Texas Water Development Board

STATE OF TEXAS

Annual Report

Clean Water State Revolving Fund

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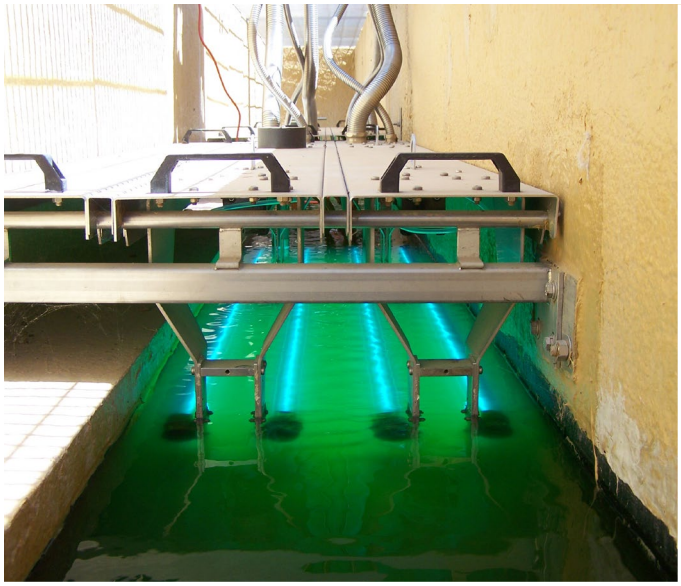

SFY 2016

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

Cover photos:
Top Left: El Paso County – UV disinfection unit in operation.
Top Right: Hornsby Bend Bio Management Plant – New air dome over digester #3.
Bottom Left: Fort Worth – Village Creek pump station.
Bottom Right: Eagle Pass – Rosita Valley Wastewater Treatment Plant clarifiers 1 and 2.

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1 Executive Summary

The purpose of the Texas Clean Water State Revolving Fund (CWSRF) is to provide affordable financing to assist applicants in meeting the wastewater needs of their communities. Funding for eligible applicants comes from a combination of state funds and the federal capitalization grant from the Environmental Protection Agency (EPA). Funding through the CWSRF goes towards addressing needs in the areas of primary, secondary, and advanced treatments, recycled water distribution, new collector sewers, and sewer system rehabilitation as set forth in the Clean Water Act (CWA).

The Texas Water Development Board (TWDB) provides this report to summarize the annual activities, achievements of goals, requirements met and obligations made as set forth in the State Fiscal Year (SFY) 2016 Intended Use Plan (IUP) for the CWSRF program. This report describes the progress made toward short-term and long-term goals, the financial status of the CWSRF, and compliance with federal CWSRF requirements during SFY 2016, which was from September 1, 2015, through August 31, 2016.

The SFY 2016 IUP described the intended uses of the funds available in the CWSRF financial assistance program and detailed how Texas planned to commit available funds. To comply with the federally mandated program requirements of priority ranking, those eligible entities interested in assistance were required to submit a project information form by March 2, 2015, to be added to the Initial Invited Projects List and be included in the first round of invitations for funding. TWDB staff reviewed, scored, and ranked all submissions based on the requirements set forth in TWDB rules and criteria established for SFY 2016. The Initial Invited Projects List was created based upon project ranking and the established criteria.

During this SFY, the TWDB maintained an open IUP throughout the year to enable all interested parties to submit a project information form for inclusion on the Invited Project Lists. Applications from the initial round of invitations were based upon project ranking if the application was submitted prior to the established deadline. Following the initial round of invitations, all eligible projects were invited to apply for assistance and funding was awarded on a first-come, first-served basis. The interest in the CWSRF program for SFY 2016 was evidenced in the receipt of 231 project information forms from eligible applicants for projects totaling over $1.9 billion.

The Federal Fiscal Year (FFY) 2015 Appropriations authorized a $63,756,000 federal capitalization grant to be used for the SFY 2016 IUP. The TWDB's Executive Administrator set the SFY 2016 CWSRF program capacity at

$525,000,000. Applicants for equivalency project funding, those that required compliance with all federal cross-cutter requirements, were able to receive an interest rate subsidy of 155 basis points below market rates. Non-equivalency projects, those that did not need to comply with all of the federal requirements, were able to receive an interest rate subsidy of 120 basis points below market rates.

In addition to the EPA capitalization grant, the Texas CWSRF utilizes additional state funding sources to increase the program capacity. The additional available resources include the required state match of 20% of the grant, principal repayments from previous CWSRF loans, interest and investment earnings, and, as necessary, revenue bonds issued by the TWDB in order to fund project demand in excess of available cash on hand. For SFY 2016, no bond issuance was necessary for the CWSRF program.

During SFY 2016, the TWDB made 34 CWSRF commitments totaling over $251 million. The TWDB also completed implementation of the Water Resources Reform & Development Act of 2014 (WRRDA). Specific details of WRRDA changes implemented during the fiscal year may be found in the SFY 2016 IUP.

The TWDB continues to strive to improve our financial assistance programs in order to ensure applicants have access to the cost savings associated with utilizing these programs so that they may further advance and develop safe wastewater infrastructure for all Texas citizens.

2 Goals and Achievements

The primary goal of the CWA is to restore and maintain the chemical, physical, and biological integrity of the state's waters by preventing the discharge of pollutants. The overall goals of the Texas CWSRF program are to prevent the discharge of pollutants from point and nonpoint sources; identify and provide funding for maintaining and/or bringing publicly owned treatment works into compliance with EPA clean water standards; to support affordable and sustainable wastewater treatment processes; to manage, reduce, and/or treat stormwater; and to maintain the long-term financial health of the program.

The Texas CWSRF program is available to provide financial support to achieve these goals. The TWDB provided effective and efficient administration of the CWSRF program, offering below-market interest rates, long-term financing, and principal forgiveness to assist entities in protecting the water quality of the State of Texas. The following sections detail the TWDB's progress in meeting the short and long-term goals established in the IUP.

Short-Term Goals of the Texas CWSRF Program

Goal 1– *Implement the programmatic changes required by WRRDA.*

All programmatic changes that occurred due to WRRDA have now been implemented and included within the SFY 2016 IUP, certification forms, customer guidance, internal operating procedures, and marketing materials. The main changes were the requirements for Architectural and Engineering procurement, Fiscal Sustainability Plans, and project reviews for Cost and Effectiveness. Additionally, all projects to be funded with the CWSRF, both non-equivalency and equivalency, are required to follow National Environmental Policy Act-like environmental requirements.

Goal 2 *– Encourage the use of green infrastructure and technologies by offering principal forgiveness for green infrastructure, energy efficiency, water efficiency, or environmentally innovative portions of projects.*

During SFY 2016, the TWDB was required by Congress to expend at least 10% of the capitalization grant, or $6,375,600, via a Green Project Reserve to approved green project costs. In order to achieve this goal, the TWDB offered additional subsidy assistance to projects that contained green components equal to or greater than 30% of their total project costs. For more information on projects indentified for Green Project Reserve goals and Green Subsidy amounts, please see Appendix A, Table 1.

Goal 3 – *Offer terms of up to 30 years for planning, acquisition, design, and/or construction according with TWDB determined guidelines and the CWA.*

Of the 34 SFY 2016 CWSRF funding commitments, six projects took advantage of the 30-year terms. In addition, the TWDB currently has an additional two applications for CWSRF funding requesting 30-year terms.

Goal 4 *– Provide financing to communities listed in the IUP that are under enforcement orders to meet the deadlines for compliance with the CWA.*

Of the applications submitted during SFY 2016, seven were mitigating issues identified in enforcement orders.

Goal 5 *– Utilize, if necessary, the strength of the CWSRF to enhance the Drinking Water State Revolving Fund (DWSRF) by cross-collateralizing the programs in accordance with state and federal law.*

During SFY 2015, the TWDB secured approval from the State Legislature during the 84th Legislative Session to cross-collateralize the CWSRF with the DWSRF. The TWDB is currently working on obtaining EPA's approval to cross-collateralize the programs.

Goal 6 *– Apply for the FFY 2015 grant during the first year that it is available as requested by EPA.*

The TWDB applied for the FFY 2015 grant during the first year. The award date of the grant was August 24, 2015.

Goal 7 *– Enter into binding commitments that total 120% of the amount of the grant that will be allocated to projects.*

The TWDB entered into 34 commitments totaling $251,340,037, which equates to 391% of the amount of the capitalization grant.

Goal 8 *– Enhance our current level of outreach on the SRF programs by hosting regional financial assistance workshops and continued use of social media.*

The TWDB hosted 15 Financial Assistance workshops during SFY 2016. Additionally, staff from the agency's regional project development teams participated in various outreach opportunities throughout the state at conferences, regional planning meetings, and one-on-one meetings with individual entities/authorities. The topics discussed during the workshops and outreach opportunities covered all TWDB financial assistance programs, the IUP process, the project information form submission, continued training for the Online Loan Application system, CWSRF federal requirements and program changes, specific project related questions and answers, and general outreach. A map showing workshop locations is included in Appendix A.

The TWDB's outreach team continues to conduct additional customer assistance. The use of social media continues to grow at the TWDB with increasing numbers of followers on Facebook, Twitter, LinkedIn, YouTube, and Instagram. TWDB Board members and staff continually share information on various social media sites.

Long-Term Goals of the Texas CWSRF Program

Goal 1 *– Maintain the fiscal integrity of the CWSRF in perpetuity.*

The fiscal integrity of the fund was monitored quarterly through cash flow and capacity analyses. Efficient and effective use of program resources remained a top priority of the program, especially given the economic pressure of low interest and investment rates. Prepayments are evaluated on a case-by-case basis to determine the best use of the assets to maintain the program for perpetuity. When possible, prepayments were used for new loans, thereby reducing the need for leveraging. At other times, the prepayments were used to call program debt, in line with federal regulations, to maintain high cash flow coverage.

The capability of the CWSRF program to meet future generations' needs is enhanced by the TWDB's AAA credit rating from the three major rating agencies. Staff conducted regular reviews of the credit ratings of the borrowers, their insurers (if any), and the portfolio concentration and makeup, thereby ensuring adequate management of any risks to the program. Interest rates were set at levels below current market rates to promote more affordable projects, yet at a sufficient level necessary to maintain the fiscal integrity of the fund.

Goal 2 *– Employ the resources of the CWSRF in the most effective and efficient manner to prevent the discharge of pollutants into the state's waters, assist communities in maintaining compliance with EPA's clean water standards, and maintain a strong financial assistance program that is responsive to changes in the state's priorities and needs.*

During SFY 2016, the TWDB provided 34 commitments totaling over $251 million for projects that will assist the communities in achieving or maintaining compliance with their discharge permits and EPA's clean water standards. While the program has ample lending capacity to satisfy demand, it has established a priority rating system that directly supports the goals of the CWA. The priority rating system addresses enforcement issues, systems that are nearing their permitted treatment and discharge capacities, projects addressing more stringent standards, the mitigation of water quality issues identified in the Texas Watershed Action Planning Strategy, and other factors that directly improve the state's water quality.

Goal 3 *– Assist borrowers in complying with the requirements of the CWA by meeting the demands for funding eligible projects by providing financial assistance with interest rates below current market levels and with additional subsidization in the form of principal forgiveness.*

The TWDB provided funding commitments during SFY 2016 to all eligible projects that submitted an application for assistance, thereby ensuring those publically owned treatment works within the state achieved or maintained compliance with the CWA. Although the TWDB allotted funds, including additional subsidy, targeting nonpoint source pollution projects, no associated applications were received. Similarly, no projects were submitted for estuary management.

