

**Texas Water Development Board  
SFY 2017 Drinking Water State Revolving Fund  
Intended Use Plan  
Appendix J. Project Priority List - By Rank**

Rank	Points	PIF #	Entity	Owner Type	PWS ID	Population	Project Description	Phase(s)	Project Cost	Disadv %	Green Type	GPR	Related PIF #'s
<b>Public Water System</b>													
1	528	11936	Millersview-Doole WSC	W	TX0480015	3,579	Treating well water at the source and blending with surface water.	PDC	\$578,000.00				
2	279	11958	Brady	M	TX1540001	6,059	The City of Brady (City) is addressing the need to improve its water system as a result of violations noted by the Texas Commission on Environmental Quality (TCEQ) and the United States Environmental Protection Agency (EPA).	C	\$23,434,000.00	50%			
3	147	11987	West Wise SUD	D	TX2490016	4,206	Given the condition of the District's existing WTP and ongoing challenges in meeting DBP-2 requirements, it is anticipated that the primary focus of this project will be to implement construction of a new WTP, which will need to be capable of meeting and exceeding treatment requirements under current LT-2 and DBP-2 criteria while also being capable of meeting anticipated further tightening of these requirements in the future.	PADC	\$15,867,000.00		Yes-BC	\$15,139,000.00	
4	141	11871	Gorman	M	TX0670003	1,950	The City of Gorman is proposing to eliminate the old cast iron water line and replace it with PVC water lines. The City is also proposing to replace all of its service meters with new electronic read meters.	PDC	\$2,100,045.00	50%	Yes-BC	\$2,100,000.00	
5	138	11994	Ballinger	M	TX2000001	6,051	Construct a new raw water supply line from Lake Fort Phantom to the City of Ballinger WTP.	PADC	\$30,000,000.00	70%			
6	111	11940	Lawn	M	TX2210005	666	Abandon WTP and construct new treated water supply from a wholesale supplier. New water supply with less TOC, more stable water and less precursors for DBPs. Abandon WTP and construct new treated water supply. Abandon WTP and construct new treated water supply and build taller standpipe in Lawn. Abandon WTP and replace old and deteriorated water lines. Abandon WTP and construct new treated water supply with less TOC, more stable water, and less precursors for DBPs.	PADC	\$3,600,000.00	70%			
7	104	11998	Coke County WSC	W	TX0410017	523	Develop new well field for water supply. Install supply line from new well field to existing system.	PADC	\$3,500,000.00				
8	103	11862	Melvin	M	TX1540003	179	The City of Melvin proposed to construct corrective treatment facilities for its existing water source using Water Remediation Technologies (WRT) Z-88 radium absorption process.	PDC	\$740,000.00	30%			

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9	96	11967	Eden	M	TX0480001	2,766	There are several aspects of the City of Eden's (City) water supply system that are in need of improvement. These improvements include increasing the ability of the City's Cooling Tower to lower groundwater temperatures, reducing scale formation in the new WTP and existing water distribution piping and sedimentation present in the water supply, protection of above ground well equipment against weather elements and the removal of total dissolved solids (TDS) and chlorine as well as meeting secondary drinking water standards (SDWS).	PDC	\$9,115,000.00		Yes-BC	\$9,115,000.00	
10	83	11981	Rhome	M	TX2490007	1,598	This project will focus on improving the water treatment system for the City.	PDC	\$850,000.00				
11	83	12014	Lueders	M	TX1270007	342	The proposed project includes 3,000 l.f. of waterline to serve five new customers, a new disinfection and tank mixing system, and an automatic meter reading system.	PDC	\$499,500.00	70%	Yes-BC	\$80,000.00	
12	83	11866	Loop WSC	W	TX0830011	300	Proposed Water Treatment Plant	C	\$200,000.00				
13	80	12058	Whitharral W & SSSC	W	TX1100011	395	Install treatment system to remove nitrate and fluoride to below drinking water MCLs.	DC	\$300,000.00				
14	78	12000	Commodore Cove ID	D	TX0200033	350	A reverse osmosis system will allow CCID to lower the TTHMs levels to comply with TCEQ standards. This will also lower the TDS levels, which CCID is borderline on at this time.	ADC	\$190,000.00				
15	78	11977	Mason	M	TX1600001	2,114	City of Mason water supplies have radium levels above MCL and require treatment. This project will provide needed improvements to remove radium from groundwater supply.	PDC	\$845,000.00				
16	77	11892	Smyer	M	TX1100010	474	The City of Smyer has four water wells. The City's well water quality does not meet water quality requirements for arsenic (water currently exceeds the MCL for arsenic). A deteriorated 4 inch water line is used to supply the water from the groundwater storage tank to the south side of the City where it connects into the distribution system. The City's 100,000 gallon water storage tank's interior coating has failed. The City does not have a connection to the water supply equipment that would facilitate the quick connection of a generator to the equipment during a loss of power event.	PDC	\$466,000.00		Yes-BC	\$135,000.00	

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17	76	11879	Anthony	M	TX0710001	3,500	It is imperative that the town construct a new potable drinking water well to keep up with town demands, rehabilitate existing wells, install a new 250,000 gallon elevated water tank to meet both pressure and storage criteria, build an arsenic treatment plant to avoid additional TCEQ violations, and address system deficiencies such as leaking water lines, install a chlorination control system, and replace failing booster stations to avoid more serious problems.	C	\$7,449,947.00	50%	Yes-BC	\$1,114,500.00	
18	73	12018	FHLM Regional WSC	W	TX1470011	1,794	FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Prairie Hill WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Prairie Hill WSC's average day demands; Prairie Hill WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$3,040,000.00		Yes-BC	\$3,040,000.00	
19	72	11961	Rolling Hills WS	W	TX1110032	231	The Rolling Hills system is in disrepair and desperately in need of replacement of all of the major components.	PDC	\$2,455,000.00	70%	Yes-BC	\$1,227,000.00	
20	70	11952	Dublin	M	TX0720001	4,207	Proposed project will replace water lines, add radio read water meters, and provide a new supply well.	PADC	\$5,420,000.00		Yes-BC	\$1,626,000.00	
21	70	12023	San Benito	M	TX0310007	24,506	Water Treatment Plant No. 1 Rehabilitation - New Pumps, Piping, Filter Media, Controls, Chemical Feed Systems, Ray Water Intakes and Lab Building. Water Treatment Plan No. 2 Retrofit - New Pretreatment Facilities, Membrane Filtration & Treatment Systems, Yard Piping and Related Sitework & Electrical improvements. New Generator for WTP No. 2.	ADC	\$11,203,380.00	50%			
22	70	11991	Agua SUD	D	TX1080022	60,480	The proposed project includes a 4.5 mgd conventional water treatment plant with a water reservoir, upgrade of distribution lines, 1.5 mgd elevated storage tank and upgrade to the irrigation district water pumping system from 1.5 mgf to 6 mgd.	PADC	\$40,150,000.00	50%			
23	69	12054	Shallowater	M	TX1520003	2,484	Install GE Electrodialysis Reverse Osmosis (EDR) System.	DC	\$1,800,000.00				

