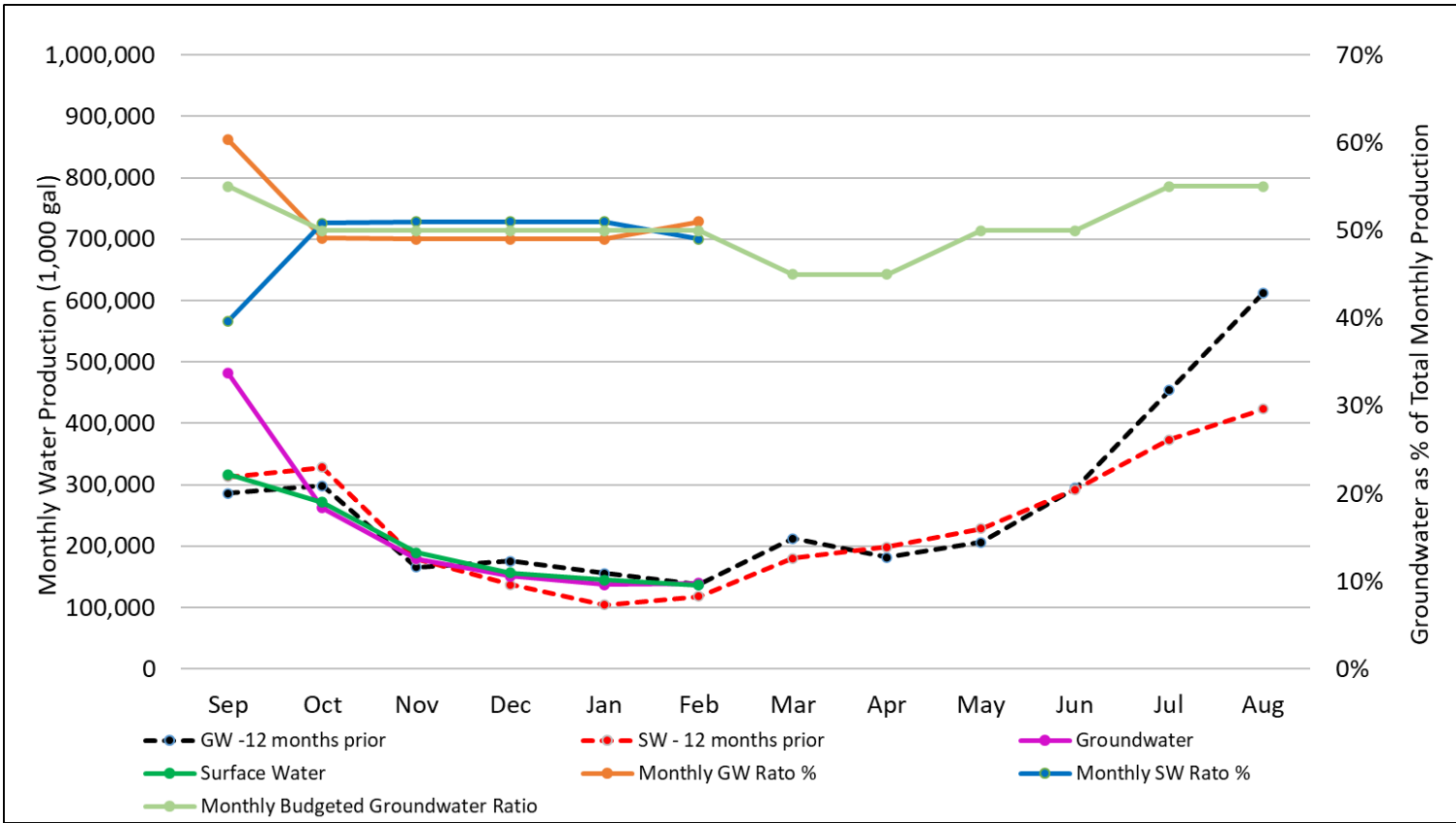
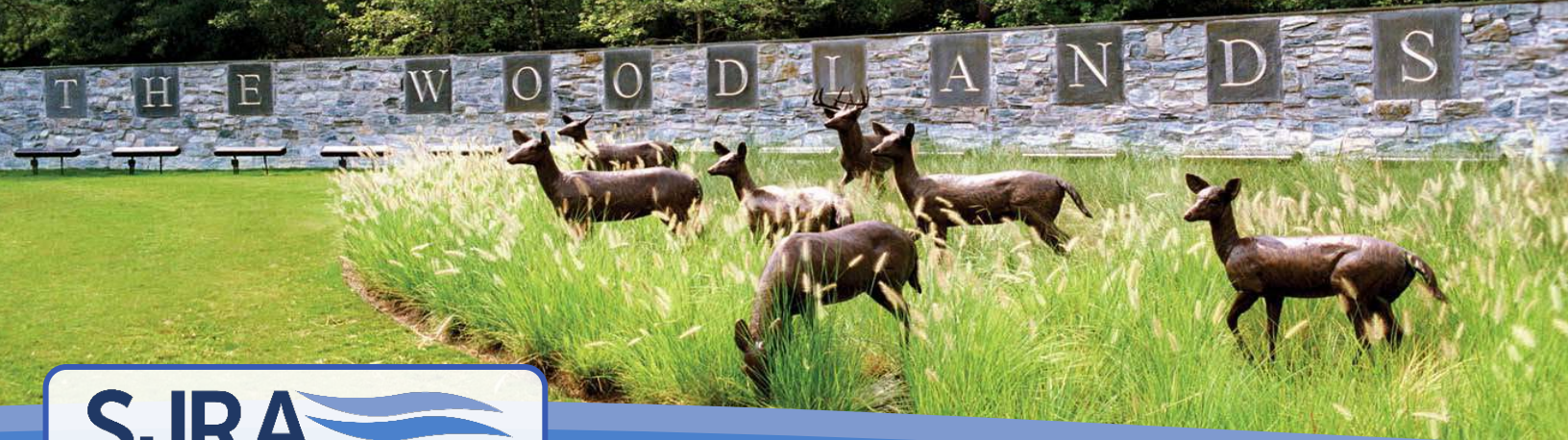


