

The Woodlands

10-Year Project Plan

2024 – 2033





The Woodlands
Ten-Year Project Plan
FY 2024 – FY 2033

Date: 02/28/2023

CONTENTS

The Woodlands Executive Summary.....	1
The Woodlands Project Location Maps	2
The Woodlands Summary Sheets	4
Individual Project Sheets.....	8

The Woodlands Division
Ten Year Project Plan Executive Summary
FY 2024 – FY 2033 Projects

Introduction

The purpose of The Woodlands Division 10-Year Project Plan for Fiscal Years (FY) 2024 through 2033 is to identify potential projects and associated funding requirements and sources to appropriately maintain and manage the SJRA Woodlands Division’s extensive wholesale water supply and wastewater conveyance, and treatment assets; to continue to provide efficient and reliable services which is compliant to all state and federal regulations for the 11 Municipal Utility Districts (MUDs) in The Woodlands, Texas.

The Project Plan does include projects resulting from the Wastewater Strategic Plan – Phase 1, including Phase 2 of the plan, design and construction of a new Wastewater Treatment Facility No. 1, optimization of the conveyance system to Wastewater Treatment Facility No. 1, and associated land acquisition.

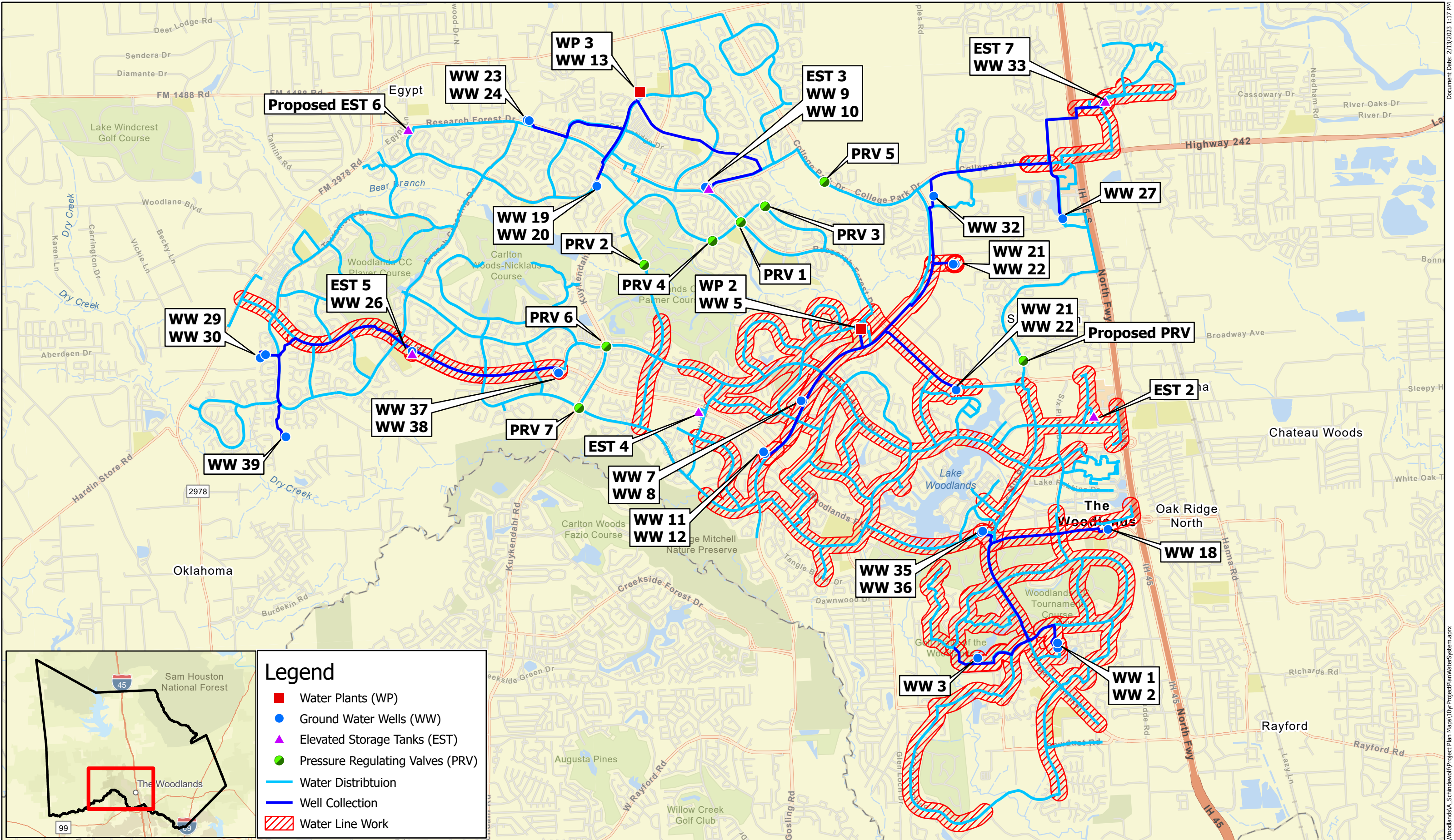
Key Focus Areas:

- New Wastewater Treatment Facility No. 1 and Optimized Conveyance System.
- Replacement of Aging Asbestos Cement Water Lines (235,000 LF)
- Construction of new Elevated Storage Tank
- Renewal of Aging Water Wells (27)
- Renewal of Elevated Water Storage Tanks (5)
- Renewal or Replacement of Aging Gravity Sanitary Sewers, Lift Stations, and Force Mains (37,000 LF)
- Renewal or Replacement of Aging Wastewater Treatment Plant Components
- Replacement of Woodlands Parkway Water Line between FM2978 and Carlton Woods

Total Projected Costs (All Projects)		Funding Sources (10 – Year Period)	
Previously Funded	\$7,031,898	Renewal & Replacement Fund Water	\$38,185,000
FY 2024	\$17,017,660	Renewal & Replacement Fund Wastewater	\$45,297,118
FY 2025	\$41,924,760	2-Hour Peak Flow Projects	\$38,863,000
FY 2026	\$37,167,385	Bond Financed – Water	\$180,729,700
FY 2027 – FY 2033	\$519,647,780	Bond Financed - Wastewater	\$319,714,665
Total	\$622,789,483	Total	\$622,789,483

Risk Management




The Project Plan has been prepared utilizing condition, expected service life and available funding. Projects have been prioritized based on funding and renewal of some assets which may have been delayed past their recommended renewal service life timeline.



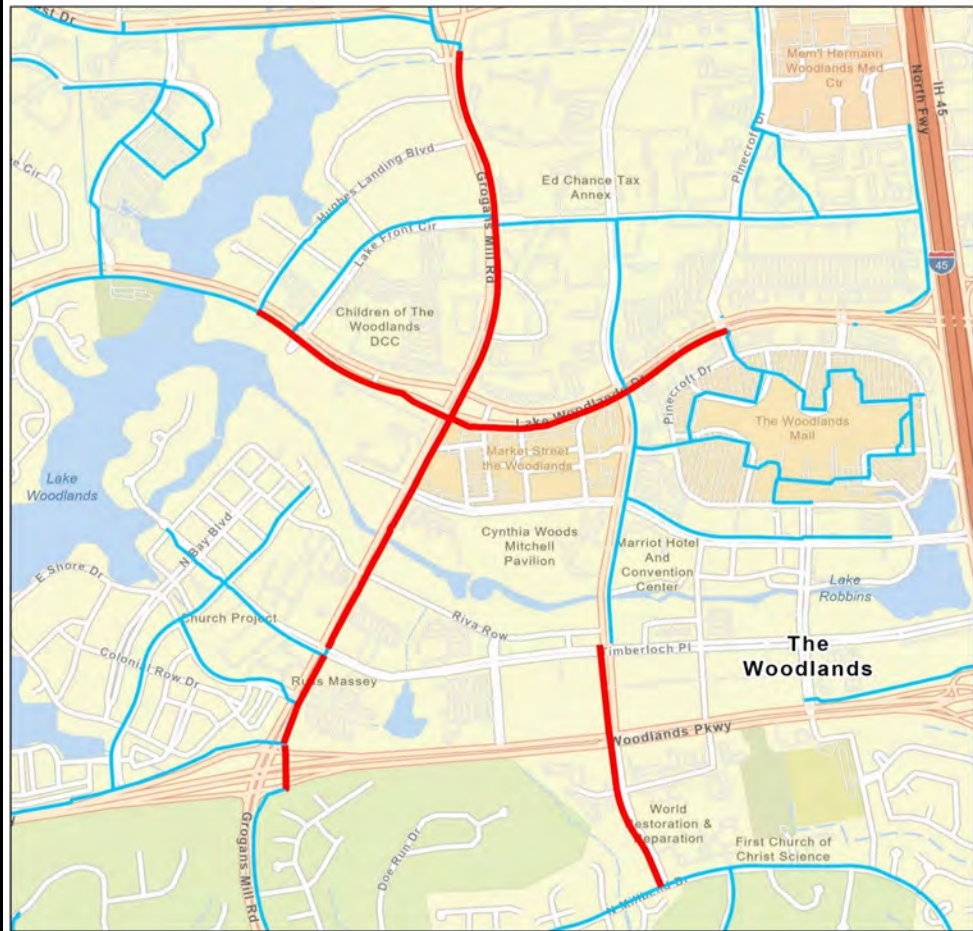
The Woodlands Project Summary - TWDB Bond Fund

The Woodlands
FY 2024 - FY 2033 Projects

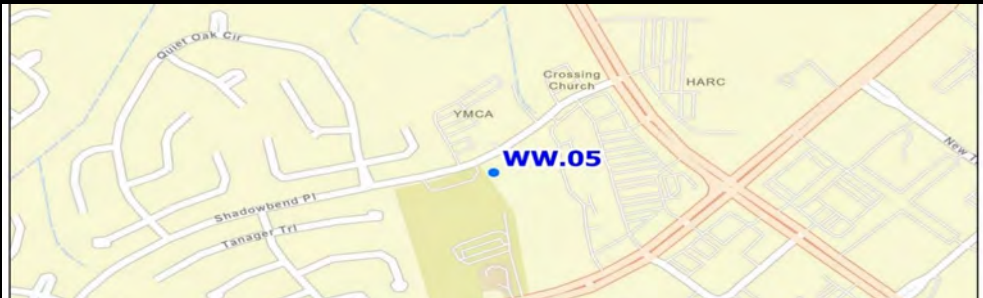


PAGE NO.	PROJECT ID	PROJECT NAME	PREVIOUS BUDGET	2024 ESTIMATE	2025 ESTIMATE	2026 ESTIMATE	2027 ESTIMATE	2028 ESTIMATE	2029 ESTIMATE	2030 ESTIMATE	2031 ESTIMATE	2032 ESTIMATE	2033 ESTIMATE	TOTAL
54	WA21WL	Town Center Water Line Replacement	\$ -	\$ -	\$ 10,160,000	\$ 1,852,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,012,000
55	WA23WL	N Town Center and S Grogan's Mill Rd. Water Line Replacement	\$ -	\$ -	\$ 2,833,000	\$ 4,086,000	\$ 15,116,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 22,035,000
56	WA24WL	Panther Creek Area Water Line Replacement	\$ -	\$ -	\$ 3,157,000	\$ 7,046,000	\$ 12,281,000	\$ 6,325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 28,809,000
57	WA25WL	Conference/Resort Area Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,069,000	\$ 10,026,000	\$ 4,260,000	\$ -	\$ -	\$ -	\$ 16,355,000
58	WA26WL	Sawmill Rd and Grogan's Point Dr. Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,986,000	\$ 9,936,000	\$ 3,311,000	\$ -	\$ -	\$ -	\$ 15,233,000
59	WA27WL	Millbend Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,892,000	\$ 13,091,000	\$ 4,441,000	\$ -	\$ -	\$ 20,424,000
60	WA2GT1	Water Plant No. 2 Ground Storage Tank No. 1 Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 932,000	\$ 4,749,000	\$ 543,000	\$ -	\$ -	\$ 6,224,000
61	WA28WL	West Lake Area Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,284,000	\$ 8,889,000	\$ 5,925,000	\$ -	\$ -	\$ 17,098,000
62	WAWW40	Water Well No. 40	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,181,250	\$ 2,364,750	\$ 3,942,000	\$ 1,971,000	\$ 9,459,000
63	WA29WL	West Panther Creek Area Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,662,000	\$ 8,681,500	\$ 11,343,500
64	WA30WL	South Panther Creek Area Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,388,000	\$ 8,391,500	\$ 10,779,500
65	WA31WL	Trade Center Area Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,499,000	\$ 5,266,500	\$ 6,765,500
66	WAWPWL	Woodlands Parkway Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,587,000	\$ 1,587,000
67	WA32WL	Cochran's Crossing Area Water Line Replacement	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,605,200	\$ 2,605,200
		TOTAL WATER BOND PROJECTS	\$ -	\$ -	\$ 16,150,000	\$ 12,984,000	\$ 27,397,000	\$ 10,380,000	\$ 26,070,000	\$ 35,481,250	\$ 13,273,750	\$ 10,491,000	\$ 28,502,700	\$ 180,729,700
68	WWTREG	Wastewater Strategic Plan	\$ 1,637,331	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,787,331
69	WW21GR	South Shore Gravity Main Rehabilitation	\$ 546,459	\$ 2,025,600	\$ 6,292,050	\$ 3,146,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 12,010,134
70	WWWVCO	Wastewater Conveyance Optimization	\$ -	\$ 689,000	\$ 665,000	\$ 693,000	\$ 719,000	\$ 748,000	\$ 21,395,000	\$ 22,251,000	\$ -	\$ -	\$ -	\$ 47,160,000
71	WWF1NP	New Wastewater Treatment Facility No. 1	\$ -	\$ 3,531,000	\$ 3,673,000	\$ 3,819,000	\$ 39,722,000	\$ 41,311,000	\$ 42,963,000	\$ 44,682,000	\$ 46,469,000	\$ -	\$ -	\$ 226,170,000
72	WW23GR	Gravity Main Rehabilitation - Hughes Landing and East Shore	\$ -	\$ -	\$ 941,000	\$ 1,500,000	\$ 3,800,000	\$ 1,421,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,662,000
73	WW25GR	Gravity Main Rehabilitation - North Bear Branch	\$ -	\$ -	\$ -	\$ -	\$ 593,000	\$ 2,500,000	\$ 1,963,000	\$ -	\$ -	\$ -	\$ -	\$ 5,056,000
74	WW27GR	Gravity Main Rehabilitation - Upper Panther Branch	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 513,600	\$ 3,426,600	\$ 4,465,800	\$ -	\$ -	\$ -	\$ 8,406,000
75	WW31GR	Gravity Main Rehabilitation - West of Lake Woodlands	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 899,000	\$ 2,036,700	\$ 4,752,300	\$ 7,688,000	\$ 7,688,000
76	WW32GR	Gravity Main Rehabilitation - East of Lake Woodlands	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 3,175,200	\$ 3,775,200	\$ 3,775,200
		TOTAL WASTEWATER BOND PROJECTS	\$ 2,183,790	\$ 6,395,600	\$ 11,571,050	\$ 9,158,025	\$ 44,834,000	\$ 45,980,000	\$ 66,834,600	\$ 70,359,600	\$ 51,833,800	\$ 2,636,700	\$ 7,927,500	\$ 319,714,665
	TOTALS		\$ 2,183,790	\$ 6,395,600	\$ 27,721,050	\$ 22,142,025	\$ 72,231,000	\$ 56,360,000	\$ 92,904,600	\$ 105,840,850	\$ 65,107,550	\$ 13,127,700	\$ 36,430,200	\$ 500,444,365

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Pressure Regulating Valve Rehabilitation				WAPRV1		2022-2023			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands Water System is divided into three pressure planes as a result of elevation differences across the Woodlands geographic area. Where water lines cross the pressure plane boundaries, pressure regulating valves (PRVs) have been installed to maintain consistent pressures in each pressure plane, but allow for cross-over flow from one pressure plane to the other in the event of a pressure drop resulting from a water line failure or fire event. The expected useful life of the PRV assembly is 30 years and several PRVs in the system have reached or are near reaching the end of this lifespan.</p> <p>This project will be for the replacement of the internal components of PRV Nos. 1, 2, 3, 4 and 5, which were installed between 1989 and 1996. The costs for this project was based upon vendor estimates to replace the PRV equipment and piping and engineer's construction estimates to replace the vaults.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2022 - Q1		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2022 - Q2		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2022 - Q4			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2023 - Q1			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY2023 - Q2											
Substantial Completion:		FY 2023 - Q4		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 325,000	\$ 325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 345,000	\$ 345,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Town Center Water Line Replacement				WA21WL		2021-2024		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines. From this, approximately 14,000 linear feet (2.7 miles) of water main in the Grogan's Mill and Metro Center areas were identified for the first project scope. These segments include approximately 2,600 LF of 12-inch water line along Six Pines Drive, approximately 6,600 LF of 12-inch water line along Grogan's Mill Road, and approximately 5,000 LF of 12-inch water line along Lake Woodlands Drive. These locations include replacement of water lines under major roadway intersections including Grogan's Mill, Woodlands, Parkway, Lake Woodlands Drive, and Timberloch Place.</p> <p>The funding for this portion is for preliminary and final design. Construction will be bond-funded.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		Completed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		Completed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2025 - Q2		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2025 - Q2		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2025 - Q3											
Substantial Completion:		FY 2026 - Q3	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 250,000	\$ 250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 504,000	\$ 450,000	\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 754,000	\$ 700,000	\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA23WR		2023-2024		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 5, 11 and 32 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material and lowering of the well pump and increasing the motor size for Well Nos. 5 and 11.</p> <p>Water Well No. 5 - Jasper Aquifer; Design GPM: 1,500; last produced 1,000 gpm Water Well No. 11 - Jasper Aquifer; Design GPM: 1,600; last produced 1,000 gpm Water Well No. 32 - Evangeline Aquifer; Design GPM: 800; last produced 200 gpm</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>													
													