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24	69	11976	La Feria	M	TX0310003	7,301	City of La Feria water treatment process improvements for water quality, electrical power efficiencies, and improved circulation.	PDC	\$3,147,160.85	30%	Yes-BC	\$503,150.00	
25	68	11946	Fort Griffin SUD	D	TX2090005	2,740	Utilize the SUD's existing raw water allotment from the BRA construct a treatment plant and water lines for that purpose.	PADC	\$3,657,500.00		Yes-BC	\$500,000.00	
26	66	11960	Barton WSC	W	TX0720013	697	The WSC has experienced disinfection residuals less than the required minimum of 2 mg/L. The proposed project will consist of adding chloramines disinfection systems at all pump station sites and adding and/or replacing sections of water lines for a system loop to improve disinfection residuals and to address low pressure areas.	PADC	\$1,500,000.00		Yes-BC	\$1,500,000.00	
27	66	11877	Bronte	M	TX0410001	3,320	4 new wells, WTP expansion, and a new treated water line to Robert Lee.	PADC	\$7,823,961.00	30%	Yes-BC	\$575,000.00	
28	65	11848	San Saba	M	TX2060001	4,221	New 6" and 8" water mains are proposed to replace the dilapidated lines.	C	\$1,700,000.00	30%	Yes-BC	\$1,700,000.00	
29	64	12013	FHLM Regional WSC	W	TX1550027	1,396	L.T.G. WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve LTG WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet LTG WSC's average day demands; LTG WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$2,200,000.00		Yes-BC	\$2,200,000.00	

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30	64	12004	FHLM Regional WSC	W	TX1550025	1,635	EOL WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve EOL WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet EOL WSC's average day demands; EOL WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$3,880,000.00		Yes-BC	\$3,880,000.00	
31	64	11984	Sansom Park	M	TX2200071	4,825	New tanks, pumps, wells, buildings, distribution, treatment	PADC	\$6,712,426.00	50%			
32	63	11868	Groveton	M	TX2280001	1,057	Construct water well and transmission main to supplement current TRA water supply which is seasonally inadequate for current demand, specifically during drought conditions.	PADC	\$2,195,000.00	70%			
33	62	11900	Nueces County	C	TX1780050	170	Nueces County proposes to replace distribution lines throughout Cyndie Park II (served by CP2WSC) as well as construct additional new lines to connect Cyndie Park I and The Ranch (adjacent colonia) residents. Nueces County will then construct upgrades to an existing water system (Nueces Water Supply, approx 4+ miles away) and connect CP I, CPII, and The Ranch to the new system.	AC	\$1,584,500.00	70%	Yes-BC	\$50,000.00	
34	56	11982	Rogers	M	TX0140004	974	The project will include replacement of existing water lines and installation of a new well, storage and pumping facilities.	PADC	\$5,831,000.00		Yes-BC	\$30,000.00	

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35	54	11993	FHLM Regional WSC	W	TX1550016	1,574	Axtell WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Axtell WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner o Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Axtell WSC's average day demands; Axtells WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$3,460,000.00		Yes-BC	\$69,200.00	
36	53	11971	Guadalupe Blanco RA	D	TX0290005	22,470	Added chlorination point and mixing additions.	DC	\$242,330.00				
37	52	12024	Toyah	M	TX1950004	114	Convert from groundwater to well water. Urgent Need and small systems.	DC	\$200,000.00	70%			
38	50	11995	FHLM Regional WSC	W	TX1090017	1,556	Birome WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Birome WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Birome WSC's average day demands; Birome WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$1,780,000.00		Yes-BC	\$1,780,000.00	
39	49	11888	Vinton	M	TX0710151	2,519	The proposed project will consist of the installation of new high capacity water lines. These new lines will be able to maintain minimum pressure and fire flow. A service fee from EPWU will be needed to allow EPWU to provide adequate water storage for Vinton.	PADC	\$17,161,800.00	30%			

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40	49	12046	FHLM Regional WSC	W	TX1550127	246	Moore's Water System - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Moore's Water System, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Moore's Water System average day demands; Moore's Water System existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$970,000.00		Yes-BC	\$970,000.00	
41	48	12015	FHLM Regional WSC	W	TX1550037	684	M S WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve MS WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet MS WSC's average day demands; MS WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$970,000.00		Yes-BC	\$970,000.00	



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42	45	11883	Winters	M	TX2000003	2,532	The City of Winters (City) has utilized 2014 DWSRF PAD funding to evaluate options associated with development of additional water supply by installing water wells east of the City. As a result of project evaluation during the planning phase, the City has decided to modify the existing scope and focus on needed improvements at the WTP and raw water supply line. The City desires to construct a new 0.4 MG clearwell, install a new raw water control valve, update the disinfectant injection points at the WTP and replace the air release valves and install a new sample location on the supply line.  The City has sufficient PAD funds remaining to design and bid the project and is now applying for construction funding. The project will be designed and ready for bidding well before construction funds will be available to complete the work.	C	\$807,000.00	30%				
43	43	11890	Troy	M	TX0140037	1,505	Construct a new water supply municipal well system. The project will also include the construction of the associated ground storage tanks, water pump station and water main installation as required to connect to the existing distribution system. This project also includes the preparation of an Asset Management Plan.	PADC	\$2,135,000.00		Yes-BC	\$250,000.00		
44	42	11957	Brookesmith SUD	D	TX0250004	8,750	Purchase and install 3,045 radio read meters.	PDC	\$975,000.00		Yes-BC	\$975,000.00		
45	36	11945	Gordon	M	TX1820007	744	Installing a new microfilter at the existing water treatment plant, and replacing old and deteriorated water lines throughout the City which have caused numerous water leaks. The water treatment plant has exceeded 85% of production capacity and is required by TCEQ to add more production capacity, and significant water loss is due to deteriorated and leaking raw water lines and treated distribution water lines.	PDC	\$1,196,000.00	30%	Yes-BC	\$1,196,000.00		
46	36	11895	San Angelo	M	TX2260001	96,177	In order to support current and future water supply needs, the City of San Angelo is pursuing the implementation of a potable reuse project.	PDC	\$150,000,000.00		Yes-BC	\$150,000,000.00		
47	33	11850	Rotan	M	TX0760002	2,763	Install 14 miles of new 12-inch PVC water line to replace existing and ground storage tank.	PDC	\$3,880,000.00	30%	Yes-BC	\$2,840,000.00		