To encourage use of the CWSRF, reductions from market interest rates on financing were provided to recipients in the form of a 155 basis points reduction for equivalency projects and a 120 basis points reduction for non-equivalency projects. The resulting effects were substantial cost

savings for the communities. To provide additional savings to disadvantaged communities and green projects, the TWDB allocated the maximum allowable amount of additional subsidy in the SFY 2016 Intended Use Plan. During SFY 2016, 8 projects received commitments totaling over $66 million that included this additional subsidy to further the objectives of the Clean Water Act.

Goal 4 *– Support the development of Publicly Owned Treatment Works and other systems that employ effective utility management practices to build and maintain the level of financial, managerial, and technical (FMT) capacity necessary to ensure long-term sustainability.*

The TWDB promotes systems that employ effective utility management practices through our priority rating system by awarding points to wastewater systems that have or will create an asset management plan, train their governing bodies and employees on asset management planning, propose projects that address specific targets, goals, or measures in a water conservation and/or drought contingency plan, and/or address specific goals in a system-wide or plant-wide energy assessment, audit, or optimization study.

3 Subsidies to Promote Sustainability

According to EPA guidance, among projects with comparable public health and water quality benefits, priority for construction financing subsidies should be given to communities that could not otherwise obtain financing for the following purposes:

- Projects that are based on a “fix it first” approach that focuses on system upgrade and replacement in existing communities;
- Investigations, studies, or plans that improve the technical, financial, and managerial capacity of the assistance recipient to operate, maintain, and replace financed infrastructure; and
- Preliminary planning, alternatives assessment, and eligible capital projects that reflect the full life cycle costs of infrastructure assets, conservation of natural resources, and alternative approaches to integrate natural or “green” systems into the built environment.

During SFY 2016, the TWDB prioritized the use of additional subsidization for those entities that met EPA’s guidance criteria. Disadvantaged communities were allocated the majority of the available subsidy for system upgrades and replacements. The TWDB made available $14,345,100 of additional subsidy for

qualifying disadvantaged communities. The other components of this guidance were fulfilled in part by awarding additional points in the project ranking criteria for entities implementing effective management that will contribute to sustainable operations. The EPA's sustainability strategy, which included financing alternative approaches that integrate a green component into the existing system, was prioritized through an additional subsidy for green costs. The TWDB made available $4,781,700 of the amount required in additional subsidy for green projects in the form of principal forgiveness. Applicants with proposed project components that qualified as green were eligible for an additional subsidy in the form of principal forgiveness, described in further detail in Section 4, Green Project Reserve.

Details of the subsidies provided are shown in Appendix A, Table 1.

4 Green Project Reserve

The Green Project Reserve, or GPR, required that an amount equivalent to a specified portion of the capitalization grant allotment must be offered to projects that address green infrastructure, water efficiency, energy efficiency, or other environmentally innovative activities. The EPA defined innovative environmental activities as those that demonstrated new or innovative approaches to prevent or remove water pollution in an economically and environmentally sustainable way.

The TWDB designated projects as green in the IUP based upon designation by the entity and a review of the initial information submitted demonstrating their green components. The TWDB developed a green project information worksheet in order to facilitate a uniform approach to providing the information proving eligibility. The form also counted as a business case. All eligible projects considered as having green components received an invitation to apply for financial assistance.

In order to maximize our efforts to fund green projects, the TWDB's GPR solicitation plan consisted of the following:

- **Subsidy** – To encourage funding of green projects, the TWDB allocated 7.5% of the capitalization grant, or $4,781,700, as a targeted subsidy for green project costs. Eligible green projects were offered a subsidy in the form of loan forgiveness for 15% of the green project costs, provided the green costs were at least 30% of the total project costs.
- **Priority** – Green projects were prioritized throughout the ranking process. Projects eligible for a green subsidy were listed in the highest priority group in the ranking process. Further, projects that had green component

costs were given preference in the ranking over projects without green component costs.

- **Bypass** – The IUP invitation process allowed the TWDB to bypass higher ranked projects in favor of projects containing green component costs. If projects with green components were invited to apply but subsequently failed to proceed, the TWDB offered the funding to other qualified Green Project Reserve projects on the priority list.
- **Invitations Exceeded the Green Project Reserve** – For the SFY 2016 IUP, the TWDB extended invitations to all eligible green projects within the green categories: energy efficiency, water efficiency, green infrastructure, and environmentally innovative. The TWDB committed to fund $32,016,760 in green project costs during SFY 2016.

Details of the Green Project Reserve are shown in Appendix A, Table 1.

5 Income from Program Fees

The TWDB assesses fees for the purpose of recovering administrative costs associated with the CWSRF. These fees are placed in a separate account held outside of the program funds. The fees are an assessment of 1.85% of the portion of the CWSRF financial assistance that is to be repaid and is assessed in full at closing.

For SFY 2016, the TWDB collected $3,661,128 in CWSRF administrative fees. Fees are budgeted as a source of revenue for financing CWSRF administration expenses. During SFY 2016, $127,753 was transferred from the fee account to the general fund for operations.

6 Method of Cash Draw

Of the available cash draw methods, TWDB utilizes the disbursement of the full amount of State Match first, then draws 100% Federal Funds from the capitalization grant.

The TWDB has demonstrated that the required state match has been deposited and utilized prior to drawing 100% federal funds.

In accordance with statute and the FFY 2015 Capitalization Grant, during SFY 2015, the TWDB deposited $12,835,000 into the CWSRF to fully meet its requirement to match an amount at least equal to 20 percent of the amount awarded in the capitalization grant. This match included $83,800 in excess of the required state match, to be applied toward the FFY 2016 Capitalization Grant.

The remaining state match for the FFY 2016 Captialization Grant, $12,129,800, was deposited during SFY 2016.

7 Timely and Expeditious Use of Funds

The beginning capitalization grant balance from older federal grants as of September 1, 2015, was $3,478,649.95. This amount only represented the administration allotment for the FFY 2014 capitalization grant. With the exception of $697,828.22, the remainder of the administration allotment was utilized to provide construction funding for projects. For the FFY 2015 capitalization grant of $63,756,000, the available construction funds of $61,205,760 were drawn in full by February 2016. Details of fund balances are shown in Appendix A, Table 2.

As of August 31, 2016, there was no outstanding capitalization grant balance. The TWDB closed on 18 projects totaling $221,476,744. Additionally, 15 projects totaling $199,700,476 began work while 12 projects totaling $196,612,000 were completed. The TWDB has ensured that recipients of financial assistance make sufficient progress so as to reasonably ensure completion of their project within the project period.

8 Program Initiatives

Additional Subsidization

The additional subsidization associated with the FFY 2015 grant that was allocated to closed projects and commitments totaled $19,126,800 as of August 31, 2016. Details of the additional subsidization are shown in Appendix A, Table 1.

Disadvantaged Communities Funding

In SFY 2016, the TWDB closed on 6 disadvantaged projects totaling $29,040,044. A disadvantaged community is a community that meets the CWSRF's Affordability Criteria based upon income, unemployment rates, and population trends. For details on the CWSRF Affordability Criteria, please see the SFY 2016 IUP, Appendix D, Affordability Criteria to Determine Disadvantaged Community Eligibility.

Water Resources Reform and Development Act of 2014 Implementation

The Water Resources Reform and Development Act (WRRDA) changes were detailed in Appendix M of the SFY 2016 IUP. During SFY 2016, the TWDB fully implemented the WRRDA changes, including finalizing certification forms, customer guidance, internal operating procedures, and marketing materials. The IUP's appendix of federal requirements, Appendix E, Federal Requirements and Assurances, was also updated to incorporate the WRRDA requirements.

Nonpoint Source Agency Coordination and Projects Funded

The TWDB met quarterly with two other state agencies that offer financial assistance for nonpoint source (NPS) projects under Section 319 of the Clean Water Act: The Texas Commission on Environmental Quality (TCEQ) and the Texas State Soil and Water Conservation Board (TSSWCB). The TCEQ and TSSWCB provided input on NPS funding needs from information gathered during the development of the Integrated Water Quality Report, Total Maximum Daily Loads, and Watershed Protection Plans. The TWDB used this information in the rating process in an effort to focus funding priorities on projects with the greatest environmental benefits.

For the SFY 2016 IUP, the TWDB applied separate rating criteria for NPS and estuary management projects. The SFY 2016 IUP reserved 7% of the total funds available, or $36,750,000, for NPS and estuary management projects. Nine eligible applicants, with project costs totaling $97,336,175, were rated using the NPS criteria, were listed under the NPS category in the IUP, and were invited to apply for financing. As of August 31, 2016, the TWDB did not receive any applications for funding from the NPS list of projects and did not receive any interest for estuary management financial assistance.

Application Process

The TWDB continued its invitation process whereby projects are invited in excess of the funding capacity available. The process operated such that limited time was given to applicants to respond to their invitation. This allowed those with projects further down the Project Priority List earlier access to program funds.

The first round of invitations included projects whose total costs' exceeded the amount of the capitalization grant, as evidenced by the Initial Invited Projects List within the SFY 2016 IUP. Applications received by the initial deadline were considered in the priority order listed on the Project Priority List. Thereafter, applications received were allocated funding on a first-come, first-served basis.

Additionally, the TWDB utilized an open IUP to allow for the addition of new projects at any time throughout the year. The open IUP encouraged entities with projects that were not on the initial list to apply at any time during the year. Once their project was added to the SFY 2016 IUP Project Priority List, invitations were extended for them to apply for funding.

Bypass of Projects on the Project Priority List

The SFY 2016 IUP, in accordance with CWSRF regulations, included a process to bypass higher ranked projects to ensure that funds available were utilized in a timely manner, and that statutory and capitalization grant requirements were met. Following the application process listed above, higher ranked projects that did not submit an application for financial assistance were bypassed by lower ranked projects that were ready to apply for financial assistance.

American Iron and Steel

To implement the requirements for American Iron and Steel, the TWDB included: (1) advising all CWSRF applicants of the need to comply with the American Iron and Steel requirements during pre-application meetings, via guidance documents, press releases and the agency's website; (2) including a condition in TWDB resolutions requiring recipients of CWSRF financial assistance to comply with the American Iron and Steel requirements; (3) ensuring that all financial assistance agreements contain a clause mandating compliance with American Iron and Steel requirements; and (4) providing recipients with de minimis logs and certification forms.

9 Performance Evaluation Review Follow-Up

The CWSRF requires that states comply with Title VI, Section 606(e) of the Clean Water Act and 40 CFR 35.3165(c). The EPA conducts an annual Performance Evaluation Review (PER) to evaluate compliance with the program and grant requirements. The SFY 2015 PER onsite review was conducted February 22 – 25, 2016. The review was based upon the TWDB SFY 2015 annual activity. For the review, there were interactive onsite discussions, file reviews, completion of the standardized national EPA checklists of program evaluation questions, and an analysis of the EPA Office of Chief Financial Officer's selected cash transactions. The PER was finalized on June 30, 2016. Overall, EPA found that TWDB is in compliance with Title VI, Section 606(e) of the CWA, 40 CFR 35.3165(c), and the capitalization grant conditions. There were no outstanding PER items as of August 31, 2016.

10 Compliance with FFY 2015 CWSRF Grant Agreement Conditions

The TWDB has complied with all administrative and programmatic conditions in the FFY 2015 CWSRF Capitalization Grant Assistance Agreement (Agreement). The Agreement was adhered to by the TWDB in an appropriate and expeditious manner in compliance with state and federal law. The TWDB understands the terms and conditions as set forth in the Agreement. Any proposed changes or necessary corrections were provided to EPA for appropriate Agreement Amendments.