WOODLANDS MONTHLY OPERATIONS REPORT

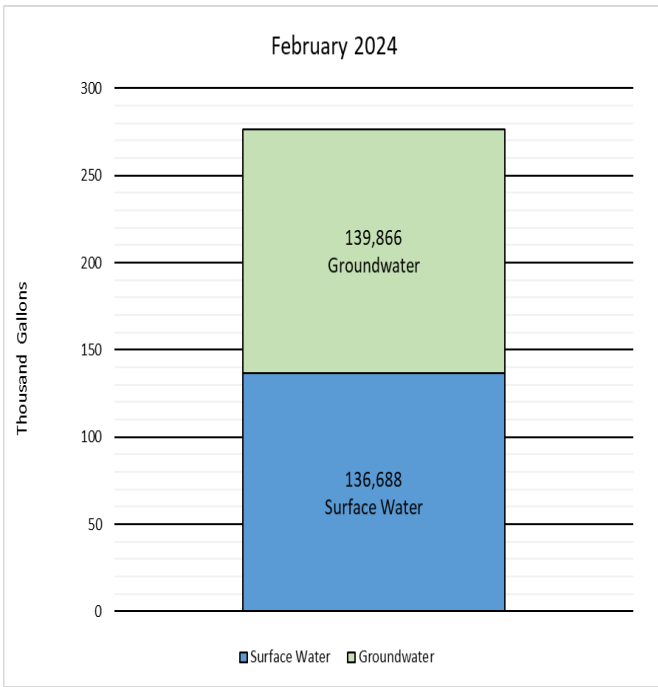
FEBRUARY 2024



FY	Gallons (1,000)	
	Groundwater	Surface Water
2020	3,355,754	2,324,634
2021	2,810,265	2,438,112
2022	3,601,249	2,303,308
2023	3,181,716	2,875,982
(FYTD) 2024	1,351,365	1,215,759