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48	31	11970	Gladewater	M	TX0920001	7,812	Rehabilitate the existing raw water intake structure. Rehabilitate two existing elevated storage tanks. Prepare and implement an Asset Management Plan.	PDC	\$1,412,302.00				
49	30	12020	FHLM Regional WSC	W	TX1550136	960	R M S WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve RMS WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet RMS WSC's average day demands; RMS WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$3,040,000.00		Yes-BC	\$3,040,000.00	
50	26	12017	FHLM Regional WSC	W	TX1090005	324	Mount Calm - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Mount Calm, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Mount Calm's average day demands; Mount Calm's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$970,000.00	50%	Yes-BC	\$19,400.00	
51	26	11882	Wolfe City	M	TX1160005	1,795	Re-coat existing tank. Replace all existing water lines with new 6" and 8" water lines. Install one or two new wells.	PDC	\$8,130,000.00	70%	Yes-BC	\$7,317,000.00	
52	24	11847	Vernon	M	TX2440001	10,874	Install a new 16 mile 24 inch PVC pipeline.	PADC	\$11,000,000.00	50%	Yes-BC	\$11,000,000.00	
53	22	11972	Guadalupe Blanco RA	D	TX0460239	100,000	Aeration and granulated activated carbon (GAC) DPB control.	DC	\$11,934,585.00				
54	21	11955	Carbon	M	TX0670015	272	Pump Station Improvements to increase the storage and pumping capacities to meet compliance.	PDC	\$425,000.00	70%	Yes-BC	\$425,000.00	

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55	20	12002	Dario V. Guerra, III, dba Derby Ing.	W	TX0820016	113	Construct a new well at a suitable location to replace the existing water well and also to build redundancy in the system.	PADC	\$200,000.00				
56	20	12042	Bracken Christian School of Bulverde	P	TX0460201	500	Convert PWS 460201 to a customer of CCN 10692.	C	\$59,000.00				
57	17	11865	Lyford	M	TX2450003	2,611	Installation of two ground water wells at the water treatment plant for a new water supply source, with construction of a 1.0 MGD reverse osmosis RO membrane treatment facility to treat the brackish ground water.	PADC	\$4,590,000.00	50%			
58	16	11889	Union WSC	W	TX2140004	4,457	Replacement and upgrades to existing water main distribution lines to address water and pressures losses. Installation of new main distribution lines and vales to improve water distribution efficiency and reduce water pressure deficiencies. Connection of existing residential and commercial water services to new water main distribution lines. Construction of a 250,000 gallons storage elevated tank. Expansion of the existing water treatment plant from 1.5 MGD to 3.0 MGD.	PADC	\$5,610,915.00	30%	Yes-BC	\$650,000.00	
59	16	11872	Donna	M	TX1080002	18,300	Rehabilitation of existing water treatment plant and construction of an adjacent raw water reservoir. Existing plant has deteriorated and is in dire need of rehabilitation and to make repairs due to damages sustain in recent Hurricane. A new water reservoir is needed to store water in emergencies due to the unreliability of and inability of the local irrigation district to deliver raw water during power outages or emergency construction of the water canal system. A raw water reservoir will allow pretreatment and settlement of the raw water and a reduction of the amount of chemical need for water disinfection. The addition of an inordinate amount of chemicals needed for water settlement is making the water at the plant very corrosive and the corrosive water is deteriorating the metal components of the plant treatment equipment.	PADC	\$8,625,000.00	50%			
60	16	11861	Mexia	M	TX1470004	7,459	The City recently replaced approximately 50,000 l.f. of water mains and now seeks to replace broken/malfunctioning/unreliable water meters with AMR meters.	PDC	\$1,880,000.00	70%	Yes-BC	\$1,880,000.00	

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61	15	11997	Clarksville	M	TX1940002	3,179	To address the future loss of water supply, Clarksville will study supply options consisting of a new reservoir, connection to adjacent systems and drilling additional wells. Clarksville also has excessive loss rates and requires a water loss study.	P	\$125,000.00	50%	Yes-BC	\$50,000.00	
62	15	11948	Evant	M	TX0500015	465	Water service to customers is always an important subject in a city's utility needs. TCEQ has set standards for minimum water line pipe sizes and the number of service connections that can be run from these lines. Aging infrastructure is also a factor when looking at water lines and can make them vulnerable to leaks and failures. The City of Evant is pursuing the implementation of upsized water lines to ensure all TCEQ regulations are met and to better serve customers that are connected to these water lines.	PDC	\$200,000.00	50%	Yes-BC	\$200,000.00	
63	14	11935	New Deal	M	TX1520015	794	The project is to replace the deteriorated 6-inch Asbestos Cement line from the well field 3.3 miles northeast of the City with new 8-inch C-900 PVC or HDPE and to install a standpipe water storage tank in the southwest quadrant of the City. The new pipe will reduce the friction loss considerably compared to the existing line, as well as prevent leaks on the existing line. It will take approximately 18,000 linear feet of pipe to replace the deteriorated line. The standpipe will stabilize the water pressure in the southwest area of the City which is located on the west side of the interstate.	PDC	\$1,206,000.00		Yes-BC	\$692,000.00	
64	14	11881	114th Street Mobile Home Park	P	TX1520067	123	Installation of filter system for Arsenic and Fluoride removal.	PDC	\$200,000.00				
65	14	11950	Eastland	M	TX0670002	3,919	The proposed project will include the installation of new water lines to eliminate leaks and reduce water loss.	PDC	\$1,070,000.00	30%	Yes-BC	\$1,070,000.00	
66	14	11897	Roma	M	TX2140007	18,903	The City is addressing the need for a new regional water treatment plant (WTP) to serve its residents and businesses and fully comply with all water treatment regulations.	PADC	\$4,450,000.00	50%	Yes-BC	\$4,450,000.00	
67	14	12025	Waco	M	TX1550008	127,796	This project will implement advanced metering infrastructure and acoustic leak detection to the retail and wholesale customers of the City of Waco	C	\$15,000,000.00	30%	Yes-BC	\$15,000,000.00	
68	13	11954	Cranfills Gap	M	TX0180013	243	City proposes to replace broken or malfunctioning water meters within their CCN	PDC	\$220,550.00	50%	Yes-BC	\$130,500.00	

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<b>Public Water System</b>													
69	13	12026	Wharton	M	TX2410005	8,768	The City of Wharton is developing a 50 year Water Supply. This includes development of a new well field just across the Colorado River. This project will construct a new municipal water well and storage tank on the City Airport property, and construct the pumping system and pipeline to connect the new water well with the City's existing water supply system. The City will develop an asset management plan to use as a resource in all City water/sewer projects and planning purposes.	PADC	\$7,320,000.00	50%			
70	13	11951	Eagle Pass Water Works System	M	TX1620001	52,624	Expand WTP capacity, resize distribution lines and rehab storage tanks.	DC	\$52,593,351.00	30%			
71	13	11965	Covington	M	TX1090021	233	The City of Covington's ground storage tank (GST) is in poor condition, showing signs of leaking, and the tank foundation is eroding away. Replacement of the tank is vital to maintain system operation. As an emergency response, the City is constructing a temporary ground storage tank to serve as a stopgap until funding is available to construct a permanent replacement for the GST. In addition, the existing service pumps, electrical/controls, and piping at the service pump station are aging and have become unreliable. The City is pursuing implementation of the GST replacement and service pump station rehabilitation in order to maintain adequate service for the community.	PDC	\$825,500.00	50%	Yes-BC	\$70,000.00	
72	13	11859	Mount Calm	M	TX1090005	320	Due to the fact the well needing repair is the only water source for the city; it has been proposed to construct a new well of equal depth and size to replace the existing city well. This will eliminate electrical issues and repair costs, and maintain well production during construction.	DC	\$1,937,500.00	70%			
73	13	11891	Study Butte WSC	W	TX0220035	482	Replace waterlines, install pressure reducing valves, install well servicing rig to reduce downtime, install chemical storage facilities and building upgrades.	PDC	\$1,256,000.00	70%	Yes-BC	\$1,256,000.00	
74	13	11867	Joaquin	M	TX2100010	824	The proposed project seeks to replace broken/malfunctioning/unreliable water meters with AMR meters and also, identify (via water leak detection survey) and replace aged water mains that continue to cause excessive water loss.	PDC	\$2,745,000.00	70%	Yes-BC	\$2,745,000.00	