Appendix A: CWSRF SFY 2016 Tables

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Table 1				
Green Project Reserve and Additional Subsidization - 2015 IUP / 2014 Grant				
IUP and/or Grant Targets	GPR:	$6,408,400	Add Sub Minimum	$ 3,487,301
			Add Sub Maximum	$ 5,230,952
Recipient	Amount	Green	Green Subsidy	Disadvantaged
Angelina & Neches RA	$ 4,996,250	$ -	$ -	$ 3,176,250
Euless	2,755,300	2,755,300	375,300	-
Kerr County	601,000	-	-	416,000
Sequoia ID	2,057,442	-	-	677,442
Total Closed	**$ 10,409,992**	**$ 2,755,300**	**$ 375,300**	**$ 4,269,692**
Cameron	$ 1,790	$ -	$ -	$ 1,790
Wimberley	5,498,005	1,620,030	343,005	-
Total Unclosed	**$ 5,499,795**	**$ 1,620,030**	**$ 343,005**	**$ 1,790**
Grand Totals	**$ 15,909,787**	**$ 4,375,330**	**$ 718,305**	**$ 4,271,482**
			Total Additional Subsidy:	**$ 4,989,787**

Green Project Reserve and Additional Subsidization - 2016 IUP / 2015 Grant				
IUP and/or Grant Targets	GPR:	$6,375,600	Add Sub Minimum	$ -
			Add Sub Maximum	$ 19,126,800
Recipient	Amount	Green	Green Subsidy	Disadvantaged
Arlington	$ 2,439,700	$ 2,439,700	$ 359,700	$ -
Greater Texoma Utility Authority	234,219	-	-	69,219
Kerr County	16,810,273	-	-	11,700,273
North Fort Bend Water Authority	11,052,000	11,052,000	1,632,000	-
Vinton	2,710,860	-	-	1,885,860
Total Closed	**$ 33,247,052**	**$ 13,491,700**	**$ 1,991,700**	**$ 13,655,352**
Cameron	$ 12,687,958	$ -	$ -	$ 689,748
McAllen	8,220,421	8,220,421	1,239,567	-
Weatherford	12,770,433	10,304,639	1,550,433	-
Total Unclosed	**$ 33,678,812**	**$ 18,525,060**	**$ 2,790,000**	**$ 689,748**
Grand Totals	**$ 66,925,864**	**$ 32,016,760**	**$ 4,781,700**	**$ 14,345,100**
			Total Additional Subsidy:	**$ 19,126,800**

GPR = Green Project Reserve
Add Sub = Additional Subsidization in the form of principal forgiveness

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Table 2 – Capitalization Grant Draws			
	Beginning Balance	Expended	Balance - 08/31/2016
CS-48000214 FY 2014			
Construction	$ 2,780,821.73	$ 2,780,821.73	$ -
Administration	697,828.22	697,828.22	-
Banked Administration	-	-	-
	$ 3,478,649.95	**$ 3,478,649.95**	**$ -**
CS-48000215 FY 2015			
Construction	$ 61,205,760.00	$ 61,205,760.00	$ -
Administration	2,550,240.00	2,550,240.00	-
	$ 63,756,000.00	**$ 63,756,000.00**	**$ -**
Grand Totals	**$ 67,234,649.95**	**$ 67,234,649.95**	**$ -**

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Table 3 – Grants and Match Funds					
IUP Year	Grant Award #	SRF Grant	Required State Match	State Match Provided	In-Kind
1988					
1989	N-480001-88	$ 105,190,250	$ 21,038,050	$ 21,037,500	$ -
1990	CS-480001-89	82,691,538	16,538,308	32,452,673	-
1990	CS-480001-90	72,843,855	14,568,771	28,760,000	-
1991	CS-480001-90	1,466,749	293,350	-	-
1991	CS480001-91	96,302,005	19,260,401	-	-
1991	CS480001-91	1,900,000	380,000	-	-
1992	CS480001-92	92,254,341	18,450,868	-	-
1993	CS480001-93	98,743,594	19,748,719	10,000,000	-
1994	CS480001-94	57,750,000	11,550,000	18,030,000	-
1995	CS480001-95	56,296,944	11,259,389	20,552,574	-
1996	CS480001-96	97,216,124	19,443,225	12,000,000	-
1997	CS480001-97	28,485,864	5,697,173	17,000,000	-
1998	CS480001-98	61,546,617	12,309,323	25,000,000	-
1999	CS480001-99	61,551,864	12,310,373	-	-
2000	CS-48000201	63,343,000	12,668,600	25,000,000	-
2001	CS-48000201	60,797,781	12,159,556	-	-
2002	CS-48000202	60,933,213	12,186,643	13,000,000	-
2003	CS-48000203	60,537,213	12,107,443	13,000,000	-
2004	CS-48000204	61,080,444	12,216,089	12,500,000	-
2005	CS-48000205	49,252,104	9,850,421	10,000,000	-
2006	CS-48000206	40,024,512	8,004,902	4,000,000	-
2007	CS-48000208	61,564,429	12,312,886	11,988,141	168,000
2008	CS-48000209	31,103,000	6,220,600	6,240,247	96,875
2009	CS-48000210	31,101,800	6,220,368	6,220,368	150,000
2010	No Grant	-	-	-	-
2011	CS-48000210	93,126,000	18,625,200	18,625,200	-
2012	CS-48000211	67,492,000	13,498,400	13,498,400	400,000
-	Toward Prior Grants	-	-	13,953	-
2013	CS-48000212	64,597,000	12,919,400	12,919,400	-
2014	CS-48000213	61,021,000	12,204,200	12,204,200	492,000
2014	CS-48000213	100,000,000	-	-	-
2015	CS-48000214	64,084,000	12,816,800	12,816,800	-
2016	CS-48000215	63,756,000	12,751,200	12,835,000	-
2017	CS-48000216			12,129,800	-
Totals		**$ 1,948,053,241**	**$ 369,610,656**	**$ 381,824,256**	**$ 1,306,875**

IUP Year	Grant Award #	SRF Grant	Required State Match	State Match Provided	In-Kind
ARRA	2W-96692401	179,121,900	-	-	-
Grand Totals		**$ 2,127,175,141**	**$ 369,610,656**	**$ 381,824,256**	**$ 1,306,875**

Note: State Match is provided from GO Bonds.

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Table 4 – Binding Commitments Summary

IUP	Recipient	Project ID	Commitment #	Type	Commitment Date	Status	Closing Date	Amount	Required Binding Commitments	Total Commitments per Quarter	% of Required
(1988-2015)	Previous SFY's							$ 7,732,551,976	$ 2,323,228,764	$ 7,732,551,976	332.84%
2015	Glen Rose	10434	L1000470	Non-EQ	10/28/2015	Commitment		1,750,000	2,394,661,279	7,734,301,976	322.98%
2015	Pearland	73716	L1000467	Non-EQ	12/01/2015	Active	08/04/2016	11,100,000	2,396,113,742	7,895,112,391	329.50%
2015	Pearland	73716	L1000551	Non-EQ	12/01/2015	Active	08/04/2016	50,100,000			
2015	Kerr County	10366	L1000434	EQ	12/14/2015	Active	06/21/2016	185,000			
2016	Kerr County	10366	L1000484	EQ	12/14/2015	Active	06/21/2016	5,110,000			
2015	Kerr County	10366	LF1000485	EQ	12/14/2015	Active	06/21/2016	416,000			
2016	Kerr County	10366	LF1000495	EQ	12/14/2015	Active	06/21/2016	11,700,273			
2015	Liberty	73713	L1000443	Non-EQ	12/14/2015	Active	04/05/2016	900,000			
2015	Sequoia ID	73717	L1000466	EQ	01/19/2016	Active	05/26/2016	1,380,000			
2015	Sequoia ID	73717	LF1000497	EQ	01/19/2016	Active	05/26/2016	677,442			
2016	Arlington	73723	L1000491	EQ	02/18/2016	Active	05/26/2016	2,080,000			
2016	Arlington	73723	LF1000498	EQ	02/18/2016	Active	05/26/2016	359,700			
2016	Houston	73719	L1000508	EQ	02/18/2016	Commitment		65,750,000			
2016	North Fort Bend WA	73721	L1000510	EQ	02/18/2016	Active	08/25/2016	9,420,000			
2016	North Fort Bend WA	73721	LF1000509	EQ	02/18/2016	Active	08/25/2016	1,632,000			
2016	Vinton	73704	L1000493	EQ	03/03/2016	Active	06/28/2016	825,000	2,397,566,204	7,934,447,013	330.94%
2016	Vinton	73704	LF1000503	EQ	03/03/2016	Active	06/28/2016	1,885,860			
2016	Greater Texoma UA	73724	L1000506	EQ	03/21/2016	Active	04/28/2016	165,000			
2016	Greater Texoma UA	73724	LF1000520	EQ	03/21/2016	Active	04/28/2016	69,219			
2016	Sulphur Springs	73725	L1000505	Non-EQ	04/11/2016	Commitment		18,200,000			
2015	Wimberley	73653	L1000394	EQ	04/11/2016	Commitment		5,255,000			
2015	Wimberley	73653	LF1000502	EQ	04/11/2016	Commitment		243,005			
2016	Cameron	73727	L1000516	EQ	05/05/2016	Active		12,000,000			
2016	Cameron	73727	LF1000523	EQ	05/05/2016	Active		691,538			
2016	Memorial Point UD	73728	L1000533	Non-EQ	06/01/2016	Active	08/25/2016	2,045,000	2,397,566,204	7,983,892,013	333.00%
2016	Weatherford	73726	L1000511	Non-EQ	06/01/2016	Commitment		11,220,000			
2016	Weatherford	73726	LF1000522	Non-EQ	06/01/2016	Commitment		1,550,433			
2016	Jefferson	73729	L1000526	Non-EQ	06/14/2016	Active	07/25/2016	1,630,000			
2016	Laguna Madre WD	73730	L1000539	Non-EQ	06/14/2016	Commitment		5,815,000			
2016	McAllen	73731	L1000529	EQ	06/14/2016	Commitment		7,110,000			
2016	McAllen	73731	LF1000540	EQ	06/14/2016	Commitment		1,239,567			
2016	Eldorado	73625	L1000538	EQ	07/07/2016	Active		575,000			
2016	Bonham	73735	L1000542	EQ	08/11/2016	Commitment		3,900,000			
2016	San Antonio Water System	73732	L1000546	Non-EQ	08/25/2016	Commitment		14,360,000			
SFY Totals			**34**					**$ 251,340,037**			

Note: Binding commitments represent a Board approval to award funding to a proposed project through a financial assistance agreement.