													
				PROJECT SCHEDULE				DELIVERY	FUNDING				
Initiate Cons. Selection:		FY 2023 - Q1		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2023 - Q1		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2023 - Q3			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2023 - Q3			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2023 - Q4											
Substantial Completion:		FY 2024 - Q3		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 119,000	\$ 119,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 1,194,000	\$ 394,020	\$ 799,980	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 119,000	\$ 39,270	\$ 79,730	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,432,000	\$ 552,290	\$ 879,710	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Pressure Regulating Valve on Grogan's Mill Road				WAPRVI		2023-2024			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>A 16-inch water distribution line connects Water Plant No. 1 service area (Grogan's Mill area) to the Water Plant No. 5 service area (242 and I-45 area). The line allows for operational flexibility and system pressure maintenance in case of water plant or elevated storage tank (EST) shut-down in either service area. However, the elevation difference between the two service areas causes uneven pressures in the two areas, resulting in Water Plant No. 5 sending more water than is needed to Water Plant No. 1's service area, causing Water Plant No. 1 to run a minimal amount.</p> <p>A Pressure Regulating Valve will be installed on the water distribution system between Water Plant No. 5 and Water Plant No. 1 to regulate the flow between the two Water Plants. Additionally, design was completed in FY2023 and installation is to occur in FY2024.</p> <p>Costs are based upon estimates received from vendors for installations of similar equipment and vaults.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2022 - Q4		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2022 - Q4		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2023 - Q3			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2023 - Q3			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2023 - Q4											
Substantial Completion:		FY 2024 - Q2		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 10,000	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 80,000	\$ 60,000	\$ 20,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 14,000	\$ 10,000	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 104,000	\$ 80,000	\$ 24,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water System Mechanical Asset Replacement				WAMAR1		2023-2024		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The SJRA Woodlands Division water system contains several hundred mechanical assets including motors, pumps, chlorinators, engines, motor control valves, generators, transfer switches, and motor control centers. As these assets reach the end of their useful life, these assets require replacement to maintain the current level of service. These replacements will be performed as part of an on-going series of projects.</p> <p>These funds will be utilized to replace various individual water system assets that do not meet the need for a larger project rehabilitation. This project include replacement costs for a water plant pump and motor, replacement of chlorination equipment at all five water plants, and site fencing at an elevated storage tank site.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		As Needed		<input type="checkbox"/> CSP <input checked="" type="checkbox"/> Other	<input type="checkbox"/> O&M <input type="checkbox"/> Bonds <input checked="" type="checkbox"/> R&R <input type="checkbox"/> Other								
PSA/WO Issued:		As Needed											
Final Proposal Docs:		As Needed											
Proposals/Bids Received:		As Needed											
Constr. Contract to Board:		As Needed											
Substantial Completion:		As Needed		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 475,000	\$ 237,500	\$ 237,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 10,000	\$ 5,000	\$ 5,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 485,000	\$ 242,500	\$ 242,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME			PROJECT ID	FISCAL YEAR	DIVISION							
Harper's Landing Water Line			WATCPL	2022-2024	The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE							
<p>The Village of Harper's Landing is located north of SH 242 and east of IH-45, and currently is served with potable water pumped from SJRA Water Plant No. 5, located on the west side of IH-45. Between the Trade Center Parkway/Harper's Landing Blvd. intersection and Elevated Storage Tank No. 7 (EST 7), only one water line exists that delivers the water to this neighborhood. In the event of the need for shut-down of this water line, Harper's Landing would have no source of potable water.</p> <p>A 12-inch water line is proposed to be installed along Trade Center Parkway between Harper's Landing and EST 7, a distance of approximately 470 linear feet. This will complete the loop to the system which will provide another source of potable water to Harper's Landing. Due to multiple utilities in this area, and to minimize disturbance to the route, trenchless installation is proposed for construction.</p> <p>The cost of this project was estimated based on recent similar water line installation projects of similar size and length and verified by the design consultant.</p>												
PROJECT SCHEDULE			DELIVERY	FUNDING								
Initiate Cons. Selection:	FY 2022 - Q3		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:	FY 2022 - Q4		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:	FY 2023 - Q3			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:	FY 2023 - Q3			<input type="checkbox"/> Other								
Constr. Contract to Board:	FY 2023 - Q4											
Substantial Completion:	FY 2024 - Q2		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 428,000	\$ 214,000	\$ 214,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 50,000	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ 25,000	\$ 25,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 603,000	\$ 364,000	\$ 239,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME			PROJECT ID	FISCAL YEAR	DIVISION							
Water Plant No. 2 Generator			WAP2GN	2023-2025	The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE							
<p>Water Plant No. 2 is one of five water plants owned and operated by the San Jacinto River Authority (SJRA) in The Woodlands. At Water Plant No. 2, ground water from eight (8) water wells is collected and blended with surface water from SJRA's GRP Division surface water plant at Lake Conroe. Each water plant provides a vital role in the water blending, water chlorination, and pumping water out into the distribution system to serve customers of The Woodlands.</p> <p>Currently, Water Plant No. 2 has one booster pump and an on-site Evangeline Aquifer water well connected to a natural gas auxiliary engine for backup power. Both of these engines were installed in 1982, and are nearing the end of their useful life. The site also has a small 10MW natural gas generator for backup power to controls, installed in 2012. To continue reliability of the water plant during power outages and allow for more capacity during an outage situation, a 1 megawatt (MW) diesel generator will be installed which will be able to power two booster pumps, the on-site Jasper aquifer well (higher producing well) and the controls.</p> <p>Costs for the generator installation was based on vendor quotes for the equipment and previous projects with electrical site work of similar scope and scale.</p>					 							
PROJECT SCHEDULE			DELIVERY	FUNDING								
Initiate Cons. Selection:	FY 2023 - Q1		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:	FY 2023 - Q1		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:	FY 2024 - Q2			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:	FY 2024 - Q2			<input type="checkbox"/> Other								
Constr. Contract to Board:	FY 2024 - Q3											
Substantial Completion:	FY 2025 - Q3		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 94,000	\$ 47,000	\$ 47,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 937,000	\$ -	\$ 234,250	\$ 702,750	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 94,000	\$ -	\$ 23,500	\$ 70,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,125,000	\$ 47,000	\$ 304,750	\$ 773,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME			PROJECT ID	FISCAL YEAR	DIVISION							
Water Plant No. 3 Generator			WAP3GN	2023-2025	The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE							
<p>Water Plant No. 3 is one of five water plants owned and operated by the San Jacinto River Authority (SJRA) in The Woodlands. At Water Plant No. 3, ground water from eight (8) water wells is collected and blended with surface water from SJRA's GRP Division surface water plant at Lake Conroe. Each water plant provides a vital role in the water blending, water chlorination, and pumping water out into the distribution system to serve customers of The Woodlands.</p> <p>Currently, Water Plant No. 3 has a 450 kilowatt (kW) diesel generator that can provide power for two booster pumps. Also, one on-site water well has a natural gas auxiliary engine. Due to increasing water demands in the Water Plant No. 3 service area, additional pumping capacity is required at this plant. Therefore, a larger generator will be required to allow for increased pumping capacity at the plant. A 1,000 kW diesel generator will be installed at Water Plant No. 3 to provide backup power for this increased load.</p> <p>The 450 kW generator currently at Water Plant No. 3 was installed in 2016, and therefore, has remaining useful life. This generator will be moved to Water Plant No. 1 where it will be able to provide backup power for two booster pumps. Water Plant No. 1 currently has one booster pump with backup power provided by an auxiliary engine installed in 1973 that has reached the end of its useful life.</p> <p>Costs for the generator installations were based on vendor quotes for the equipment and previous projects with electrical site work of similar scope and scale.</p>												
PROJECT SCHEDULE				DELIVERY	FUNDING							
Initiate Cons. Selection:	FY 2023 - Q1			<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:	FY 2023 - Q1			<input type="checkbox"/> Other	<input type="checkbox"/> Bonds							
Final Proposal Docs:	FY 2024 - Q2				<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:	FY 2024 - Q2				<input type="checkbox"/> Other							
Constr. Contract to Board:	FY 2024 - Q3											
Substantial Completion:	FY 2025 - Q3			<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 107,000	\$ 53,500	\$ 53,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 1,071,000	\$ -	\$ 267,750	\$ 803,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 107,000	\$ -	\$ 26,750	\$ 80,250	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,285,000	\$ 53,500	\$ 348,000	\$ 883,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME				PROJECT ID	FISCAL YEAR	DIVISION						
Water System Technology Improvements				WAWSTI	2023-2032	The Woodlands						
PROJECT DESCRIPTION				PROJECT MAP/PICTURE								
<p>The Woodlands Division water and wastewater systems have various software and technology assets that require updating and replacement in order to achieve or maintain efficiencies. The Division uses software for operational data storage, calculating and reporting, modeling of water and wastewater systems, GIS mapping, SCADA data storage and reporting, electronic record keeping, and asset management. These software's generally require occasional updates based on technological advancements as well as process changes within the water and wastewater systems.</p> <p>This funding, based upon previous costs of purchases and contracts, will be used to maintain and update business technology in terms of software functionality, hardware needs, and hardware required for updated software.</p>												
PROJECT SCHEDULE			DELIVERY	FUNDING								
Initiate Cons. Selection:		As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		As Needed		<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		As Needed		<input type="checkbox"/> Other								
Constr. Contract to Board:		As Needed										
Substantial Completion:		As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 142,500	\$ 12,500	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Construction	\$ 1,365,000	\$ 125,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000	\$ 124,000
CPS, CM&I, and CMT	\$ 142,500	\$ 12,500	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,650,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Elevated Storage Tank No. 6				WAEST6		2024-2027		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>Elevated Storage Tank No. 6 is a proposed 1.0 million gallon (MG) composite elevated storage tank (EST) to be constructed in the Upper Pressure Plane of the Woodlands Division water system. ESTs provide pressure stabilization in the water distribution system, preventing the need for water plant booster pumps to operate constantly to maintain system pressure. ESTs also provide additional water storage in the event of a nearby fire event.</p> <p>Based upon the updated water model and TCEQ regulations, an additional EST is needed to for pressure maintenance in the Upper, Middle and Lower Pressure Planes. Placing the EST in the Upper Pressure Plane allows for pressure maintenance capability in all three pressure planes due to the ability for water transfer to occur from an upper to a lower pressure plane, but not from a lower to an upper pressure plane. It is anticipated the new EST will be built on land SJRA previously acquired for an EST on Research Forest Blvd.</p> <p>Projected costs were determined utilizing recent estimates from third party engineering firms. It is anticipated that \$4.6MM in funds from the Future Facilities Fund will be utilized to partially fund this project.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2024 - Q1		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2024 - Q2		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2025 - Q2			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2025 - Q2			<input checked="" type="checkbox"/> Other								
Constr. Contract to Board:		FY 2025 - Q3											
Substantial Completion:		FY 2027 - Q2		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 285,000	\$ -	\$ 285,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 570,000	\$ -	\$ 285,000	\$ 285,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 6,570,545	\$ -	\$ -	\$ 1,116,993	\$ 4,402,265	\$ 1,051,287	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 657,455	\$ -	\$ -	\$ 111,767	\$ 440,495	\$ 105,193	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 8,083,000	\$ -	\$ 570,000	\$ 1,513,760	\$ 4,842,760	\$ 1,156,480	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME			PROJECT ID	FISCAL YEAR	DIVISION							
Water Well Rehabilitation			WA24WR	2024	The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 7 and 33 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 7 and 33 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material and lowering of the well pump and increasing the motor size at both locations.</p> <p>Water Well No. 7 - Jasper Aquifer; Design GPM: 1,500 Water Well No. 33 - Jasper Aquifer; Design GPM: 1,500</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>												
PROJECT SCHEDULE				DELIVERY	FUNDING							
Initiate Cons. Selection:	FY 2023 - Q3			<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:	FY 2023 - Q4			<input type="checkbox"/> Other	<input type="checkbox"/> Bonds							
Final Proposal Docs:	FY 2024 - Q3				<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:	FY 2024 - Q3				<input type="checkbox"/> Other							
Constr. Contract to Board:	FY 2024 - Q4											
Substantial Completion:	FY 2025 - Q3			<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 114,000	\$ -	\$ 114,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 1,136,000	\$ -	\$ 568,000	\$ 568,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 114,000	\$ -	\$ 57,000	\$ 57,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,364,000	\$ -	\$ 739,000	\$ 625,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
SCADA Tower Replacement				WASTR2		2025-2026		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>SJRA has utilized radio communication for its SCADA system since the introduction of SCADA at water and wastewater facilities in the early 2000's. Each facility site maintains a radio and a tower to form a communications loop around The Woodlands. Although water plant and wastewater facilities received fiber links as part of the GRP, radio communication is still the only communication method at most water and wastewater facilities. In addition, they are used as a backup method at facilities with fiber.</p> <p>This project is part of a phased program to replace SCADA towers as they reach the end of their useful life of approximately 30 years. In addition, the current towers are aluminum lattice design and have to be taken out of service and laid on the ground during hurricane events. These projects will replace the lattice towers with hurricane rated monopole towers that will allow radio communication to be maintained during a hurricane event.</p> <p>This project will replace the tower at the Water Well Nos. 19 and 20 site. The budget cost is based upon previous monopole tower installation projects.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2025		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2025		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2025			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2025			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2025											
Substantial Completion:		FY 2026		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 8,000	\$ -	\$ -	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 78,000	\$ -	\$ -	\$ 38,000	\$ 40,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 8,000	\$ -	\$ -	\$ 4,000	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 94,000	\$ -	\$ -	\$ 50,000	\$ 44,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION																																	
Water Well Rehabilitation				WA25WR		2025-2026		The Woodlands																																	
PROJECT DESCRIPTION				PROJECT MAP/PICTURE																																					
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 9 and 19 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 9 and 19 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well and lowering of the well pump and increasing the motor size at both locations.</p> <p>Water Well No. 9 - Jasper Aquifer; Design GPM: 1,500 Water Well No. 19 - Jasper Aquifer; Design GPM: 650</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>																																									
				<table><tr><th colspan="2">PROJECT SCHEDULE</th><th>DELIVERY</th><th>FUNDING</th></tr><tr><td>Initiate Cons. Selection:</td><td>FY 2025</td><td><input checked="" type="checkbox"/> CSP</td><td><input type="checkbox"/> O&M</td></tr><tr><td>PSA/WO Issued:</td><td>FY 2025</td><td><input type="checkbox"/> Other</td><td><input type="checkbox"/> Bonds</td></tr><tr><td>Final Proposal Docs:</td><td>FY 2025</td><td></td><td><input checked="" type="checkbox"/> R&R</td></tr><tr><td>Proposals/Bids Received:</td><td>FY 2025</td><td></td><td><input type="checkbox"/> Other</td></tr><tr><td>Constr. Contract to Board:</td><td>FY 2025</td><td></td><td></td></tr><tr><td>Substantial Completion:</td><td>FY 2026</td><td><input type="checkbox"/> Capitalized</td><td><input checked="" type="checkbox"/> Expensed</td></tr></table>				PROJECT SCHEDULE		DELIVERY	FUNDING	Initiate Cons. Selection:	FY 2025	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M	PSA/WO Issued:	FY 2025	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds	Final Proposal Docs:	FY 2025		<input checked="" type="checkbox"/> R&R	Proposals/Bids Received:	FY 2025		<input type="checkbox"/> Other	Constr. Contract to Board:	FY 2025			Substantial Completion:	FY 2026	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed						
				PROJECT SCHEDULE		DELIVERY	FUNDING																																		
Initiate Cons. Selection:	FY 2025	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M																																						
PSA/WO Issued:	FY 2025	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds																																						
Final Proposal Docs:	FY 2025		<input checked="" type="checkbox"/> R&R																																						
Proposals/Bids Received:	FY 2025		<input type="checkbox"/> Other																																						
Constr. Contract to Board:	FY 2025																																								
Substantial Completion:	FY 2026	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed																																						
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033																													
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													
Engineering/Design	\$ 107,000	\$ -	\$ -	\$ 107,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													
Construction	\$ 1,071,000	\$ -	\$ -	\$ 535,500	\$ 535,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													
CPS, CM&I, and CMT	\$ 107,000	\$ -	\$ -	\$ 53,500	\$ 53,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													
Total	\$ 1,285,000	\$ -	\$ -	\$ 696,000	\$ 589,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																													


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Water Well Rehabilitation				WA26WR		2026-2027			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 26 and 30 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 26 and 30 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well if needed. No well lowering or capacity increase is planned for these two Evangeline aquifer wells.</p> <p>Water Well No. 26 - Evangeline Aquifer; Design GPM: 800 Water Well No. 30 - Evangeline Aquifer; Design GPM: 800</p> <p>Costs are based on previous well rehabilitation projects of similar scope.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2026	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2026	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2026		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2026		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2026											
Substantial Completion:		FY 2027	<input type="checkbox"/> Capitalized <input checked="" type="checkbox"/> Expensed										
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 82,000	\$ -	\$ -	\$ -	\$ 82,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 818,000	\$ -	\$ -	\$ -	\$ 409,000	\$ 409,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 82,000	\$ -	\$ -	\$ -	\$ 41,000	\$ 41,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 982,000	\$ -	\$ -	\$ -	\$ 532,000	\$ 450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION				
Water System Mechanical Asset Replacement				WAMAR2		2027		The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE						
<p>The SJRA Woodlands Division water system contains several hundred mechanical assets including motors, pumps, chlorinators engines, motor control valves, generators, transfer switches, and motor control centers. As these assets reach the end of their useful life, these assets require replacement to maintain the current level of service. These replacements will be performed as part of an on-going series of projects.</p> <p>These funds will be utilized to replace various individual water system assets that do not meet the need for a larger project rehabilitation. For this project, a small natural gas generator and an automatic transfer switch will be replaced.</p>												
PROJECT SCHEDULE				DELIVERY	FUNDING							
Initiate Cons. Selection:		As Needed		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:		As Needed		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds							
Final Proposal Docs:		As Needed			<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:		As Needed			<input type="checkbox"/> Other							
Constr. Contract to Board:		As Needed										
Substantial Completion:		As Needed		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ 70,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ 7,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 77,000	\$ -	\$ -	\$ -	\$ -	\$ 77,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
SCADA Tower Replacement				WASTR3		2027-2028			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>SJRA has utilized radio communication for its SCADA system since the introduction of SCADA at water and wastewater facilities in the early 2000's. Each facility site maintains a radio and a tower to form a communications loop around The Woodlands. Although water plant and wastewater facilities received fiber links as part of the GRP, radio communication is still the only communication method at most water and wastewater facilities. In addition, they are used as a backup method at facilities with fiber.</p> <p>This project is part of a phased program to replace SCADA towers as they reach the end of their useful life of approximately 30 years. In addition, the current towers are aluminum lattice design and have to be taken out of service and laid on the ground during hurricane events. These projects will replace the lattice towers with hurricane rated monopole towers that will allow radio communication to be maintained during a hurricane event.</p> <p>This project will replace the tower at the Water Well Nos. 21 and 22 site. The budget cost is based upon previous monopole tower installation projects.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2027		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2027		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2027			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2027			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2027											
Substantial Completion:		FY 2028		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 83,000	\$ -	\$ -	\$ -	\$ -	\$ 40,000	\$ 43,000	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 8,000	\$ -	\$ -	\$ -	\$ -	\$ 4,000	\$ 4,000	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 99,000	\$ -	\$ -	\$ -	\$ -	\$ 52,000	\$ 47,000	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA27WR		2027-2028		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 27 and 29 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 27 and 29 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well and lowering of the well pump and increasing the motor size at both locations.</p> <p>Water Well No. 27 - Jasper Aquifer; Design GPM: 1,500 Water Well No. 29 - Jasper Aquifer; Design GPM: 2,000</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2027	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2027	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2027		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2027		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2027											
Substantial Completion:		FY 2028	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 143,000	\$ -	\$ -	\$ -	\$ -	\$ 143,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 1,430,000	\$ -	\$ -	\$ -	\$ -	\$ 572,000	\$ 858,000	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 143,000	\$ -	\$ -	\$ -	\$ -	\$ 57,200	\$ 85,800	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,716,000	\$ -	\$ -	\$ -	\$ -	\$ 772,200	\$ 943,800	\$ -	\$ -	\$ -	\$ -	\$ -	

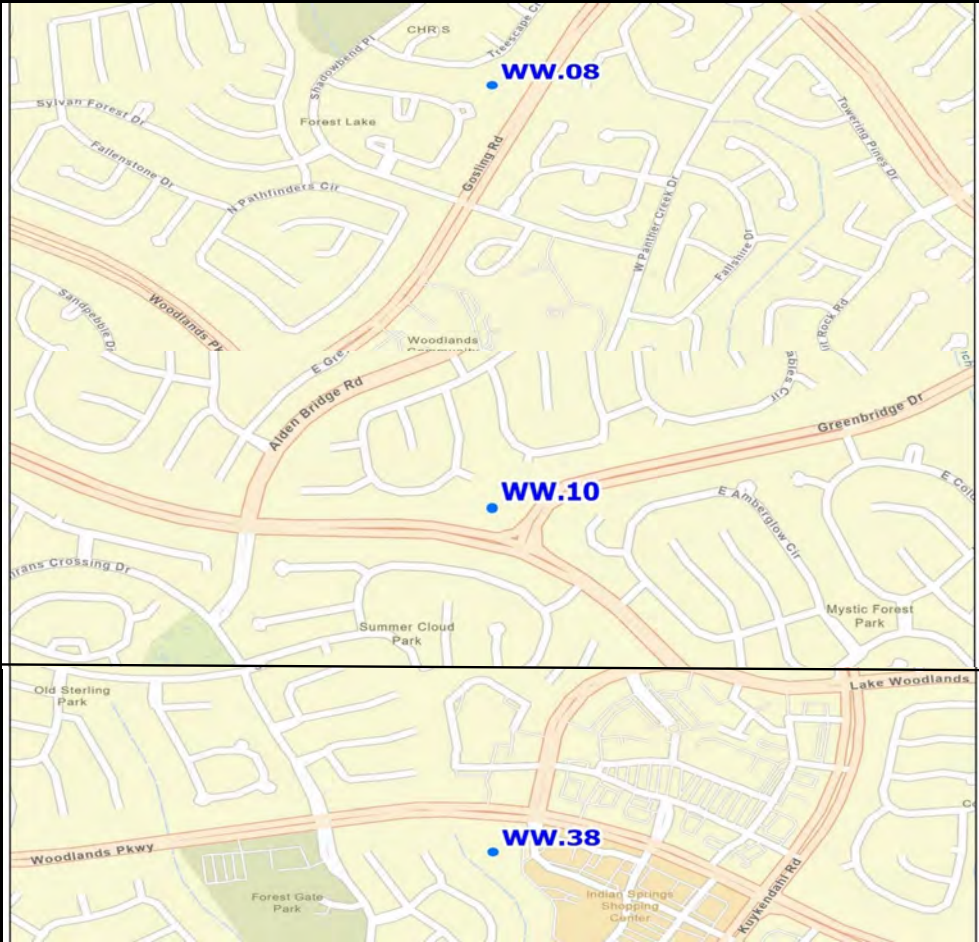
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Elevated Storage Tank No. 5 Rehabilitation				WAET5R		2027-2028		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>Elevated Storage Tank No. 5 is a 1,000,000 gallon tank and was constructed in 2000. Based on an engineering report completed in 2013, the exterior and interior coating systems were replaced in 2015. A follow-up inspection of the tank will be completed in 2026 to identify the need and scope for any additional rehabilitation work. Anticipated rehabilitation of the tank includes recoating of the tank exterior and interior surfaces for maintenance and to continue to protect the exterior and interior from corrosion.</p> <p>To protect the metal structure from corrosion and to extend the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their protective value in about 12-15 years and require system replacement in order to continue to provide adequate corrosion protection. The useful life of an exterior coating is expected to be 10-12 years depending on the type of paint and thickness applied.</p> <p>Projected costs are based on previous work conducted and updated pricing estimates from third party engineering firms.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2027		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2027		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2027			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2027			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2027											
Substantial Completion:		FY 2028		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 1,024,000	\$ -	\$ -	\$ -	\$ -	\$ 102,400	\$ 921,600	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 102,000	\$ -	\$ -	\$ -	\$ -	\$ 10,200	\$ 91,800	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,228,000	\$ -	\$ -	\$ -	\$ -	\$ 214,600	\$ 1,013,400	\$ -	\$ -	\$ -	\$ -	\$ -	

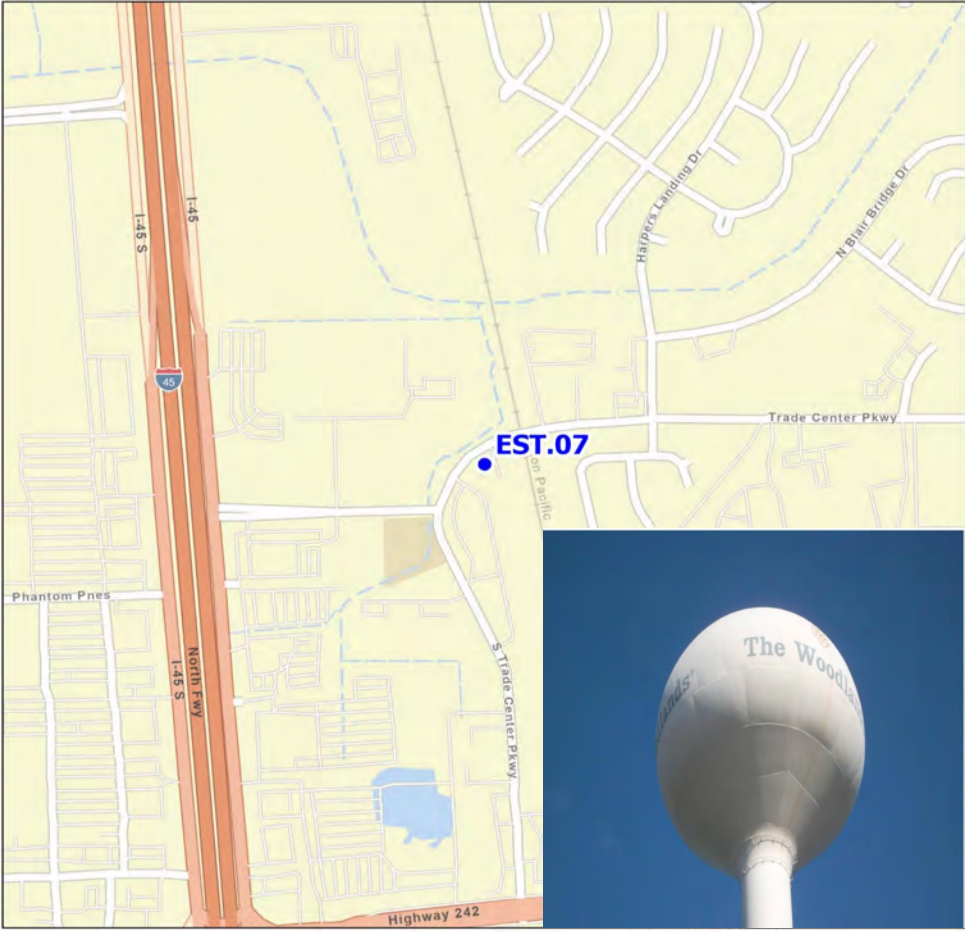
*Budget includes contingency.

PROJECT NAME			PROJECT ID		FISCAL YEAR		DIVISION							
Pressure Regulating Valve Rehabilitation			WAPRV2		2028		The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE									
<p>The Woodlands Water System is divided into three pressure planes as a result of elevation differences across the Woodlands geographic area. Where water lines cross the pressure plane boundaries, pressure regulating valves (PRVs) have been installed to maintain consistent pressures in each pressure plane, but allow for cross-over flow from one pressure plane to the other in the event of a pressure drop resulting from a water line failure or fire event. The expected useful life of the PRV assembly is 30 years and several PRVs in the system have reached or are near reaching the end of this lifespan.</p> <p>This project will be for the replacement of the internal components of PRV Nos. 6 and 7, which were installed in 2000. The costs for this project was based upon vendor estimates to replace the PRV equipment and piping and engineer's construction estimates to replace the vaults.</p>														
PROJECT SCHEDULE			DELIVERY										FUNDING	
Initiate Cons. Selection: FY 2028			<input checked="" type="checkbox"/> CSP										<input type="checkbox"/> O&M	
PSA/WO Issued: FY 2028			<input type="checkbox"/> Other										<input type="checkbox"/> Bonds	
Final Proposal Docs: FY 2028					<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received: FY 2028					<input type="checkbox"/> Other									
Constr. Contract to Board: FY 2028														
Substantial Completion: FY 2028			<input type="checkbox"/> Capitalized		<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Construction	\$ 155,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 155,000	\$ -	\$ -	\$ -	\$ -	\$ -		
CPS, CM&I, and CMT	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -		
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 165,000	\$ -	\$ -	\$ -	\$ -	\$ -		


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Water Well Rehabilitation				WA28WR		2028-2029			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 8, 10 and 38 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 8, 10 and 38 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well if needed. No well lowering or capacity increase is planned for these two Evangeline aquifer wells.</p> <p>Water Well No. 8 - Evangeline Aquifer; Design GPM: 800 Water Well No. 10 - Evangeline Aquifer; Design GPM: 800 Water Well No. 38 - Evangeline Aquifer; Design GPM: 900</p> <p>Costs are based on previous well rehabilitation projects of similar scope.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2028	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2028	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2028		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2028		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2028											
Substantial Completion:		FY 2029	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 1,302,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 195,300	\$ 1,106,700	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 130,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,500	\$ 110,500	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,562,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 344,800	\$ 1,217,200	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME			PROJECT ID	FISCAL YEAR	DIVISION							
Elevated Storage Tank No. 7 Rehabilitation			WAET7R	2028-2029	The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE							
<p>Elevated Storage Tank No. 7 is a 500,000 gallon tank and was constructed in 1977. Based on an engineering report completed in 2013, the exterior and interior coating systems were replaced in 2016. A follow-up inspection of the tank will be completed in 2027 to identify the need and scope for any additional rehabilitation work. Anticipated rehabilitation of the tank includes recoating of the tank exterior and interior surfaces for maintenance and to continue to protect the exterior and interior from corrosion.</p> <p>To protect the metal structure from corrosion and to extend the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their protective value in about 12-15 years and require system replacement in order to continue to provide adequate corrosion protection. The useful life of an exterior coating is expected to be 10-12 years depending on the type of paint and thickness applied.</p> <p>Projected costs are based on previous work conducted and updated pricing estimates from third party engineering firms.</p>												
PROJECT SCHEDULE			DELIVERY	FUNDING								
Initiate Cons. Selection:	FY 2028		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:	FY 2028		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:	FY 2028			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:	FY 2028			<input type="checkbox"/> Other								
Constr. Contract to Board:	FY 2028											
Substantial Completion:	FY 2029		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 77,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 77,000	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 769,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 153,800	\$ 615,200	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 77,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 15,400	\$ 61,600	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 923,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 246,200	\$ 676,800	\$ -	\$ -	\$ -	\$ -