Blend %	
Groundwater	Surface Water
59%	41%
54%	46%
61%	39%
53%	47%
53%	47%

Budgeted %	
Groundwater	Surface Water
65%	35%
65%	35%
65%	35%
50%	50%
50%	50%



Surface Water 49% Groundwater 51%

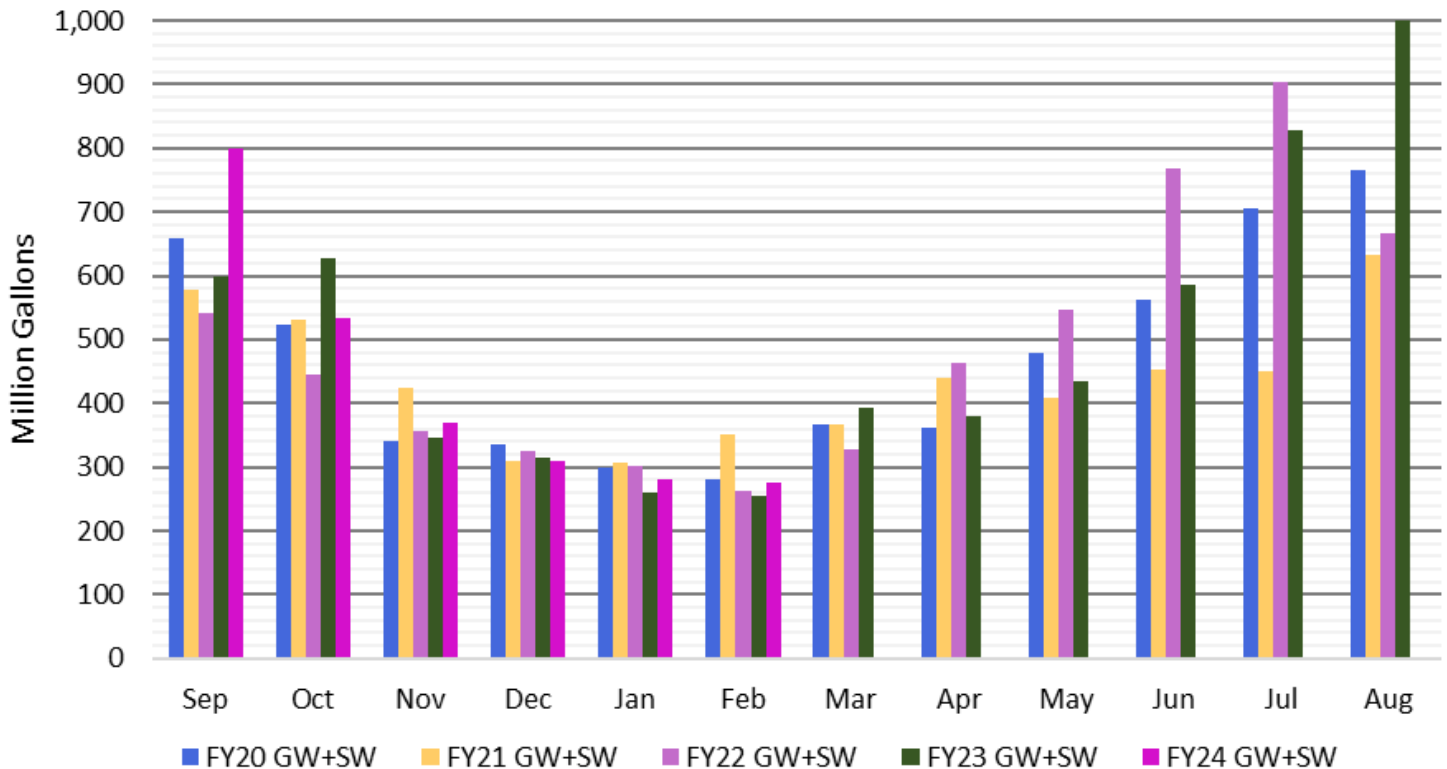
Rolling 12 Month Water Loss February 2023 - January 2024	
Accounted for Loss	1.32%
Unaccounted for Loss	3.46%
Total Loss	4.79%