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<b>Public Water System</b>													
75	13	11949	Etoile WSC	W	TX1740011	1,974	Well #4, Aerator, Filters, Storage Tanks, Booster Pumps, Water Main, & Related Work to treat organics and reduce TTHM formation, and therefore reduce amount of water currently wasted flush distribution lines.	PADC	\$3,136,805.00				
76	12	11943	Gustine	M	TX0470003	496	The proposed project consists of constructing a new elevated storage tank.	PDC	\$550,000.00	30%	Yes-BC	\$270,000.00	
77	12	11988	Woodloch	M	TX1700112	836	Improvements to the Woodloch water plant including but not limited to the demolition of existing ground storage tank, installation of new booster pumps, yard piping, recoating, and controls. Also, the replacement of three old fire hydrants and installation of seven new fire hydrants.	PADC	\$200,000.00	70%			
78	12	11989	Woodloch	M	TX1700112	836	Replacement of the old hydropneumatic tank No. 2.	PADC	\$200,000.00	70%			
79	12	11990	Woodloch	M	TX1700112	836	Replacement of the old hydropneumatic tank.	PADC	\$200,000.00	70%			
80	12	12006	El Paso PSB	M	TX0710002	823,862	El Paso Water Utility proposed to construct a potable water system for the homes of the residents of the "Four Streets" section of the Canutillo Colonia, to bring fresh water that meets health standards. This Canutillo area's current "systems" are all privately owned. Testing has determined that there are cases of contamination of the local well water from area wastewater systems.	C	\$885,369.00	30%			
81	12	11992	Aurora	M	TX2490082	509	In order for the City of Aurora to have their own independent water system, they propose to drill a new 80 GPM well in the Trinity Aquifer, construct a 50,000 gallon elevated storage tank, 12-in. raw water line, treatment unit, 12-in. transmission line and telemetry. The City also plans to develop an asset management plan for this new groundwater system.	PDC	\$1,050,000.00				
82	12	11886	West Tawakoni	M	TX1160012	1,683	Construct new Water Intake Structure into deeper water. Per PER, a depth of +/-25 feet can be obtained by constructing the Intake at the proposed location. Develop Asset Management Plan.	PADC	\$1,489,022.00	50%			
83	11	11962	Beaver Creek WCID # 1	D		872	The existing privately owned water wells within the Beaver Creek WCID#1 (District) service area have been deemed a health nuisance by the Department of State Health Services. After completion of the EDAP Planning Program, the District proposes to construct a first time service water system in an effort to provide a source of safe drinking water to its residents.	C	\$6,486,462.00	70%			

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<b>Public Water System</b>													
84	11	12021	River Oaks	M	TX2200069	7,437	The majority of the city's water lines were installed in the 1940's and the 1950's that consisted mostly of cast iron, galvanized iron and asbestos cement. The lines are old and deteriorating that causes leaks and poor water quality due to the rust and corrosion associated with cast iron and galvanized piping. The City's water plan was upgraded back in 1993 and is in need of emergency water plan project to rebuild the Clarifier.	C	\$7,641,853.00		Yes-BC	\$7,641,853.00	
85	11	11941	Kellyville-Berea WSC	W	TX1580003	1,116	Construct a new public water supply well and create and implement an Asset Management Plan.	C	\$577,500.00	30%			
86	10	12003	Domino	M	TX0340041	79	To address the system deficiencies, the water tower will be repaired/painted and the southern loop to the water system will be added. In some areas the city has a new water line on one side of the road and an old line on the other. All houses will be placed on the newer lines.	DC	\$483,000.00				
87	10	12016	Melvin	M	TX1540003	178	The City will replace the pumps, and add necessary valves, meters and other fixtures, as well as the piping assembly in the pump station. The City will also replace distribution main throughout town.	PDC	\$200,000.00	30%			
88	10	12012	Loving WSC	W	TX2520006	200	Replace existing 2-inch and 1-inch pipelines with PVC piping. Replace one existing ground storage tank with new tank that matched height of remaining tank. Adjust height of 2nd hydrotank to match original tank.	PDC	\$706,000.00	50%			
89	10	11898	Parker County SUD	D	TX1840025	370	Material costs for 0.1 MG elevated storage tank to meet TCEQ storage requirements and reduce water loss.	PADC	\$1,110,000.00		Yes-BC	\$1,110,000.00	
90	10	11963	Buckholts	M	TX1660007	515	Water Meter Replacement	DC	\$196,000.00	70%	Yes-BC	\$119,000.00	
91	10	11873	Cross Plains	M	TX0300003	982	The City of Cross Plains proposes to replace undersized lines and loop dead end areas in their system.	PDC	\$1,200,000.00	30%			
92	10	11964	Combes	M	TX0310021	2,553	Storage Tank rehabilitation project, Waterline extension and water meter replacements.	DC	\$502,000.00	50%			
93	10	11985	Santa Rosa	M	TX0310009	2,873	Replace water meters city wide.	DC	\$322,500.00	50%			
94	10	11884	Willow Park	M	TX1840027	4,410	Replace existing waterlines in the project area with new PVC waterlines.	PDC	\$353,500.00		Yes-BC	\$353,500.00	
95	10	11863	Mathis	M	TX2050003	5,001	Replace undersized 2" waterlines with looped 8" water lines. The current system does not meet TCEQ Chapter 290 regulations for max. number of connections on a 2" water line and WTP improvements.	PDC	\$3,189,704.00	30%			

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<b>Public Water System</b>													
96	10	11874	Crockett	M	TX1130001	6,950	New high service pump station, ground storage tank and elevated tank.	PADC	\$2,800,000.00	70%			
97	10	11849	San Juan	M	TX1080010	24,166	Rehabilitate and upgrade existing plant to current standards.	C	\$6,975,000.00	30%			
98	10	11937	Marshall	M	TX1020002	32,433	Installation of new water mains, valves, and meters, upgrade of existing mains.	PDC	\$3,095,000.00	30%	Yes-BC	\$2,300,000.00	
99	6	11996	Buena Vista WS	P	TX0270008	315	Corix proposes an area-wide replacement of existing meters with an automatic meter reading system (AMR). Corix also proposed constructing a 10-inch pipeline to interconnect the system to the Corix Lake Buchanan Water System to address Buena Vista Water System's numerous TCEQ violations. Corix also plans to develop an asset management plan for this water system.	ADC	\$770,000.00		Yes-BC	\$50,000.00	
100	6	12019	FHLM Regional WSC	W	TX1550039	707	Pure WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Pure WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Pure WSC's average day demands; Pure WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$970,000.00		Yes-BC	\$970,000.00	