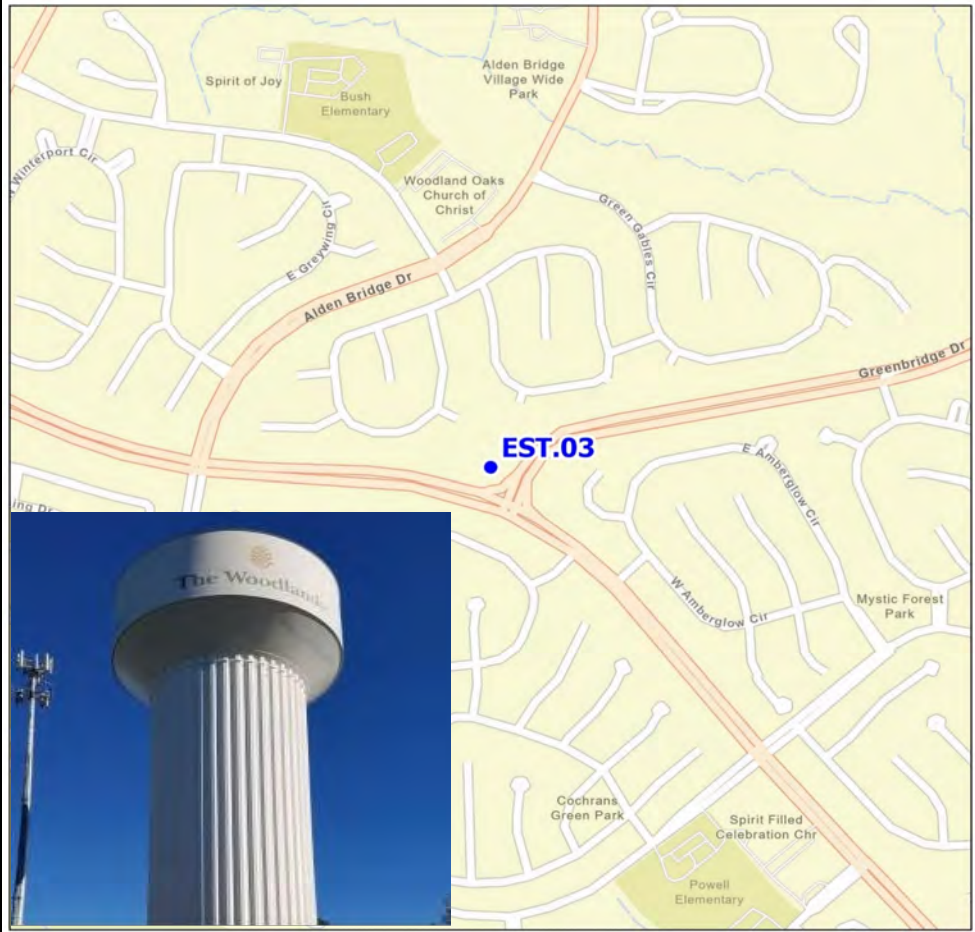
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION																												
Water System Mechanical Asset Replacement				WAMAR3		2029		The Woodlands																												
PROJECT DESCRIPTION						PROJECT MAP/PICTURE																														
<p>The SJRA Woodlands Division water system contains several hundred mechanical assets including motors, pumps, chlorinators engines, motor control valves, generators, transfer switches, and motor control centers. As these assets reach the end of their useful life, these assets require replacement to maintain the current level of service. These replacements will be performed as part of an on-going series of projects.</p> <p>These funds will be utilized to replace various individual water system assets that do not meet the need for a larger project rehabilitation. This project will replace a generator automatic transfer switch, and uninterrupted power supplies (UPS) at three well sites and six elevated storage tank sites.</p>																																				
PROJECT SCHEDULE																																				
<table border="0"> <tr> <td>Initiate Cons. Selection:</td> <td>As Needed</td> <td><input checked="" type="checkbox"/> CSP</td> <td><input type="checkbox"/> O&M</td> </tr> <tr> <td>PSA/WO Issued:</td> <td>As Needed</td> <td><input type="checkbox"/> Other</td> <td><input type="checkbox"/> Bonds</td> </tr> <tr> <td>Final Proposal Docs:</td> <td>As Needed</td> <td></td> <td><input checked="" type="checkbox"/> R&R</td> </tr> <tr> <td>Proposals/Bids Received:</td> <td>As Needed</td> <td></td> <td><input type="checkbox"/> Other</td> </tr> <tr> <td>Constr. Contract to Board:</td> <td>As Needed</td> <td></td> <td></td> </tr> <tr> <td>Substantial Completion:</td> <td>As Needed</td> <td><input type="checkbox"/> Capitalized</td> <td><input checked="" type="checkbox"/> Expensed</td> </tr> </table>													Initiate Cons. Selection:	As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M	PSA/WO Issued:	As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds	Final Proposal Docs:	As Needed		<input checked="" type="checkbox"/> R&R	Proposals/Bids Received:	As Needed		<input type="checkbox"/> Other	Constr. Contract to Board:	As Needed			Substantial Completion:	As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed
Initiate Cons. Selection:	As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M																																	
PSA/WO Issued:	As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds																																	
Final Proposal Docs:	As Needed		<input checked="" type="checkbox"/> R&R																																	
Proposals/Bids Received:	As Needed		<input type="checkbox"/> Other																																	
Constr. Contract to Board:	As Needed																																			
Substantial Completion:	As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed																																	
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033																								
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																								
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																								
Construction	\$ 13,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 13,000	\$ -	\$ -	\$ -	\$ -																								
CPS, CM&I, and CMT	\$ 1,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,000	\$ -	\$ -	\$ -	\$ -																								
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																								
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																								
Total	\$ 14,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,000	\$ -	\$ -	\$ -	\$ -																								

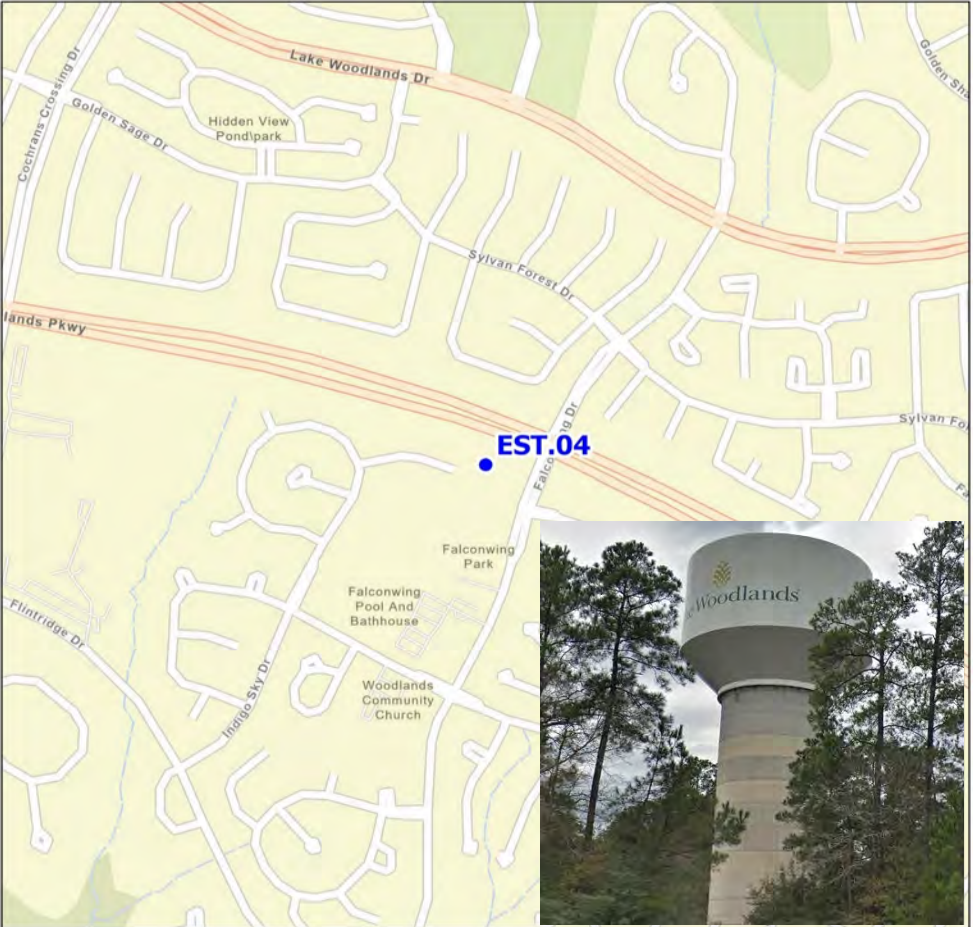
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA29WR		2029-2030		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 20, 35 and 36 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 20, 35 and 36 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well, lowering of the well pump, and increasing the motor size for the Jasper aquifer well.</p> <p>Water Well No. 20 - Evangeline Aquifer; Design GPM: 1,100 Water Well No. 35 - Jasper Aquifer; Design GPM: 1,700 Water Well No. 36 - Evangeline Aquifer; Design GPM: 950</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2029		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2029		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2029			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2029			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2029											
Substantial Completion:		FY 2030		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 140,000	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 1,405,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 491,750	\$ 913,250	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 140,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 49,000	\$ 91,000	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,685,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 680,750	\$ 1,004,250	\$ -	\$ -	\$ -	



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION						
Elevated Storage Tank No. 3 Rehabilitation				WAET3R		2029-2030		The Woodlands						
PROJECT DESCRIPTION				PROJECT MAP/PICTURE										
<p>Elevated Storage Tank No. 3 is a 750,000 gallon tank and was constructed in 1990. Based on an engineering report completed in 2013, the exterior and interior coating systems were replaced in 2017. A follow-up inspection of the tank will be completed in 2028 to identify the need and scope for any additional rehabilitation work. Anticipated rehabilitation of the tank includes recoating of the tank exterior and interior surfaces for maintenance and to continue to protect the exterior and interior from corrosion.</p> <p>To protect the metal structure from corrosion and to extend the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their protective value in about 12-15 years and require system replacement in order to continue to provide adequate corrosion protection. The useful life of an exterior coating is anticipated to be 10-12 years depending on the type of paint and thickness applied.</p> <p>Projected costs are based on previous work conducted and updated pricing estimates from third party engineering firms.</p>														
				PROJECT SCHEDULE				DELIVERY	FUNDING					
				Initiate Cons. Selection:		FY 2029		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M					
PSA/WO Issued:		FY 2029		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2029			<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2029			<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2029												
Substantial Completion:		FY 2030		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Engineering/Design	\$ 117,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,000	\$ -	\$ -	\$ -	\$ -		
Construction	\$ 1,172,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 117,200	\$ 1,054,800	\$ -	\$ -	\$ -		
CPS, CM&I, and CMT	\$ 117,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,700	\$ 105,300	\$ -	\$ -	\$ -		
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 1,406,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 245,900	\$ 1,160,100	\$ -	\$ -	\$ -		


*Budget includes contingency.

PROJECT NAME			PROJECT ID	FISCAL YEAR	DIVISION							
Elevated Storage Tank No. 4 Rehabilitation			WAET4R	2030-2031	The Woodlands							
PROJECT DESCRIPTION					PROJECT MAP/PICTURE							
<p>Elevated Storage Tank No. 4 is a 750,000 gallon tank and was constructed in 1990. Based on an engineering report completed in 2013, the exterior and interior coating systems were replaced in 2017 per the engineer's recommendation. A follow-up inspection of the tank will be completed in 2029 to identify the need and scope for any additional rehabilitation work. Anticipated rehabilitation of the tank includes recoating of the tank exterior and interior surfaces for maintenance and to continue to protect the exterior and interior from corrosion.</p> <p>To protect the metal structure from corrosion and to extend the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their protective value in about 12-15 years and require system replacement in order to continue to provide adequate corrosion protection. The useful life of an exterior coating is expected to be 10-12 years depending on the type of paint and thickness applied.</p> <p>Projected costs are based on previous work conducted and updated pricing estimates from third party engineering firms.</p>												
PROJECT SCHEDULE				DELIVERY	FUNDING							
Initiate Cons. Selection:	FY 2030			<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:	FY 2030			<input type="checkbox"/> Other	<input type="checkbox"/> Bonds							
Final Proposal Docs:	FY 2030				<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:	FY 2030				<input type="checkbox"/> Other							
Constr. Contract to Board:	FY 2030											
Substantial Completion:	FY 2031			<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 94,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 94,000	\$ -	\$ -	\$ -
Construction	\$ 943,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 141,450	\$ 801,550	\$ -	\$ -
CPS, CM&I, and CMT	\$ 94,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 14,100	\$ 79,900	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 1,131,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 249,550	\$ 881,450	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA30WR		2030-2031		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 16 and 22 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 16 and 22 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well if needed. No well lowering or capacity increase is planned for these two Evangeline aquifer wells.</p> <p>Water Well No. 16 - Evangeline Aquifer; Design GPM: 1,000 Water Well No. 22 - Evangeline Aquifer; Design GPM: 900</p> <p>Costs are based on previous well rehabilitation projects of similar scope.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:	FY 2030	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M										
PSA/WO Issued:	FY 2030	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds										
Final Proposal Docs:	FY 2030		<input checked="" type="checkbox"/> R&R										
Proposals/Bids Received:	FY 2030		<input type="checkbox"/> Other										
Constr. Contract to Board:	FY 2030												
Substantial Completion:	FY 2031												
BUDGET*		TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design		\$ 72,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 72,000	\$ -	\$ -	\$ -
Construction		\$ 723,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 180,750	\$ 542,250	\$ -	\$ -
CPS, CM&I, and CMT		\$ 72,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 18,000	\$ 54,000	\$ -	\$ -
Land Acquisition		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ 867,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 270,750	\$ 596,250	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Site Generator				WA1WGN		2030-2032		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The San Jacinto River Authority (SJRA) Woodlands Division owns and operates thirty-eight (38) groundwater wells. The groundwater produced by these wells is conveyed to the five (5) water plants where it is mixed with surface water, chlorinated, and pumped into the distribution system.</p> <p>Currently backup power at off-site (non-water plant) well locations and wells at elevated storage tank sites (EST) is provided by natural gas auxiliary engines (except EST 5), which are connected to water wells via a right-angle gear connection, which has to be manually engaged during a power outage to operate only the well. Most of the existing engines are over 20 years in age, and will be reaching the end of their useful life by 2045. Therefore, the SJRA Woodlands Division has implemented a program to replace the existing auxiliary engines with natural gas or diesel generators (as the sites permit) as the end of service life approaches. The well site locations where the replacement could take place are for the Wells 7/8 site, Wells 9/10 (at EST 3), Wells 11/12 site, Wells 15/16 site, Wells 17/18 site, Wells 21/22 site, Wells 23/24 site, Wells 31/32, Wells 33/34 (at EST 7), Wells 35/36, Wells 37/38 and Well 39.</p> <p>Costs were based on previous installation costs of generators of similar size at other SJRA facilities.</p>													
PROJECT SCHEDULE				DELIVERY		FUNDING							
Initiate Cons. Selection:		FY 2030		<input checked="" type="checkbox"/> CSP		<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2030		<input type="checkbox"/> Other		<input type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2030				<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2030				<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2031											
Substantial Completion:		FY 2032		<input checked="" type="checkbox"/> Capitalized		<input type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 42,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 42,000	\$ -	\$ -	\$ -	
Engineering/Design	\$ 83,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 62,250	\$ 20,750	\$ -	\$ -	
Construction	\$ 857,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 642,750	\$ 214,250	\$ -	
CPS, CM&I, and CMT	\$ 86,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 64,500	\$ 21,500	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,068,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 104,250	\$ 728,000	\$ 235,750	\$ -	

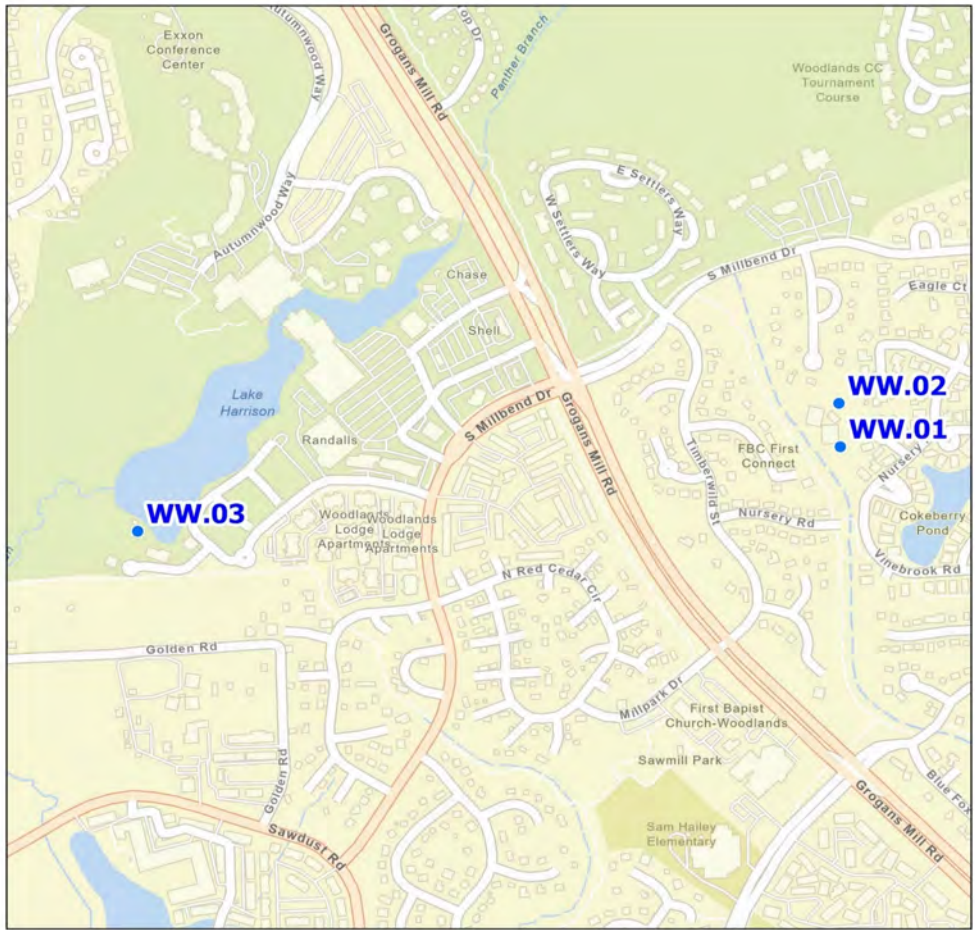
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA31WR		2031-2032		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 18 and 39 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 18 and 39 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well and lowering of the well pump and increasing the motor size for the Jasper aquifer well.</p> <p>Water Well No. 18 - Evangeline Aquifer; Design GPM: 900 Water Well No. 39 - Jasper Aquifer; Design GPM: 2,000</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2031	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2031	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2031		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2031		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2031											
Substantial Completion:		FY 2032	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 97,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 97,000	\$ -	\$ -	
Construction	\$ 965,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 48,250	\$ 916,750	\$ -	
CPS, CM&I, and CMT	\$ 97,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,850	\$ 92,150	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,159,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 150,100	\$ 1,008,900	\$ -	


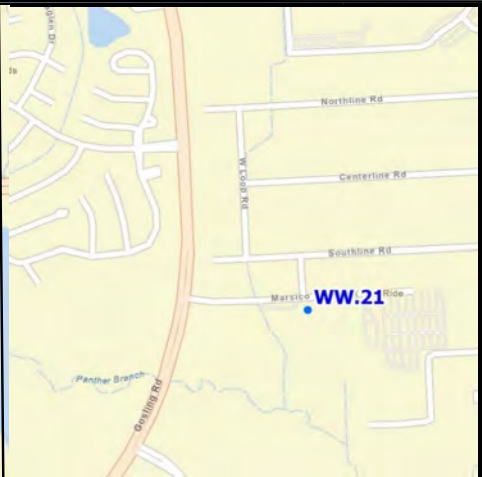

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION						
Water System Mechanical Asset Replacement				WAMAR4		2031-2032		The Woodlands						
PROJECT DESCRIPTION						PROJECT MAP/PICTURE								
<p>The SJRA Woodlands Division water system contains several hundred mechanical assets including motors, pumps, chlorinators, engines, motor control valves, generators, transfer switches, and motor control centers. As these assets reach the end of their useful life, these assets require replacement to maintain the current level of service. These replacements will be performed as part of an on-going series of projects.</p> <p>These funds will be utilized to replace various individual water system assets that do not meet the need for a larger project rehabilitation. This project includes replacement costs for a water plant site fence replacement, a booster pump, and four well auxiliary engines, including modifications to existing engine foundations.</p>														
PROJECT SCHEDULE				DELIVERY	FUNDING									
Initiate Cons. Selection:		As Needed		<input checked="" type="checkbox"/> CSP <input type="checkbox"/> Other	<input type="checkbox"/> O&M									
PSA/WO Issued:		As Needed			<input type="checkbox"/> Bonds									
Final Proposal Docs:		As Needed			<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		As Needed			<input type="checkbox"/> Other									
Constr. Contract to Board:		As Needed												
Substantial Completion:		As Needed		<input type="checkbox"/> Capitalized <input checked="" type="checkbox"/> Expensed										
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026									2027
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Engineering/Design	\$ 30,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 30,000	\$ -	\$ -		
Construction	\$ 1,285,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 642,500	\$ 642,500	\$ -		
CPS, CM&I, and CMT	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 5,000	\$ 5,000	\$ -		
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 1,325,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 677,500	\$ 647,500	\$ -		

*Budget includes contingency.


PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION																
Abandon Water Well Nos. 1, 2 and 3				WA123A		2032-2033			The Woodlands																
PROJECT DESCRIPTION						PROJECT MAP/PICTURE																			
<p>The expected useful life of a water well is 50 years, unless operational or structural issues arise that would reduce the life of the well.</p> <p>Water Well Nos. 1, 2 and 3 were installed in 1974, 1982 and 1979, respectively. By 2030, these water wells will be near or over 50 years of age, and in some cases, have already had operational and/or structural issues which prohibit or reduce their rehabilitation potential. These water wells reside in the Lower Pressure Plane of the Woodlands system. Water Well No. 1 pumps from the Evangeline Aquifer and Water Well Nos. 2 and 3 pump from the Upper Jasper Aquifer.</p> <p>Unless operational issues with the well occur sooner, it is planned to abandon these wells after a new well is drilled to maintain the same water yield, systemwide. The budgeted costs are based upon a previous well abandonment and estimates from third-party consultants.</p> <table><tr><td>Water Well No. 1</td><td>Water Well No. 2</td><td>Water Well No. 3</td></tr><tr><td>Design GPM: 450</td><td>Design GPM: 1,200</td><td>Design GPM: 1,300</td></tr><tr><td>Evangeline Aquifer</td><td>Jasper Aquifer</td><td>Jasper Aquifer</td></tr><tr><td>Installed: 1973</td><td>Installed: 1979</td><td>Installed: 1979</td></tr></table>						Water Well No. 1	Water Well No. 2	Water Well No. 3	Design GPM: 450	Design GPM: 1,200	Design GPM: 1,300	Evangeline Aquifer	Jasper Aquifer	Jasper Aquifer	Installed: 1973	Installed: 1979	Installed: 1979								
						Water Well No. 1	Water Well No. 2	Water Well No. 3																	
						Design GPM: 450	Design GPM: 1,200	Design GPM: 1,300																	
						Evangeline Aquifer	Jasper Aquifer	Jasper Aquifer																	
Installed: 1973	Installed: 1979	Installed: 1979																							
PROJECT SCHEDULE				DELIVERY	FUNDING																				
Initiate Cons. Selection:		FY 2032		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M																				
PSA/WO Issued:		FY 2032		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds																				
Final Proposal Docs:		FY 2032			<input checked="" type="checkbox"/> R&R																				
Proposals/Bids Received:		FY 2032			<input type="checkbox"/> Other																				
Constr. Contract to Board:		FY 2032																							
Substantial Completion:		FY 2033		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed																				
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033													
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -													
Engineering/Design	\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,000	\$ -													
Construction	\$ 543,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 543,000													
CPS, CM&I, and CMT	\$ 54,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,000													
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -													
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -													
Total	\$ 651,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 54,000	\$ 597,000													

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA32WR		2032-2034		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 15, 21, 23 and 24 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 15, 21, 23 and 24 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well and lowering of the well pump and increasing the motor size for the Jasper aquifer wells.</p> <p>Water Well No. 15 - Jasper Aquifer; Design GPM: 1,600 Water Well No. 21 - Jasper Aquifer; Design GPM: 1,600 Water Well No. 23 - Jasper Aquifer; Design GPM: 1,500 Water Well No. 24 - Evangeline Aquifer; Design GPM: 900</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>													
													
													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection: FY 2032				<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued: FY 2032				<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs: FY 2033					<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received: FY 2033					<input type="checkbox"/> Other								
Constr. Contract to Board: FY 2033													
Substantial Completion: FY 2034				<input type="checkbox"/> Capitalized <input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 219,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 131,400	\$ 87,600	
Construction	\$ 656,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 656,400	
CPS, CM&I, and CMT	\$ 65,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 65,700	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 941,100	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 131,400	\$ 809,700	

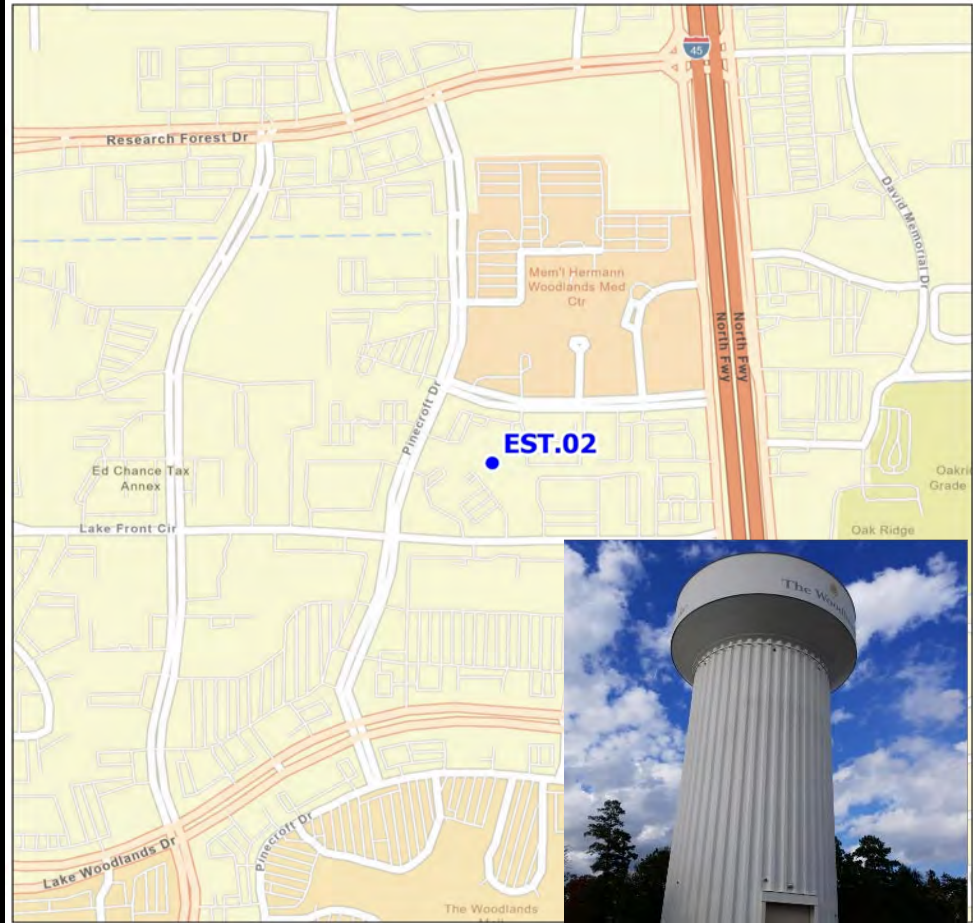
*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$2,626,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Site Generator				WA2WGN		2032-2034		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The San Jacinto River Authority (SJRA) Woodlands Division owns and operates thirty-eight (38) groundwater wells. The groundwater produced by these wells is conveyed to the five (5) water plants where it is mixed with surface water, chlorinated, and pumped into the distribution system.</p> <p>Currently backup power at off-site (non-water plant) well locations and wells at elevated storage tank sites (EST) is provided by natural gas auxiliary engines (except EST 5), which are connected to water wells via a right-angle gear connection, which has to be manually engaged during a power outage to operate only the well. Most of the existing engines are over 20 years in age, and will be reaching the end of their useful life by 2045. Therefore, the SJRA Woodlands Division has implemented a program to replace the existing auxiliary engines with natural gas or diesel generators (as the sites permit) as the end of service life approaches. The well site locations where the replacement could take place are for the Wells 7/8 site, Wells 9/10 (at EST 3), Wells 11/12 site, Wells 15/16 site, Wells 17/18 site, Wells 21/22 site, Wells 23/24 site, Wells 31/32, Wells 33/34 (at EST 7), Wells 35/36, Wells 37/38 and Well 39.</p> <p>Costs were based on previous installation costs of generators of similar size at other SJRA facilities.</p>													
PROJECT SCHEDULE			DELIVERY	FUNDING									
Initiate Cons. Selection:			FY 2032	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:			FY 2032	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:			FY 2032		<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:			FY 2032		<input type="checkbox"/> Other								
Constr. Contract to Board:			FY 2033										
Substantial Completion:			FY 2034	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 88,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,000	\$ -	
Engineering/Design	\$ 88,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 88,000	\$ -	
Construction	\$ 454,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 454,500	
CPS, CM&I, and CMT	\$ 45,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 45,500	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 676,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 176,000	\$ 500,000	