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Table 5 - Federal Funds Drawn	
SFY	**Amount**
1989	$ 105,187,501
1990	123,845,098
1991	137,906,475
1992	173,641,705
1993	55,626,699
1994	64,406,219
1995	52,785,020
1996	56,951,258
1997	36,514,636
1998	46,924,306
1999	77,571,747
2000	114,761,727
2001	17,818,655
2002	23,134,356
2003	6,032,064
2004	5,389,732
2005	9,408,387
2006	15,495,249
2007	169,701,730
2008	63,249,011
2009	18,761,712
2010	21,024,776
2011	21,786,661
2012	172,714,061
2013	61,601,034
2014	159,777,092
2015	67,494,804
2016	67,234,650
Total	**$ 1,946,746,365**

ARRA Funds - *Completed SFY 2013*	
SFY	**Amount**
2010	$ 47,060,500
2011	96,433,621
2012	29,360,745
2013	6,267,034
Total	**$ 179,121,900**

Base Total	$ 1,946,746,365
ARRA Total	179,121,900
Grand Total	**$ 2,125,868,265**

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Table 6 – Grant Payments by Quarter					
	SFY 1988 - SFY 2015	SFY 2016			
	Total	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter
GRANT PAYMENTS					
All Previous Grants (including ARRA)	$ 2,063,419,141	$ -	$ -	$ -	$ -
CS-48000215		63,756,000	-	-	-
QUARTERLY TOTAL		**$ 63,756,000**	**$ -**	**$ -**	**$ -**
CUMULATIVE EPA PAYMENTS	**$ 2,063,419,141**	**$ 2,127,175,141**	**$ 2,127,175,141**	**$ 2,127,175,141**	**$ 2,127,175,141**
REQUIRED BINDING COMMITMENTS	**SFY 1988 - SFY 2016**	**SFY 2017**			
		1st Quarter	**2nd Quarter**	**3rd Quarter**	**4th Quarter**
REQUIRED BINDING COMMITMENTS (Within One Year)	$ 2,476,102,969	$ 2,552,610,169	$ 2,552,610,169	$ 2,552,610,169	$ 2,552,610,169
LESS Administration	78,536,766	81,087,006	81,087,006	81,087,006	81,087,006
REQUIRED BINDING COMMITMENTS - Amounts (Excluding Administration) Within One Year	**$ 2,397,566,204**	**$ 2,471,523,164**	**$ 2,471,523,164**	**$ 2,471,523,164**	**$ 2,471,523,164**

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Table 7 - Administrative Costs						
	Federal Funds					Total
SFY	4% Administration	Banked Administration	Other	Total Federal Funds	State Funds	Administration Expended
1991	$ 2,212,581	$ -	$ -	$ 2,212,581	$ -	$ 2,212,581
1992	1,806,072	-	1,500,674	3,306,746	-	3,306,746
1993	-	-	4,259,370	4,259,370	-	4,259,370
1994	-	-	4,578,753	4,578,753	-	4,578,753
1995	-	-	5,077,507	5,077,507	-	5,077,507
1996	-	-	4,069,387	4,069,387	700,000	4,769,387
1997	-	-	-	-	5,166,713	5,166,713
1998	-	-	-	-	5,157,083	5,157,083
1999	-	-	-	-	5,175,910	5,175,910
2000	-	-	-	-	5,035,877	5,035,877
2001	-	-	-	-	4,795,878	4,795,878
2002	-	-	-	-	5,026,804	5,026,804
2003	-	-	-	-	4,957,912	4,957,912
2004	-	-	-	-	4,513,673	4,513,673
2005	-	-	-	-	4,882,643	4,882,643
2006	-	-	-	-	5,366,376	5,366,376
2007	2,443,218	202,727	-	2,645,945	2,026,297	4,672,242
2008	1,600,980	2,761,882	-	4,362,862	181,452	4,544,314
2009	2,294,578	2,866,919	-	5,161,497	-	5,161,497
2010	2,485,401	3,240,999	-	5,726,400	-	5,726,400
2011	3,725,040	1,633,184	-	5,358,224	-	5,358,224
2012	1,734,298	1,664,673	-	3,398,971	-	3,398,971
2013	949,382	1,140,784	-	2,090,166	-	2,090,166
2014	2,583,880	1,258,344	-	3,842,224	-	3,842,224
2015	-	2,914,528	-	2,914,528	-	2,914,528
2016	3,248,068	-	-	3,248,068	-	3,248,068
Totals	**$ 25,083,498**	**$ 17,684,040**	**$ 19,485,691**	**$ 62,253,230**	**$ 52,986,618**	**$ 115,239,848**
ARRA Funds						
2010	$ 2,222,875	$ -	$ -	$ 2,222,875	$ -	$ 2,222,875
2011	1,153,259	-	-	1,153,259	-	1,153,259
2012	1,632,755	-	-	1,632,755	-	1,632,755
2013	2,155,987	-	-	2,155,987	-	2,155,987
Totals	**$ 7,164,876**	**$ -**	**$ -**	**$ 7,164,876**	**$ -**	**$ 7,164,876**
Base	$ 25,083,498	$ 17,684,040	$ 19,485,691	$ 62,253,230	$ 52,986,618	$ 115,239,848
ARRA	7,164,876	-	-	7,164,876	-	7,164,876
Grand Totals	**$ 32,248,374**	**$ 17,684,040**	**$ 19,485,691**	**$ 69,418,106**	**$ 52,986,618**	**$ 122,404,724**

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Table 8 – FFY 2016 DBE Utilization						
		MBE Actual			WBE Actual	
Total Procurements	MBE Goals	Dollar Value	% of Procurement	WBE Goals	Dollar Value	% of Procurement
$ 118,035,324.00		$ 19,966,076.13	16.92%		$ 12,548,440.91	10.63%
Construction	12.94%	15,028,837.62	12.73%	8.72%	8,031,171.65	6.80%
Supplies	9.68%	2,381,715.19	2.02%	9.34%	1,012,684.32	0.86%
Equipment	7.12%	7,945.00	0.01%	5.39%	99,200.00	0.08%
Services	10.84%	2,547,578.32	2.16%	5.72%	3,405,384.94	2.89%
			Overall DBE Procurements		**27.55%**	

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Table 9 – Sources and Uses of Funds (Cash Basis)

Cash Available:	**$ 567,883,075.09**
SOURCES:	
Federal Grants Drawn	$ 67,234,649.00
State Match Deposited	12,129,800.00
Principal Repayments from Loans	228,773,800.00
Interest Repayments from Loans	67,083,076.51
Investment Earnings on Funds	2,092,189.56
Refunding Bond Proceeds Used to Pay Debt	-
TOTAL SOURCES:	**$ 377,313,515.07**
USES:	
Administration	
Administration Drawn/Expended	$ 3,248,068.22
Total Administration:	**$ 3,248,068.22**
Projects Funded	
Funds Disbursed	$ 217,815,615.00
Total Projects Funded:	**$ 217,815,615.00**
Debt Service	
Revenue Bonds - Principal Paid	$ -
Senior Lien	-
Subordinate - Variable Rate	-
Subordinate - Fixed Rate	60,180,000.00
Match General Obligation Bonds - Principal Paid	12,407,319.01
Interest Paid	39,858,554.42
Total Debt Service:	**$ 112,445,873.43**
TOTAL USES:	**$ 333,509,556.65**
NET SOURCES (USES):	**$ 43,803,958.42**
Cash - Ending Balance (8/31/2016)	**$ 611,687,033.51**

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

Cash Flow Coverage Model

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TEXAS WATER DEVELOPMENT BOARD
CLEAN WATER STATE REVOLVING FUND
PROJECTED ANNUAL CASH FLOW COVERAGE
AS OF AUGUST 31, 2016

Operational Minimum DSC: 1.10
Lowest Total DSC:

Fiscal Year	Funds On Hand Restricted To Debt Service & Prior Year Balance	Loan Receipts 9/1 - 5/31 (2)	Loan Receipts & Investment Projections (3)	Total Existing Debt Service (4)	Bond Debt Service Coverage (5)	Total Existing Match Debt Debt Service (4)	Total Debt Service Coverage (5)	Total Existing Debt Service Requirements (4)	Balance	Loan Receipts 6/1 - 8/31	Net Balance After Debt Service	Projected Fee Income (6)	Projected Operating Expenses
2017 (1)	$89,487,321	$110,486,552	1,250,553	$54,061,088	3.72	$19,479,478	2.74	$73,540,565	$127,683,860	$40,677,061	$168,360,921	$4,271,146	
2018	168,360,921	112,888,946	-	74,899,938	3.76	19,350,905	2.98	94,250,843	186,999,024	58,585,861	245,584,885	4,271,146	-
2019	245,584,885	113,372,723	479,352	49,666,438	7.24	16,647,898	5.42	66,314,335	293,122,625	58,196,769	351,319,394	4,271,146	-
2020	351,319,394	113,638,496	21,176,020	55,890,138	8.70	15,688,998	6.79	71,579,135	414,554,775	59,534,944	474,089,719	4,271,146	-
2021	474,089,719	112,949,409	21,176,020	56,211,138	10.82	15,668,528	8.46	71,879,665	536,335,483	64,724,988	601,060,471	4,271,146	-
2022	601,060,471	112,718,032	21,176,020	61,994,800	11.86	15,475,662	9.49	77,470,462	657,484,061	65,596,758	723,080,819	4,271,146	-
2023	723,080,819	111,322,343	21,176,020	62,638,988	13.66	13,303,731	11.27	75,942,719	779,636,463	65,521,864	845,158,327	4,271,146	-
2024	845,158,327	110,176,245	21,176,020	66,524,088	14.68	13,079,264	12.27	79,603,352	896,907,240	70,035,558	966,942,798	4,271,146	-
2025	966,942,798	108,725,624	21,176,020	70,670,900	15.52	11,387,145	13.37	82,058,045	1,014,786,397	78,283,861	1,093,070,259	4,271,146	-
2026	1,093,070,259	106,219,208	21,176,020	68,238,438	17.89	11,416,526	15.32	79,654,964	1,140,810,523	78,678,321	1,219,488,843	4,271,146	-
2027	1,219,488,843	103,454,314	21,176,020	78,379,650	17.15	9,032,640	15.38	87,412,290	1,256,706,887	81,265,349	1,337,972,236	4,271,146	-
2028	1,337,972,236	95,383,658	21,176,020	60,949,438	23.86	7,282,116	21.32	68,231,553	1,386,300,360	76,969,090	1,463,269,450	4,271,146	-
2029	1,463,269,450	87,334,471	21,176,020	64,343,938	24.43	7,286,527	21.94	71,630,465	1,500,149,477	72,020,723	1,572,170,200	4,271,146	-
2030	1,572,170,200	81,483,768	21,176,020	18,116,250	92.45	6,972,747	66.76	25,088,997	1,649,740,992	74,008,087	1,723,749,078	4,271,146	-
2031	1,723,749,078	75,214,068	21,176,020	7,201,250	252.75	4,747,359	152.33	11,948,609	1,808,190,557	73,215,215	1,881,405,772	4,271,146	-
2032	1,881,405,772	70,979,409	21,176,020	3,151,750	626.18	2,529,809	347.36	5,681,559	1,967,879,642	71,420,317	2,039,299,959	4,271,146	-
2033	2,039,299,959	65,056,477	21,176,020	3,154,750	673.76	1,559,309	450.89	4,714,059	2,120,818,397	21,847,717	2,142,666,114	4,271,146	-
2034	2,142,666,114	63,520,815	21,176,020	3,157,000	705.53	874,957	552.43	4,031,957	2,223,330,992	15,364,681	2,238,695,673	4,271,146	-
2035	2,238,695,673	62,463,032	21,176,020	3,148,250	737.66	-	737.66	3,148,250	2,319,186,475	7,781,130	2,326,967,605	4,271,146	-
2036	2,326,967,605	59,927,048	21,176,020	3,153,750	763.56	-	763.56	3,153,750	2,404,916,923	7,193,258	2,412,110,181	4,271,146	-
2037	2,412,110,181	58,461,940	21,176,020	3,147,500	791.66	-	791.66	3,147,500	2,488,600,641	5,678,219	2,494,278,860	4,271,146	-
2038	2,494,278,860	58,251,512	21,176,020	3,144,750	818.41	-	818.41	3,144,750	2,570,561,641	4,232,256	2,574,793,897	4,271,146	-
2039	2,574,793,897	48,275,336	21,176,020	-		-		-	2,644,245,253	4,138,066	2,648,383,319	4,271,146	-
2040	2,648,383,319	41,119,359	16,240,277	-		-		-	2,705,742,956	2,479,089	2,708,222,044	4,271,146	-
2041	2,708,222,044	36,284,741	16,240,277	-		-		-	2,760,747,062	2,479,177	2,763,226,239	4,271,146	-
2042	2,763,226,239	29,446,723	16,240,277	-		-		-	2,808,913,239	1,934,504	2,810,847,743	4,271,146	-
2043	2,810,847,743	24,683,123	16,240,277	-		-		-	2,851,771,143	976,556	2,852,747,700	4,271,146	-
2044	2,852,747,700	17,160,603	16,240,277	-		-		-	2,886,148,580	948,390	2,887,096,970	4,271,146	-
2045	2,887,096,970	11,645,249	16,240,277	-		-		-	2,914,982,497	813,009	2,915,795,506	4,271,146	-
2046	2,915,795,506	5,177,784	16,240,277	-		-		-	2,937,213,567	33,282	2,937,246,849	4,271,146	-
2047	2,937,246,849	116,305	16,240,277	-		-		-	2,953,603,432	-	2,953,603,432	4,271,146	-
2048	2,953,603,432	-	16,240,277	-		-		-	2,969,843,709	-	2,969,843,709	4,271,146	-
2049	2,969,843,709	-	16,240,277	-		-		-	2,986,083,987	-	2,986,083,987	-	-
2050	2,986,083,987	-	-	-		-		-	2,986,083,987	-		-	-
2051	-	-	-	-		-		-	-	-		-	-
2052	-	-	-	-		-		-	-	-		-	-
		$2,207,937,312	$587,653,080	$871,844,225		$191,783,598		$1,063,627,823		$1,164,634,098			

(1) The Texas Water Development Board's fiscal year runs from 9/1 to 8/31.
(2) Represents loan receipts received from September 1st through May 31st to be used for debt service.
(3) Represents the total income available from loan receipt and investment projections based on current fund balances.
(4) Represents current debt service requirements.
(5) Total revenue to debt ratio. Total revenue includes beginning fund balances, actual loan receipts received from September 1st thru May 31st, and projected loan receipt and investment projections.
(6) Projected fee income is derived from fees charged to borrowers to cover the administrative costs of the program. The fees in all years are based upon the assumption that $235,143,906 in principal amount of loans are made per year with charges of 1.85% of the loan amount. Fees are collected outside of the State Revolving Fund based upon state law. Borrowers are provided an additional reduction in loan rates to offset the charges. This is reflected in the cash flow loan rate assumptions.

