



9

Infrastructure Financing



This page intentionally left blank.

9 Infrastructure Financing

9.1 Introduction

Senate Bill 2 (77th Texas Legislature) requires that an Infrastructure Financing Report (IFR) be incorporated into the regional water planning process. In order to meet this requirement, each regional water planning group (RWPG) is required to examine the funding needed to implement the water management strategies and projects identified and recommended in the planning area's 2016 regional water plan.

9.2 Objectives of the Infrastructure Financing Report

The primary objective of the Infrastructure Financing Report is to determine the financing options proposed by political subdivisions to meet future water infrastructure needs (including the identification of any State funding sources considered).

9.3 Methods and Procedures

For the Brazos G Regional Water Planning Area, all municipal water user groups and wholesale water providers having water needs and recommended water management strategies with an associated capital cost in the initially prepared regional plan were surveyed using the questionnaire provided by the TWDB (Exhibit 9-A). Individual municipalities and wholesale water providers were provided a link to complete the survey online through the Brazos G website.

For each project with an identified capital cost, the survey respondents were asked to enter only the amounts that they wish to receive from the TWDB program listed below:

- **Planning, Design, and Permitting:** Costs were entered into this category if the entity wanted to participate in the TWDB programs offering subsidized interest and deferral of principal and interest for planning, design, and permitting costs.
- **Construction Funding:** Costs were entered into this category if the entity wants to obtain subsidized interest for all construction costs, including planning, design, and construction.
- **State Participation:** Percentages of costs were entered into this category if the entity wanted to participate in the State Participation Program. State Participation funding offers partial interest and principal deferral for the incremental cost of project elements which are designed and built to serve needs beyond 10 years.

9.4 Survey Responses

The Brazos G RWPG sent letters to 64 municipal water user groups and wholesale water providers and as of November 15, 2015, had received 11 responses, a 17 percent response rate. In addition to the surveys that were returned, a number of other WUGs and WWP's provided feedback and questions about the survey but have not returned their survey. Limited feedback indicated that there was concern that the survey

information could commit the entity into a certain financing strategy for water management strategies projected to come online more than 20 years from today.

As shown in Table 9-1, the 11 responses represent about 20 percent of the estimated capital costs of water management strategies included in the 2016 Brazos G Plan. Of those responding, for which total capital costs are \$3,330,118,675, the survey shows that approximately \$646 million would be sought through the state participation programs. It is also important to note that it is unclear how the remaining 80 percent of the capital costs for those entities not responding would be financed. Note that these survey results represent responses to recommended water management strategies with capital costs as included in the initially prepared plan.

Table 9-1. Summary of Responses to the Infrastructure Financing Survey*

Sponsor	Project Name	Capital Cost	Planning, Design, Permitting and Acquisition		Construction	
			Funding Amount	Year	Funding Amount	Year
ABILENE	BRUSH CONTROL	\$7,532,000	not to be funded by State Programs			
ABILENE	CEDAR RIDGE RESERVOIR	\$290,868,000	\$99,700,000	2023	\$191,168,000	2025
ABILENE	WTP EXPANSION (23.2 MGD)-ABILENE	\$48,257,000	\$13,720,000	2018	\$34,537,000	2020
AQUILLA WSD	LAKE AQUILLA AUGMENTATION-A	\$5,714,856	NA	NA	NA	NA
BARTLETT	TRINITY AQUIFER DEVELOPMENT-BARTLETT	\$10,428,000	No Response			
BELL COUNTY WCID #1	BELL COUNTY WCID #1- NORTH REUSE	\$12,146,000	No Response			
BELL COUNTY WCID #1	BELL COUNTY WCID #1- SOUTH REUSE	\$6,529,000	No Response			
BELL-MILAM FALLS WSC	EAST WILLIAMSON COUNTY WATER PROJECT	\$2,808,467	Removing strategy from WUG			
BELLMEAD	REUSE- BELLMEAD/ LACY-LAKE	\$5,768,000	No Response			
BETHESDA WSC	BETHESDA WSC - CONNECT TO AND PURCHASE WATER FROM ARLINGTON Q-184	\$18,698,000	No Response			
BETHESDA WSC	CONSERVATION, WATER LOSS CONTROL - BETHESDA WSC	\$139,100	No Response			
BISTONE MWSD	CARRIZO (BRAZOS) DEVELOPMENT-BISTONE MWSD	\$22,689,000	No Response			
BRANDON-IRENE WSC	CONSERVATION, WATER LOSS CONTROL - BRANDON-IRENE WSC	\$98	\$0	NA	\$0	NA
BRAZOS RIVER AUTHORITY	BELTON TO STILLHOUSE PIPELINE-BRA	\$38,069,000	No Response			
BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATION-MAIN STEM	\$23,581,674	No Response			
BRAZOS RIVER AUTHORITY	BRA SYSTEM OPERATIONS-LITTLE RIVER	\$23,581,674	No Response			
BRAZOS RIVER AUTHORITY	CHLORIDE CONTROL PROJECT-BRA	\$172,652,000	No Response			