*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$1,176,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION				
Elevated Storage Tank No. 2 Rehabilitation				WAET2R		2033-2034		The Woodlands				
PROJECT DESCRIPTION				PROJECT MAP/PICTURE								
<p>Elevated Storage Tank No. 2 is a 1,000,000 gallon tank and was constructed in 1982. Based on an engineering report completed in 2013, the exterior and interior coating systems were replaced in 2020 per the engineer's recommendation. A follow-up inspection of the tank will be completed in 2032 to identify the need and scope for any additional rehabilitation work. Anticipated rehabilitation of the tank includes recoating of the tank exterior and interior surfaces for maintenance and to continue to protect the exterior and interior from corrosion.</p> <p>To protect the metal structure from corrosion and to extend the useful life of the tank, periodic protective coating system replacement is required. Interior coating systems meet their protective value in about 12-15 years and require system replacement in order to continue to provide adequate corrosion protection. The useful life of an exterior coating is expected to be 10-12 years depending on the type of paint and thickness applied.</p> <p>Projected costs are based on previous work conducted and updated pricing estimates from third party engineering firms.</p>												
				PROJECT SCHEDULE				DELIVERY	FUNDING			
				Initiate Cons. Selection:		FY 2033		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M			
PSA/WO Issued:		FY 2033		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2033			<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2033			<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2033										
Substantial Completion:		FY 2034		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 141,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 141,000
Construction	\$ 703,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 703,500
CPS, CM&I, and CMT	\$ 70,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 70,500
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 915,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 915,000

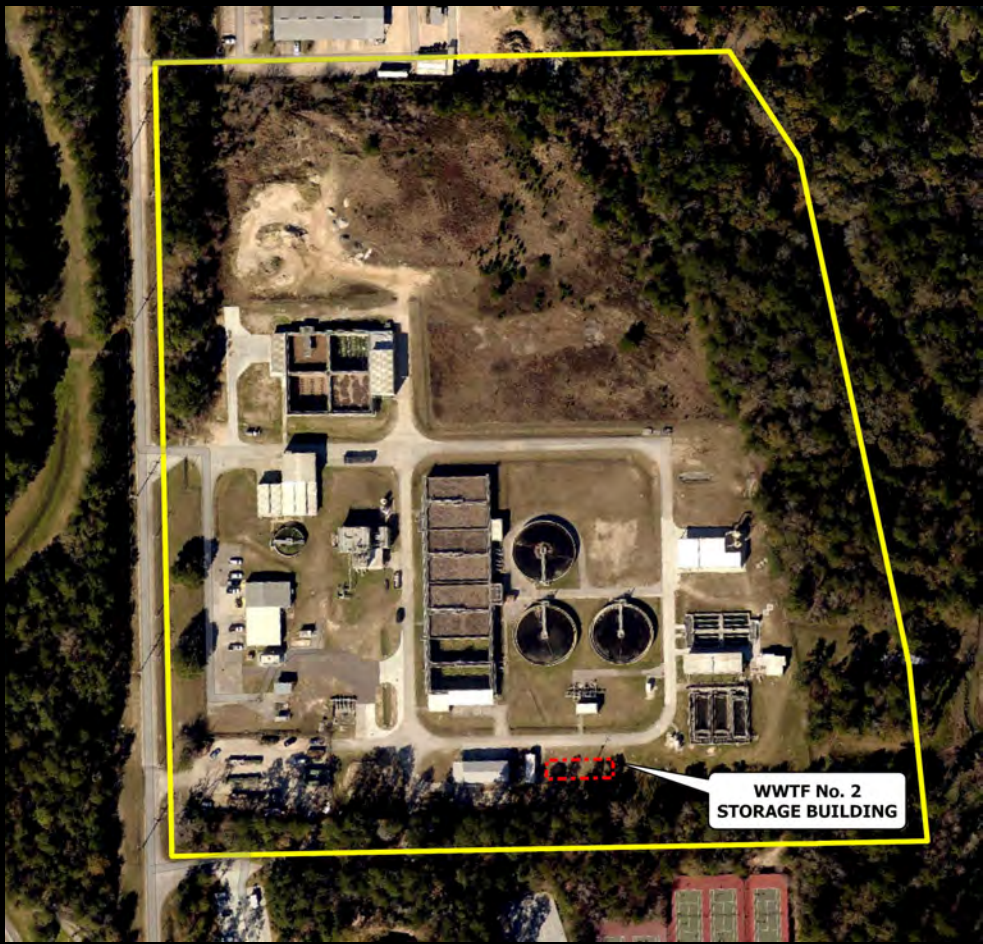
*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$1,689,000.


PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well Rehabilitation				WA33WR		2033-2034		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. Consequently, continued well rehabilitation is necessary in order to prolong service life and minimize risk of failure. Through constant evaluation of well equipment and pumpage, SJRA determines which well(s) may require rehabilitation. The targeted well(s) are compared to the long-term water production needs of The Woodlands, then evaluated based on the well retirement plan for rehabilitation or abandonment.</p> <p>Based upon an evaluation of the 38 water wells, Well Nos. 13 and 37 are anticipated to have the need for rehabilitation based upon date of last previous rehabilitation and production capabilities. Rehabilitation of Well Nos. 13 and 37 will begin with an inspection of all well related equipment and a video of the well. Based upon the inspection, the project may include replacement of pump and well equipment; wire brushing the well screen section; jetting out and removing fill material from the bottom of the well; and performing acid chemical treatment of the well screen sections. Rehabilitation may also include adding gravel pack material to the well and lowering of the well pump and increasing the motor size at both locations.</p> <p>Water Well No. 13 - Jasper Aquifer; Design GPM: 1,500 Water Well No. 37 - Jasper Aquifer; Design GPM: 1,500</p> <p>Costs are based on previous well rehabilitation projects of similar scope and pricing to replace the well motors.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2033	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2033	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2033		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2033		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2033											
Substantial Completion:		FY 2034	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 171,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 171,000	
Construction	\$ 513,600	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 513,600	
CPS, CM&I, and CMT	\$ 51,300	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 51,300	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 735,900	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 735,900	

*Budget includes contingency.


**Project extends into FY2034. The total project cost is \$2,054,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Wastewater Treatment Facility No. 2 Storage Building				WWERSC		2023-2024		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>This project is for the construction of a metal building, tentatively sized at 30’ x 60’ with an attached 30’ x 40’ awning, at Wastewater Treatment Facility (WWTF) No. 2. The purpose of the building is for the following: proper and secure storage of repair materials for pipelines, storage of rolling stock, and manhole repair stock. Currently, repair materials and equipment are stored in multiple locations around WWTF No. 1 site. Some of these materials, due to size, are being stored outside which reduces the lifespan of the material due to composition breakdown with UV exposure. Rolling stock is also stored outside in the elements, reducing its service life.</p> <p>The cost budget for this project was based upon a similar building built adjacent to this proposed structure as well as estimates from third-party engineering consultants.</p>													
PROJECT SCHEDULE			DELIVERY	FUNDING									
Initiate Cons. Selection:			Complete	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:			Complete	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:			FY 2023 - Q4		<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:			FY 2024 - Q1		<input type="checkbox"/> Other								
Constr. Contract to Board:			FY 2024 - Q1										
Substantial Completion:			FY 2024 - Q4	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 41,000	\$ 41,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 410,000	\$ 205,000	\$ 205,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 41,000	\$ 20,500	\$ 20,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 492,000	\$ 266,500	\$ 225,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
WWTF No. 2 Headworks Rehabilitation				WWP2HW		2022-2024		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The Headworks at Wastewater Treatment Facility No. 2 was built as part of the original Phase I of the facility in 1996. The facility was inspected in 2018 and moderate degradation of the concrete was found. A third-party engineering consultant performed a comprehensive condition assessment in mid-2022 of the headworks structure and found significant concrete deterioration in the bar screen and grit chambers. In addition, the influent lift station was inspected and the pump piping was found to be heavily corroded and requires replacement.</p> <p>The construction project at this facility will include comprehensive rehabilitation of the concrete surfaces, including blast cleaning of the surfaces, replacement of reinforcement and concrete repairs as necessary, and final coating with a non-reactive coating that will extend the life of the structure. In addition, the basin isolation gates will be replaced, and a stairway will be installed to connect the adjacent aeration basin splitter box to the headworks structure for safer access. At the influent lift station, the pump piping will be replaced. The budget for construction was confirmed by the third-party engineering consultant for this scope of work.</p>													
PROJECT SCHEDULE			DELIVERY	FUNDING									
Initiate Cons. Selection:	FY 2021 - Q3	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M										
PSA/WO Issued:	FY 2021 - Q4	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds										
Final Proposal Docs:	FY 2023 - Q3		<input checked="" type="checkbox"/> R&R										
Proposals/Bids Received:	FY 2023 - Q3		<input type="checkbox"/> Other										
Constr. Contract to Board:	FY 2023 - Q4												
Substantial Completion:	FY 2024 - Q4	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed										
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 109,000	\$ 109,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 135,000	\$ 135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 1,323,636	\$ 264,727	\$ 1,058,909	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 132,364	\$ 26,473	\$ 105,891	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,700,000	\$ 535,200	\$ 1,164,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION				
WWTF No. 2 Tertiary Filter Improvements (2nd and 3rd Filter)				WW02FR		2021-2025		The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE						
<p>Wastewater Treatment Facility (WWTF) No. 2 utilizes tertiary filters to treat effluent prior to disinfection. Filters 1 and 2 are sand filters, while Filter 3 was replaced with a new cloth media filter in 2016. The current sand filters are rated for 2 MG of flow each, with the one installed cloth media filter rated for 6 MG of flow. The TCEQ discharge permit allows for 15.6 MG of flow during a rain event, of which only 10.0 MG is able to be treated with the current filters.</p> <p>Existing sand filters 1 and 2 have been in service since 2006, have a service life of 15-25 years, are rated for 2 MG each, and have experienced performance issues which limit wastewater flows through WWTF No. 2. This project will replace the remaining two sand filters with cloth media filters which will eliminate the performance issues and allow all flow during a rain event to pass through the filters.</p> <p>An evaluation was conducted in 2021 to determine the capital and O&M cost of replacing the existing unit with a similar unit versus a modification to a newer technology (cloth media). To replace the existing unit with a similar unit, capital and O&M costs were \$106.85/MG and \$27.40, respectively. The capital and O&M cost to modify to cloth media is \$41.76/MG and \$7.99/MG, respectively.</p> <p>Costs are based on an design that was done in 2021 and updated recently with current pricing (2023).</p>												
PROJECT SCHEDULE				DELIVERY	FUNDING							
Initiate Cons. Selection:		FY 2020 - Q4		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2021 - Q1		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2022 - Q2			<input checked="" type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2024 - Q2			<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2024 - Q3										
Substantial Completion:		FY 2025 - Q3		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ 100,000	\$ 100,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 276,118	\$ 266,118	\$ 10,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 5,203,000	\$ -	\$ 1,040,600	\$ 4,162,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 521,000	\$ -	\$ 104,200	\$ 416,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 6,100,118	\$ 366,118	\$ 1,154,800	\$ 4,579,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME			PROJECT ID		FISCAL YEAR		DIVISION																															
Forcemain Renewal			WW22FM		2022-2027		The Woodlands																															
PROJECT DESCRIPTION					PROJECT MAP/PICTURE																																	
<p>Some parts of the existing collection system have been in service for over 40 years. The aging system requires renewal to avoid collection system failure. Through the Asset Management Program and site specific condition assessments, specific force mains were identified as high risk for failure and were evaluated for rehabilitation or replacement. Condition assessments including a desktop analysis, televising of the force main and a physical inspection to determine estimated remaining useful life.</p> <p>Based on the information above and the service life of concrete lined ductile iron pipe (40-50 years), a prioritized list of lift station force main renewal was established. Costs were determined based upon recent force main line replacement costs for the certain pipe diameter and multiplied by the length to be replaced.</p> <table border="1"> <thead> <tr> <th>Lift station</th> <th>Installed</th> <th>Rehabilitation Priority</th> </tr> </thead> <tbody> <tr><td>No. 21</td><td>1982</td><td>1</td></tr> <tr><td>No. 1</td><td>1973</td><td>2</td></tr> <tr><td>No. 13</td><td>1983</td><td>3</td></tr> <tr><td>No. 7</td><td>1979</td><td>4</td></tr> <tr><td>No. 11</td><td>1982</td><td>5</td></tr> <tr><td>No. 10</td><td>1980</td><td>6</td></tr> <tr><td>No. 9</td><td>1981</td><td>7</td></tr> <tr><td>No. 19</td><td>1982</td><td>8</td></tr> </tbody> </table>					Lift station	Installed	Rehabilitation Priority	No. 21	1982	1	No. 1	1973	2	No. 13	1983	3	No. 7	1979	4	No. 11	1982	5	No. 10	1980	6	No. 9	1981	7	No. 19	1982	8							
Lift station	Installed	Rehabilitation Priority																																				
No. 21	1982	1																																				
No. 1	1973	2																																				
No. 13	1983	3																																				
No. 7	1979	4																																				
No. 11	1982	5																																				
No. 10	1980	6																																				
No. 9	1981	7																																				
No. 19	1982	8																																				
<table border="1"> <thead> <tr> <th colspan="2">PROJECT SCHEDULE</th> <th>DELIVERY</th> <th>FUNDING</th> </tr> </thead> <tbody> <tr> <td>Initiate Cons. Selection:</td> <td>As Needed</td> <td><input checked="" type="checkbox"/> CSP</td> <td><input type="checkbox"/> O&M</td> </tr> <tr> <td>PSA/WO Issued:</td> <td>As Needed</td> <td><input type="checkbox"/> Other</td> <td><input type="checkbox"/> Bonds</td> </tr> <tr> <td>Final Proposal Docs:</td> <td>As Needed</td> <td></td> <td><input checked="" type="checkbox"/> R&R</td> </tr> <tr> <td>Proposals/Bids Received:</td> <td>As Needed</td> <td></td> <td><input type="checkbox"/> Other</td> </tr> <tr> <td>Constr. Contract to Board:</td> <td>As Needed</td> <td></td> <td></td> </tr> <tr> <td>Substantial Completion:</td> <td>As Needed</td> <td><input type="checkbox"/> Capitalized</td> <td><input checked="" type="checkbox"/> Expensed</td> </tr> </tbody> </table>					PROJECT SCHEDULE		DELIVERY	FUNDING	Initiate Cons. Selection:	As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M	PSA/WO Issued:	As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds	Final Proposal Docs:	As Needed		<input checked="" type="checkbox"/> R&R	Proposals/Bids Received:	As Needed		<input type="checkbox"/> Other	Constr. Contract to Board:	As Needed			Substantial Completion:	As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed						
PROJECT SCHEDULE		DELIVERY	FUNDING																																			
Initiate Cons. Selection:	As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M																																			
PSA/WO Issued:	As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds																																			
Final Proposal Docs:	As Needed		<input checked="" type="checkbox"/> R&R																																			
Proposals/Bids Received:	As Needed		<input type="checkbox"/> Other																																			
Constr. Contract to Board:	As Needed																																					
Substantial Completion:	As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed																																			
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033																										
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										
Engineering/Design	\$ 347,800	\$ 12,500	\$ 84,150	\$ 84,000	\$ 83,000	\$ 84,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										
Construction	\$ 3,482,400	\$ 125,000	\$ 841,700	\$ 840,000	\$ 834,000	\$ 841,700	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										
CPS, CM&I, and CMT	\$ 347,800	\$ 12,500	\$ 84,150	\$ 84,000	\$ 83,000	\$ 84,150	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										
Total	\$ 4,178,000	\$ 150,000	\$ 1,010,000	\$ 1,008,000	\$ 1,000,000	\$ 1,010,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																										

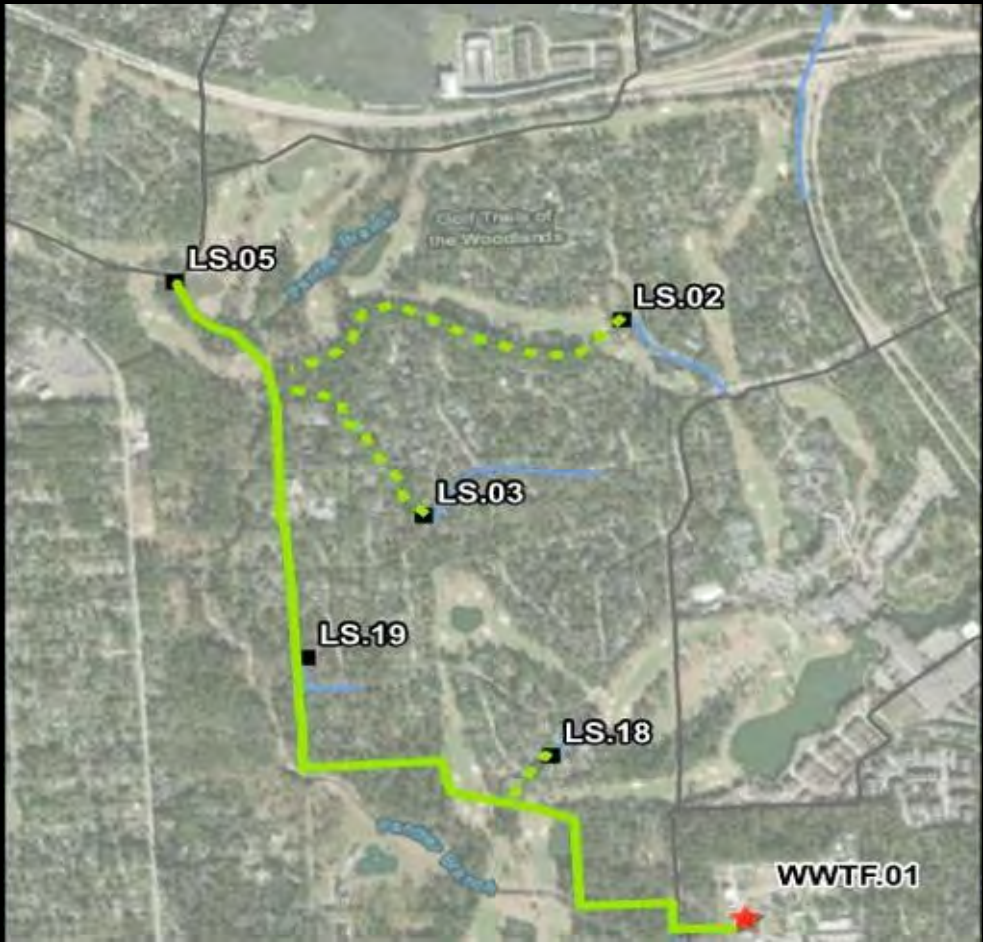
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Wastewater System Technology Improvements				WWWSTI		2023-2033		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The Woodlands Division water and wastewater systems have various software and technology assets that require updating and replacement in order to achieve or maintain efficiencies. The Division uses software for operational data storage, calculating and reporting, modeling of water and wastewater systems, GIS mapping, SCADA data storage and reporting, electronic record keeping, and asset management. These software's generally require occasional updates based on technological advancements as well as process changes within the water and wastewater systems.</p> <p>This funding, based upon previous costs of purchases and contracts, will be used to maintain and update business technology in terms of software functionality, hardware needs, and hardware required for updated software.</p>													
PROJECT SCHEDULE			DELIVERY	FUNDING									
Initiate Cons. Selection:			As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:			As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:			As Needed		<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:			As Needed		<input type="checkbox"/> Other								
Constr. Contract to Board:			As Needed										
Substantial Completion:			As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 142,500	\$ 12,500	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	\$ 13,000	
Construction	\$ 1,375,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	
CPS, CM&I, and CMT	\$ 132,500	\$ 12,500	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	\$ 12,000	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,650,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	