*Water loss budgeted at 5.5%

*Due to timing of monthly MUD billing the Water Loss report is a month behind.

Monthly Accounted for Water Loss				
Date	Fire Flow	Flush	Breaks	Cause
February 7, 2024		60,649		Fire Hydrant Flush for PRV 12 Install
February 28, 2024		28,000		Deadend Main Flush
February 28, 2024		681,000		Wells 17 & 18 Monthly Flush
February 29, 2024		8,760		Flush EST 1 (60.4)
February 29, 2024		14,670		Flush EST 4 (50.4)

Woodlands Production and Delivery FY2020-2024



2.0 WASTEWATER DATA

For the purpose of the Woodlands Monthly Operations Report, monthly wastewater data reported to TCEQ is reported in the following tables.

Parameter	WWTF No. 1		WWTF No. 2		WWTF No. 3	
	Permitted	Reported	Permitted	Reported	Permitted	Reported
Permitted Flow (MGD)	7.8	2.9	6.0	3.46	0.9	0.754
2-Hour Peak Flow (MGD)	18.0	5.26 2/3/24 (1.45")	15.60	10.34 2/26/24 (0.00")	3.6	1.10 2/3/24 (1.10")
Chlorine (mg/l)	0.1	0.03	0.1	0.04	1.0 (min) 4.0 (max)	1.68 3.18
E. coli (colonies per 100 ml)	200	2.0	200	4.0	399	2.0

3.0 INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
12" and 16" watermain and 16" well collection line relocation	SH242	Drinking Water Transmission Line / Well Collection	TXDOT Construction project	varies	Scheduled completion in May 2024	Relocation of water mains and well collection lines on SH242 due to TXDOT roadway and drainage improvements
Water Well Collection Line 17&18	Woodlands Parkway & Six Pines	Carry raw water from well to water plant	Leak	03/2023		TBD pending discussions with County
Aeration Basins 1 & 2	WWTF No. 1	Biological treatment of wastewater	Structural issues	03/01/2012		To be demolished; Awaiting WW Master Plan
LS-6 Electrical Rehabilitation	Lift Station 6	Upgrade obsolete electrical equipment and add a PLC for SCADA control	Replace and Elevate new control panels to keep out of flood plain	Remaining in service		Starting installation of new electrical panel rack and installation of underground conduit.
BP-2 Repairs	WP-3	Pump Repairs	Seals leaking and shaft walking in the bearings	12/28/2023		Waiting on replacement shaft, seals, and bearings, Parts expected to arrive mid-March.
Wells 5, 11, 22, 26, 32	Varies	Raw water for treatment	Down for rehab	Varies		Wells 5, 11, 32 – Spring 2024; Wells 22 & 26 – FY25
Blower 4 Install	WWTP-3	Install additional blower	Redundancy			During startup, found a defective sensor from factory.