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<b>Public Water System</b>													
101	6	12009	FHLM Regional WSC	W	TX1550029	1,504	H&H WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve H&H WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet H&H WSC's average day demands; H&H WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$3,460,000.00		Yes-BC	\$3,460,000.00	
102	6	11852	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the east portion of the District's service area. Broken water lines in the service area caused disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00				
103	6	11853	Nueces Co WCID # 5	D	TX1780010	810	The project consists of looping existing waterlines to eliminate dead ends. The district's water distribution system has many dead end lines that jeopardize the water quality for its residents. Looping these waterlines will create better water circulation and eliminate stagnant water in the lines. The project will also include the installation of new flush valves for waterlines that cannot be looped within the existing system.	PDC	\$200,000.00				
104	6	11856	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the north portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00				

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<b>Public Water System</b>													
105	6	11857	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the installation of water meters in the service area, purchase of leak detection equipment and instrumentation, and preparation of an asset management plan. The leak detection equipment will assist the District during the asset management planning process and conditions assessment.	PDC	\$200,000.00				
106	6	12133	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the south portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00				
107	6	11854	Nueces Co WCID # 5	D	TX1780010	810	The project consists of the replacement of aged and undersized PVC and asphaltic concrete pipe (ACP) in the west portion of the District's service area. Broken water lines in the service area cause disruption for customers and results in increased water loss. New PVC distribution lines will be designed and constructed to reduce water loss, improve water pressure and distribution throughout the service area.	PDC	\$200,000.00				
108	6	11978	McAllen	M	TX1080006	140,000	The City of McAllen's South Water Treatment Plant utilizes two (2) treatment trains. The north Train is rated at 37 MGD. The south train is rated at 8 MGD. This project would expand capacity at the south treatment train by an additional 4 MGD. The project also includes the construction of an 18" - 24" Raw Water Supply Line.	C	\$6,800,000.00				
109	5	11887	Warren WSC	W	TX2290006	1,746	New AMR water meters.	PDC	\$271,500.00		Yes-BC	\$271,500.00	

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<b>Public Water System</b>													
110	4	12022	FHLM Regional WSC	W	TX1550042	2,250	Ross WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Ross WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Ross WSC's average day demands; Ross WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$4,635,000.00		Yes-BC	\$4,635,000.00	
111	4	12008	FHLM Regional WSC	W	TX1550028	3,033	Gholson WSC - FHLM WSC proposes to construct a regional groundwater system Falls, Hill, Limestone and McLennan Counties to serve Gholson WSC, as well as connect 12 other groundwater systems that participated in the TWDB-FHLM Regional Water Study. This regional project involves drilling a well field (2.54 MGD) in the southwest corner of Limestone County in outcrop of Carrizo-Wilcox Aquifer; constructing regional transmission lines, booster pump stations and ground storage tanks from the well field along FM-39 and Hwy. 84 to serve these entities. This regional supply would be used to meet Gholson WSC's average day demands; Gholson WSC's existing wells that exceed the arsenic MCL would only be used for their water demands greater than average day. FHLM WSC also plans to develop an asset management plan for this regional system.	PADC	\$5,040,000.00		Yes-BC	\$5,040,000.00	
112	3	11880	Alice	M	TX1250001	21,248	The first phase of this project is to replace at lease the 8-mile portion where the breaks have occurred.	PD	\$776,250.00		Yes-BC	\$698,625.00	
113	3	12057	Bluegrove WSC	W	TX0390014	75	Bluegrove WSC will replace its 4" main water line through town, replace antiquated meters, updated aging portions of the system. Bluegrove WSC will also purchase the land for its well field.	PADC	\$280,000.00				
114	3	11878	Bluegrove WSC	W	TX0390014	75	Bluegrove WSC will replace its 4" main water line through town as well as all necessary connections, valves and meter reconnections.	DC	\$200,000.00				

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<b>Public Water System</b>													
115	3	11947	Forsan	M	TX1140011	232	In order to restore the aging infrastructure to its proper function, the City is requesting funding to help replace the City's sole elevated storage tank (EST).	PDC	\$752,000.00				
116	3	11979	Mertzon	M	TX1180002	778	In the midst of the current historic ongoing drought, the City's water supply is rapidly running out of time. The City now only has five (5) functional groundwater wells (of the original eight), caused by continual pumping during the ongoing drought. The City has observed a steady decrease in production from its wells over the past several years, to the point that three of the original eight wells are essentially "dry" at this time. In order to support current water supply needs, the City of Mertzon is pursuing implementation of two major project components, including construction of a new supply well and a treatment system to address the City's groundwater quality issues.	PDC	\$2,364,000.00		Yes-BC	\$2,364,000.00	
117	3	11860	Midway ISD	D	TX0390020	981	Midway ISD will replace their water tank, renovated the main pump station and drill another well to increase water production. The main water lines will also be replaced as well as necessary connections, valves and service reconnections.	DC	\$199,500.00				
118	3	11986	Valley Mills	M	TX0180003	1,207	In order to restore the aging infrastructure to its proper function, the City is requesting funding to help address the aging and inefficient distribution system.	PDC	\$3,677,000.00		Yes-BC	\$3,677,000.00	
119	3	11980	Raywood WSC	W	TX1460006	1,455	Replace existing water meters with new automatic read meters.	PDC	\$236,100.00		Yes-BC	\$236,100.00	
120	3	11858	North Runnels Co WSC	W	TX2000005	2,256	Replace meters with AMR system.	PDC	\$500,000.00		Yes-BC	\$500,000.00	
121	3	12011	Haskell	M	TX1040001	3,235	Replace existing water meters with an automatic meter reading (AMR) system.	PDC	\$900,000.00		Yes-BC	\$900,000.00	
122	3	11953	D & M WSC	W	TX1740010	4,740	Correct insufficient water production, insufficient water storage capacity, insufficient pump and pressure vessel capacity, and lack of asset management plan.	PDC	\$1,210,435.00		Yes-BC	\$125,000.00	
123	3	11966	D & M WSC	W	TX1740010	4,740	Insufficient water production and lack of an Asset Management Plan.	PDC	\$1,490,000.00				
124	2	11899	Palo Pinto WSC	W	TX1820004	347	Replacing existing distribution lines which cause significant water loss and water outages.	PDC	\$1,469,000.00		Yes-BC	\$1,469,000.00	
125	1	12007	Eldorado	M	TX2070001	1,925	Replace existing meters with an AMR metering system.	PDC	\$775,000.00		Yes-BC	\$775,000.00	
126	1	11942	Harris Co FWSD # 47	D	TX1010260	2,434	Replace old waterline with Class 150 c-900 PVC, installation of new AMR to help identify leaks.	PDC	\$5,581,670.00		Yes-BC	\$5,581,670.00	