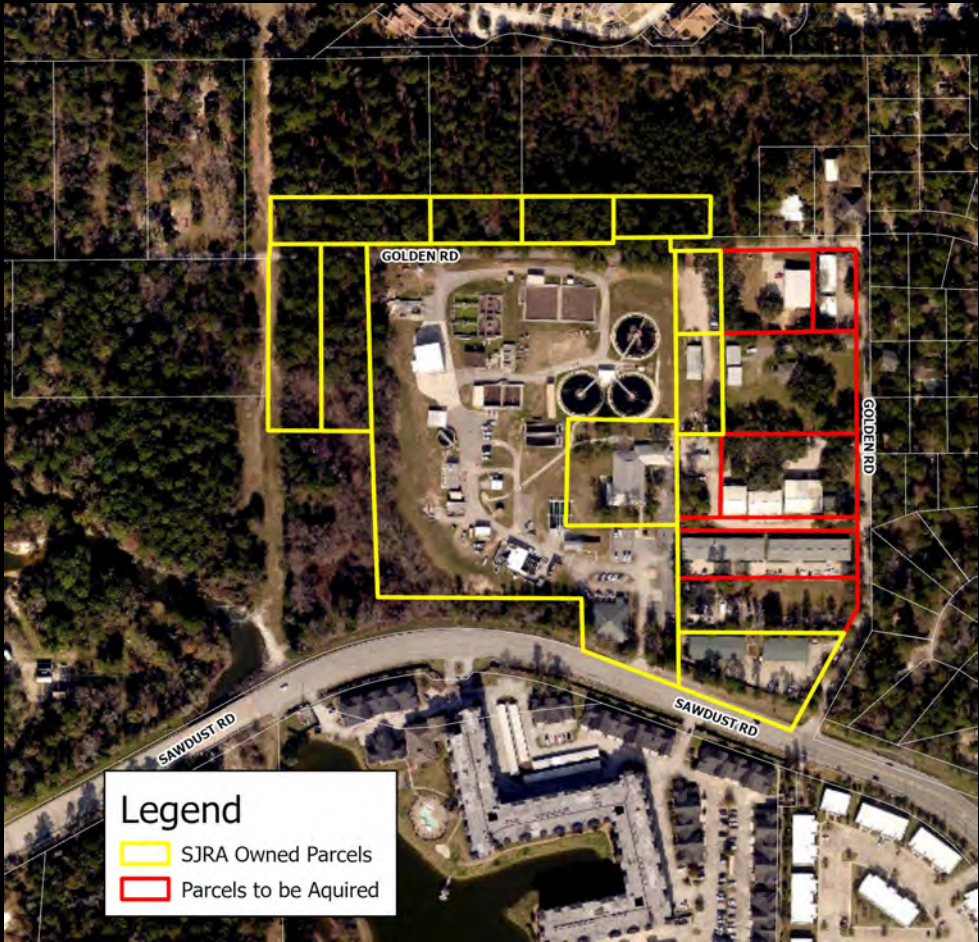
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Lift Station Rehabilitation				WW21LS		2021-2030			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>Each year, a comprehensive evaluation of all thirty lift stations in The Woodlands is conducted. This evaluation includes visual inspection and condition assessment ranking of each lift station by SJRA staff which results in a prioritized list of lift stations to be rehabilitation. In addition, the Sanitary Sewer Transmission Asset Renewal Program included a comprehensive condition assessment, with results incorporated into SJRA's prioritized list. Based on this list, several lift stations were identified as needing minor rehabilitation work, such as replacement or addition of the wet well coating, minor structural repairs, and minor electrical improvements. This project, and lift station projects in the future, will allow for on-going maintenance and rehabilitation to extend the effective useful life of the thirty lift stations, and prevent the likelihood of failure requiring emergency repairs. In addition, consideration will be taken to elevate controls for facilities in flood-prone locations, and to add back-up power systems at strategic locations to ensure for continued service during power outages. Budget costs are based upon costs required for recent rehabilitation of other lift stations in the system.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		As Needed	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		As Needed		<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		As Needed		<input type="checkbox"/> Other									
Constr. Contract to Board:		As Needed											
Substantial Completion:		As Needed	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 220,000	\$ 54,000	\$ -	\$ 22,000	\$ 22,000	\$ 23,000	\$ 24,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ -	\$ -	
Construction	\$ 2,396,000	\$ 738,000	\$ -	\$ 218,000	\$ 223,000	\$ 229,000	\$ 236,000	\$ 243,000	\$ 251,000	\$ 258,000	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 220,000	\$ 54,000	\$ -	\$ 22,000	\$ 22,000	\$ 23,000	\$ 24,000	\$ 24,000	\$ 25,000	\$ 26,000	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 2,836,000	\$ 846,000	\$ -	\$ 262,000	\$ 267,000	\$ 275,000	\$ 284,000	\$ 291,000	\$ 301,000	\$ 310,000	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION						
Wastewater Conveyance Optimization Land Acquisition				WWCOLA		2024-2027		The Woodlands						
PROJECT DESCRIPTION				PROJECT MAP/PICTURE										
<p>The existing wastewater infrastructure is aging with several treatment and conveyance components reaching the end of their useful life. Through the Wastewater Strategic Planning efforts an option to construct a new gravity main was explored. This proposed infrastructure would eliminate the need to for up to five (5) lift stations. Operating, maintaining, and rehabilitation of lift stations can be a costly expense. By eliminating the lift stations, a point of potential mechanical or electrical failure, noise, and odor will be reduced in the overall conveyance system.</p> <p>The proposed new gravity main will provide for the reliable long term conveyance of wastewater to the new proposed WWTF No. 1. In order to construct the proposed conveyance infrastructure a route study will need to be completed and potentially new easements will need to be acquired from land owners. This project includes a budget for property research, survey, appraisals, legal services, purchase costs, and other expenditures associated with acquiring new and additional easements and property rights to construct, operate, and maintain the new proposed conveyance infrastructure.</p>														
PROJECT SCHEDULE			DELIVERY											FUNDING
Initiate Cons. Selection:	FY 2024 - Q1	<input type="checkbox"/> CSP	<input type="checkbox"/> O&M											
PSA/WO Issued:	FY2024 - Q2	<input checked="" type="checkbox"/> Other	<input type="checkbox"/> Bonds											
Final Proposal Docs:	N/A		<input checked="" type="checkbox"/> R&R											
Proposals/Bids Received:	N/A		<input type="checkbox"/> Other											
Constr. Contract to Board:	N/A													
Substantial Completion:	N/A	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed											
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
CPS, CM&I, and CMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Land Acquisition	\$ 5,000,000	\$ -	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 5,000,000	\$ -	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Land Acquisition				WWF1LA		2024-2026		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing wastewater infrastructure is aging with several treatment and conveyance components reaching the end of their useful life. Through the Wastewater Strategic Planning efforts, one of the primary recommendations is to replace WWTF No. 1. The proposed facility will require the acquisition of new fee property and potential easements from land owners. This project includes a budget for property research, survey, appraisals, legal services, purchase costs, and other expenditures associated with acquiring the property rights to construct, operate, and maintain the new proposed wastewater treatment facility.</p> <p>The areas outlined in red on the picture are the proposed parcels to acquire.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING	<div>Legend</div> <div><div></div> SJRA Owned Parcels</div> <div><div></div> Parcels to be Acquired</div>							
Initiate Cons. Selection:		FY 2023 - Q4		<input type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY2024 - Q1		<input checked="" type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		N/A			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		N/A			<input type="checkbox"/> Other								
Constr. Contract to Board:		N/A											
Substantial Completion:		N/A		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ 5,000,000	\$ -	\$ 1,670,000	\$ 1,670,000	\$ 1,660,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 5,000,000	\$ -	\$ 1,670,000	\$ 1,670,000	\$ 1,660,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
WWTF No. 2 Belt Press and Conveyor Replacement				WW2SCR		2027-2030		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>Wastewater Treatment Facility (WWTF) No. 2 includes a 1.5 meter belt press and sludge conveyor system, installed in 1997. Additionally, in 2003 a 2.0 meter belt press was installed. These belt filter presses and the conveyor are experiencing recurring mechanical issues which require more frequent repairs. Replacing both belt presses with modern technology is expected to increase the percentage of solids production, decrease the chemical costs, and decrease overall operation and maintenance costs. The metal building will also be replaced as it will be reaching the end of its useful life and is showing signs of corrosion due to the humid environment.</p> <p>The current conveyor system is steep and has required modification over its service life to reduce potential safety issues. The current belt-type conveyor system will be replaced with a screw-type conveyance system. The screw-type conveyor is in an enclosed unit, which will prevent spillage of dewatered sludge onto the floor, eliminating the need for regular cleaning.</p> <p>Costs for this project were estimated based upon a previous belt press facility constructed at WWTF No. 1, as well as condition assessment and capacity studies in 2016 and 2022.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2027		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2027		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2027			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2027			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2028											
Substantial Completion:		FY 2030		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 618,000	\$ -	\$ -	\$ -	\$ -	\$ 618,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 618,000	\$ -	\$ -	\$ -	\$ -	\$ 185,400	\$ 432,600	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 6,369,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 955,350	\$ 3,184,500	\$ 2,229,150	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 637,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 95,550	\$ 318,500	\$ 222,950	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 8,242,000	\$ -	\$ -	\$ -	\$ -	\$ 803,400	\$ 1,483,500	\$ 3,503,000	\$ 2,452,100	\$ -	\$ -	\$ -	



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
WWTF No. 2 Clarifier Rehabilitation				WW02CR		2031-2032		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>Two clarifiers at Wastewater Treatment Facility (WWTF) No. 2 were installed in 1995, and one clarifier was installed in 2003. The existing metal components are beginning to show signs of corrosion, however, the corrosion is currently being monitored and temporarily mitigated with patch repairs. Typical effective useful life for wastewater treatment facility mechanical equipment is 20 years. The mechanical equipment in all three clarifiers is reaching the end of their useful life. Therefore, it is recommended to replace this equipment at all three clarifiers.</p> <p>The project includes replacement of the mechanical components of Clarifier Nos. 1, 2 and 3 including clarifier mechanisms, weirs and baffles, weir cleaning brushes, electrical, and instrumentation. This includes replacement of single skimmer arms with dual skimmer arms, and replacement of the Clarifier No. 3 stilling well.</p> <p>Costs are estimated using previous clarifier rehabilitation pricing and recent mechanical equipment pricing.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2030		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2031		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2031			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2031			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2031											
Substantial Completion:		FY 2032		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 220,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220,000	\$ -	\$ -	
Construction	\$ 1,654,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,654,000	\$ -	
CPS, CM&I, and CMT	\$ 166,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 166,000	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 2,040,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 220,000	\$ 1,820,000	\$ -	

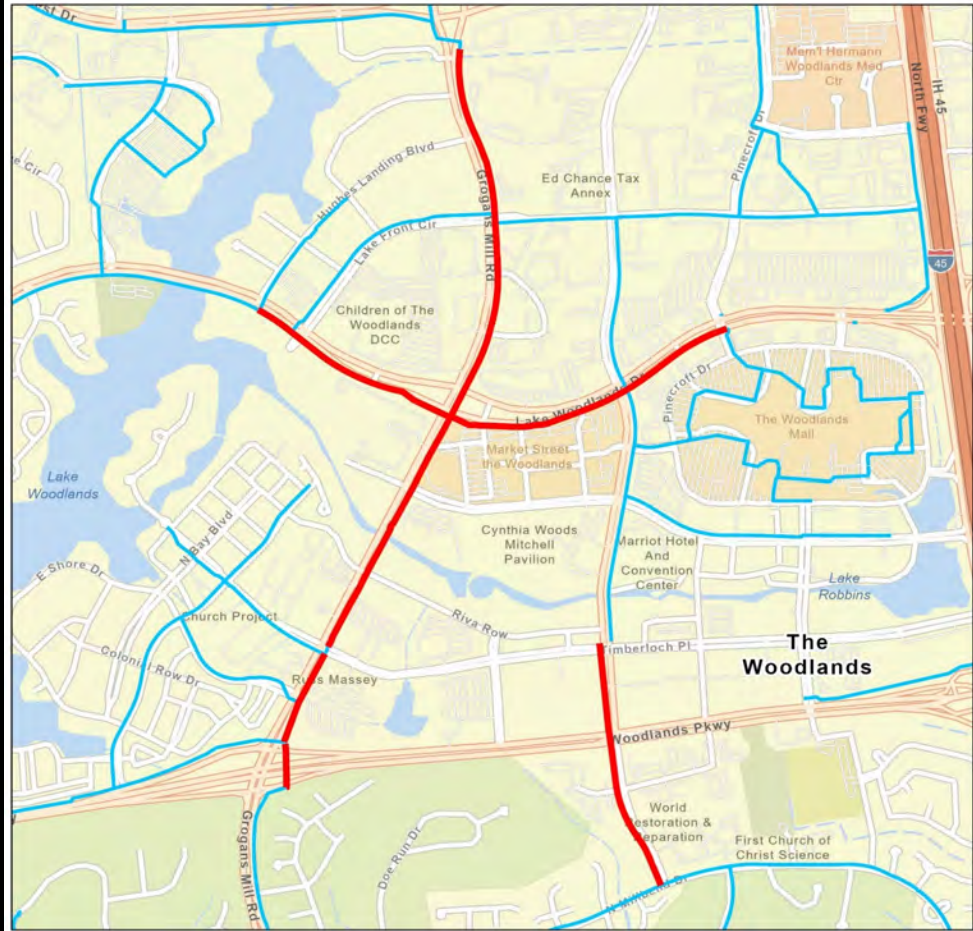
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION					
WWTF No. 2 Basin Coating				WWP2BC		2031-2033			The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE								
<p>Wastewater Treatment Facility No. 2 was primarily constructed in two phases, with Phase I occurring in 1995 and Phase II occurring in 2003. Long-term exposure to corrosive gas in the wastewater facility will degrade the concrete structures over-time. The basins at Wastewater Treatment Facility No. 2 exposed to the most corrosive gases are the aeration basins, digester, and thickener. To remedy any damage and prevent further concrete degradation, the basins will be coated with a material which will provide additional structural integrity as well as protect the concrete from further degradation.</p> <p>Costs for this project were estimated based upon the approximate surface area of the various structures to be coated in the project and multiplying by coating pricing (with inflation to the years of this project) from recent projects at other SJRA facilities.</p>														
PROJECT SCHEDULE				DELIVERY	FUNDING									
Initiate Cons. Selection:		FY 2031		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2031		<input type="checkbox"/> Other	<input type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2032			<input checked="" type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2032			<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2032												
Substantial Completion:		FY 2033		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026									2027
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Engineering/Design	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 80,000	\$ -		
Construction	\$ 3,583,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,791,500	\$ 1,791,500		
CPS, CM&I, and CMT	\$ 351,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 175,500	\$ 175,500		
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 4,134,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 120,000	\$ 2,047,000	\$ 1,967,000		

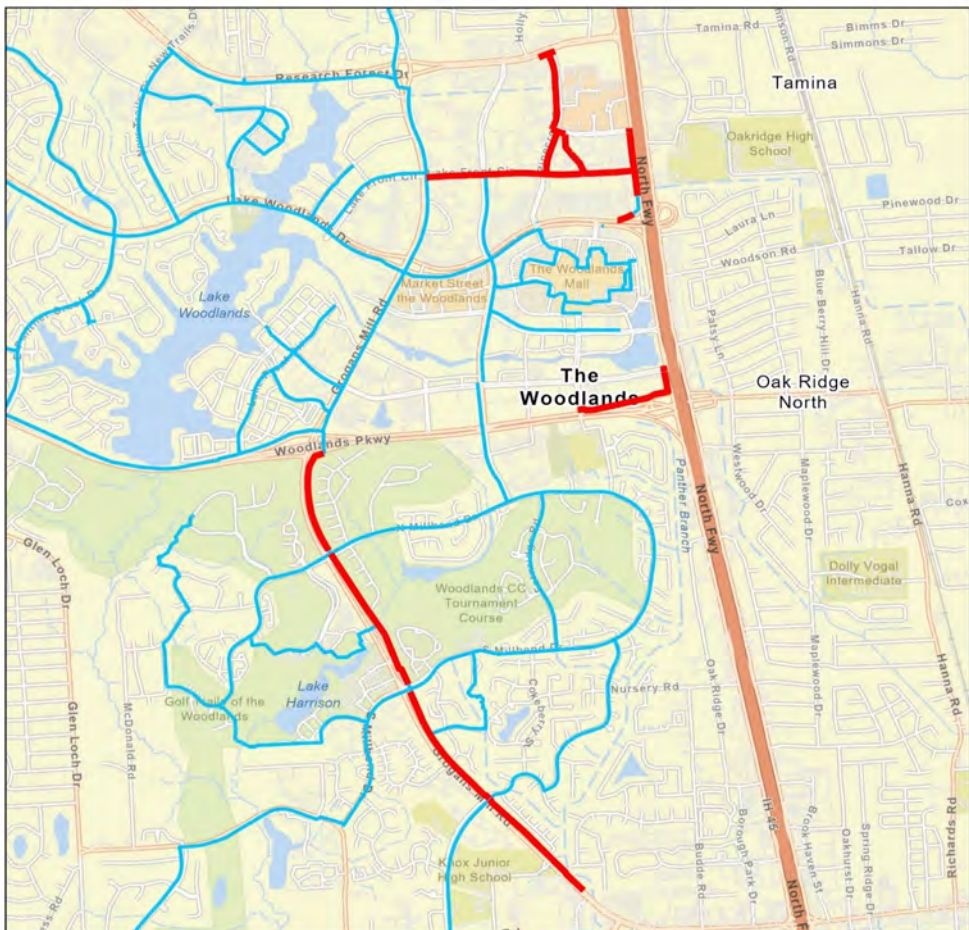
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
WWTF No. 2 Blower Replacement				WWP2BR		2032-2033		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>Phase I of Wastewater Treatment Facility No. 2 was constructed in 1995. The blowers for the aeration basins and the post-aeration blowers at the filter basin are original to the 1995 construction and are reaching the end of their useful life. The blowers are planned to be replaced with high-efficiency positive displacement blowers of equal capacity. The size of the blowers at the aeration basin will be increased from 150 hp to 200 hp.</p> <p>Costs were estimated based upon previous studies for condition assessment at Wastewater Treatment Facility No. 2 in 2016 and 2022, as well as estimates for similar blower replacement at Wastewater Treatment Facility No. 1.</p>													
PROJECT SCHEDULE			DELIVERY	FUNDING									
Initiate Cons. Selection:	FY 2032	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M										
PSA/WO Issued:	FY 2032	<input type="checkbox"/> Other	<input type="checkbox"/> Bonds										
Final Proposal Docs:	FY 2032		<input checked="" type="checkbox"/> R&R										
Proposals/Bids Received:	FY 2032		<input type="checkbox"/> Other										
Constr. Contract to Board:	FY 2032												
Substantial Completion:	FY 2033	<input checked="" type="checkbox"/> Capitalized <input type="checkbox"/> Expensed											
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 153,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 153,000	\$ -	
Engineering/Design	\$ 306,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 306,000	\$ -	
Construction	\$ 3,063,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,072,050	\$ 1,990,950	
CPS, CM&I, and CMT	\$ 153,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 53,550	\$ 99,450	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 3,675,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,584,600	\$ 2,090,400	

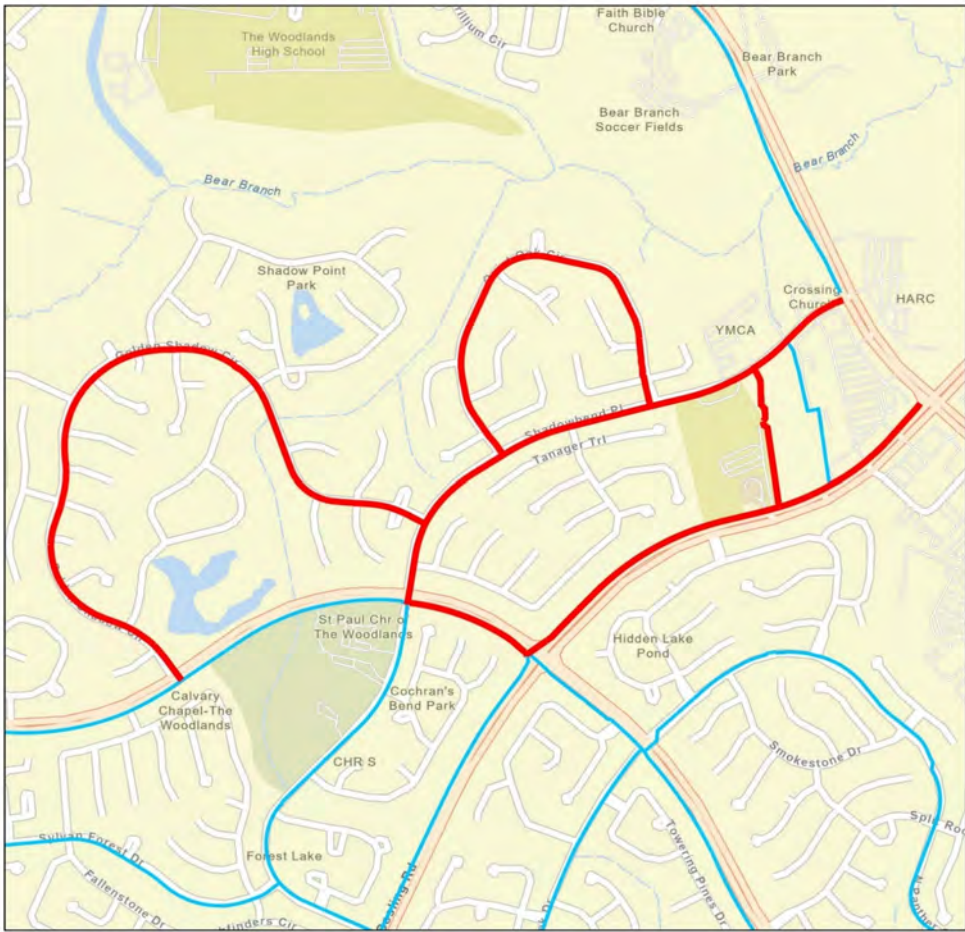
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Town Center Water Line Replacement				WA21WL		2021-2026		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines. From this, approximately 14,000 linear feet (2.7 miles) of water main in the Grogan's Mill and Metro Center areas were identified for the first project scope. These segments include approximately 2,600 LF of 12-inch water line along Six Pines Drive, approximately 6,600 LF of 12-inch water line along Grogan's Mill Road, and approximately 5,000 LF of 12-inch water line along Lake Woodlands Drive. These locations include replacement of water lines under major roadway intersections including Grogan's Mill, Woodlands, Parkway, Lake Woodlands Drive, and Timberloch Place. Costs are based on a Engineers Opinion of Construction Cost during the PER phase of this project.</p> <p>** Program management will be R&R funded.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		Completed		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		Completed		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2025 - Q2			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2025 - Q2			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2025 - Q3											
Substantial Completion:		FY 2026 - Q3		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 10,944,000	\$ -	\$ -	\$ 9,260,000	\$ 1,684,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 1,068,000	\$ -	\$ -	\$ 900,000	\$ 168,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Program Management**	\$ 157,000	\$ -	\$ 157,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 12,169,000	\$ -	\$ 157,000	\$ 10,160,000	\$ 1,852,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

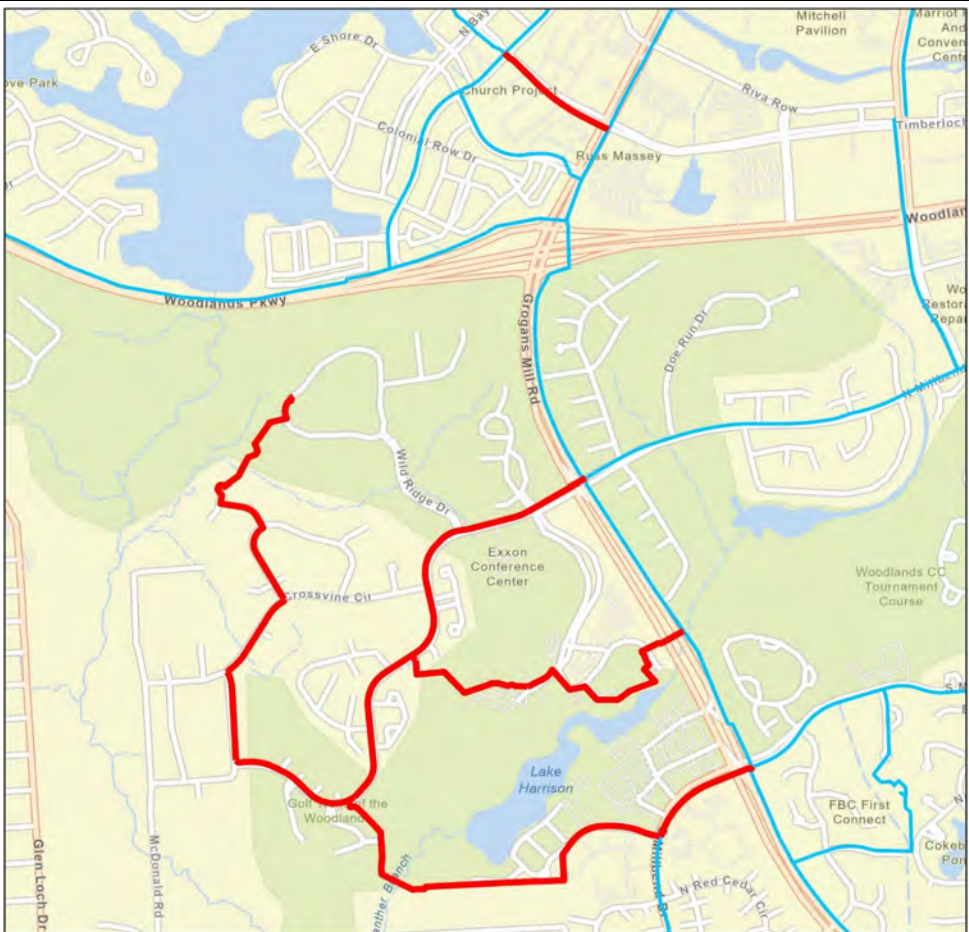
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
N Town Center and S Grogan's Mill Rd. Water Line Replacement				WA23WL		2025-2027		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 27,000 linear feet (5 miles) of 12 and 16-inch AC water mains along Lake Front Circle and Pinecroft Drive between Grogan's Mill Road and IH-45 and along Grogan's Mill Road south of Woodlands Parkway were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p> <p>** Program management will be R&R funded.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2025		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2025		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2026			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2026			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2026											
Substantial Completion:		FY 2027		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,619,000	\$ -	\$ -	\$ 1,619,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 1,631,000	\$ -	\$ -	\$ 1,214,000	\$ 417,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 17,077,000	\$ -	\$ -	\$ -	\$ 3,335,000	\$ 13,742,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 1,708,000	\$ -	\$ -	\$ -	\$ 334,000	\$ 1,374,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Program Management**	\$ 44,000	\$ -	\$ 44,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 22,079,000	\$ -	\$ 44,000	\$ 2,833,000	\$ 4,086,000	\$ 15,116,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

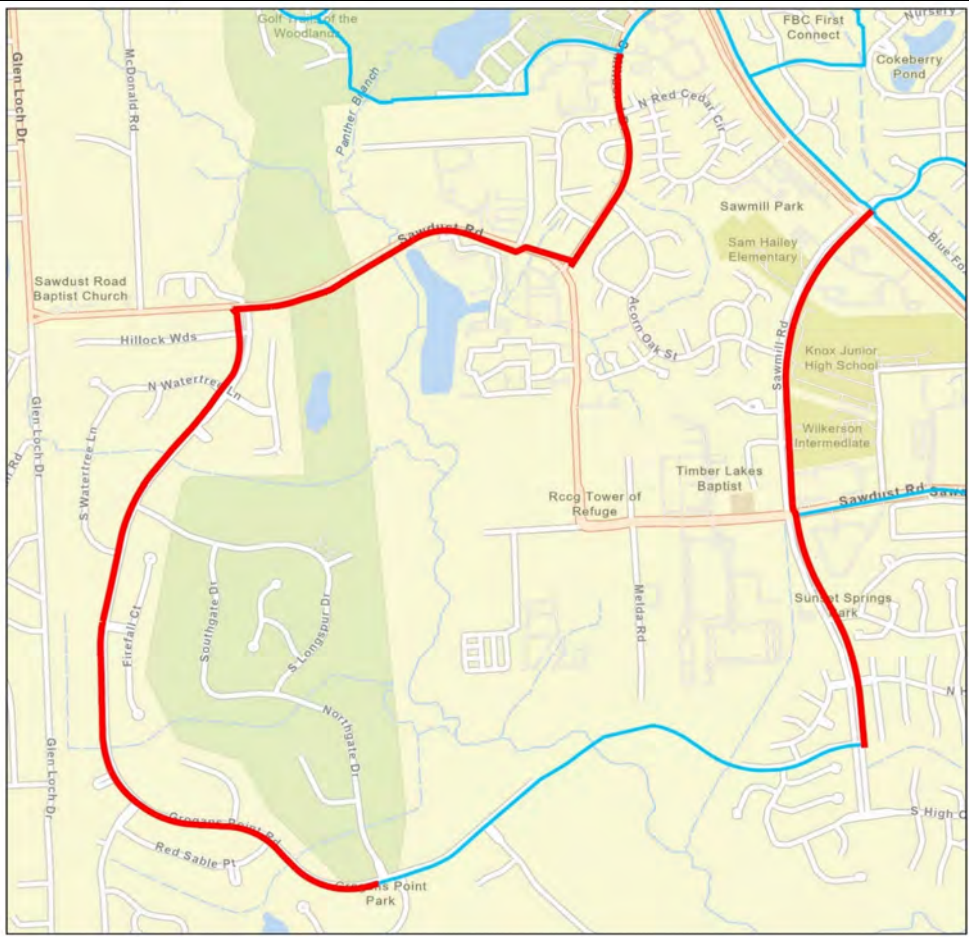
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION									
Panther Creek Area Water Line Replacement				WA24WL		2025-2028		The Woodlands									
PROJECT DESCRIPTION				PROJECT MAP/PICTURE													
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. Also, short sections of water line of other material were identified for replacement using the same criteria. From this, approximately 32,000 linear feet (6 miles) of 12, 16, 20 24, and 30-inch AC, Steel Reinforced Concrete Pipe (SRPC), and Ductile Iron (DI) pipe along New Trails Dr., Technology Forest Blvd., Research Forest Dr., Gosling Rd., Shadowbend Circle, Quiet Oak Circle, and Golden Shadow Circle were identified for this project scope. The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p> <p>**Program management will be R&R funded.</p>																	
				PROJECT SCHEDULE				DELIVERY		FUNDING							
				Initiate Cons. Selection:		FY 2025		<input checked="" type="checkbox"/> CSP		<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2025		<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Bonds											
Final Proposal Docs:		FY 2026				<input checked="" type="checkbox"/> R&R											
Proposals/Bids Received:		FY 2026				<input type="checkbox"/> Other											
Constr. Contract to Board:		FY 2026															
Substantial Completion:		FY 2028		<input type="checkbox"/> Capitalized		<input checked="" type="checkbox"/> Expensed											
BUDGET*		TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033				
Planning/Permitting/PER		\$ 2,105,000	\$ -	\$ -	\$ 2,105,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Engineering/Design		\$ 2,136,000	\$ -	\$ -	\$ 1,052,000	\$ 1,084,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Construction		\$ 22,335,000	\$ -	\$ -	\$ -	\$ 5,420,000	\$ 11,165,000	\$ 5,750,000	\$ -	\$ -	\$ -	\$ -	\$ -				
CPS, CM&I, and CMT		\$ 2,233,000	\$ -	\$ -	\$ -	\$ 542,000	\$ 1,116,000	\$ 575,000	\$ -	\$ -	\$ -	\$ -	\$ -				
Land Acquisition		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Program Management**		\$ 49,000	\$ -	\$ 49,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Total		\$ 28,858,000	\$ -	\$ 49,000	\$ 3,157,000	\$ 7,046,000	\$ 12,281,000	\$ 6,325,000	\$ -	\$ -	\$ -	\$ -	\$ -				