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TEXAS WATER DEVELOPMENT BOARD
CLEAN WATER STATE REVOLVING FUND
PROJECTED SOURCES OF REVENUES
AS OF AUGUST 31, 2016

Income to be Used Within the Same Fiscal Year

Fiscal Year	Loan Receipts 9/1 - 5/31 (2)	Projected Loan Receipts (3)	Projected Investment Income (4)	Total Projected Income to Pay Debt Service	Loan Receipts From 6/1 - 8/31 (2)
2017 (1)	110,486,552		$1,250,553	$111,737,104	$40,677,061
2018	112,888,946			112,888,946	$58,585,861
2019	113,372,723	$479,352		113,852,075	$58,196,769
2020	113,638,496	$21,176,020		134,814,516	$59,534,944
2021	112,949,409	21,176,020		134,125,429	$64,724,988
2022	112,718,032	21,176,020		133,894,052	$65,596,758
2023	111,322,343	21,176,020		132,498,363	$65,521,864
2024	110,176,245	21,176,020		131,352,265	$70,035,558
2025	108,725,624	21,176,020		129,901,644	$78,283,861
2026	106,219,208	21,176,020		127,395,228	$78,678,321
2027	103,454,314	21,176,020		124,630,334	$81,265,349
2028	95,383,658	21,176,020		116,559,678	$76,969,090
2029	87,334,471	21,176,020		108,510,491	$72,020,723
2030	81,483,768	21,176,020		102,659,788	$74,008,087
2031	75,214,068	21,176,020		96,390,088	$73,215,215
2032	70,979,409	21,176,020		92,155,429	$71,420,317
2033	65,056,477	21,176,020		86,232,497	$21,847,717
2034	63,520,815	21,176,020		84,696,835	$15,364,681
2035	62,463,032	21,176,020		83,639,052	$7,781,130
2036	59,927,048	21,176,020		81,103,068	$7,193,258
2037	58,461,940	21,176,020		79,637,960	$5,678,219
2038	58,251,512	21,176,020		79,427,532	$4,232,256
2039	48,275,336	21,176,020		69,451,356	$4,138,066
2040	41,119,359	16,240,277		57,359,636	$2,479,089
2041	36,284,741	16,240,277		52,525,018	$2,479,177
2042	29,446,723	16,240,277		45,687,000	$1,934,504
2043	24,683,123	16,240,277		40,923,400	$976,556
2044	17,160,603	16,240,277		33,400,881	$948,390
2045	11,645,249	16,240,277		27,885,527	$813,009
2046	5,177,784	16,240,277		21,418,061	$33,282
2047	116,305	16,240,277		16,356,583	
2048	-	16,240,277		16,240,277	
2049		16,240,277		16,240,277	
2050					
2051					
2052					
	$2,207,937,312	$586,402,527	$1,250,553	$2,795,590,392	$1,164,634,098

(1) The Texas Water Development Board's fiscal year runs from 9/1 to 8/31.
(2) Represents scheduled repayments of $0 in outstanding principal amount of Political Subdivision Bonds as of August 31, 2016.
(3) Represents projected repayments from (a) $129,825,000 in Board commitments which include $94,590,000 in Equivalency loans, $35,235,000 in Non-Equivalency loans, and (b) $446,607,732 in projected loans to be made with excess available program funds.
(4) Assumes investment income on fund balances at 0.307% for 8 months.

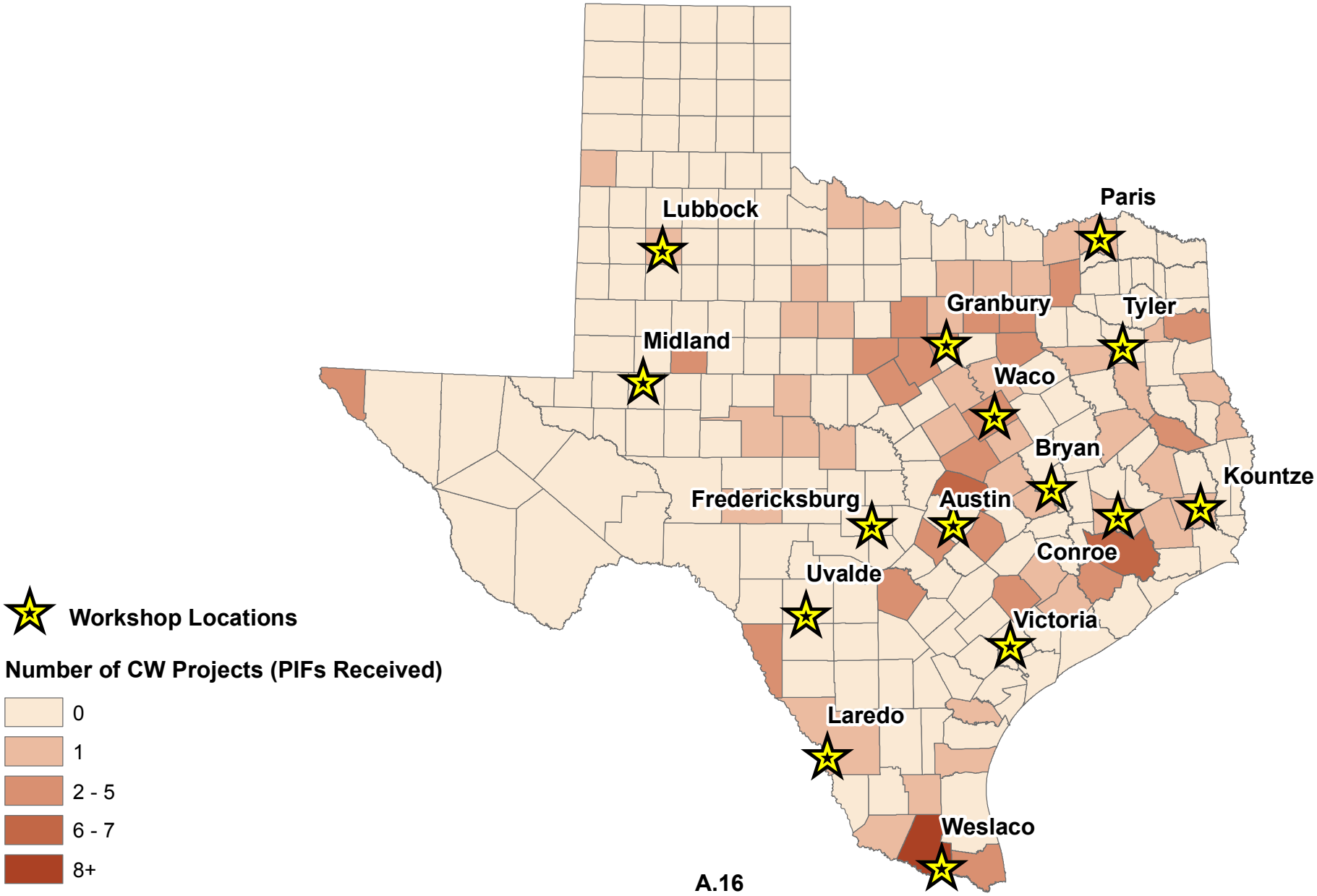
Texas Water Development Board
SFY 2016 Clean Water State Revolving Fund
Annual Report

TEXAS WATER DEVELOPMENT BOARD
CLEAN WATER STATE REVOLVING FUND
DEBT SERVICE ON OUTSTANDING BONDS
AS OF AUGUST 31, 2016

Fiscal Year	SRF Revenue Fixed Rate Bonds			Variable Rate Bonds (2)				State Match Fixed Rate Bonds (3)			Total Debt Service
	Principal	Interest	Total	Principal	Interest	Total	Grand Total	Principal	Interest	Total	
2017 (1)	$23,585,000	$30,476,088	$54,061,088				$54,061,088	$13,204,622	$6,274,856	$19,479,478	$73,540,565
2018	$45,570,000	$29,329,938	74,899,938			-	74,899,938	$13,623,220	$5,727,686	19,350,905	94,250,843
2019	$22,510,000	$27,156,438	49,666,438			-	49,666,438	$11,490,281	$5,157,617	16,647,898	66,314,335
2020	$29,755,000	$26,135,138	55,890,138			-	55,890,138	$10,996,878	$4,692,120	15,688,998	71,579,135
2021	$31,560,000	$24,651,138	56,211,138			-	56,211,138	$11,426,495	$4,242,032	15,668,528	71,879,665
2022	$38,935,000	$23,059,800	61,994,800			-	61,994,800	$11,716,049	$3,759,613	15,475,662	77,470,462
2023	$41,565,000	$21,073,988	62,638,988			-	62,638,988	$10,049,741	$3,253,990	13,303,731	75,942,719
2024	$47,570,000	$18,954,088	66,524,088			-	66,524,088	$10,246,405	$2,832,860	13,079,264	79,603,352
2025	$54,125,000	$16,545,900	70,670,900			-	70,670,900	$8,991,772	$2,395,373	11,387,145	82,058,045
2026	$54,430,000	$13,808,438	68,238,438			-	68,238,438	$9,397,789	$2,018,737	11,416,526	79,654,964
2027	$67,325,000	$11,054,650	78,379,650			-	78,379,650	$7,417,614	$1,615,026	9,032,640	87,412,290
2028	$53,310,000	$7,639,438	60,949,438			-	60,949,438	$6,008,168	$1,273,948	7,282,116	68,231,553
2029	$59,370,000	$4,973,938	64,343,938			-	64,343,938	$6,290,074	$996,453	7,286,527	71,630,465
2030	$16,100,000	$2,016,250	18,116,250			-	18,116,250	$6,271,885	$700,861	6,972,747	25,088,997
2031	$5,990,000	$1,211,250	7,201,250			-	7,201,250	$4,344,120	$403,239	4,747,359	11,948,609
2032	$2,240,000	$911,750	3,151,750			-	3,151,750	$2,331,134	$198,675	2,529,809	5,681,559
2033	$2,355,000	$799,750	3,154,750			-	3,154,750	$1,463,232	$96,077	1,559,309	4,714,059
2034	$2,475,000	$682,000	3,157,000			-	3,157,000	$841,588	$33,369	874,957	4,031,957
2035	$2,590,000	$558,250	3,148,250			-	3,148,250			-	3,148,250
2036	$2,725,000	$428,750	3,153,750			-	3,153,750			-	3,153,750
2037	$2,855,000	$292,500	3,147,500			-	3,147,500			-	3,147,500
2038	$2,995,000	$149,750	3,144,750			-	3,144,750			-	3,144,750
2039			-			-	-			-	-
2040			-			-	-			-	-
2041			-			-	-			-	-
2042			-			-	-			-	-
2043			-			-	-			-	-
2044			-			-	-			-	-
2045			-			-	-			-	-
2046			-			-	-			-	-
2047			-			-	-			-	-
2048			-			-	-			-	-
2049			-			-	-			-	-
2050			-			-	-			-	-
2051			-			-	-			-	-
2052			-			-	-			-	-
	$609,935,000	$261,909,225	$871,844,225				$871,844,225	$146,111,067	$45,672,531	$191,783,598	$1,063,627,823

(1) The Texas Water Development Board's fiscal year runs from 9/1 to 8/31.
(2) Assumes an interest rate of 0% for variable rate bonds.
(3) State Match Bonds are paid only from interest repayments.