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<b>Public Water System</b>													
127	1	11956	Brookesmith SUD	D	TX0250004	12,697	Replace old water lines.	PDC	\$2,531,000.00		Yes-BC	\$2,531,000.00	
128	1	11959	Blooming Grove	M	TX1750001	833	Construct a new water supply well and ground storage tank and create and implement an Asset Management Plan	PDC	\$1,315,000.00				
129	1	11875	Cottonwood Shores	M	TX0270013	1,123	Replace existing aged .5 MGD water treatment plant with .5 MGD new water treatment plant equipment. High service pumps. Upgrade raw water pumps and automatic controls at quarry site.	PDC	\$3,817,000.00		Yes-BC	\$70,000.00	
130	1	12010	Harris Co MUD # 167	D	TX1012842	15,000	Installation of "smart" water meters to meet the district goals of water efficiency goals. This would include the preparation of an asset management plan.	C	\$2,000,000.00		Yes-BC	\$2,000,000.00	
131	1	11969	Ennis	M	TX0700001	19,331	Water line replacements in downtown Ennis and create and implement an Asset Management Plan.	PDC	\$4,318,960.00		Yes-BC	\$4,318,960.00	
132	0	11999	Comanche County WSC	W	TX0740027	120	Installation of an AMR metering system.	PDC	\$325,000.00		Yes-BC	\$325,000.00	
133	0	11851	Ralston Acres WSC	W	TX1010196	350	Update system and move mains from private back yards to the public streets.	PADC	\$1,490,000.00				
134	0	11944	Graford	M	TX1820003	830	Replace existing water lines.	PADC	\$430,000.00		Yes-BC	\$430,000.00	
135	0	11864	Magnolia	M	TX1700020	1,547	Construct new plant site to include new water well, ground storage tank, elevated storage tank, booster pump station, generator, and all related yard piping. Construct transmission line to tie new plant site into the system. Replace existing ground storage tank at Well No. 1 site.	PAD	\$845,697.00				
136	0	11870	Greater Texoma UA	D	TX0490016	1,906	Replace asbestos cement pipe with polyethylene pipe (2.2 miles).	PDC	\$11,418,091.00				
137	0	11896	Royalwood MUD	D	TX1010201	1,982	Update and Modernize Existing Water Plants	PDC	\$1,389,850.00		Yes-BC	\$375,695.00	
138	0	11893	Santo SUD	D	TX1820010	2,024	Make an interconnect with Parker Co SUD to obtain treated water.	PADC	\$778,000.00				
139	0	12028	Chandler	M	TX1070006	2,783	New Ground Storage, high service pump station, and disinfection system to serve water well No. 4.	PDC	\$782,500.00				
140	0	11938	Liberty	M	TX1460003	8,397	Rehabilitate well site including the replacement or rehabilitation of well and distribution pumps, well casing/screening and ground storage tank.	C	\$2,866,250.00				
141	0	11939	Liberty	M	TX1460003	8,397	Construct a 150,000 gallon elevated tank in the vicinity of the low pressure to offset the losses due to higher elevations in this area.	C	\$1,430,000.00				

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<b>Public Water System</b>													
142	0	12056	Liberty	M	TX1460003	8,397	Extend or enlarge existing waterlines to provide service to additional areas within the city limits and install booster pump stations to improve pressure between water planes.	C	\$6,311,500.00				
143	0	11975	Hutto	M	TX2460007	14,728	Replace approximately 2,700 linear feet of aging waterlines made of substandard materials along Live Oak Street.	PADC	\$965,233.00				
144	0	11973	Hutto	M	TX2460007	14,728	Installation of an 8" waterline along 7,500 ft on Front Street.	DC	\$782,000.00				
145	0	11974	Hutto	M	TX2460007	14,728	Install three drinking water lines to service communities and school with current low flow.	PADC	\$4,651,522.00				
146	0	11968	Ennis	M	TX0700001	19,331	Failing waterlines with insufficient valving. Frequent breakage causes loss of service, risk of system contamination, and significant water loss.	PDC	\$7,248,280.00				
147	0	12055	Edinburg	M	TX1080004	77,100	Expansion of the West WTP from 8.0MGD to 16MGD, an expansion of 8.0MGD, will provide a total treatment capacity of 25.99MGD with a required treatment capacity of 17.64MGD. The production capacity will be at 67.8%. The expansion will also include a 2.0MGD clearwell/ground storage tank.	PDC	\$5,279,965.00				
148	0	11894	San Antonio Water System	M	TX0150018	1,659,593	This project includes the replacement of electrical switchgear, replace the chlorine gas system with on-site sodium hypochlorite generation system, upgrade the fluoridation equipment, and replace valves and yard piping.	C	\$14,668,080.00				
149	0	11983	San Antonio Water System	M	TX0150018	1,659,593	Zarzamora and LaRosa Pump Station Upgrade.	C	\$7,105,000.00				
150	0	12001	Dallas	M	TX0570004	2,493,030	DWU's water main replacement program for rehabilitation or replacement of approximately 40 miles of small diameter water mains annually. The goal has been established in an effort to reduce main breaks throughout the system; thereby reducing maintenance costs, water losses and impacts to the public.	DC	\$220,000,000.00				
151	12	12159	Rio Grande City	M	TX2140018	25,023	Replace 150,000 gallon elevated storage tank that is not in current compliance with TCEQ rules and regulations.	PADC	\$1,615,000.00	30%			
152	15	12158	Craft-Turney WSC	W	TX0370016	5,064	1. The system is growing and must plan for increasing water production, distribution and storage capacity.  2. The WSC lacks an Asset Management Plan	PADC	\$1,232,500.00				

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<b>Public Water System</b>													
153	13	12165	Brazos Regional Public Utility Agency	D	TX1110100	72,039	The proposed Phase VI improvements projects at the SWATS facility will consist of the second replacement of an existing 1.5 MGD RO train with another new 4.2 MGD RO train. While the Phase IV improvements project included replacement of one original RO train with a new larger 4.2 MGD train, redundancy for firm capacity under Phase IV will apply only if one of the smaller RO trains is taken off-line for cleaning, maintenance, or repair. Under this project the addition of a second 4.2 MGD RO train will provide firm capacity under all operating conditions with either a small RO train offline for maintenance or one of the larger RO trains offline for maintenance. The net increase in RO system capacity will also allow for increased production from the SWATS facility (pending installation of additional UF trains in the future), and for increased operational flexibility, consistently meeting finished water quality goals even under rising raw water chloride conditions in Lake Granbury. The prod	PDC	\$6,466,000.00				
154	13	12164	Brazos Regional Public Utility Agency	D	TX1110100	72,039	With the proposed improvements included in the Phase V project, BRPUA intends to further increase the maximum production capability from the SWATS facility under all raw water conditions. The proposed improvements will include upgrades at the existing raw water pump station, upgrades to the membrane filtration system to increase UF filtrate production capacity, as well as ancillary support system improvements to prepare for an additional production capacity in later phases. The proposed UF improvements in this phase will result in buildout conditions for capacity within the existing five UF trains, but will also result in freeing up space within the membrane building where the UF feed pumps and strainers were previously located, which will allow for the addition of up to three additional UF trains in the membrane building in the future for additional SWATS facility production capacity.	PDC	\$6,116,000.00				