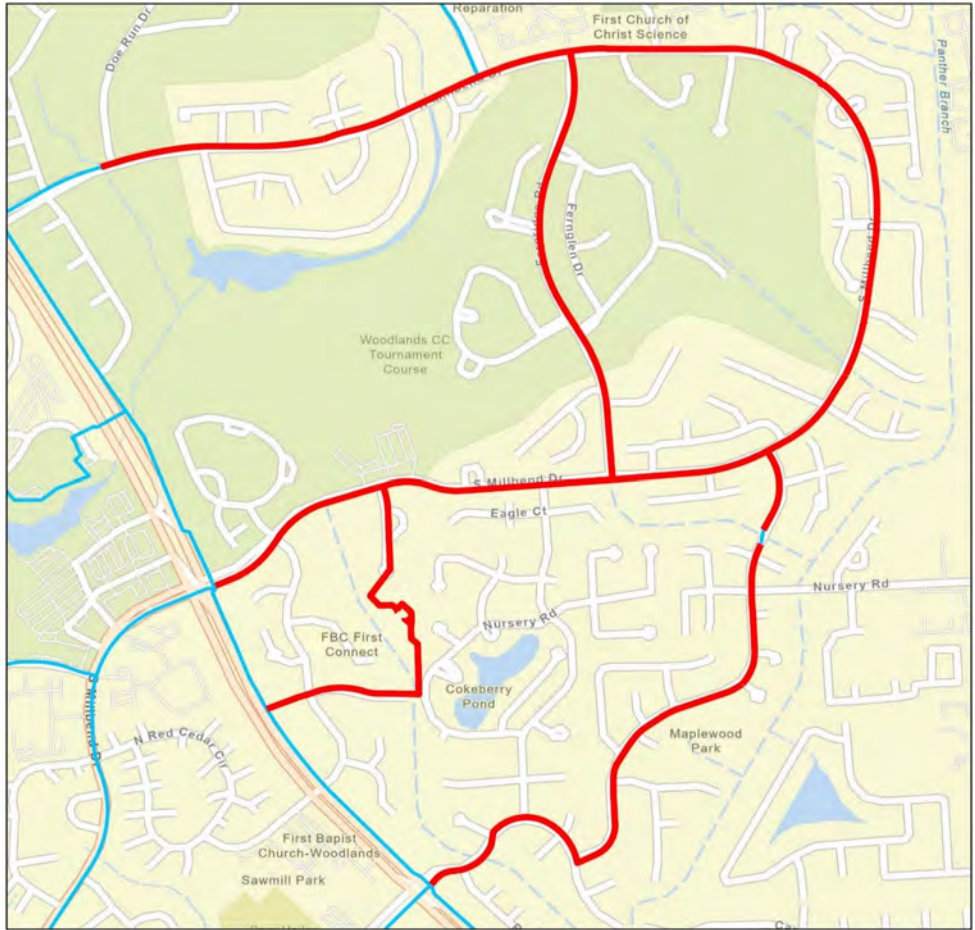
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Conference/Resort Area Water Line Replacement				WA25WL		2028-2030		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 13,000 linear feet (2.5 miles) of 12 and 16-inch AC water mains in the Village of Grogan's Mill west of Grogan's Mill Road were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2028		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2028		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2029			<input type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2029			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2029											
Substantial Completion:		FY 2030		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,217,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,217,000	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 1,228,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 852,000	\$ 376,000	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 12,646,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,773,000	\$ 3,873,000	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 1,264,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 877,000	\$ 387,000	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 16,355,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,069,000	\$ 10,026,000	\$ 4,260,000	\$ -	\$ -	\$ -	

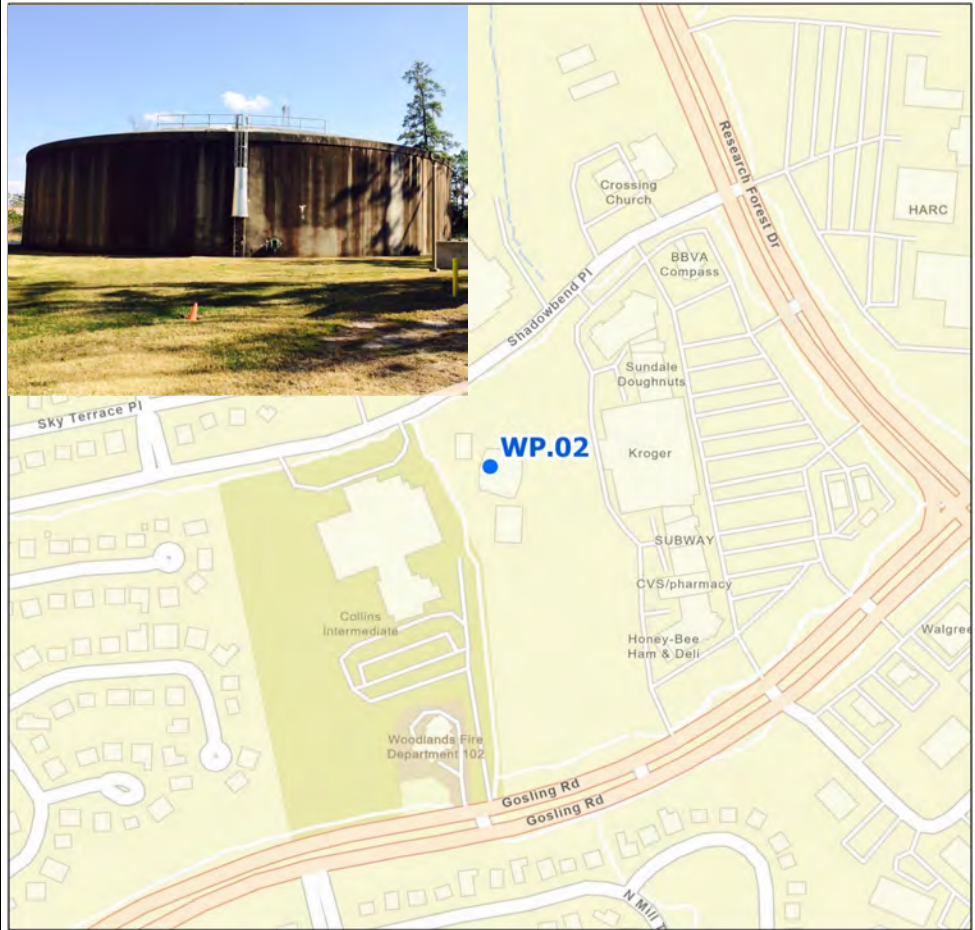
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Sawmill Rd and Grogan's Point Dr. Water Line Replacement				WA26WL		2028-2030		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 21,000 linear feet (4 miles) of 12 and 16-inch water mains along Sawmill Road, South Millbend Dr., Sawdust Road, and Grogan's Point Road were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>													
PROJECT SCHEDULE				DELIVERY		FUNDING							
Initiate Cons. Selection:		FY 2028		<input checked="" type="checkbox"/> CSP		<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2028		<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2029				<input type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2029				<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2029											
Substantial Completion:		FY 2030		<input type="checkbox"/> Capitalized		<input checked="" type="checkbox"/> Expensed							
BUDGET*		TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER		\$ 1,135,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,135,000	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design		\$ 1,143,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 851,000	\$ 292,000	\$ -	\$ -	\$ -	\$ -
Construction		\$ 11,777,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 8,767,000	\$ 3,010,000	\$ -	\$ -	\$ -
CPS, CM&I, and CMT		\$ 1,178,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 877,000	\$ 301,000	\$ -	\$ -	\$ -
Land Acquisition		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ 15,233,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,986,000	\$ 9,936,000	\$ 3,311,000	\$ -	\$ -	\$ -

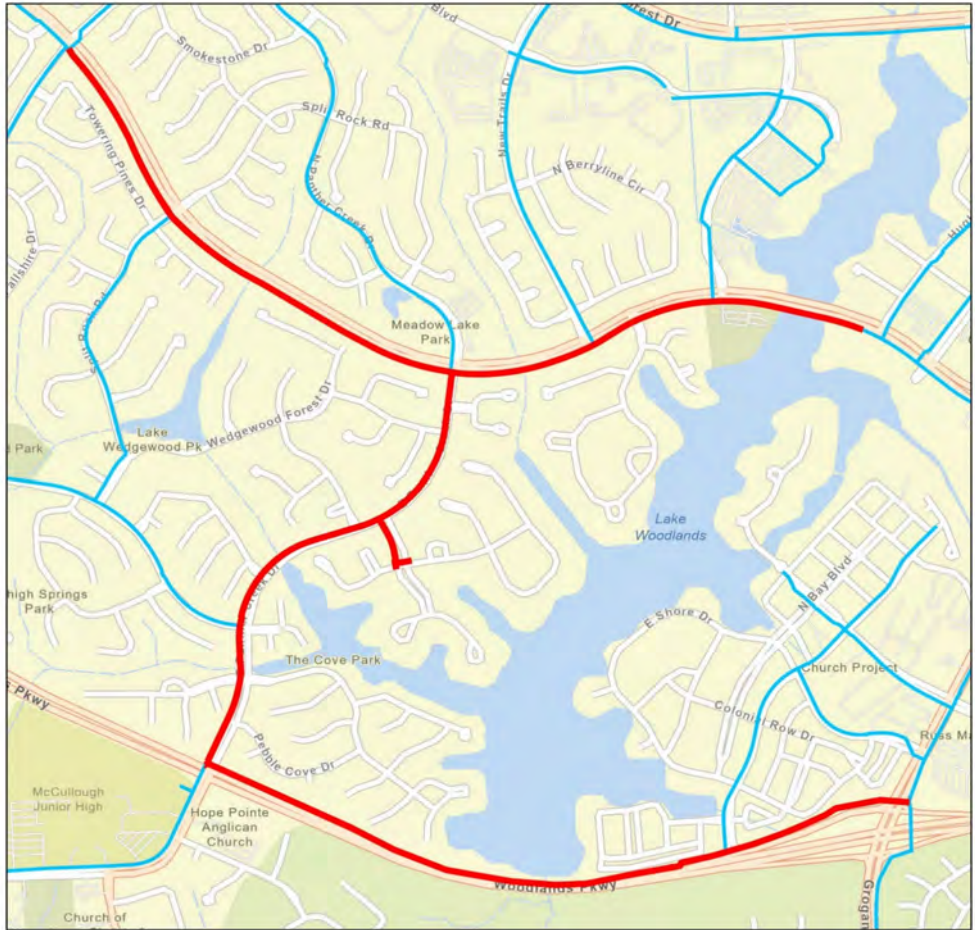
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION								
Millbend Water Line Replacement				WA27WL		2029-2031		The Woodlands								
PROJECT DESCRIPTION				PROJECT MAP/PICTURE												
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 25,500 linear feet (4.8 miles) of 12, 16 and 20-inch AC water mains in the Village of Grogan's Mill east of Grogan's Mill Road were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>																
				PROJECT SCHEDULE				DELIVERY	FUNDING							
				Initiate Cons. Selection:		FY 2029		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2029		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds											
Final Proposal Docs:		FY 2030			<input type="checkbox"/> R&R											
Proposals/Bids Received:		FY 2030			<input type="checkbox"/> Other											
Constr. Contract to Board:		FY 2030														
Substantial Completion:		FY 2031		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed											
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033				
Planning/Permitting/PER	\$ 1,522,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,522,000	\$ -	\$ -	\$ -	\$ -				
Engineering/Design	\$ 1,527,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,370,000	\$ 157,000	\$ -	\$ -	\$ -				
Construction	\$ 15,795,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 11,758,000	\$ 4,037,000	\$ -	\$ -				
CPS, CM&I, and CMT	\$ 1,580,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,176,000	\$ 404,000	\$ -	\$ -				
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -				
Total	\$ 20,424,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,892,000	\$ 13,091,000	\$ 4,441,000	\$ -	\$ -				



*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION				
Water Plant No. 2 Ground Storage Tank No. 1 Replacement				WA2GT1		2029-2031		The Woodlands				
PROJECT DESCRIPTION				PROJECT MAP/PICTURE								
<p>Ground Storage Tank 1 (GST No. 1) at Water Plant 2 is a concrete storage tank with a capacity of 2.0 million gallons (MG), and was originally constructed in 1982. The typical useful life for concrete ground storage tanks storing potable water is 50 years. GST No. 1 will reach the end of its useful life by year 2032, and should be replaced before then in order to maintain adequate storage capacity and reliable potable water service. Also, in 2017, structural deficiencies were identified during an annual inspection and repairs made to maintain service life.</p> <p>The project will include demolition of the existing 2 MG concrete ground storage tank, construction of a new 2.0 MG concrete ground storage tank, and replacement of associated piping and appurtenances.</p> <p>The costs for this project were based upon a similar project where a 2 MG concrete ground storage tank was replaced.</p>												
PROJECT SCHEDULE			DELIVERY	FUNDING								
Initiate Cons. Selection:			FY 2029	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M							
PSA/WO Issued:			FY 2029	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds							
Final Proposal Docs:			FY 2029		<input type="checkbox"/> R&R							
Proposals/Bids Received:			FY 2029		<input type="checkbox"/> Other							
Constr. Contract to Board:			FY 2030									
Substantial Completion:			FY 2031	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ 466,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 466,000	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 466,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 466,000	\$ -	\$ -	\$ -	\$ -
Construction	\$ 4,811,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,317,000	\$ 494,000	\$ -	\$ -
CPS, CM&I, and CMT	\$ 481,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 432,000	\$ 49,000	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 6,224,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 932,000	\$ 4,749,000	\$ 543,000	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION						
West Lake Area Water Line Replacement				WA28WL		2029-2031		The Woodlands						
PROJECT DESCRIPTION				PROJECT MAP/PICTURE										
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. Also, short sections of water line of other material were identified for replacement using the same criteria. From this, approximately 21,000 linear feet (4 miles) of 12 and 24-inch AC and Steel Reinforced Concrete Pipe (SRPC) pipe along Woodlands Parkway, East Panther Creek Drive, West Isle Place, and Lake Woodlands Drive were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>														
				PROJECT SCHEDULE				DELIVERY	FUNDING					
				Initiate Cons. Selection:		FY 2029		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M					
PSA/WO Issued:		FY 2029		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2030			<input type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2030			<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2030												
Substantial Completion:		FY 2031		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
Planning/Permitting/PER	\$ 1,269,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,269,000	\$ -	\$ -	\$ -	\$ -		
Engineering/Design	\$ 1,276,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,015,000	\$ 261,000	\$ -	\$ -	\$ -		
Construction	\$ 13,230,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,844,000	\$ 5,386,000	\$ -	\$ -		
CPS, CM&I, and CMT	\$ 1,323,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 784,000	\$ 539,000	\$ -	\$ -		
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 17,098,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,284,000	\$ 8,889,000	\$ 5,925,000	\$ -	\$ -		

*Budget includes contingency.

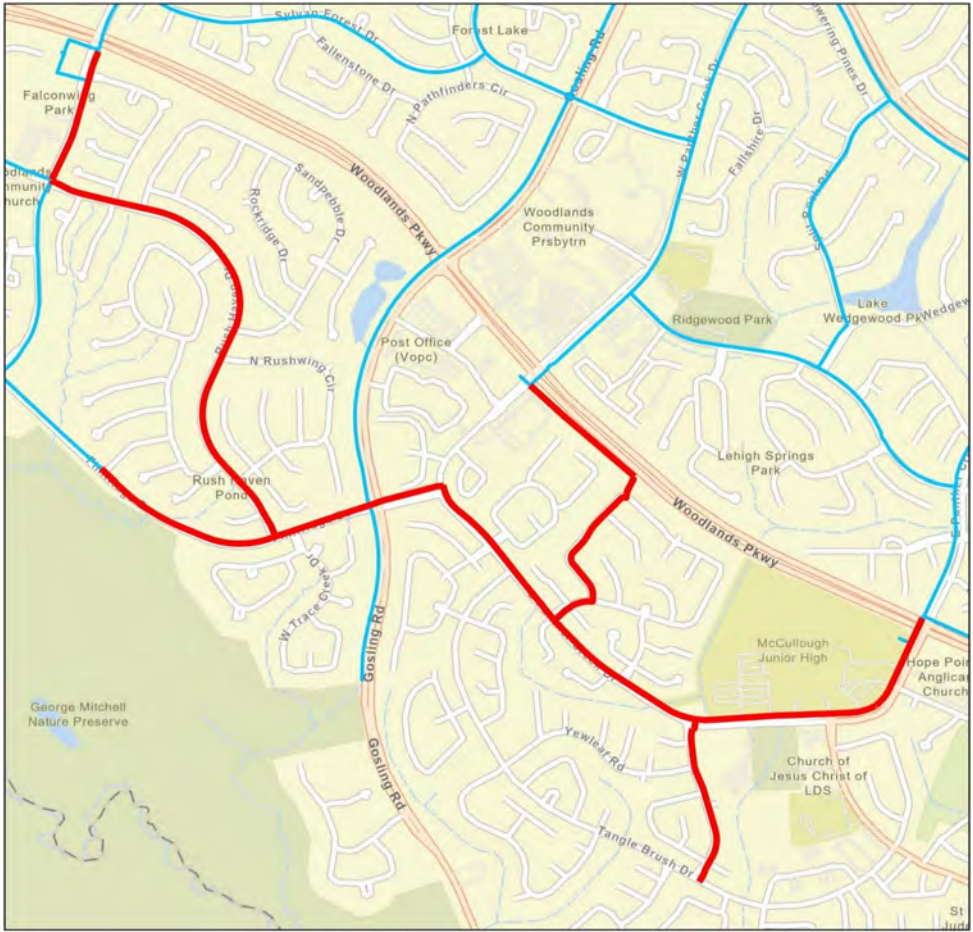
PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Water Well No. 40				WAWW40		2030-2033		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The Woodlands uses a combination of groundwater and surface water to meet water demands in The Woodlands. As of 2030, several water wells in the Woodlands system will have met or exceeded their useful life of 50 years, and will be recommended for abandonment (see project WA123A). Not decrease the amount of groundwater production capability, construction of a high production Upper Jasper Aquifer water well is recommended. Land will need to be acquired to allow for an estimated 1/2 acre site. The proposed water well is planned to be capable of producing 3,000 gallons per minute.</p> <p>This project will also include the installation of a 24-inch well collection line from the water well to the nearest SJRA Woodlands Division water plant. The water well cost is based on previous water well installations as well as estimates from third-party consultants. The well collection line cost is based on installing approximately 2,500 linear feet of 24-inch well collection, with unit pricing from third-party consultants.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2029	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2030	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2030		<input type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2030		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2031											
Substantial Completion:		FY 2033	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 706,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 706,000	\$ -	\$ -	\$ -	
Engineering/Design	\$ 706,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 353,000	\$ 353,000	\$ -	\$ -	
Construction	\$ 7,167,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,791,750	\$ 3,583,500	\$ 1,791,750	
CPS, CM&I, and CMT	\$ 717,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 179,250	\$ 358,500	\$ 179,250	
Land Acquisition	\$ 163,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 122,250	\$ 40,750	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 9,459,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,181,250	\$ 2,364,750	\$ 3,942,000	\$ 1,971,000	

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
West Panther Creek Area Water Line Replacement				WA29WL		2032-2034		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. Also, short sections of water line of other material were identified for replacement using the same criteria. From this, approximately 19,700 linear feet (3.7 miles) of 12, 16 and 24-inch AC and Steel Reinforced Concrete Pipe (SRPC) pipe along Gosling Road, West Panther Creek Drive, Interfaith Way, Split Rock Road, and Lake Woodlands Drive were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2032		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2032		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2033			<input type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2033			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2033											
Substantial Completion:		FY 2034		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,479,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,479,000	\$ -	
Engineering/Design	\$ 1,488,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,183,000	\$ 305,000	
Construction	\$ 7,615,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,615,000	
CPS, CM&I, and CMT	\$ 761,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 761,500	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 11,343,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,662,000	\$ 8,681,500	

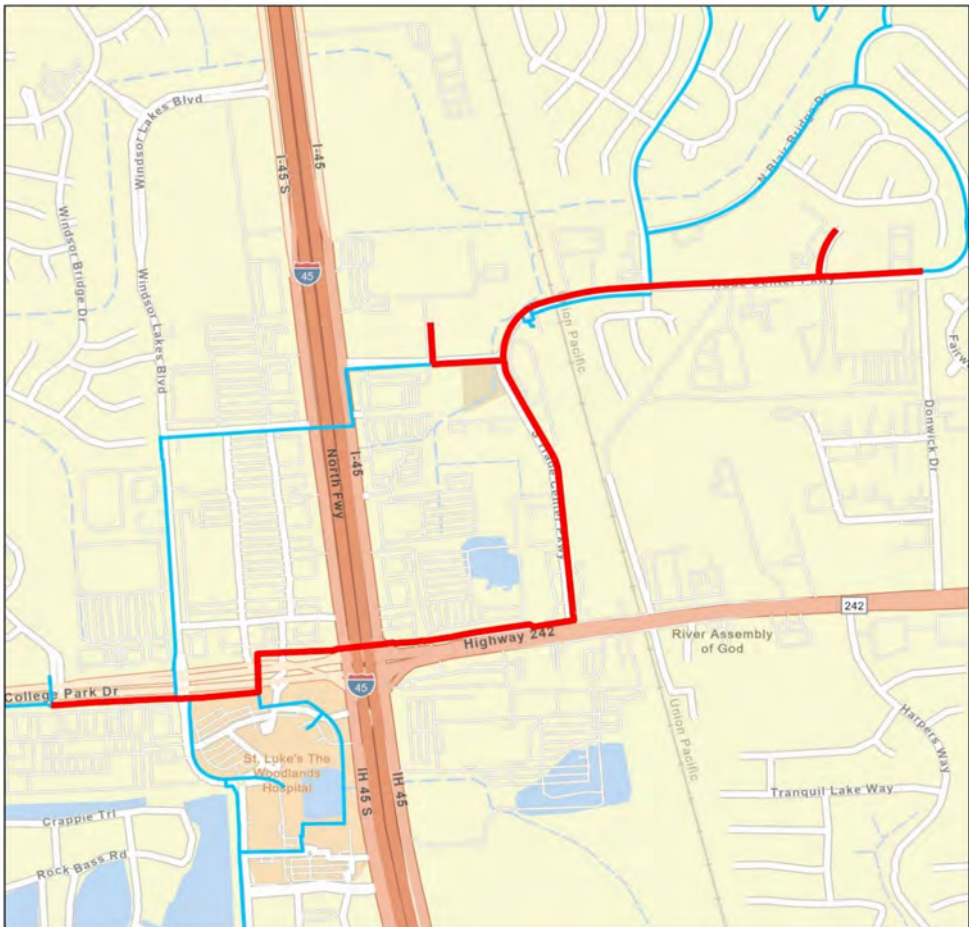
*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$19,720,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
South Panther Creek Area Water Line Replacement				WA30WL		2032-2034		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 23,000 linear feet (4.3 miles) of 12-inch AC pipe along South Panther Creek, Coralberry Road, Woodstock Circle Drive, Flintridge Drive, Rush Haven Drive, Falconwing Drive, and McCullough Circle were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>													
				PROJECT SCHEDULE		DELIVERY	FUNDING						
				Initiate Cons. Selection: FY 2032		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M						
PSA/WO Issued: FY 2032		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds										
Final Proposal Docs: FY 2032			<input type="checkbox"/> R&R										
Proposals/Bids Received: FY 2033			<input type="checkbox"/> Other										
Constr. Contract to Board: FY 2033													
Substantial Completion: FY 2034		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed										
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,405,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,405,000	\$ -	
Engineering/Design	\$ 1,417,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 983,000	\$ 434,000	
Construction	\$ 7,234,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 7,234,000	
CPS, CM&I, and CMT	\$ 723,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 723,500	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 10,779,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,388,000	\$ 8,391,500	