Map of Workshops Conducted in SFY 2016



Appendix B: CWSRF SFY 2016 Projects

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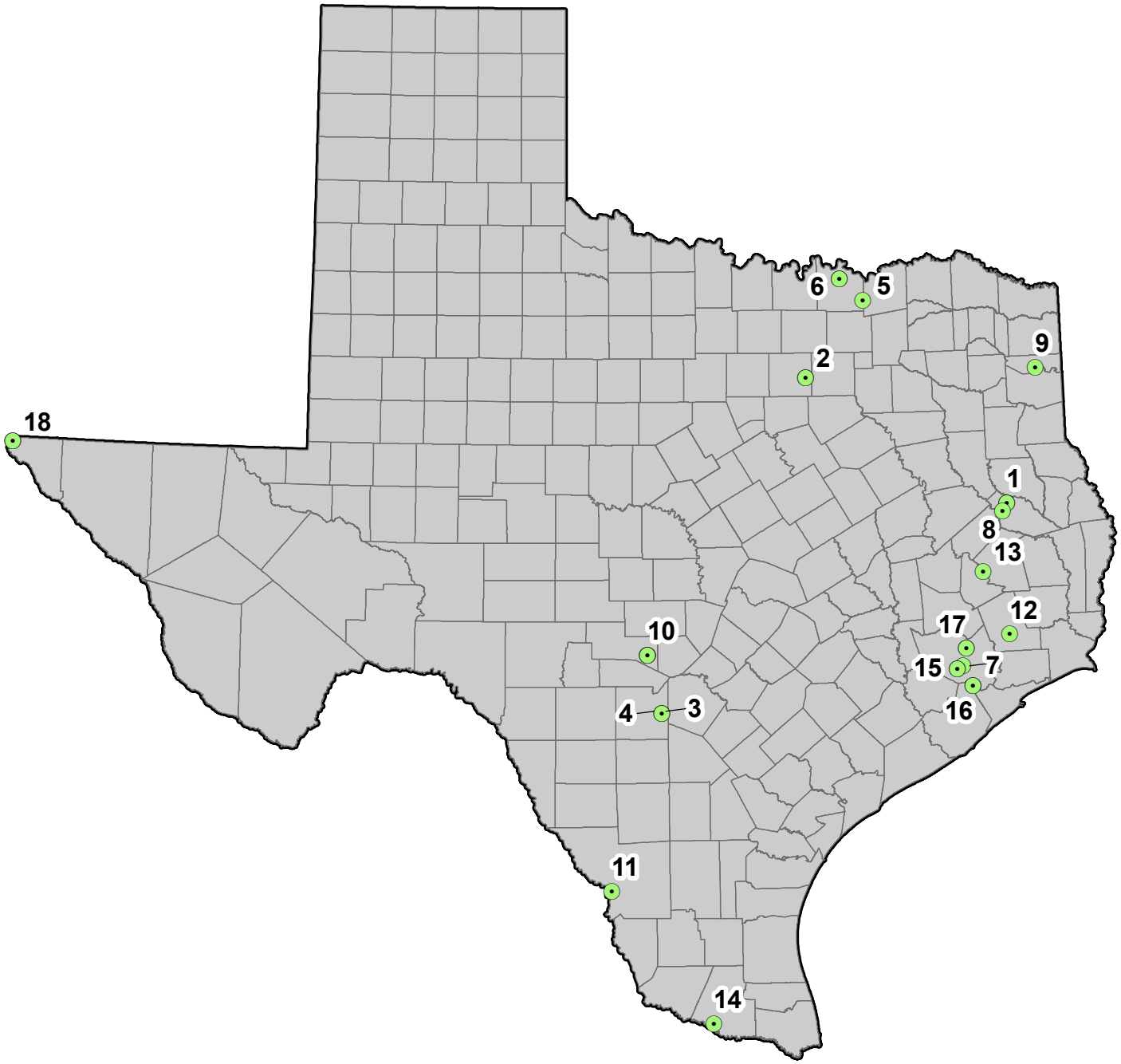
Texas Water Development Board
SFY 2016 Clean Water State Revolving Fund
Annual Report

Committments Closed										
Map ID	Entity	Project #	Commitment #	Amount	Equivalency	First Principal Payment	Last Principal Payment	Interest Rate	IUP Year	Small Community
1	Angelina & Neches RA	73677	L1000396	$ 1,820,000	EQ	10/01/2017	10/01/2045	2.07%	2015	Yes
1	Angelina & Neches RA	73677	LF1000397	3,176,250	EQ	N/A	N/A	N/A	2015	Yes
2	Arlington	73723	L1000491	2,080,000	EQ	06/01/2017	06/01/2036	0.23%	2016	
2	Arlington	73723	LF1000498	359,700	EQ	N/A	N/A	N/A	2016	
3	Castroville	73707	L1000391	9,050,000	EQ	08/01/2016	08/01/2045	1.08%	2015	Yes
4	Castroville	73646	L1000393	3,050,000	EQ	08/01/2016	08/01/2035	0.72%	2015	Yes
5	Greater Texoma UA	73715	L1000447	640,000	Non-EQ	10/01/2016	10/01/2035	1.77%	2015	Yes
6	Greater Texoma UA	73724	L1000506	165,000	EQ	10/01/2017	10/01/2041	1.45%	2016	Yes
6	Greater Texoma UA	73724	LF1000520	69,219	EQ	N/A	N/A	N/A	2016	Yes
7	Houston	73702	L1000382	63,435,000	EQ	11/15/2016	11/15/2045	0.98%	2015	
8	Hudson	73714	L1000446	410,000	Non-EQ	08/15/2016	08/15/2045	1.83%	2015	Yes
9	Jefferson	73729	L1000526	1,630,000	Non-EQ	02/15/2018	02/15/2037	1.03%	2016	Yes
10	Kerr County	10366	L1000434	185,000	EQ	02/15/2020	02/15/2041	0.58%	2015	Yes
10	Kerr County	10366	L1000484	5,110,000	EQ	02/15/2020	02/15/2041	0.50%	2016	Yes
10	Kerr County	10366	LF1000485	416,000	EQ	N/A	N/A	N/A	2015	Yes
10	Kerr County	10366	LF1000495	11,700,273	EQ	N/A	N/A	N/A	2016	Yes
11	Laredo	73705	L1000357	22,075,000	EQ	03/01/2016	03/01/2045	1.07%	2015	
12	Liberty	73713	L1000443	900,000	Non-EQ	03/01/2017	03/01/2026	0.29%	2015	Yes
13	Memorial Point UD	73728	L1000533	2,045,000	Non-EQ	04/01/2018	04/01/2036	0.88%	2016	Yes
14	Mission	73708	L1000356	16,140,000	EQ	02/15/2017	02/15/2044	1.52%	2015	
15	North Fort Bend WA	73721	L1000510	9,420,000	EQ	12/15/2018	12/15/2040	0.61%	2016	
15	North Fort Bend WA	73721	LF1000509	1,632,000	EQ	N/A	N/A	N/A	2016	
16	Pearland	73716	L1000467	11,100,000	Non-EQ	09/01/2017	09/01/2025	0.07%	2015	
16	Pearland	73716	L1000551	50,100,000	Non-EQ	09/01/2017	09/01/2045	0.63%	2015	
17	Sequoia ID	73717	L1000466	1,380,000	EQ	04/01/2017	04/01/2035	0.97%	2015	Yes
17	Sequoia ID	73717	LF1000497	677,442	EQ	N/A	N/A	N/A	2015	Yes
18	Vinton	73704	L1000493	825,000	EQ	08/15/2017	08/15/2046	1.13%	2016	Yes
18	Vinton	73704	LF1000503	1,885,860	EQ	N/A	N/A	N/A	2016	Yes
Totals		**18**	**28**	**$ 221,476,744**						

Total Loan Forgiveness: $ 19,916,744

Map of Project Locations of Closings



Descriptions of Closed Projects

Angelina & Neches RA Redland Estates & Angelina County FWSD 1 Sewer Systems Project # 73677			
Commitment Amount	$4,996,250	Closing Date	01/29/2016
Commitment Code	L1000396, LF1000397	Map Location	1

Project Need: The Redland Estates Wastewater Treatment Plant originally provided wastewater treatment for the Redland Estates Subdivision. The plant has been out of service for approximately 20 years, which has allowed raw untreated sanitary sewer flows from existing homes to discharge directly into an unnamed tributary of the Angelina River. A Public Health Threat has been issued by both the Texas Commission on Environmental Quality and the Angelina County & Cities Health District.

Project Description: The Angelina & Neches River Authority is seeking construction phase funding for proposed wastewater collection system improvements that will provide first time sewer service to approximately 105 connections within the Angelina County Fresh Water Supply District No. 1's service area including the Redland Estates subdivision and additional homes along the proposed sewer line route. This will include elimination of existing on-site sewer facilities for existing connections and provide collection through a proposed sanitary sewer collection system with treatment being provided by the Angelina & Neches River Authority's North Angelina County Regional Wastewater Treatment Facility.

Arlington Collection System Improvements 2015 Project # 73723			
Commitment Amount	$2,439,700	Closing Date	05/26/2016
Commitment Code	L1000491, LF1000498	Map Location	2

Project Need: The City of Arlington (City) has entered into a Sanitary Sewer Overflow Initiative and subsequent Enforcement Order with the Texas Commission on Environmental Quality that has established a plan for the City to improve the performance of its wastewater collection system. That plan calls for a commitment of $3,500,000 per year by the City to improve the system, and they are in need of CWSRF assistance to meet that obligation.

Project Description: The City of Arlington is proposing to replace 16,525 linear feet of 6 and 10-inch pipelines with 8 thru 12-inch diameter pipe in five different segments throughout the City. The proposed work is 100% eligible for Green Project funding.