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<b>Public Water System</b>														
155	13	12163	Brazos Regional Public Utility Agency	D	TX1110100	72,039	BRPUA proposes to expand and upgrade the existing RO system at the SWATS facility under the proposed Phase IV improvements project. As a part of the recent master plan development for the SWATS facility, it was determined that the existing RO system could be expanded in place. The existing RO system consists of five two-stage RO trains with the first four RO trains being constructed in 2001 and the fifth RO train being constructed in 2009. Since the original four RO trains have multiple obsolete components and additional capacity is required above the existing 1.5 MGD RO capacity per train, it is recommended that in this phase RO Train No. 1 be replaced with a new 4.2 MGD RO train, which will not only increase total RO system capacity but will also increase firm system capacity to allow the BRPUA to produce its maximum RO system capacity even when conducting a CIP clean for one of the smaller RO trains. The proposed increase in RO system capacity will also increase BRPUA's capability i	PDC	\$7,384,000.00					
156	13	12162	Brazos Regional Public Utility Agency	D	TX1110100	72,039	Under the proposed Phase III project at the SWATS facility, BRPUA intends to implement an expansion of the new pretreatment system which will replace the original pretreatment clarifiers at the facility. The goal of the Phase III improvements is to complete the upgrade to a new advanced pretreatment technology which will both maximize the amount of water the membrane system can produce as well as maximizing the life of membrane filter modules due to the significantly lower settled water turbidity produced by the new advanced pretreatment system as compared to the original treatment clarifier performance. With the completion of the Phase III improvements, BRPUA will be able to utilize solely the new advanced pretreatment system to operate both the membrane systems and the conventional filtration system at the facility corresponding to the buildout potential of the membrane filtration and membrane treatment systems.	PDC	\$5,815,000.00					

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<b>Public Water System</b>													
157	13	12161	Brazos Regional Public Utility Agency	D	TX1110100	72,039	Under the proposed Phase II improvements project at the SWATS facility, BRPUA intends to implement improvements to the existing membrane filtration, membrane treatment and chemical feed systems. The goal of the Phase II improvements is to improve operation and maintenance flexibility for the membrane filtration and membrane treatment systems, reducing downtime due to completing chemical clean-in-place (CIP) cleaning procedures as well as neutralization procedures required to clean the existing ultrafiltration (UF) and reverse osmosis (RO) membrane systems at the SWATS facility. The proposed Phase II improvements will also include upgrades to the ancillary support systems (such as flushing and CIP cleaning) to support later phases of improvements of the facility.	PDC	\$5,786,000.00				
158	13	12160	Brazos Regional Public Utility Agency	D	TX1110100	72,039	For the proposed Phase I Improvements Project at the SWATS facility, BRPUA intends to implement improvements to the existing pretreatment system, with the goal of transitioning away from lime and ferric pretreatment, as well as increasing pretreatment capacity to enhance overall SWATS facility capacity under typical raw water conditions. The proposed pretreatment improvements in this phase will give BRPUA the ability to augment the existing pretreatment capacity. However, the existing pretreatment system will not be a replacement of the original pretreatment system in its entirety until the completion of the proposed Phase III project.	PDC	\$6,650,000.00				
159	0	12168	Whitewater Springs WSC	W	TX0270124	140	The project consists of the design, permitting, and construction of the following improvements: Public Water Supply Well No. 4, with a target production capacity of 40 gpm; 10,000-gallon ground storage tank; water disinfection system; high service pumps with a combined 200 gpm; and 100-feet of water transmission to connect pumping plant to existing water transmission system.	ADC	\$469,731.00				
160	3	12174	Crystal Clear SUD	D	TX0940015	15,300	CCSUD improvement projects allow the district to combine existing pressure zones, eliminate aging infrastructure, provide cost savings on operation and maintenance cost, develop redundancy within the system, increase transmission lines throughout the system, and stay in compliance with TCEQ rules and regulations.	DC	\$17,144,960.00				

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<b>Public Water System</b>													
161	3	12175	Granbury	M	TX1110001	11,193	The City's Water Distribution System needs to be upgraded to adequately distribute the increased water capacity at the City's expanded Water Treatment Plant.	PADC	\$15,100,000.00				
162	0	12176	Central Washington Co WSC	W	TX2390055	2,553	New water well, new standpipe (storage and delivery pressure), and distribution system upgrade.	PADC	\$2,500,000.00				
163	40	12177	Blanco	M	TX0160002	1,739	Refurbish and modernize the WT process while treating THM concentration issues, flood proofing/raising facilities above 100 year flood event level, obtain new TCEQ discharge permit, and demolish abandoned components. Improvements would begin at the raw water pump station and continue throughout the treatment process which ends with the on-site 500,000 ground storage tank.	PDC	\$3,259,140.00				
164	0	12178	Woodbranch Village	M	TX1700304	1,345	Ground storage and pump station.	PADC	\$1,480,000.00				
165	0	12185	Mustang SUD	D	TX0610036	37,590	The proposed project consists of the construction of a 1.0 MG spheroid elevated storage tank. This storage tank will provide elevated storage for Mustang SUD's water customers. The project also includes yard piping to connect the tank to the distribution system and site improvements.	C	\$3,512,300.00				
166	4	12186	Corpus Christi	M	TX1780003	320,435	New pipeline and pump station that transports water from a new intake structure on the Colorado River near Bay City, Texas, to the West Delivery System south of Lake Texana.	C	\$50,000,000.00				
167	10	12187	Spring Creek Circle WSC	W	TX2200115	54	We need some items for the well house and need to catch up on some payments to the water operator and the lab.	C	\$7,555.51				
168	174	12190	Ranger	M	TX0670004	2,921	Replace iron pipe water lines with PVC pipe. Replace service meters with AMR meters. Replace household service lines. Add a ground storage tank and pump station. Add disinfection improvements.	PADC	\$14,000,000.00	70%	Yes-BC	\$13,440,000.00	
169	5	12194	Greater Texoma UA	D	TX0610007	4,157	Construction of a new water well and appurtenances	PADC	\$1,198,044.00				
170	0	12213	Booker	M	TX1480001	1,516	The existing waterline is old, and the steady need of spot repairs has increased over the years. By installing new mains, the city can address these ongoing maintenance issues.	DC	\$442,042.00				
171	10	12215	Dickens	M	TX0630001	267	Replace existing water storage facility (standpipe) with 2 ground storage tanks and appurtenances. It is not feasible to repair the existing standpipe.	PDC	\$729,200.00	50%			
172	23	12216	Ladonia	M	TX0740004	621	New water distribution lines. Rehabilitate existing tank and re-coat with modern coating system.	C	\$3,121,000.00	70%			