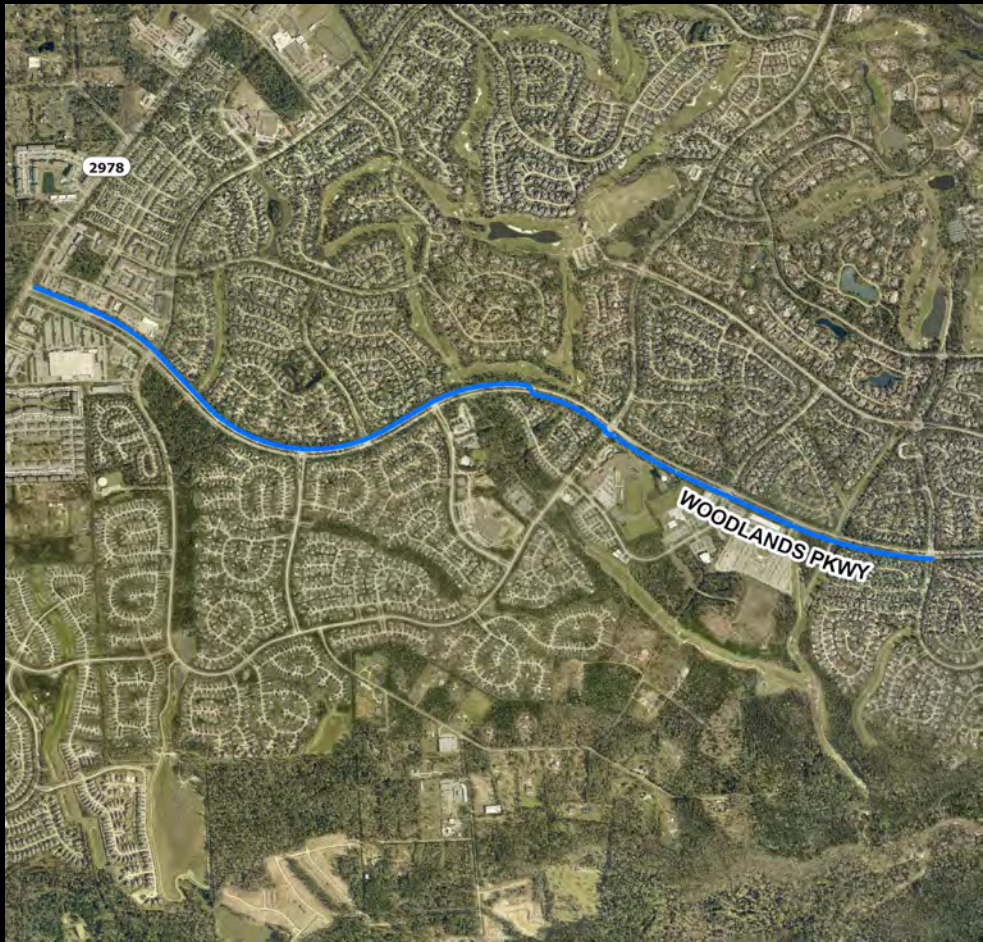
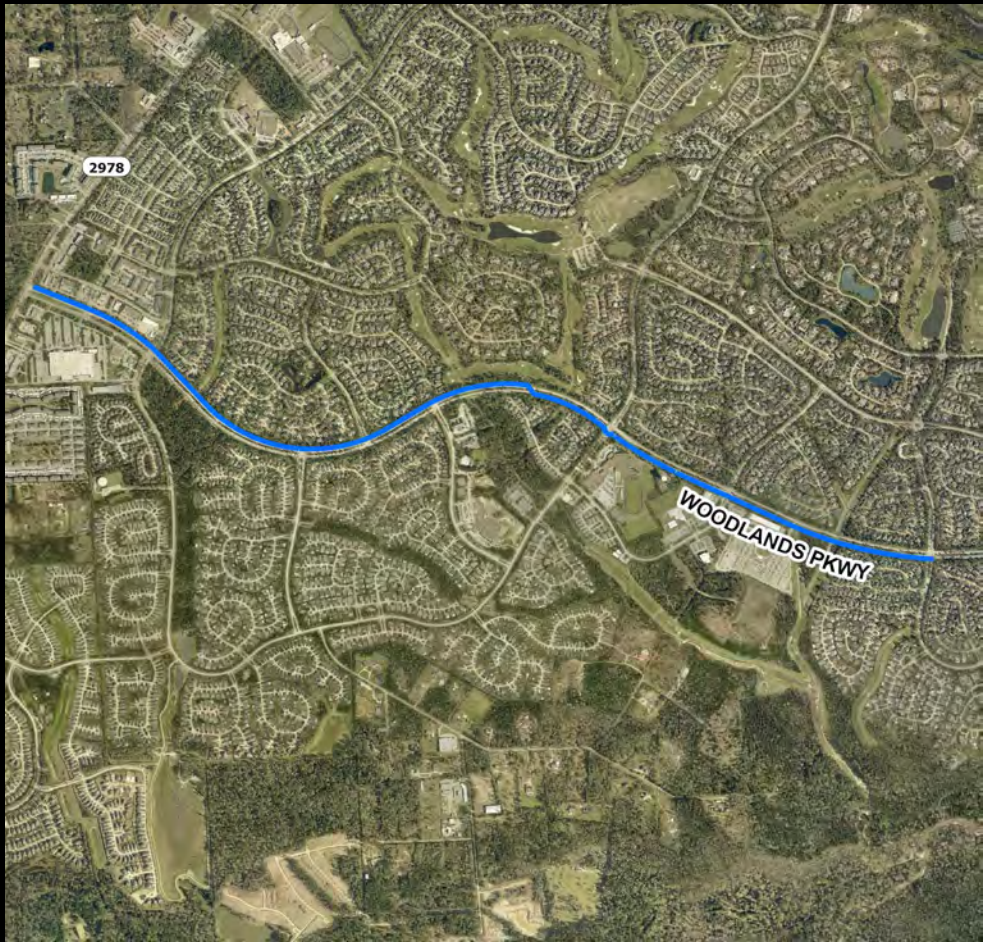
*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$18,737,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION					
Trade Center Area Water Line Replacement				WA31WL		2032-2034			The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE								
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 12,000 linear feet (2.3 miles) of 12 and 16-inch AC pipe along SH242 and Trade Center Parkway were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>														
PROJECT SCHEDULE				DELIVERY		FUNDING								
Initiate Cons. Selection:		FY 2032		<input checked="" type="checkbox"/> CSP		<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2032		<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2033				<input type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2033				<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2033												
Substantial Completion:		FY 2034		<input type="checkbox"/> Capitalized		<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033		
Planning/Permitting/PER	\$ 882,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 882,000	\$ -		
Engineering/Design	\$ 889,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 617,000	\$ 272,000		
Construction	\$ 4,540,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,540,500		
CPS, CM&I, and CMT	\$ 454,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 454,000		
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		
Total	\$ 6,765,500	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,499,000	\$ 5,266,500		

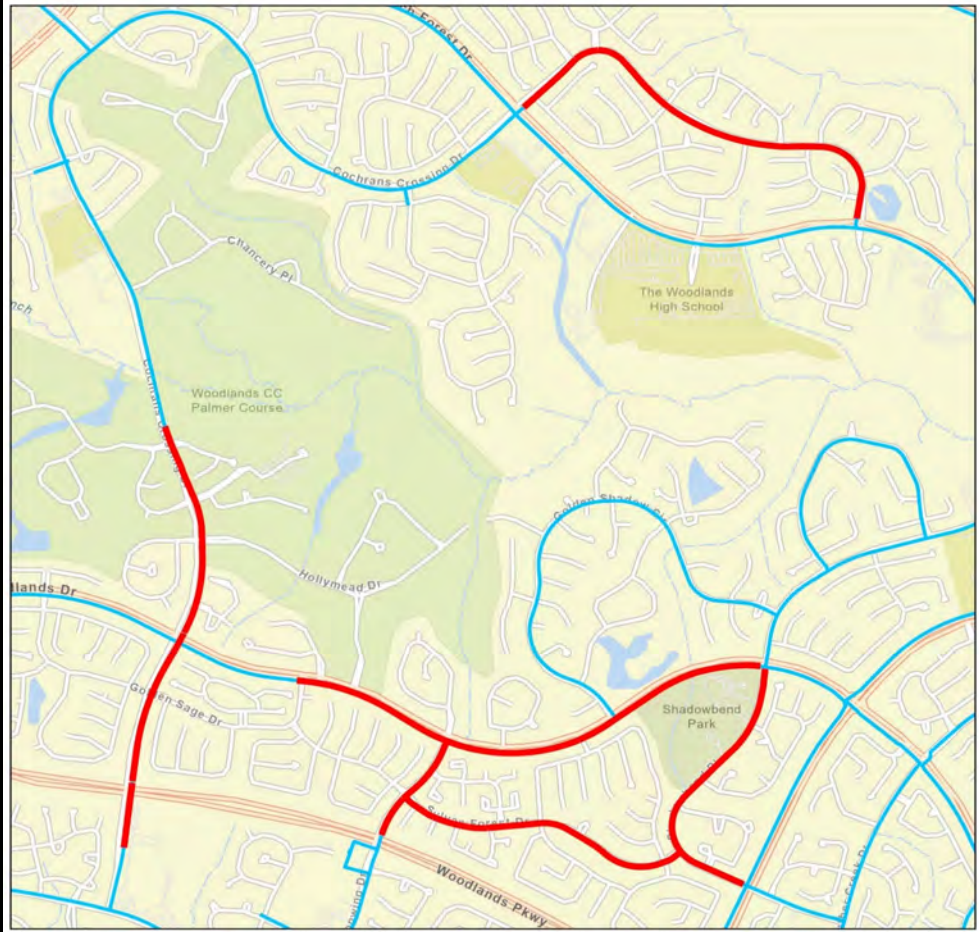
*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$11,760,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Woodlands Parkway Water Line Replacement				WAWPWL		2033-2036			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The 16 - 24-inch water line along Woodlands Parkway between FM 2978 and Carlton Woods Drive was installed in phases between 2000 and 2005. However, since that time, this water line has experienced approximately 30 breaks in locations along the entire alignment. Most of the failures that have occurred appear to have been a result of installation method, resulting in pipe movement over time, which ultimately results in failure, primarily starting at the fitting connections.</p> <p>The water line is anticipated to be replaced with a fused PVC or HDPE pipe primarily installed using trenchless methods. This will result in a pipe with few fittings.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replace.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2033	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:		FY 2033	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds									
Final Proposal Docs:		FY 2034		<input type="checkbox"/> R&R									
Proposals/Bids Received:		FY 2034		<input type="checkbox"/> Other									
Constr. Contract to Board:		FY 2034											
Substantial Completion:		FY 2036	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,587,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,587,000	
Engineering/Design	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,587,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,587,000	

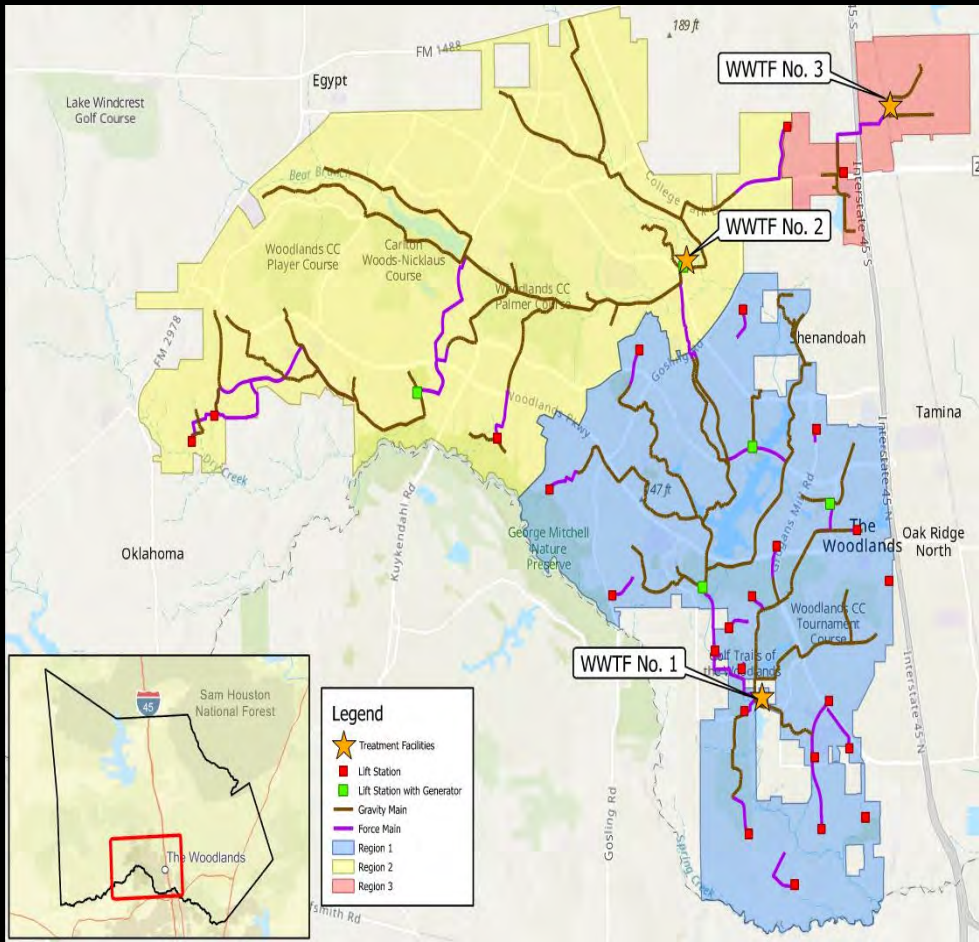
*Budget includes contingency.

**Project extends into FY2034, FY2035 and FY2036. The total project cost is \$20,635,000.

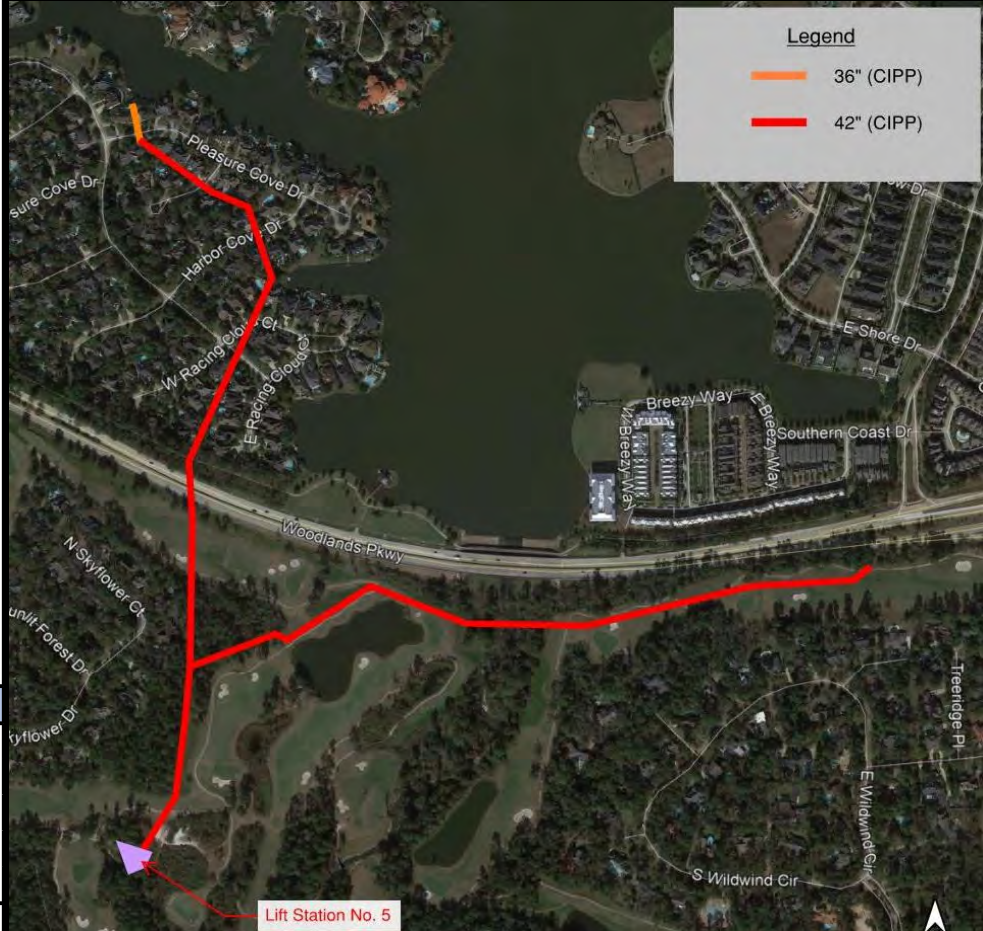
PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Cochran's Crossing Area Water Line Replacement				WA32WL		2033-2035		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>The existing distribution system contains 47 miles of asbestos cement (AC) lines. Approximately 20 miles of all water lines are more than 40 years old, and the majority of which are made of AC material. Industry asset management practices suggest that AC water lines have the higher frequency of failure, and average useful life of 50 years. Historically, SJRA has experienced on average 9 failures per year, and is trending upward. Due to the aging water distribution infrastructure and increasing rate of breaks, water line renewal is necessary to decrease repair frequencies, improve reliability to end-users and maintain requested level of service. This project is part of a phased asset management approach to continuously replace water lines in the system, with a plan to replace all AC water lines within the next 10-15 years. The AC lines will be replaced with PVC or HDPE lines with an average expected useful life of more than 80 years.</p> <p>Using the SJRA Asset Management Plan strategy, and confirmed by a consultant, Likelihood of Failure, Consequence of Failure, and Mitigation Factors were used to score and prioritize replacement of the AC water lines in the Woodlands Division System. From this, approximately 27,000 linear feet (5.2 miles) of 12, 16 and 20-inch AC and Ductile Iron (DI) pipe along Lake Woodlands Drive, Falconwing Drive, Sylvan Forest Drive, Shadowbend Place, Cochran's Crossing Drive, John Cooper Drive and Elevated Storage Tank No. 2 were identified for this project scope.</p> <p>The costs were determined based upon recent construction pricing for water line pipe replacement of the same diameter and multiplying the length to be replaced.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2033		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2033		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2034				<input type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2034				<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2034											
Substantial Completion:		FY 2035		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 2,004,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,004,000	
Engineering/Design	\$ 601,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 601,200	
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 2,605,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,605,200	

*Budget includes contingency.

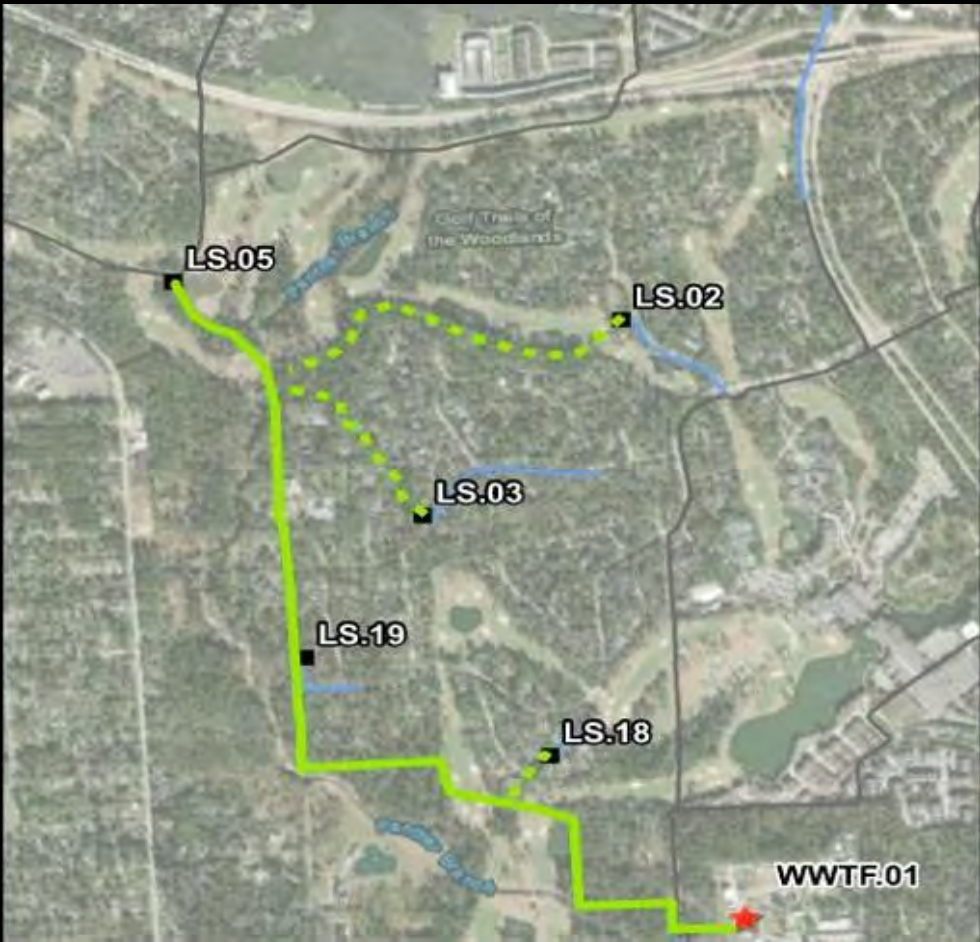
**Project extends into FY2034 and FY2035. The total project cost is \$26,052,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Wastewater Strategic Plan				WWTREG		2022-2024		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>SJRA owns and operates three (3) wastewater treatment facilities in The Woodlands. Multiple components of these facilities are nearing the end of their useful life and will need to be renewed/replaced in the near future. Phase 1 of the Strategic Plan evaluated alternative(s) for consolidating the existing wastewater system, renewal in place, and compare the alternative(s) to a baseline scenario of replacing the existing infrastructure based on its service life. The feasibility study is evaluating alternative(s) in order to present information and data to The Woodlands MUD Boards to make an informed decision regarding the path forward for aging infrastructure renewal.</p> <p>Phase 2 of the Strategic Plan will focus on the required capacity for a new wastewater system, adjusting level of service requirements, and adjusting the cost estimates.</p>													
PROJECT SCHEDULE			DELIVERY	FUNDING									
Initiate Cons. Selection:			Completed	<input type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:			Completed	<input checked="" type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:			N/A		<input type="checkbox"/> R&R								
Proposals/Bids Received:			N/A		<input type="checkbox"/> Other								
Constr. Contract to Board:			N/A	Professional									
Substantial Completion:			FY 2023 - Q4	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,287,331	\$ 1,287,331	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 500,000	\$ 350,000	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 1,787,331	\$ 1,637,331	\$ 150,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	

