



Abridged Application

Due February 5, 2016 by 5:00pm

SWIFT@twdb.texas.gov

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2016 FEB -5 A 8:54

By submitting this abridged application, you understand and confirm that the information provided is true and correct to the best of your knowledge and further understand that the failure to submit a complete abridged application by the stated deadlines, or to respond in a timely manner to additional requests for information, may result in the withdrawal of the abridged application without review.

GENERAL INFORMATION

Name of Entity	County	Regional Water Planning Area
City of Pearland *ORIGINALLY SUBMITTED VIA OLA*	Brazoria	H

Entity Contact Information

Contact Person	Name	Eric Wilson		
	Title	Director of Public Works		
Mailing Address	3519 Liberty			
	Pearland, TX 77581-5416			
Phone Number	(281) 652-1904	Fax Number	(281) 652-1710	
Email Address	ewilson@pearlandtx.gov			

PROJECT DESCRIPTION

Name of Project <i>(As it appears in the 2016 regional water plan)</i>	City of Pearland surface water treatment plant			
Where can the project be found in the most recent Regional Water Plan?	Project described on page:	ES-12	Capital costs listed on page:	5-A-115

Please attach a list of all water systems served by the proposed project.

Phase(s) Applied For	<input type="checkbox"/> Planning <input type="checkbox"/> Acquisition <input checked="" type="checkbox"/> Design <input type="checkbox"/> Construction
Population Served When Fully Operational	145,000

Description of Proposed Project

Project for the preliminary design, pilot testing, final design, and construction of the first phase (10MGD) surface water treatment plant and associated water conveyance infrastructure.



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Emergency <i>(select all that apply)</i>	<input type="checkbox"/> Applicant/entity's water supply will last less than 180 days. <input type="checkbox"/> Water supply need occurs earlier than anticipated in the State Water Plan. <input type="checkbox"/> Applicant has received or applied for Federal emergency funding. <input checked="" type="checkbox"/> None of the above.
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Agricultural Efficiency Project?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Efficiency improvement achieved by implementing the project <i>(Please provide an attachment showing the basis for your calculation.)</i> <input type="checkbox"/> <1% <input type="checkbox"/> 10%-13.9% <input type="checkbox"/> 1%-1.9% <input type="checkbox"/> 14%-17.9% <input type="checkbox"/> 2%-5.9% <input type="checkbox"/> ≥18% <input type="checkbox"/> 6%-9.9%
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Household Cost Factor
(Household Cost Factor for SWIFT prioritization is calculated by dividing the service area's average residential water bill by its annual median household income. For regional projects, these should represent the combined service areas of all participating entities.)

Estimated average annual residential water bill:	\$319.09	Annual Median Household Income:	\$89,000
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The proposed project addresses:	<input type="checkbox"/> Conservation <input type="checkbox"/> Water Loss <input type="checkbox"/> N/A	Annual Volume of Water Produced/Conserved by the Project <i>(in acre-feet per year)</i>	22400
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Readiness to Proceed <i>(select all that apply)</i>	<input type="checkbox"/> Preliminary planning or design work (30% of total project) has been completed or is not required. <input type="checkbox"/> Applicant is prepared to begin implementation or construction within 18 months of application deadline. <input checked="" type="checkbox"/> Applicant has acquired all water rights associated with the proposed project, or none will be required.
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ESTIMATED COSTS		
Estimated Project Costs	Low-interest Loan	\$ 145,000,000
	Deferred Loan	\$
	Board Participation	\$
	Local Contribution	\$
	Other:	\$
	Total Estimated Project Costs	\$ 145,000,000

Anticipated Commitments <i>Attach proposed schedule for multi-year commitments</i>	<input type="checkbox"/> One-Time Commitment <input checked="" type="checkbox"/> Multi-Year Commitments
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CITY OF PEARLAND, TEXAS

2016 - 2020 CAPITAL IMPROVEMENT PROGRAM

PROJECT NAME					PROJECT #		PREFERENCE ORDER			
Surface Water Plant					WA1605		2			
PROJECT DESCRIPTION					PROJECT IMAGE					
<p>Pilot testing, design, and construction of a 10 MGD Surface Water Treatment Plant that will treat raw water from the Gulf Coast Water Authority (GCWA) canal for distribution throughout the City's water system. A future phase will include an additional 10 MGD of capacity. The plant will be located on City property on CR48 south of CR59, which is adjacent to the GCWA canal. Pilot testing will begin in FY2017 followed by design and construction. The project includes 36" transmission lines to various take points. The project is scheduled to be completed over a five year period with new capacity available by 2022.</p>										
PROJECT JUSTIFICATION										
<p>The project will provide additional potable water capacity to meet demand as the City continues to grow. The 2012 Water Model Update based on growth projections established that the demand for an additional 10 MGD would need to be met by 2022.</p>										
INCREMENTAL OPERATING AND MAINTENANCE COSTS										
Impact on operating budget					<input checked="" type="checkbox"/> No <input type="checkbox"/> Yes (See Below)					
Fiscal Year	2017	2018	2019	2020	2021					
Total Revenue										
Personnel Services										
Operation & Maintenance										
Capital Outlay										
Total Expense										
FTE Staff Total										
COST AVOIDANCE/PAYBACK PERIOD EXPLANATION										
FY PROJECTED ALLOCATIONS										
PROJECT COSTS ALLOCATION	TOTAL BUDGET	CITY APPROP.	FUNDED BUDGET	ESTIMATED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
Prelim. Engineering Report	\$6,600,000	\$6,600,000		\$100,000	\$6,500,000					\$6,600,000
Land/Right of Way										\$0
Design/Surveying	\$16,500,000	\$16,500,000					\$16,500,000			\$16,500,000
Construction	\$122,000,000	\$122,000,000						\$35,000,000	\$55,000,000	\$90,000,000
Equipment and Furniture										\$0
Contingency										\$0
TOTAL COSTS	\$145,100,000	\$145,100,000	\$0	\$100,000	\$6,500,000	\$0	\$16,500,000	\$35,000,000	\$55,000,000	\$113,100,000
FY PROJECTED FUNDING SOURCES										
FUNDING SOURCES	TOTAL BUDGET	CITY APPROP.	FUNDED BUDGET	ESTIMATED THRU 2016	2017	2018	2019	2020	2021	PROJECT TOTAL
General Revenue - Cash										\$0
Certificates of Obligation										\$0
General Obligation Bonds										\$0
New/Proposed GO Bonds										\$0
PEDC										\$0
W/S Revenue Bonds	\$44,407,500	\$44,407,500			\$1,457,500	\$3,450,000	\$15,500,000	\$17,000,000		\$37,407,500
System Revenue - Cash										\$0
Impact Fees - Cash										\$0
Impact Fees - Debt	\$41,656,150	\$41,656,150				\$1,948,650	\$15,500,000	\$17,000,000		\$34,448,650
Other Funding Sources ¹ -	\$2,851,350	\$2,851,350		\$100,000	\$1,457,500	\$1,501,350				\$3,058,850
TOTAL SOURCES	\$88,915,000	\$88,915,000	\$0	\$100,000	\$2,915,000	\$6,900,000	\$31,000,000	\$34,000,000	\$0	\$74,915,000
<p>¹Explain & Identify Type of Other Sources: Fund 42 Fund Balance and reallocation of \$109,947 from City of Houston Waterline. This project carries over to 2021. Project 7 in 2013 impact fee update. FY22 Construction Costs = \$32,000,000. Anticipated commissioning at the end of 2022.</p>							<p>Project Manager: Andrea Brinkley</p>			
							<p>Project's Approval Date: 6/22/2015</p>			