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<b>Public Water System</b>													
173	0	12217	High Point WSC	W	TX1290016	4,000	The proposed project consists of removal of the existing storage tanks at both the pump stations and replacing with new tanks, and re configuring the pump stations.	DC	\$3,354,000.00				
174	15	12220	Ropesville	M	TX1100004	358	Water treatment or purchase water from nearby community.	PADC	\$1,257,500.00	50%			
175	10	12222	Cotulla	M	TX1420001	5,262	Rehabilitate pump stations, additional storage, new production well and waterline replacement	PADC	\$5,540,000.00	30%			
176	0	12223	Smithville	M	TX0110003	3,890	Proposed project is the construction of a 16 inch water line extension to serve the City of Smithville Airport property. The project will included approximately 3800 linear feet of 16 inch water line, valves, fire hydrants and other appurtenances.	PDC	\$449,000.00				
177	0	12224	Rosebud	M	TX0730003	1,415	The City proposes to replace broken and/or malfunctioning water meters within their CCN with meters to prevent the water loss and to ensure the safety and well being of its customers. The City intends to prepare their asset management plan with assistance from TCEQ's FMT contractor.	PDC	\$766,100.00		Yes-BC	\$520,000.00	
178	4	12225	Arlington	M	TX2200001	373,162	Upgrade Lake Arlington Raw Water Pump Station to supply firm capacity of 162MGD	PDC	\$20,330,000.00		Yes	\$20,330,000.00	
179	11	12227	Ramirez Common School District	D	TX0660024	50	The Ramirez Common School District is in URGENT NEED of a new PUBLIC WATER SUPPLY for the health and safety of its staff and students. Historically, potable water was provided to the school from the 150' well at the church across the road, but recent samples have tested positive for coliforms, E. Coli, and unsafe levels of arsenic. For this isolated population, the development of a public water well is required by state law, and will involve land acquisition, water source protection, a source (construction of the well and other elements), transmission, storage, treatment, and other expenses based on an AWW A design.	PADC	\$445,750.00	70%	Yes-BC	\$26,300.00	
180	4	12228	Del Rio	M	TX2330001	38,710	Replacement of undersized, aging water distribution pipelines.	PDC	\$72,872,578.00				
181	4	12233	Arlington	M	TX2200001	373,162	Install two new 6MG clearwells and replace pump station	PDC	\$52,410,000.00		Yes-BC	\$52,410,000.00	
182	4	12234	Arlington	M	TX2200001	373,162	Electrical system upgrades at the John F. Kubala WTP and Pierce-Burch WTP	PDC	\$30,235,000.00		Yes-BC	\$30,235,000.00	

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<b>Public Water System</b>													
183	22	12235	Kemp	M	TX1290004	1,256	The City of Kemp's raw water pump stations are in need of rehabilitation due to equipment failures and poor raw water quality, the water treatment plant is in need of major repairs and updates to improve treated water quality, and the drinking water distribution system has a long history of breakages and is in need of rehabilitation for better system reliability.	DC	\$6,500,000.00	70%	Yes-BC	\$1,362,099.00	
184	0	12236	Bluff Dale WSC	W	TX0720036	267	Drill a second well to comply with the 85% production capacity rule.	DC	\$313,900.00				
185	3	12237	Abilene	M	TX2210001	126,291	The City is proposing to replace 40,000 meters with AMR meters and an AMI system.	PDC	\$14,120,000.00		Yes-BC	\$14,120,000.00	
186	2	12238	River Acres WSC	W	TX1780013	2,149	The project entails the replacement of old lines, valves, service lines, water meters, and hydrants, with new infrastructure, that includes the installation of nearly nine (9) miles (46,034 linear feet ) of new PVC water lines, gate valves, hydrants, service connections, automated meter (AMR) systems including reconciliation hardware and software. The RAWS water distribution system first went to into service in the mid- 1960s and has grown to just under 800 service connections serving a population of approximately 2,000 people. Due to its age, it is experiencing infrastructure failure. The oldest part of the system is experiencing water leaks on a regular basis due to the aging infrastructure. These leaks are resulting in substantial water losses, down-time by system personnel from competing their daily routines as they are dealing with the repairs, and as a result is costing RAWS excess expenses that could be otherwise utilized for other public an system enhancement projects. As such	C	\$6,500,000.00		Yes-BC	\$6,500,000.00	
187	3	12239	Bandera	M	TX0100012	1,207	Construction of new water tower and ground storage to come into compliance with TCEQ enforcement order.	ADC	\$2,570,000.00				
188	3	12240	Eldorado	M	TX2070001	1,951	Design and construction of a new 100,000 gallon overhead water tower on property owned by the City of Eldorado, decommission the existing 50,000 gallon overhead tank, extend a 6" water line to connect the distribution system to the existing 50,000 gallon overhead tank in the north of town, install a new SCADA system.	PDC	\$1,200,000.00				

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<b>Public Water System</b>													
189	20	12515	Evadale WCID # 1	D	TX1210011	963	Evadale WCID #1 has a deteriorated water storage tank and deteriorated distribution lines. The WCID also plans to expand water service to match their existing sanitary sewer service area. The addition of a new water production facility and replacement of the existing storage tank and distribution lines will allow them to serve the additional customers with reduced real water loss due to leaks and breaks.	PADC	\$2,910,600.00		Yes-BC	\$200,000.00	
190	0	12516	Nevada SUD	D	TX0430053	2,937	The SUD proposes to increase elevated and ground storage capacity, add back-up generators and upgrade existing SCADA controls.	PDC	\$1,486,500.00				
191	0	12522	Val Verde Co WCID Comstock	D	TX2330003	250	Replacement of a 45K bolted steel ground storage tank.	PAC	\$91,000.00				
192	0	12524	Cypress Creek UD	D	TX1010430	2,707	Waterline replacement for aged infrastructure throughout the system.	PDC	\$1,995,000.00				
193	0	12528	Bear Creek SUD	W	TX0430037	6,842	The existing Pump Station #1 will be replaced with a new pump station building and new concrete ground storage tank. The site will allow for future pumping and storage capacity.	C	\$4,200,000.00				
194	0	12531	Greater Texoma UA	D	TX0430008	9,503	Water system improvement projects to include two (2) 4.0 MG ground storage tanks, two (2) 4 MGD pumps, three (3) 7 MGD pumps, approximately 1,000 LF of 24-inch water line, and all other appurtenances as necessary to construct projects.	PADC	\$16,342,295.00				
<b>Public Water System Total</b>		<b>194</b>							<b>\$1,324,611,046.36</b>	<b>67</b>	<b>83</b>	<b>\$445,301,052.00</b>	
<b>Total</b>		<b>194</b>							<b>\$1,324,611,046.36</b>	<b>67</b>	<b>83</b>	<b>\$445,301,052.00</b>	

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

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