-inch water main with new 8-inch water line to decrease friction and reduce water loss.	Water Efficiency	C	$1,033,000	$692,007	BC	
86	12.5	10268 [1]	Del Rio	TX2330001	Replacing old and deteriorated pipes	Water Efficiency	C	$43,850,712	$3,964,104	BC	
113	10	10118 [3]	La Joya	TX1080213	Two 1OOKW 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 SCAD A system will combine health monitoring of the proposed new Green Power and AMR equipment with advanced power systems monitoring, physical security, network cyber security.	Energy Efficiency, Water Efficiency	C	$6,469,080	$2,449,841	BC	
123	10	10090 [2]	Brownsville	TX0310001	Leak detection and meter replacement	Water Efficiency	C	$1,811,668	$1,811,668	Both	
125	8.5	10210 [2]	Houston	TX1010013	The project is possibly business case eligible for the replacement of aging water lines which require frequent repairs and maintenance.	Water Efficiency	C	$59,400,000	$59,400,000	BC	
128	6	10195 [2]	Houston	TX1010013	Replace water meters that have exceeded their useful life. Water meters have a certain useful life. When the useful life is exceeded, the meters do not perform their intended function of accurately reading water consumption. The City loses revenues and leaks or high use goes undetected.	Water Efficiency	C	$6,050,000	$6,050,000	BC	
129	6	10200 [2]	Houston	TX1010013	Install automatic meter reading devices to lower personnel and fuel costs and emissions. Reading water meters manually requires a high level of personnel and fuel costs and adds to emissions in the City.	Water Efficiency	C	$1,320,000	$1,320,000	CE	
165	2	10230 [1]	Lake Palo Pinto Area WSC	TX0470001	Installation of energy efficient pumps and motors.	Energy Efficiency	C	$1,734,527	$815,054	BC	
167	2	10220 [1]	Burnet	TX0270001	Replacing old and deteriorated pipes	Water Efficiency	C	$1,265,000	$1,265,000	BC	
199	0	10119 [2]	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.	Water Efficiency	C	$410,000	$410,000	CE	
210	0	10063 [3]	Grand Prairie	TX0570048	AMI Meter Conversion	Water Efficiency	C	$4,000,000	$4,000,000	CE	

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215	0	10185 [2]	San Antonio Water System	TX0150018	Replacing meters	Water Efficiency	C	$4,682,512	$4,150,000	BC	
216	0	10187 [2]	San Antonio Water System	TX0150018	Water main replacement to address water loss.	Water Efficiency	C	$3,490,199	$3,490,199	BC	
Totals		**22**						**$265,836,174**	**$110,928,693**		**0**

Grand Totals		**42**						**$282,354,428**	**$120,452,121**		**6**

Note: Projects listed in priority order that are not represented on the IPL are bypassed in accordance with procedures in this IUP.
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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 info.sos.state.tx.us/pls/pub/readtac$ext.ViewTAC?tac_view=4&ti=31&pt=10&ch=371