						Waiting for new sensor to arrive.
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Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	240	282.98	Corrective Maintenance (CM)	31	194.00

4.0 FINANCIAL

San Jacinto River Authority – Woodlands Operating Actual to Budget Comparison For the Six Months Ending February 29, 2024

Water Rate: \$2.78
GRP Blended Rate: \$3.20
Wastewater Rate: \$5.65

	February		YTD			Annual Budget
	Actual	Budget	Actual	Budget	Variance	
OPERATING REVENUES	\$ 2,777,432	\$ 2,930,797	\$ 22,475,931	\$ 21,732,360	\$ 743,571	\$ 47,643,480
OTHER REVENUES	\$ 64,970	\$ 700	\$ 432,369	\$ 4,200	\$ 428,169	\$ 8,400
OPERATING EXPENSES						
Salaries, Wages, & Employee Benefits	\$ 556,218	\$ 649,593	\$ 3,496,557	\$ 3,925,146	\$ 428,590	\$ 8,560,304
Professional Fees	20,580	50,375	220,082	356,850	136,768	767,000
Purchased & Contracted Services	946,557	1,009,596	8,704,353	8,551,388	(152,965)	19,087,753
Supplies, Materials & Utilities	420,970	578,157	2,422,091	3,713,940	1,291,850	7,271,121
Rentals	1,003	1,442	2,991	8,650	5,659	17,300
Maintenance, Repairs & Parts	121,935	189,840	793,879	1,139,038	345,159	2,278,075
General & Administrative Expenses	63,042	71,729	394,194	433,131	38,936	927,262
TOTAL OPERATING EXPENSES	\$ 2,130,304	\$ 2,550,730	\$ 16,034,146	\$ 18,128,144	\$ 2,093,997	\$ 38,908,816
NON-OPERATING EXPENSES	\$ 37,684	\$ 37,684	\$ 226,513	\$ 226,513	\$ (0)	\$ 452,580
TOTAL EXPENSES	\$ 2,167,988	\$ 2,588,414	\$ 16,260,659	\$ 18,354,656	\$ 2,093,997	\$ 39,361,396
NET REVENUES OVER EXPENSES	\$ 674,414	\$ 343,082	\$ 6,647,641	\$ 3,381,904	\$ 3,265,737	\$ 8,290,484
CAPITAL IMPROVEMENTS	\$ -	\$ 21,956	\$ 255,413	\$ 316,225	\$ 60,812	\$ 447,960
OTHER SOURCES (USES)						
Bond Principal	\$ (136,667)	\$ (136,667)	\$ (820,833)	\$ (820,833)	\$ -	\$ (1,649,167)
Lease Principal	(696)	(696)	(4,151)	(4,151)	-	(8,364)
Repair and Replacement Transfers	(450,000)	(450,000)	(2,800,000)	(2,800,000)	-	(6,000,000)
Operating Reserve Fund	-	-	(264,144)	(264,144)	-	(264,144)
TOTAL OTHER SOURCES (USES)	\$ (587,363)	\$ (587,363)	\$ (3,889,128)	\$ (3,889,128)	\$ -	\$ (7,921,675)
NET CASH BASIS SOURCES (USES)	\$ 87,051	\$ (266,236)	\$ 2,503,101	\$ (823,449)	\$ 3,326,550	\$ (79,150)

5.0 PROJECTS AND FUNDING

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status	
South Shore Gravity Main Rehabilitation	1 6 7	2017 Bonds R&R	Design	Design				May-24	Design is 55% complete. Site visits and coordination with entities and utilities ongoing. Construction estimated to begin April 2025.
				Bonds \$2,025,600	Bonds \$1,097,175	Bonds \$0			
				R&R \$322,134	R&R \$322,134	R&R \$277,635			
				Construction				TBD	
				Bonds \$10,486,750	Bonds \$0	Bonds \$0			
WWTF No. 2 Tertiary Filter Renewal	7 67	R&R	Design	Design				May-24	Design - SJRA coordinating with consultant to provide updates to drawings and specifications to advertise for construction. Construction anticipated to begin September 2024.
				\$917,000	\$376,118	\$327,387			
				Construction				TBD	
				\$5,734,000	\$0	\$0			
Lift Station Rehabilitation	All	R&R	Design / Construction	Design				Aug-24	Funding for various pipe and valve replacements, coating of concrete, generator installations, etc.
				\$54,000	\$32,318	\$32,318			
				Construction					