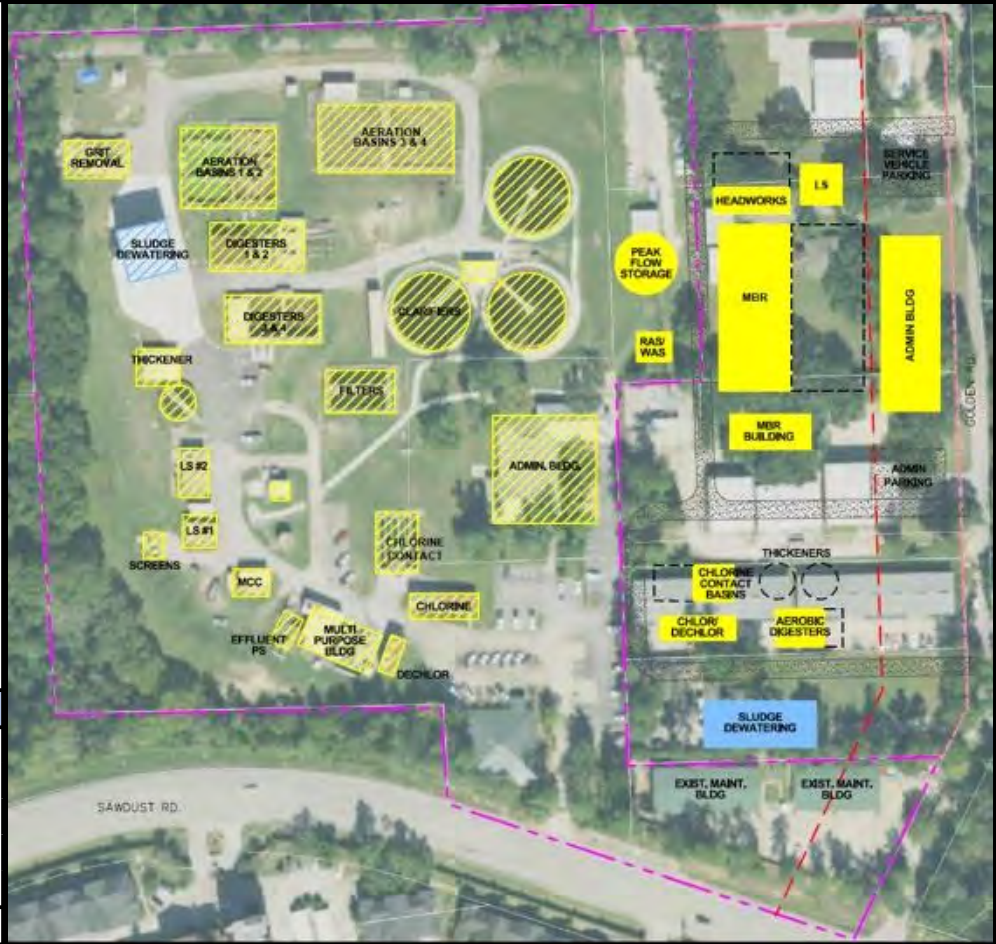
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION				
South Shore Gravity Main Rehabilitation				WW21GR		2021-2026		The Woodlands				
PROJECT DESCRIPTION				PROJECT MAP/PICTURE								
<p>Some wastewater lines within the collection system have been in service for over 40 years. The aging system requires rehabilitation to avoid collection system failure, sewage overflows, and permit violations. Through the Asset Management Program and the Sanitary Sewer Transmission Assessment and Renewal (SSTAR) Program, specific line segments were identified as high risk for failure and should be replaced or rehabilitated in the near term.</p> <p>The SSTAR Program conducted in 2019 and 2020 included a condition assessment consisting of closed circuit television (CCTV) inspection and analysis of expected remaining useful life. CCTV video footage showed significant deterioration of the existing gravity mains, requiring rehabilitation or replacement. Additionally, these line segments were scored with a high consequence of failure, due to their location, difficulties with access, and their criticality.</p> <p>The line segments included in this project include approximately 157 linear feet of 36" DI pipe and 6496 linear feet of 42" DI pipe.</p> <p>This project is part of a phased asset management approach to continuously rehabilitate sanitary sewer gravity mains in the system, to avoid collection system failure, sewage overflows, and permit violations. Other projects as described in WW23GR, WW25GR, WW27GR, WW31GR and WW32GR will accomplish the goal of rehabilitating the gravity mains identified as being the highest risk for failure.</p> <p>Rehabilitation costs were based upon preliminary engineering performed in 2022.</p>												
PROJECT SCHEDULE				DELIVERY		FUNDING						
Initiate Cons. Selection:		FY 2020 - Q3		<input checked="" type="checkbox"/> CSP	<input checked="" type="checkbox"/> O&M							
PSA/WO Issued:		FY 2021 - Q1		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2024 - Q3			<input type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2024 - Q3			<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2024 - Q4										
Substantial Completion:		FY 2026 - Q1		<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ 332,134	\$ 332,134	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 953,250	\$ 95,325	\$ 857,925	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 9,533,500	\$ -	\$ 953,350	\$ 5,720,100	\$ 2,860,050	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 953,250	\$ -	\$ 95,325	\$ 571,950	\$ 285,975	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ 238,000	\$ 119,000	\$ 119,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 12,010,134	\$ 546,459	\$ 2,025,600	\$ 6,292,050	\$ 3,146,025	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -


*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Wastewater Conveyance Optimization				WWWCO		2023-2030		The Woodlands					
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing wastewater infrastructure is aging with several treatment and conveyance components reaching the end of their useful life. Through the Wastewater Strategic Planning efforts an option to construct a new gravity main was explored. This proposed infrastructure would eliminate the need to for up to five (5) lift stations. Operating, maintaining, and rehabilitation of lift stations can be a costly expense. By eliminating the lift stations, a point of potential mechanical or electrical failure, noise, and odor will be reduced in the overall conveyance system.</p> <p>This project would begin with a route study to further determine where the gravity main would be constructed, any obstructions, land requirements, and method to eliminate lift stations. After the route study has concluded, preliminary engineering and final design would commence, followed by construction.</p> <p>**Owner's Representative will be R&R Funded.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2023 - Q3		<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2023 - Q4		<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2029			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2029			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2029											
Substantial Completion:		FY 2030		<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 1,700,000	\$ -	\$ 689,000	\$ 665,000	\$ 346,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 2,300,000	\$ -	\$ -	\$ -	\$ 347,000	\$ 719,000	\$ 748,000	\$ 486,000	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 39,678,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 19,450,000	\$ 20,228,000	\$ -	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 3,482,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,459,000	\$ 2,023,000	\$ -	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Owner's Representative**	\$ 41,000	\$ -	\$ 41,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 47,201,000	\$ -	\$ 730,000	\$ 665,000	\$ 693,000	\$ 719,000	\$ 748,000	\$ 21,395,000	\$ 22,251,000	\$ -	\$ -	\$ -	

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
New Wastewater Treatment Facility No. 1				WWF1NP		2024-2031			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>The existing wastewater infrastructure is aging with several treatment and conveyance components reaching the end of their useful life. Through the Wastewater Strategic Planning efforts one of the primary recommendations is to replace WWTF No. 1. The new facility will utilize membrane bioreactor (MBR) treatment technology to ensure a high quality effluent is produced and will prepare SJRA for future stricter effluent and nutrient removal requirements that may be imposed by TCEQ.</p> <p>This project has utilized the funding required based on the discussions with the Wastewater Strategic Plan Stakeholder Committee. The funding required is based on high-level estimates and they are expected to be adjusted after completion of Phase 2 of the Wastewater Strategic Plan.</p> <p>**Owner's representative will be R&R funded.</p>													
PROJECT SCHEDULE				DELIVERY		FUNDING							
Initiate Cons. Selection:		FY 2024 - Q2		<input checked="" type="checkbox"/> CSP		<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2024 - Q3		<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2026				<input type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2026				<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2027											
Substantial Completion:		FY 2031		<input checked="" type="checkbox"/> Capitalized		<input type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 7,204,000	\$ -	\$ 3,531,000	\$ 3,673,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Engineering/Design	\$ 3,819,000	\$ -	\$ -	\$ -	\$ 3,819,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Construction	\$ 193,633,000	\$ -	\$ -	\$ -	\$ -	\$ 35,750,000	\$ 37,180,000	\$ 38,667,000	\$ 40,214,000	\$ 41,822,000	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 21,514,000	\$ -	\$ -	\$ -	\$ -	\$ 3,972,000	\$ 4,131,000	\$ 4,296,000	\$ 4,468,000	\$ 4,647,000	\$ -	\$ -	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Owner's Representative**	\$ 209,000	\$ -	\$ 209,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 226,379,000	\$ -	\$ 3,740,000	\$ 3,673,000	\$ 3,819,000	\$ 39,722,000	\$ 41,311,000	\$ 42,963,000	\$ 44,682,000	\$ 46,469,000	\$ -	\$ -	

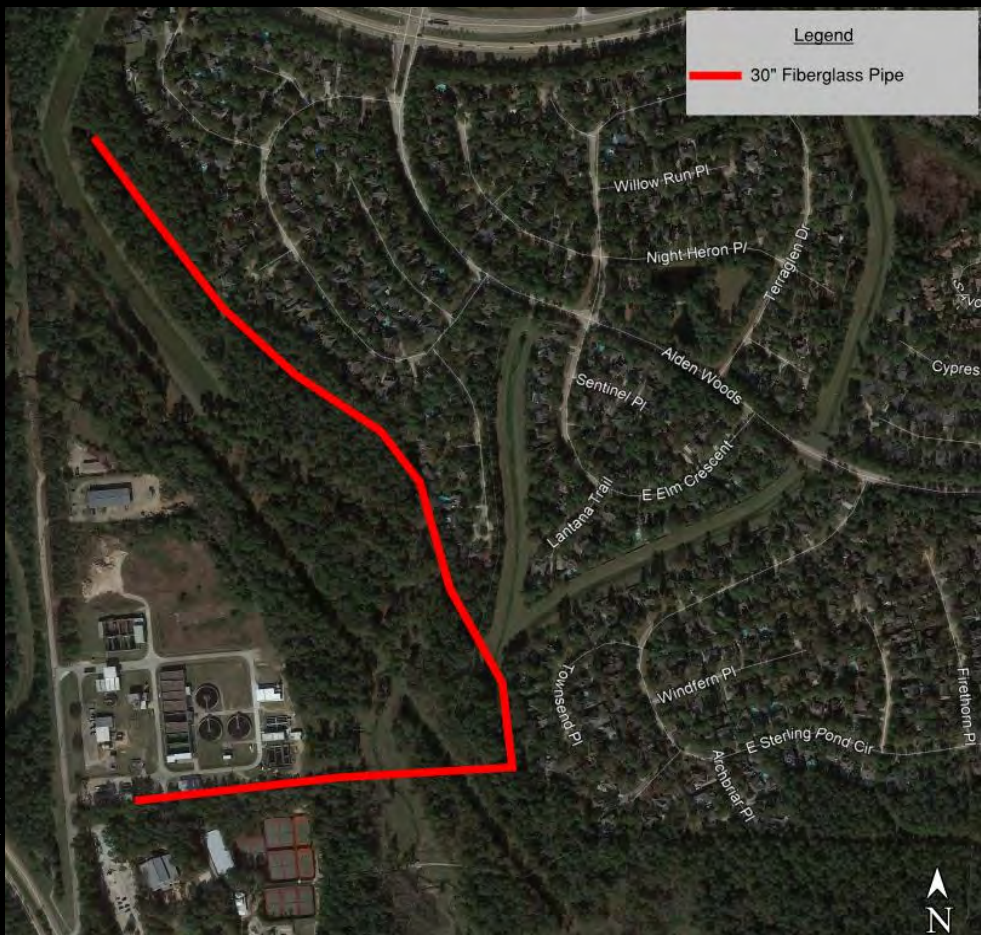
*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION				
Gravity Main Rehabilitation - Hughes Landing and East Shore				WW23GR		2025-2028		The Woodlands				
PROJECT DESCRIPTION				PROJECT MAP/PICTURE								
<p>Some wastewater lines within the collection system have been in service for over 40 years. The aging system requires rehabilitation to avoid collection system failure, sewage overflows, and permit violations. Through the Asset Management Program and the Sanitary Sewer Transmission Assessment and Renewal (SSTAR) Program, specific line segments were identified as high risk for failure and should be rehabilitated within the next few years.</p> <p>The SSTAR Program conducted in 2019 and 2020 included a condition assessment consisting of closed circuit television (CCTV) inspection and analysis of expected remaining useful life. CCTV video footage showed significant deterioration of the existing gravity mains, requiring rehabilitation or replacement. Additionally, these line segments were scored with a high consequence of failure due to their criticality (loss of service) and proximity to a waterway.</p> <p>The line segments included in this project include approximately 5,000 linear feet of 42" ductile iron (DI) pipe located east of Lake Woodlands.</p> <p>This project is part of a phased asset management approach to continuously rehabilitate sanitary sewer gravity mains in the system, to avoid collection system failure, sewage overflows, and permit violations. Other projects as described in WW25GR, WW27GR, WW31GR, and WW32GR will accomplish the goal of rehabilitating the gravity mains identified as being the highest risk for failure. The cost is based upon results from the SSTAR Program with inflation added to the proposed years to design and construct.</p>												
PROJECT SCHEDULE			DELIVERY	FUNDING								
Initiate Cons. Selection:	FY 2025	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M									
PSA/WO Issued:	FY 2025	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds									
Final Proposal Docs:	FY 2025		<input type="checkbox"/> R&R									
Proposals/Bids Received:	FY 2026		<input type="checkbox"/> Other									
Constr. Contract to Board:	FY 2026											
Substantial Completion:	FY 2028	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed									
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER	\$ 314,000	\$ -	\$ -	\$ 314,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Engineering/Design	\$ 627,000	\$ -	\$ -	\$ 627,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Construction	\$ 6,110,500	\$ -	\$ -	\$ -	\$ 1,363,700	\$ 3,455,000	\$ 1,291,800	\$ -	\$ -	\$ -	\$ -	\$ -
CPS, CM&I, and CMT	\$ 610,500	\$ -	\$ -	\$ -	\$ 136,300	\$ 345,000	\$ 129,200	\$ -	\$ -	\$ -	\$ -	\$ -
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total	\$ 7,662,000	\$ -	\$ -	\$ 941,000	\$ 1,500,000	\$ 3,800,000	\$ 1,421,000	\$ -	\$ -	\$ -	\$ -	\$ -

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Gravity Main Rehabilitation - North Bear Branch				WW25GR		2027-2029			The Woodlands				
PROJECT DESCRIPTION						PROJECT MAP/PICTURE							
<p>Some wastewater lines within the collection system have been in service for over 40 years. The aging system requires rehabilitation to avoid collection system failure, sewage overflows, and permit violations. Through the Asset Management Program and the Sanitary Sewer Transmission Assessment and Renewal (SSTAR) Program, specific line segments were identified as high risk for failure and should be rehabilitated within the next few years.</p> <p>The SSTAR Program conducted in 2019 and 2020 included a condition assessment consisting of closed circuit television (CCTV) inspection and analysis of expected remaining useful life. CCTV video footage showed significant deterioration of the existing gravity mains, requiring rehabilitation or replacement. Additionally, these line segments were scored with a high consequence of failure due to their proximity to a sensitive environmental waterway.</p> <p>The line segments included in this project include approximately 1,400 linear feet of 18" ductile iron (DI) pipe, 3300 linear feet of 21" DI pipe, and 2100 linear feet of 24" DI pipe.</p> <p>This project is part of a phased asset management approach to continuously rehabilitate sanitary sewer gravity mains in the system, to avoid collection system failure, sewage overflows, and permit violations. Other projects as described in WW23GR, WW27GR, WW31GR and WW32GR will accomplish the goal of rehabilitating the gravity mains identified as being the highest risk for failure. The cost is based upon results from the SSTAR Program with inflation added to the proposed years to design and construct.</p>													

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Gravity Main Rehabilitation - Upper Panther Branch				WW27GR		2029-2031		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>Some wastewater lines within the collection system have been in service for over 40 years. The aging system requires rehabilitation or renewal to avoid collection system failure, sewage overflows, and permit violations. Through the Asset Management Program, specific line segments were identified as high risk for failure and should be rehabilitated within the next few years.</p> <p>The SSTAR Program conducted in 2019 and 2020 included assessment of the expected remaining useful life for collection system assets. Aging fiberglass pipe was identified as a high-risk asset, but the exact condition of the existing pipe is unknown. Additional closed circuit television (CCTV) inspection will be conducted to confirm the need for this project and its timing.</p> <p>The line segments included in this project include approximately 4,300 linear feet of 30" fiberglass reinforced plastic (FRP) pipe located north of Research Forest Drive, near Wastewater Treatment Facility No. 2.</p> <p>This project is part of a phased asset management approach to continuously rehabilitate sanitary sewer gravity mains in the system, to avoid collection system failure, sewage overflows, and permit violations. Other projects as described in WW23GR, WW25GR, WW31GR and WW32GR will accomplish the goal of rehabilitating the gravity mains identified as being the highest risk for failure. The cost is based upon results from the SSTAR Program with inflation added to the proposed years to design and construct.</p>													
				PROJECT SCHEDULE			DELIVERY		FUNDING				
				Initiate Cons. Selection:			FY 2028	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M				
				PSA/WO Issued:			FY 2029	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds				
Final Proposal Docs:			FY 2029		<input type="checkbox"/> R&R								
Proposals/Bids Received:			FY 2029		<input type="checkbox"/> Other								
Constr. Contract to Board:			FY 2029										
Substantial Completion:			FY 2031	<input type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed								
BUDGET*		TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033
Planning/Permitting/PER		\$ 321,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 321,000	\$ -	\$ -	\$ -	\$ -
Engineering/Design		\$ 642,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 192,600	\$ 449,400	\$ -	\$ -	\$ -
Construction		\$ 6,791,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,716,400	\$ 4,074,600	\$ -	\$ -
CPS, CM&I, and CMT		\$ 652,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 260,800	\$ 391,200	\$ -	\$ -
Land Acquisition		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Equipment Purchase		\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Total		\$ 8,406,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 513,600	\$ 3,426,600	\$ 4,465,800	\$ -	\$ -

*Budget includes contingency.


PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION																																					
Gravity Main Rehabilitation - West of Lake Woodlands				WW31GR		2031-2033		The Woodlands																																					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE																																									
<p>Some wastewater lines within the collection system have been in service for over 40 years. The aging system requires rehabilitation or renewal to avoid collection system failure, sewage overflows, and permit violations. Through the Asset Management Program, specific line segments were identified as high risk for failure and should be rehabilitated within the next few years.</p> <p>The SSTAR Program conducted in 2019 and 2020 included a condition assessment consisting of closed circuit television (CCTV) inspection and analysis of expected remaining useful life. CCTV video footage showed significant deterioration of the existing gravity mains, requiring rehabilitation or replacement. Additionally, these line segments were scored with a high consequence of failure due to their criticality (loss of service) and proximity to Lake Woodlands.</p> <p>The line segments included in this project include approximately rehabilitation of 150 LF of 21-inch vitrified clay pipe (VCP) and 3,200 LF of 24-inch ductile iron (DI) pipe, and installation of 2,867 LF of 24-inch sanitary sewer line and abandonment of 1,475 LF of 24-inch DI pipe.</p> <p>This project is part of a phased asset management approach to continuously rehabilitate sanitary sewer gravity mains in the system, to avoid collection system failure, sewage overflows, and permit violations. Other projects as described in WW23GR, WW25GR, WW27GR, and WW32GR will accomplish the goal of rehabilitating the gravity mains identified as being the highest risk for failure. The cost is based upon results from the SSTAR Program with inflation added to the proposed years to design and construct.</p>				<div><div><div>Legend</div><div><div><div></div><div>21" (CIPP)</div></div><div><div></div><div>24" (CIPP)</div></div><div><div></div><div>24" Trenchless</div></div><div><div></div><div>24" Open Cut</div></div><div><div></div><div>24" Abandon</div></div></div></div></div>																																									
				<table><tr><th colspan="2">PROJECT SCHEDULE</th><th>DELIVERY</th><th>FUNDING</th></tr><tr><td>Initiate Cons. Selection:</td><td>FY 2030</td><td><input checked="" type="checkbox"/> CSP</td><td><input type="checkbox"/> O&M</td></tr><tr><td>PSA/WO Issued:</td><td>FY 2031</td><td><input type="checkbox"/> Other</td><td><input checked="" type="checkbox"/> Bonds</td></tr><tr><td>Final Proposal Docs:</td><td>FY 2031</td><td></td><td><input type="checkbox"/> R&R</td></tr><tr><td>Proposals/Bids Received:</td><td>FY 2031</td><td></td><td><input type="checkbox"/> Other</td></tr><tr><td>Constr. Contract to Board:</td><td>FY 2032</td><td></td><td></td></tr><tr><td>Substantial Completion:</td><td>FY 2033</td><td><input type="checkbox"/> Capitalized</td><td><input type="checkbox"/> Expensed</td></tr></table>				PROJECT SCHEDULE		DELIVERY	FUNDING	Initiate Cons. Selection:	FY 2030	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M	PSA/WO Issued:	FY 2031	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds	Final Proposal Docs:	FY 2031		<input type="checkbox"/> R&R	Proposals/Bids Received:	FY 2031		<input type="checkbox"/> Other	Constr. Contract to Board:	FY 2032			Substantial Completion:	FY 2033	<input type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed										
				PROJECT SCHEDULE		DELIVERY	FUNDING																																						
Initiate Cons. Selection:	FY 2030	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> O&M																																										
PSA/WO Issued:	FY 2031	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Bonds																																										
Final Proposal Docs:	FY 2031		<input type="checkbox"/> R&R																																										
Proposals/Bids Received:	FY 2031		<input type="checkbox"/> Other																																										
Constr. Contract to Board:	FY 2032																																												
Substantial Completion:	FY 2033	<input type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed																																										
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033																																	
Planning/Permitting/PER	\$ 300,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 300,000	\$ -	\$ -																																	
Engineering/Design	\$ 599,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 599,000	\$ -	\$ -																																	
Construction	\$ 6,172,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 1,851,600	\$ 4,320,400																																	
CPS, CM&I, and CMT	\$ 617,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 185,100	\$ 431,900																																	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																																	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -																																	
Total	\$ 7,688,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 899,000	\$ 2,036,700	\$ 4,752,300																																	

*Budget includes contingency.

PROJECT NAME				PROJECT ID		FISCAL YEAR		DIVISION					
Gravity Main Rehabilitation - East of Lake Woodlands				WW32GR		2032-2034		The Woodlands					
PROJECT DESCRIPTION				PROJECT MAP/PICTURE									
<p>Some wastewater lines within the collection system have been in service for over 40 years. The aging system requires rehabilitation or renewal to avoid collection system failure, sewage overflows, and permit violations. Through the Asset Management Program, specific line segments were identified as high risk for failure and should be rehabilitated within the next few years.</p> <p>The SSTAR Program conducted in 2019 and 2020 included a condition assessment consisting of closed circuit television (CCTV) inspection and analysis of expected remaining useful life. CCTV video footage showed significant deterioration of the existing gravity mains, requiring rehabilitation or replacement. Additionally, these line segments were scored with a high consequence of failure due to their criticality (loss of service) and proximity to Lake Woodlands.</p> <p>The line segments included in this project include rehabilitation of approximately 3,575 LF of 42-inch ductile iron (DI) gravity main.</p> <p>This project is part of a phased asset management approach to continuously rehabilitate sanitary sewer gravity mains in the system, to avoid collection system failure, sewage overflows, and permit violations. Other projects as described in WW23GR, WW25GR, WW27GR and WW31GR will accomplish the goal of rehabilitating the gravity mains identified as being the highest risk for failure. The cost is based upon results from the SSTAR Program with inflation added to the proposed years to design and construct.</p>													
PROJECT SCHEDULE				DELIVERY		FUNDING							
Initiate Cons. Selection:		FY 2031		<input checked="" type="checkbox"/> CSP		<input type="checkbox"/> O&M							
PSA/WO Issued:		FY 2032		<input type="checkbox"/> Other		<input checked="" type="checkbox"/> Bonds							
Final Proposal Docs:		FY 2032				<input type="checkbox"/> R&R							
Proposals/Bids Received:		FY 2032				<input type="checkbox"/> Other							
Constr. Contract to Board:		FY 2033											
Substantial Completion:		FY 2034		<input type="checkbox"/> Capitalized		<input type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 200,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 200,000	\$ -	
Engineering/Design	\$ 400,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 400,000	\$ -	
Construction	\$ 2,886,800	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,886,800	
CPS, CM&I, and CMT	\$ 288,400	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 288,400	
Land Acquisition	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 3,775,200	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 600,000	\$ 3,175,200	

*Budget includes contingency.

**Project extends into FY2034. The total project cost is \$5,136,000.

PROJECT NAME				PROJECT ID		FISCAL YEAR			DIVISION				
Wet Weather Flow Capacity Projects				WW2HPF		2026-2031			The Woodlands				
PROJECT DESCRIPTION					PROJECT MAP/PICTURE								
<p>The Wastewater System Optimization Study, which was performed in 2017, studied the effect of inflow and infiltration into the gravity sewer system in The Woodlands, Texas. The study concluded that not addressing current and future inflow and infiltration into both the SJRA Woodlands Division gravity sewer system as well as the gravity sewer system owned by the 11 Woodlands, Texas Municipal Utility Districts (MUDs) would result in future peak flow violations at the three wastewater treatment plants owned and operated by the SJRA Woodlands Division. To address this, the study recommended six (6) projects costing approximately \$38 million over a six year period. These costs resulted from a 2017 and have been adjusted for inflation to match the appropriate fiscal year. These projects are as follows:</p> <p>WWT No. 2 Lift Station Pumping Improvements Lift Station 24B Expansion and Force Main Replacement Enlargement of Lift Station 24 Gravity Line Lift Station No. 7 Expansion Lift Station No. 6 Expansion WWTF No. 2 Clarifier No. 4 Addition</p> <p>This project sheet consolidates these projects into a single project as the current SSTAR Program Phase I seeks to address the inflow and infiltration with gravity sewer rehabilitation projects.</p>													
PROJECT SCHEDULE				DELIVERY	FUNDING								
Initiate Cons. Selection:		FY 2025		<input checked="" type="checkbox"/> CSP <input type="checkbox"/> Other	<input type="checkbox"/> O&M								
PSA/WO Issued:		FY 2026			<input type="checkbox"/> Bonds								
Final Proposal Docs:		FY 2027			<input checked="" type="checkbox"/> R&R								
Proposals/Bids Received:		FY 2027			<input type="checkbox"/> Other								
Constr. Contract to Board:		FY 2027											
Substantial Completion:		FY 2031		<input checked="" type="checkbox"/> Capitalized		<input checked="" type="checkbox"/> Expensed							
BUDGET*	TOTAL	PREVIOUS	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	
Planning/Permitting/PER	\$ 2,854,000	\$ -			\$ 314,000	\$ 799,000	\$ -	\$ 701,000	\$ 1,040,000	\$ -	\$ -	\$ -	
Engineering/Design	\$ 2,854,000	\$ -			\$ 314,000	\$ 799,000	\$ -	\$ 701,000	\$ 1,040,000	\$ -	\$ -	\$ -	
Construction	\$ 30,164,000	\$ -			\$ -	\$ 3,336,000	\$ 8,478,000	\$ -	\$ 9,428,000	\$ 8,922,000	\$ -	\$ -	
CPS, CM&I, and CMT	\$ 2,991,000	\$ -			\$ -	\$ 334,000	\$ 848,000	\$ -	\$ 943,000	\$ 866,000	\$ -	\$ -	
Land Acquisition	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Equipment Purchase	\$ -	\$ -			\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	
Total	\$ 38,863,000	\$ -	\$ -	\$ -	\$ 628,000	\$ 5,268,000	\$ 9,326,000	\$ 1,402,000	\$ 12,451,000	\$ 9,788,000	\$ -	\$ -	

*Budget includes contingency.