Castroville East Side Lift Station & Force Main Project # 73707			
Commitment Amount	$9,050,000	Closing Date	12/07/2015
Commitment Code	L1000391	Map Location	3
Project Need: Stricter permit limits and an increase in wastewater flows has necessitated improvements and expansion of the City of Castroville's (City) wastewater treatment plant. Project Description: The City is requesting financial assistance for the planning and construction of wastewater treatment plant improvements to expand the capacity from 0.35 million gallons per day (MGD) to 0.9 MGD. The plant will be designed to meet more stringent discharge limits as set forth in the new Texas Commission on Environmental Quality (TCEQ) discharge permit and will allow for modulation between the new and old facilities as necessary for the treating of flows and for the diversion of plant effluent to either reuse irrigation or river discharge.			
Castroville WWTP Capacity Expansion Project # 73646			
Commitment Amount	$3,050,000	Closing Date	11/24/2015
Commitment Code	L1000393	Map Location	4
Project Need: Due to the limited capacity of the existing sewer collection system east of the Medina River, significant additional flows cannot be added to the City of Castroville's (City) existing sewer network in that area. Project Description: The City is requesting funding for the construction of a lift station near the municipal airport and approximately 2.6 miles of force main to deliver flow from the East Side Sanitary Sewer Area to the City's wastewater treatment plant.			
Greater Texoma UA Whitewright Lift Station Project Project # 73715			
Commitment Amount	$640,000	Closing Date	09/29/2015
Commitment Code	L1000447	Map Location	5
Project Need: The City of Whitewright's (City) existing lift station, located at the intersection of Bond Street and Echols street, is under sized and has demonstrated past performance issues. The lift station is also located on a private residence. The City has also experienced issues with a failing electric generator located at the City's Wastewater Treatment Plant. Project Description: The City proposes to replace the existing lift station with at a new lift station, and replace the electric generator at the Wastewater Treatment Plant. The new lift station will be located within an easement, and sized to handle current loading from the system. The project includes purchase of easements, construction of the lift station, electrical improvements, fencing, SCADA equipment, paving, force main, sanitary sewer pipeline, and replacement of the electrical generator.			

Greater Texoma UA Sadler WWTP Rehab Project # 73724			
Commitment Amount	$234,219	Closing Date	04/28/2016
Commitment Code	L1000506, LF1000520	Map Location	6

Project Need: The City of Sadler (City) received a Notice of Violation from the Texas Commission on Environmental Quality (TCEQ), and has entered into an agreed order to address the deficiencies.

Project Description: The Greater Texoma Utilities Authority (GTUA) on behalf of the City of Sadler is proposing to use funding from a CWSRF loan to rehabilitate the City's wastewater treatment plant (WWTP). This project will allow the City to reliably meet TCEQ effluent limits, and allow the City to fulfill the agreed order with TCEQ.

Houston Collection System Rehabilitation Project # 73702			
Commitment Amount	$63,435,000	Closing Date	01/20/2016
Commitment Code	L1000382	Map Location	7

Project Need: The City of Houston (City) is under an Agreed Order with the Texas Commission on Environmental Quality (TCEQ) to address sanitary sewer overflows. The Agreed Order calls for the City to renew at least 600,000 linear feet of sanitary sewer collection system per year in order to reduce sanitary sewer overflows.

Project Description: The City is requesting construction phase funding to rehabilitate approximately 650,000 linear feet of 6 to 48-inch diameter sewer pipe using pipe bursting and cured-in-place pipe rehabilitation methods at various locations throughout the City.

Hudson WWTP Replacement Project # 73714			
Commitment Amount	$410,000	Closing Date	10/22/2015
Commitment Code	L1000446	Map Location	8

Project Need: The City of Hudson's (City) existing wastewater treatment plant (WWTP), which was constructed in 1978, has reached the end of its useful service life. Most of its mechanical equipment has been replaced multiple times and its concrete support structures are deteriorating. The WWTP has historically met its discharge permit requirements but has problems with solids removal and handling infiltration/inflow contributions under present loading conditions.

Project Description: The City is requesting funds to undertake planning, design and associated engineering activities. Alternatives to be considered during the planning phase of the project (using smaller treatment plans in the initial construction phase) include alternative treatment processes and a focus on reducing infiltration and inflow (I/I) in lieu of constructing new treatment facilities.

Jefferson Rehab & Extend Sewers Project # 73729			
Commitment Amount	$1,630,000	Closing Date	07/25/2016
Commitment Code	L1000526	Map Location	9

Project Need: The City of Jefferson (City) is one of the oldest incorporated cities in Texas. Many of the components of the City's water and wastewater infrastructure are over 50 years old. The age of the water distribution and wastewater collection system lines results in increased line breaks leading to extensive repairs, inflow and infiltration to wastewater lines during rain events, and opportunities for contamination of potable water. With the passage of time, the maintenance costs to keep the system in running in compliance increase.

Project Description: The City has prioritized 11,000 feet of 6 to 12-inch wastewater collection lines for replacement. These lines are located in the oldest, central areas of the City. Once completed, the City will have eliminated the worst systemic breaks and leaks in both water and wastewater piping systems.

Kerr County Center Point Wastewater System Project # 10366			
Commitment Amount	$17,411,273	Closing Date	06/21/2016
Commitment Code	L1000434, L1000484, LF1000485, LF1000495	Map Location	10

Project Need: Currently, there is no centralized wastewater collection or treatment system serving the community of Center Point or the surrounding areas in eastern Kerr County. These areas rely on on-site septic systems for wastewater disposal, many of which do not meet current minimum standards and have a history of poor performance and violations.

Project Description: In order to address these deficiencies, Kerr County is proposing a first-time wastewater collection system to serve the community of Center Point and surrounding areas. The proposed system will ultimately include over 177,000 feet of collection and transfer mains, 11 lift stations, and wastewater treatment plant improvements. The project will collect wastewater from the Center Point area and a corridor along State Highway 27 through eastern Kerr County. The wastewater will be transferred to the existing Kendall County Water Control and Improvement District No. 1 (District) system that serves the Comfort area.

Laredo South Laredo WWTP Expansion II Project # 73705			
Commitment Amount	$22,075,000	Closing Date	11/30/2015
Commitment Code	L1000357	Map Location	11

Project Need: The City needs to construct additional wastewater treatment capacity at its South Laredo Wastewater treatment plant (WWTP) to divert flows from the flood prone Zacate Creek WWTP.

Project Description: The City is requesting construction funding to expand the South Laredo WWTP from 12 to 18 MG.

Liberty Manhole Rehabilitation Project # 73713			
Commitment Amount	$900,000	Closing Date	04/05/2016
Commitment Code	L1000443	Map Location	12

Project Need: Rehabilitate the City of Liberty's (City) collection system to reduce infiltration and inflow as outlined in the City's response to a compliance agreement with TCEQ.

Project Description: The City is proposing to use funding from a CWSRF loan to plan to reduce infiltration and inflow within the collection system. The City will evaluate manholes, collection lines, lift stations, and the wastewater treatment plant. The City will also evaluate expanding sewer service to unserved areas of the City.

Memorial Point UD WWTP & Lift Station Rehab Project # 73728			
Commitment Amount	$2,045,000	Closing Date	08/25/2016
Commitment Code	L1000533	Map Location	13

Project Need: The Memorial Point Utility District provides water and wastewater service to the Memorial Point subdivision located on Lake Livingston. The existing treatment plant has been in service for approximately 40-50 years and has a design capacity of 200,000 gallons per day. The treatment plant's onsite lift station has also outlived its design life. The treatment plant operator reports that the pumps are not reliable and are inefficient. The initial pump selection will not meet current design standards for the lift station's flow capacity and reserve pumping capacity.

Project Description: TWDB funds will be utilized for the planning, design, and construction of a new 0.20 million gallons per day treatment plant on the existing site. The existing treatment plant will remain in service during the construction period. Upon the completion of construction of the new treatment plant, the wastewater will be diverted from the old treatment plant to the new plant and modification of the old treatment plant structure will commence. The old treatment plant structure will be refurbished and converted into an influent flow retention / equalization basin. The existing lift station that feeds the plant will also be upgraded.

Mission WWTP Expansion Project # 73708			
Commitment Amount	$16,140,000	Closing Date	10/28/2015
Commitment Code	L1000356	Map Location	14

Project Need: The City of Mission's (City) wastewater treatment plant (WWTP) is currently operating at 79% of its 9.0 million gallon per day (MGD) capacity. With normal projected growth and the expansion of the City's service area, as well as with the need to treat flows from the Agua Special Utility District, the City's WWTP needs to be expanded.

Project Description: The City is requesting funding for planning, design, and construction to expand its WWTP from 9.0 MGD to 13.5 MGD. The proposed project will also include the construction of a minimum 2.0 MGD Type 1 effluent reuse system. The City plans to land-apply the effluent at its golf course and park.

North Fort Bend WA Grand Lakes Reclaimed Water System Project # 73721			
Commitment Amount	$11,052,000	Closing Date	08/25/2016
Commitment Code	L1000510, LF1000509	Map Location	15

Project Need: The North Fort Bend Water Authority (Authority) has identified several customers that have a demand for the reuse of treated effluent as a source for the irrigation of green spaces.

Project Description: TWDB funding will cover the construction phase of the Grand Lakes Reclaimed Water System. The reuse system will treat effluent from the Grand Lakes MUD 4 Wastewater Treatment Plant to Type I Standards and distribute the water throughout Grand Lakes MUDs 1 ,2 and 4 for irrigation of green spaces and maintaining amenity lake levels throughout the MUDs. This system is anticipated to supply 0.59 million gallons of water per day through approximately 52,000 linear feet of purple pipe. The Authority will own the tertiary treatment system, reuse pipe system, and reuse water.

Pearland Far Northwest WWTP Expansion Project # 73716			
Commitment Amount	$61,200,000	Closing Date	08/04/2016
Commitment Code	L1000467, L1000551	Map Location	16

Project Need: The City of Pearland's Reflection Bay Water Reclamation Facility is experiencing average daily flows that have exceeded 75% of the current design treatment capacity and is expected to be overloaded by the end of the year based on population projections.

Project Description: TWDB funding will provide for the design and construction of the Reflection Bay Water Reclamation Facility’s capacity expansion from 2 to 6 million gallons per day (MGD). Some components will be sized to account for a future average daily flow of 7 MGD. The project includes the installation of an emergency package plant which will provide interim capacity relief during the expansion project. The emergency package plant has the capacity to treat 1 MGD of wastewater. It is designed to meet current discharge permit limit standards, integrate with the existing plant facilities, and be compatible with future expansions.

Sequoia ID Sanitary Sewer Rehabilitation Project # 73717			
Commitment Amount	$2,057,442	Closing Date	05/26/2016
Commitment Code	L1000466, LF1000497	Map Location	17

Project Need: The Sequoia Improvement District's (District) wastewater collection system was primarily constructed in the late 1960's, and has not been subjected to any significant rehabilitation work. These lines and manholes have exceeded their useful design life and are in need of replacement.

Project Description: The TWDB provided funding for the planning, design, and construction of the wastewater collection system improvements mentioned above. These proposed improvements will replace corroded manholes and approximately 18,500 linear feet of deteriorated lines which contribute to potential sanitary sewer issues and increased inflow & infiltration.

Vinton New Centralized WW Collection System Project # 73704			
Commitment Amount	$2,710,860	Closing Date	06/28/2016
Commitment Code	L1000493, LF1000503	Map Location	18

Project Need: The Village depends on septic systems for their wastewater treatment and disposal. These systems are dilapidated and failing resulting in health and safety enforcement actions by the appropriate agencies.

Project Description: The Village requires financial assistance to plan and design a new centralized wastewater collection system. The project consists of planning, acquisition, design, and construction of a new centralized wastewater collection system, including lift stations and force main connection to a proposed El Paso Water Utilities regional wastewater conveyance facility.