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
				\$792,000	\$567,136	\$470,048	Aug-24	Currently working on installation of generators and new control panels at several lift stations.
WWTF No. 1 Master Plan	All	2017 Bonds	Study	Study				Final report was received on January 15, 2024. The report was transmitted to the MUD Directors.
				\$500,000	\$500,000	\$334,949	Jan-24	
Owner's Advisor for new WWTF No. 1	All	R&R/Bond	Procurement	Owner's Advisor Services				Approved at SJRA February 2024 Board meeting. Kick-off meeting occurred on February 28, 2024.
				\$550,000	\$534,096	\$0	Aug-25	
WWTF No. 2 Headworks Rehabilitation	7 67	R&R	Construction	Design				Bypass pump and piping has been set up to bypass lift station and do wet well piping replacement.
				\$244,000	\$375,982	\$258,174	Mar-23	
				Construction				
				\$1,456,000	\$1,785,000	\$319,145	Aug-24	
Lift Station No. 1 Gravity Main Bypass and Decommissioning	6	R&R	Design	Design				Final design work order approved at February 2024 Board meeting. Kick-off meeting scheduled for March 12, 2024.
				\$168,150	\$145,163	\$0	Feb-25	
Wastewater Conveyance Optimization	6	2017 Bonds R&R	Study	Design				Project is to determine feasibility of removing up to five lift stations from service and
				Bonds \$689,000	Bonds \$747,749	Bonds \$101,076	Apr-24	

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status	
				R&R \$41,000	R&R \$0	R&R \$0		replacing with gravity main. Study is ongoing and approximately 60% complete.	
				Construction					
				\$0	\$0	\$0	TBD		
Emergency Repair Service Center (WWTF No. 2 Storage Building No. 2)	6	Cash R&R	Procurement	Design				Nov-23	Project is to construct a metal building for the storage and repair of pipes, pumps, motors, etc. The construction contract was approved at the February 2024 Board meeting. Preconstruction conference scheduled for March 4, 2024.
				Cash \$19,980	Cash \$19,980	Cash \$19,980			
				R&R \$21,020	R&R \$11,136	R&R \$11,136			
				Construction				TBD	
				Cash \$10,685	Cash \$5,897	Cash \$5,897			
				R&R \$459,000	R&R \$483,963	R&R \$13,224			
Digital Water System	All	R&R	Design	Design				Aug-24	Working on functionality of existing dashboards and planning for predictive analysis, financial model integration, and project planning.
				\$250,000	\$248,600	\$239,073			
Town Center Water Line Renewal	Metro 6 36 60	R&R	Design	Design				Feb-24	Design is 97% complete. Metes and bounds for easements being finalized, but not
				\$754,000	\$1,046,283	\$844,902			

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
	67			Construction				currently moving forward with easement acquisition. Design completion on hold.
				\$4,917,000	\$0	\$0	TBD	
AC Water Lines Condition Based Assessment	All	R&R	Study	Study				Developing scope and fee for study of AC water lines. Will take work order to SJRA March 2024 board for approval.
				\$1,600,000	\$0	\$0	TBD	
Harper's Landing Water Line Loop Install	39	R&R	Procurement	Design				Project is to add redundant water line on Harper's Landing. Contractor mobilized end of February 2024
				\$125,000	\$57,123	\$50,412	Sep-23	
				Construction				
			\$478,000	\$244,585	\$2,491	TBD		
Pressure Regulating Valve on Grogan's Mill	60	R&R	Construction	Design				Construction contractor selected and construction started late-January 2024. Project 90% complete.
				\$10,000	\$12,379	\$5,138	May-23	
				Construction				
			\$94,000	\$137,266	\$4,764	Apr-24		
Water Plant Nos. 1, 2 & 3 Generators	36 47	R&R	Design	Design				Consultant submitted 100% signed/sealed documents on
				\$201,000	\$165,199	\$148,986	Mar-24	