Table 9-1. Summary of Responses to the Infrastructure Financing Survey*

Sponsor	Project Name	Capital Cost	Planning, Design, Permitting and Acquisition		Construction	
			Funding Amount	Year	Funding Amount	Year
BRAZOS RIVER AUTHORITY	LAKE AQUILLA REALLOCATION- BRA	\$21,887,000	No Response			
BRAZOS RIVER AUTHORITY	LAKE GRANGER ASR	\$99,820,000	No Response			
BRAZOS RIVER AUTHORITY	LITTLE RIVER OCR-BRA	\$487,611,000	No Response			
BRECKENRIDGE	WEST CENTRAL BRAZOS WATER DISTRIBUTION SYSTEM	\$8,308,142	No Response			
BRUSHY CREEK MUD	EDWARDS AQUIFER DEVELOPMENT- BRUSHY CREEK MUD	\$182,000	\$0	NA	\$0	NA
BRYAN	CARRIZO-WILCOX DEVELOPMENT- BRYAN	\$24,569,609	\$4,000,000	2045	\$20,000,000	2050
BRYAN	REUSE- BRYAN (OPTION 1)	\$8,989,000	\$1,200,000	2017	\$7,700,000	2020
BRYAN	REUSE- MIRAMONT	\$2,544,000	\$350,000	2016	\$2,194,000	2018
BRYAN	BRYAN ASR (CARRIZO/WILCOX)	\$57,328,000	\$8,000,000	2017	\$49,000,000	2019
BURLESON	BURLESON - INCREASE DELIVERY INFRASTRUCTURE TO PURCHASE ADDITIONAL WATER FROM FORT WORTH Q-186	\$21,780,000	No Response			
BURLESON	CONSERVATION, WATER LOSS CONTROL - BURLESON	\$37,638	No Response			
CEDAR PARK	BRUSHY CREEK RUA WATER SUPPLY	\$69,665,771	\$20,899,731	2016	\$48,766,040	2017
CEDAR PARK	MUNICIPAL CONSERVATION - CEDAR PARK	\$238,695	\$0	NA	\$0	NA
CENTRAL TEXAS WSC	EAST WILLIAMSON COUNTY WATER PROJECT	\$11,233,867	No Response			
CHILDRESS CREEK WSC	BOSQUE COUNTY-RWSP	\$22,372,000	No Response			
CHILDRESS CREEK WSC	TRINITY WELL REHAB-CHILDRESS CREEK WSC	\$15,000	No Response			
CLEBURNE	REUSE- CLEBURNE	\$14,059,000	No Response			
CLEBURNE	LAKE AQUILLA AUGMENTATION-A	\$73,912,144	No Response			
COLLEGE STATION	COLLEGE STATION ASR (REUSE)	\$63,850,000	No Response			
COLLEGE STATION	REUSE-COLLEGE STATION	\$1,705,000	No Response			
COLLEGE STATION	YEGUA-JACKSON DEVELOPMENT- COLLEGE STATION	\$32,957,000	No Response			
CRESSON	CONSERVATION, WATER LOSS CONTROL - CRESSON	\$5,210	No Response			
CRESSON	CRESSON - NEW WELL IN TRINITY AQUIFER Q-170	\$917,300	No Response			