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Equivalency Projects - SFY 2015					
Recipient	**Project ID**	**Commitment #**	**Amount**	**Commitment Date**	**Closing Date**
Agua SUD	10365	L1000423	$ 8,150,000	03/26/2015	08/11/2015
Angelina & Neches RA	73677	L1000396	1,820,000	01/08/2015	01/29/2016
Angelina & Neches RA	73677	LF1000397	3,176,250	01/08/2015	01/29/2016
Castroville	73646	L1000393	3,050,000	03/26/2015	11/24/2015
Castroville	73707	L1000391	9,050,000	03/26/2015	12/07/2015
Euless	73701	L1000374	2,380,000	12/11/2014	08/05/2015
Euless	73701	LF1000384	375,300	12/11/2014	08/05/2015
Harris Co MUD #50	73706	L1000400	2,460,000	02/25/2015	06/17/2015
Houston	73702	L1000382	63,435,000	01/29/2015	01/20/2016
Kerr County	10366	L1000434	185,000	12/14/2015	06/21/2016
Kerr County	10366	LF1000485	416,000	12/14/2015	06/21/2016
Laredo	73705	L1000357	22,075,000	03/26/2015	11/30/2015
Mission	73708	L1000356	16,140,000	03/26/2015	10/28/2015
Olney	73684	L1000385	2,440,000	01/08/2015	06/04/2015
Sequoia ID	73717	L1000466	1,380,000	01/19/2016	05/26/2016
Sequoia ID	73717	LF1000497	677,442	01/19/2016	05/26/2016
Wimberley	73653	L1000394	5,255,000	04/11/2016	N/A
Wimberley	73653	LF1000502	243,005	04/11/2016	N/A
Totals	**18**		**$142,707,997**		

Amount of Grant (2014 Appropriations): $ 64,084,000
Percentage: 223%

Equivalency Projects - SFY 2016					
Recipient	**Project ID**	**Commitment #**	**Amount**	**Commitment Date**	**Closing Date**
Arlington	73723	L1000491	$ 2,080,000	02/18/2016	05/26/2016
Arlington	73723	LF1000498	359,700	02/18/2016	05/26/2016
Bonham	73735	L1000542	3,900,000	08/11/2016	N/A
Cameron	73727	L1000516	12,000,000	05/05/2016	09/14/2016
Cameron	73727	LF1000523	687,958	05/05/2016	09/14/2016
Eldorado	73625	L1000538	575,000	07/07/2016	09/15/2016
Greater Texoma UA	73724	LF1000520	69,219	03/21/2016	04/28/2016
Greater Texoma UA	73724	L1000506	165,000	03/21/2016	04/28/2016
Houston	73719	L1000508	65,750,000	02/18/2016	N/A
Kerr County	10366	L1000484	5,110,000	12/14/2015	06/21/2016
Kerr County	10366	LF1000495	11,700,273	12/14/2015	06/21/2016
McAllen	73731	LF1000540	1,239,567	06/14/2016	N/A
McAllen	73731	L1000529	7,110,000	06/14/2016	N/A
North Fort Bend WA	73721	LF1000509	1,632,000	02/18/2016	08/25/2016
North Fort Bend WA	73721	L1000510	9,420,000	02/18/2016	08/25/2016
Vinton	73704	LF1000503	1,885,860	03/03/2016	06/28/2016
Vinton	73704	L1000493	825,000	03/03/2016	06/28/2016
Totals	**17**		**$124,509,577**		

Amount of Grant (2015 Appropriations): $ 63,756,000
Percentage: 195%

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CWSRF Project Starts					
Entity	**Commitment #**	**Project #**	**Closing Date**	**Start Date**	**Net Amount**
Cibolo Creek MA	L110083	73624	03/01/2012	04/25/2016	$ 24,440,000
Comanche	L1000170	73661	11/21/2013	10/29/2015	755,000
Comanche	LF1000171	73661	11/21/2013	10/29/2015	316,500
Euless	L1000374	73701	08/05/2015	01/18/2016	2,380,000
Euless	LF1000384	73701	08/05/2015	01/18/2016	375,300
Fort Worth	L1000345	73699	06/18/2015	03/21/2016	39,000,000
Greater Texoma UA	L1000506	73724	04/28/2016	05/04/2016	165,000
Greater Texoma UA	LF1000520	73724	04/28/2016	05/04/2016	69,219
Harris Co MUD #50	L1000400	73706	06/17/2015	09/14/2015	2,460,000
Houston	L1000382	73702	01/20/2016	03/23/2016	63,435,000
Hudson	L1000446	73714	10/22/2015	10/22/2015	410,000
Kerr County	L1000434	10366	06/21/2016	06/21/2016	185,000
Kerr County	LF1000485	10366	06/21/2016	06/21/2016	416,000
Liberty	L1000443	73713	04/05/2016	04/05/2016	900,000
NW Harris Co MUD #22	L1000430	73712	07/30/2015	12/15/2015	3,080,000
Trinity River Authority	L100030	72319	10/06/2011	09/28/2015	23,765,000
Vinton	L1000493	73704	06/28/2016	06/28/2016	825,000
Vinton	LF1000503	73704	06/28/2016	06/28/2016	1,885,860
Wichita Falls	L1000337	73695	01/12/2015	02/01/2016	33,545,000
Wichita Falls	LF1000370	73695	01/12/2015	02/01/2016	252,597
Winnsboro	L1000343	73700	03/24/2015	03/10/2016	1,040,000
Totals		**15**			**$ 199,700,476**

CWSRF Project Completions					
Entity	**Commitment #**	**Project #**	**Closing Date**	**Completion Date**	**Net Amount**
Cushing	L1000242	73671	02/26/2014	11/04/2015	$ 510,000
Cushing	LF1000243	73671	02/26/2014	11/04/2015	217,000
Greater Texoma UA	L080022	72221	04/01/2008	11/19/2015	3,710,000
Greater Texoma UA	L080067	72221	09/29/2009	11/19/2015	2,705,000
Harris Co MUD #46	L080057	72227	03/16/2009	11/19/2015	2,275,000
Houston	L110062	73606	09/27/2012	05/25/2016	49,900,000
Ingram	L1000262	73656	04/18/2014	07/08/2016	1,185,000
Liberty Hill	L070009	72048	01/25/2007	11/30/2015	1,345,000
Liberty Hill	L070010	72048	01/25/2007	11/30/2015	6,785,000
Mercedes	L1000024	73642	05/07/2013	04/05/2016	3,255,000
Mercedes	LF1000059	73642	05/07/2013	04/05/2016	1,395,000
Orange Co WCID #1	L070105	72129	10/25/2007	06/24/2016	2,500,000
Orange Co WCID #1	L070106	72129	07/15/2009	06/24/2016	11,115,000
Orange Co WCID #1	L080003	72129	08/18/2011	06/24/2016	13,610,000
San Antonio	L090007	72220	12/30/2009	11/20/2015	54,300,000
San Antonio	L100077	72220	08/18/2011	11/20/2015	18,095,000
San Antonio	L110061	73613	08/28/2012	11/20/2015	19,630,000
Wihitesboro	114900	71298	05/20/2002	01/05/2016	2,725,000
Willis	L100071	72352	06/23/2010	01/29/2016	1,355,000
Totals		**12**			**$ 196,612,000**

Clean Water Benefits Reporting (CBR) Summaries

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CW Benefits Summary Loan List for Texas

	System Number	Recipient	Tracking Number	Assistance Amount	Initial Agreement
TX	365	Angelina & Neches River Authority	73677 - L1000396, L	4,996,250	1/29/2016
TX	368	Arlington	73723 - L1000491, L	2,439,700	5/26/2016
TX	362	Castroville	73646 - L1000393	3,050,000	11/24/2015
TX	363	Castroville	73707 -L1000391	9,050,000	12/7/2015
TX	358	Greater Texoma UA	73715 - L1000447	640,000	9/29/2015
TX	367	Greater Texoma UA	73724 - L1000506, L	234,219	4/28/2016
TX	364	Houston	73702 - L1000382	63,435,000	1/20/2016
TX	360	Hudson	73714 - L1000446	410,000	10/22/2015
TX	373	Jefferson	73729 - L1000526	1,630,000	7/25/2016
TX	372	Kerr County	10366 - L1000434, L	601,000	6/21/2016
TX	370	Kerr County	10366 - L1000484, L	16,810,273	6/21/2016
TX	361	Laredo	73705 - L1000357	22,075,000	11/30/2015
TX	366	Liberty	73713 - L1000443	900,000	4/5/2016
TX	374	Memorial Point UD	73728 - L1000533	2,045,000	8/25/2016
TX	359	Mission	73708 - L1000356	16,140,000	10/28/2015
TX	375	North Fort Bend WA	73721 - L1000510, L	11,052,000	8/25/2016
TX	376	Pearland	73716 - L1000467, L	61,200,000	8/4/2016
TX	369	Sequoia ID	73717 - L1000466, L	2,057,442	5/26/2016
TX	371	Vinton	73704 - L1000493, L	2,710,860	6/28/2016
			Total for all 19 Loans	**221,476,744**	

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Texas CW Benefits Summary Report for Projects with Water Uses Reported

All Loans

	Loans		Projects			Borrowers		
	Assistance Dollars (millions)	Loan Count	Assistance Dollars (millions)	Subsidy Dollars (millions)	Project Count	Facility Population (millions)	Facility Flow (MGD)	Borrower Count
Total Records	221.5	19	221.5		19	3.3	31	16
Records with Benefits Data	6.6	4	6.6	3.8	4	0.0	1	4
Impacting Human Health	2.9	2	2.9	2.1	2	0.0	0	2
	44%	50%	44%		50%	0	People Served per $million	50%
With Impaired Waterbody			3.7	1.7	2	0.0	1	2
			56%		50%	0	People Served per $million	50%
With Waterbody Meeting Standards			0.2	0.1	1			
To Improve Water Quality			1.6	0.8	1			
To Maintain Water Quality			2.9	2.1	2			
To Achieve Compliance			1.9	0.9	2			
To Maintain Compliance			2.1	0.9	1			

All Dates from 9/1/2015 thru 8/31/2016

10/12/2016

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Texas Program Performance Measures for CW Benefits

All Primary and Secondary Uses

	Number of Projects	Assistance Dollars (Millions)	Measure **(Projects per Million $)**
Waterbodies Protected			
Protected and Restored	2	5.4	0.369
Protected but Not Restored	2	1.9	1.073
All Protected	4	7.3	0.549
Waterbodies Restored			
Restored and Protected	1	2.7	0.369
Restored but Not Protected	1	2.1	0.486
All Restored	2	4.8	0.419

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Reported Needs Categories for Texas

Needs Category	Number of Projects	Total Amount	
I Secondary Treatment	8	121,114,402	54.7%
II Advanced Treatment	1	39,817	0.0%
III-A Infiltration/Inflow	1	412,876	0.2%
III-B Sewer System Rehabilitation	6	70,689,266	31.9%
IV-A New Collector Sewers	5	18,168,383	8.2%
X Recycled Water Distribution	1	11,052,000	5.0%
		221,476,744	

All Dates from 9/1/2015 thru 8/31/2016

10/12/2016

Special Appropriations Act Program

The Special Appropriations Act Program (SAAP) provides funding for water and wastewater projects. Financial Assistance funds are distributed directly to the recipients by the EPA with construction management and program oversight being performed by the TWDB. The TWDB receives 3% of the project's total costs to monitor construction and provide construction/administration assistance for the Texas projects.

The TWDB has assisted the EPA with 37 projects under this program. A few of the SAAP projects have received additional funding from TWDB Financial Assistance Programs. As of August 31, 2016, 29 projects have been completed and the remaining 8 projects are in active construction.

The TWDB's duties include; attendance and participation in pre-construction conferences; comparing completion percentages and milestones with the approved project schedule; conducting interim inspections; reviewing bid documents, change orders and reimbursement requests; and providing recommendations and construction progress reports to EPA Region 6.

Below is a list of the current active Texas projects for SAAP:

Project Name	Project #	Start Date	Estimated Completion Date
Baytown SAAP Garth Road Water Line	80033	03/02/2015	10/31/2016
Cotulla SAAP WWTP Rehab	80025	06/10/2011	03/11/2018
Fort Bend Co FWSD 1 CWSRF-GR-SAAP	21524	03/19/2007	04/29/2018
Hillsboro SS Rehab SAAP	80008	01/04/2010	11/27/2016
Lacy Lakeview SAAP Lift Station Replacement	80034	03/28/2016	06/15/2018
Lorena CWSRF/SAAP	71830	05/16/2011	10/29/2017
Lufkin SAAP Storage Tank Rehab	80027	05/06/2013	11/27/2016
Temple SAAP Little Elm Trunk Sewer	80035	02/01/2016	01/31/2017