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
				Construction				December 26, 2023. Construction to advertise March or April 2024.
				\$2,209,000	\$821,443	\$256,641	TBD	
Water Well Nos. 5, 11 & 32 Rehabilitation	47 60 67	R&R	Construction	Design				Construction in progress. In-well work complete at Well 5 and on-going at Well 11. New mechanical equipment soon to arrive. In-well work almost complete at Well 32 and equipment on order. Project on track.
				\$119,000	\$0	\$0	Mar-23	
				Construction				
				\$1,313,000	\$946,984	\$195,608	May-24	
Elevated Storage Tank No. 6	47	Cash R&R	Design	Design				Work order for preliminary design approved at SJRA December 2023 board meeting. Kick-off scheduled for January 22, 2024. Working on preliminary engineering.
				Cash \$0	Cash \$0	Cash \$0	May-25	
				R&R \$570,000	R&R \$612,047	R&R \$30,360		
				Construction				
				\$0	\$13,750	\$13,750	TBD	
Water Well Nos. 22, 26 and 33 Rehabilitation and Water Well No. 2 Abandonment	36 39 46 67	R&R	Design	Design				Project advertised on February 9, 2024. Proposals are due on March 14, 2024.
				\$114,000	\$0	\$0	Feb-24	

Design includes all cost to prepare for construction, including:

- Planning & permitting
- Engineering & design
- Land acquisition

Construction includes cost related to construction, including:

- Construction
- Construction phase services (CPS)
- Construction management & inspection (CM&I)
- Construction material testing (CMT)
- Equipment Purchase/Procurement

D - references Design

C - references Construction

B - references Bonds

S - references Study

Green – New projects

Yellow – Closed projects

WOODLANDS ACRONYMS AND DEFINITIONS

ACRONYMS

FY	Fiscal Year
FYTD	Fiscal Year To Date
KPI	Key Performance Indicator
LSGCD	Lone Star Groundwater Conservation District
MGD	Million Gallons Per Day
SJRA	San Jacinto River Authority
TCEQ	Texas Commission on Environmental Quality

DEFINITIONS

SJRA WO Division

Located in southern Montgomery County, the Woodlands Division provides wholesale water supply and wastewater treatment services to the 100,000-plus population of The Woodlands through the financing, construction, operation, and maintenance of three regional wastewater treatment plants, a wastewater conveyance system with thirty plus lift stations, five water plants, thirty eight water wells, six elevated and eight ground storage tanks, and miles of wastewater collection and potable water distribution lines

SJRA GRP Division

Division of the SJRA responsible for GRP compliance, and the management, administration, operation and maintenance of the surface water facilities and surface water transmission system. The GRP Division operates and maintains a 30 MGD surface water treatment facility and 55 miles of transmission water lines.

Surface Water

Surface water comes from rivers and lakes and receives a high degree of treatment and disinfection prior to being distributed to customers.

Groundwater

The water that fills cracks, voids, and other openings in beds of rocks, sand, and soil is called groundwater. It is found in soils and sands that are able to retain the water — much like a sponge holds water — and is constantly replenished by rainfall or snow.

Wastewater Treatment Plant (WWTF) No. 1

WWTF No. 1 is located north of Sawdust Road, has a design capacity of 7.8 million gallons per day (MGD), and is permitted for a 2-hour peak flow of 18.0 MGD. The WWTF receives raw sewage (influent) from residential dwellings and commercial businesses.

Wastewater Treatment Plant (WWTF) No. 2

WWTF No. 2 is located on Research Forest, has a design capacity of 6.0 MGD, and is permitted for a 2-hour peak flow of 15.6 MGD. The WWTF receives raw sewage (influent) from residential dwellings and commercial businesses.

Wastewater Treatment Plant (WWTF) No. 3

WWTF No. 3 is located in Harpers Landing and has a permitted flow of 0.900 MGD. The WWTF receives influent from residential dwellings and a few commercial businesses.