Table 9-1. Summary of Responses to the Infrastructure Financing Survey*

Sponsor	Project Name	Capital Cost	Planning, Design, Permitting and Acquisition		Construction	
			Funding Amount	Year	Funding Amount	Year
CRESSON	TRINITY AQUIFER DEVELOPMENT- CRESSON	\$771,000	No Response			
CROSS COUNTRY WSC	INTERCONNECT FROM WACO TO CROSS COUNTRY WSC	\$2,579,000	No Response			
FILES VALLEY WSC	CONSERVATION, WATER LOSS CONTROL - FILES VALLEY WSC	\$2,010	No Response			
FLORENCE	EDWARDS AQUIFER DEVELOPMENT- FLORENCE	\$218,000	No Response			
FLORENCE	TRINITY AQUIFER DEVELOPMENT (BELL CO.)- FLORENCE	\$3,778,000	No Response			
GEORGETOWN	EXPAND WTP (21 MGD)- GEORGETOWN	\$44,534,000	\$8,906,800	2017	\$35,627,200	2020
GODLEY	WOODBINE AQUIFER DEVELOPMENT- GODLEY	\$375,000	No Response			
GRANGER	EAST WILLIAMSON COUNTY WATER PROJECT	\$1,003,024	No Response			
GROESBECK	GROESBECK OCR- GROESBECK	\$11,909,000	No Response			
HARKER HEIGHTS	INTERCONNECT FROM KILLEEN TO HARKER HEIGHTS	\$2,580,000	No Response			
HEWITT	REUSE- BULLHIDE CREEK	\$7,541,000	No Response			
JARRELL	EAST WILLIAMSON COUNTY WATER PROJECT	\$501,512	No Response			
JAYTON	NEW WTP(0.4 MGD)-JAYTON	\$3,537,000	No Response			
JOHNSON COUNTY SUD	CONSERVATION, WATER LOSS CONTROL - JOHNSON COUNTY SUD	\$4,470	No Response			
JOHNSON COUNTY SUD	JOHNSON COUNTY SUD - CONNECT TO PURCHASE WATER FROM GRAND PRAIRIE Q-188	\$86,140,000	No Response			
JONAH WATER SUD	EAST WILLIAMSON COUNTY WATER PROJECT	\$15,045,357	No Response			
LEANDER	BRUSHY CREEK RUA WATER SUPPLY	\$142,186,421	No Response			
LIBERTY HILL	BRUSHY CREEK RUA WATER SUPPLY	\$3,554,660	No Response			
MARLIN	BRUSHY CREEK RESERVOIR- MARLIN	\$20,836,000	No Response			
MART	INTERCONNECT FROM WACO TO MART	\$5,617,000	No Response			
MART	INTERCONNECT FROM WACO TO NORTH BOSQUE	\$4,406,000	No Response			
MINERAL WELLS	CONSERVATION, WATER LOSS CONTROL - MINERAL WELLS	\$6,389	\$6,389	2018	\$0	NA
MULTI-COUNTY WSC	CORYELL COUNTY OCR-BRA	\$42,246,000	No Response			

Table 9-1. Summary of Responses to the Infrastructure Financing Survey*

Sponsor	Project Name	Capital Cost	Planning, Design, Permitting and Acquisition		Construction	
			Funding Amount	Year	Funding Amount	Year
NORTH CENTRAL TEXAS MUNICIPAL WATER AUTHORITY	MILLERS CREEK AUGMENTATION-NCTWA	\$74,399,000	No Response			
PALO PINTO MWD #1	TURKEY PEAK RESERVOIR	\$71,988,000	\$17,100,000	2015	\$70,100,000	2018
PARKER WSC	WOODBINE AQUIFER DEVELOPMENT-PARKER WSC	\$1,128,000	No Response			
RIO VISTA	WOODBINE AQUIFER DEVELOPMENT-RIO VISTA	\$753,000	No Response			
ROBINSON	EXPAND WTP(4MGD)-ROBINSON	\$13,153,000	No Response			
ROUND ROCK	MUNICIPAL CONSERVATION - ROUND ROCK	\$36,147	No Response			
ROUND ROCK	BRUSHY CREEK RUA WATER SUPPLY	\$102,994,808	No Response			
STEPHENS REGIONAL SUD	WEST CENTRAL BRAZOS WATER DISTRIBUTION SYSTEM	\$6,042,286	No Response			
SWEETWATER	INTERCONNECT FROM ABILENE TO SWEETWATER	\$13,036,000	\$1,500,000	2018	\$11,536,000	2020
THROCKMORTON	THROCKMORTON RESERVOIR-THROCKMORTON	\$28,041,000	No Response			
THROCKMORTON	WEST CENTRAL BRAZOS WATER DISTRIBUTION SYSTEM	\$2,915,403	No Response			
TOLAR	TRINITY WELL REHAB- TOLAR	\$20,000	No Response			
TRI-COUNTY SUD	CARRIZO-WILCOX DEVELOPMENT-TRI-COUNTY SUD	\$1,445,000	No Response			
UPPER LEON MWD	TRINITY AQUIFER DEVELOPMENT-UPPER LEON (FROM PECAN ORCHARD)	\$5,347,000	No Response			
VENUS	CONSERVATION, WATER LOSS CONTROL - VENUS	\$740	No Response			
WACO	MCLENNAN COUNTY ASR (WACO)	\$43,940,000	No Response			
WACO	REUSE- FLAT CREEK	\$9,371,000	No Response			
WELLBORN SUD	EXPAND WTP (4MGD)- WELLBORN SUD	\$13,153,000	No Response			
WEST BRAZOS WSC	CARRIZO AQUIFER DEVELOPMENT-WEST BRAZOS WSC	\$2,752,000	No Response			
Total		\$3,300,118,675	\$175,382,920		\$470,628,240	

*Note: The survey responses presented are related to water management strategies and capital costs included in the Initially Prepared 2016 Plan. As a result of public and agency comments on the Initially Prepared 2016 Plan, some strategies and capital costs have been modified in the final 2016 Plan, and those changes are not necessarily reflected here. Responses are as of November 15, 2015.

This page intentionally left blank.