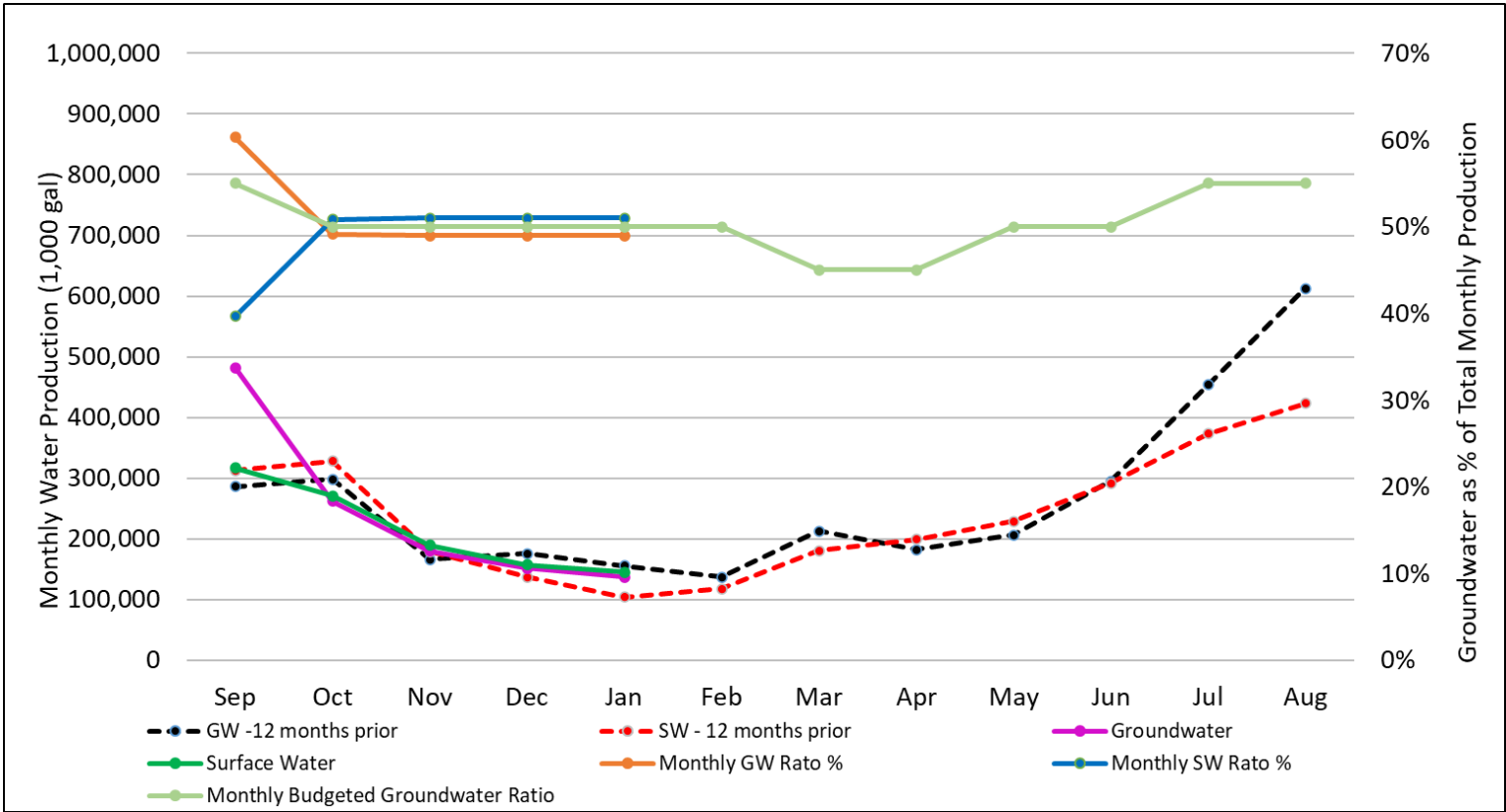
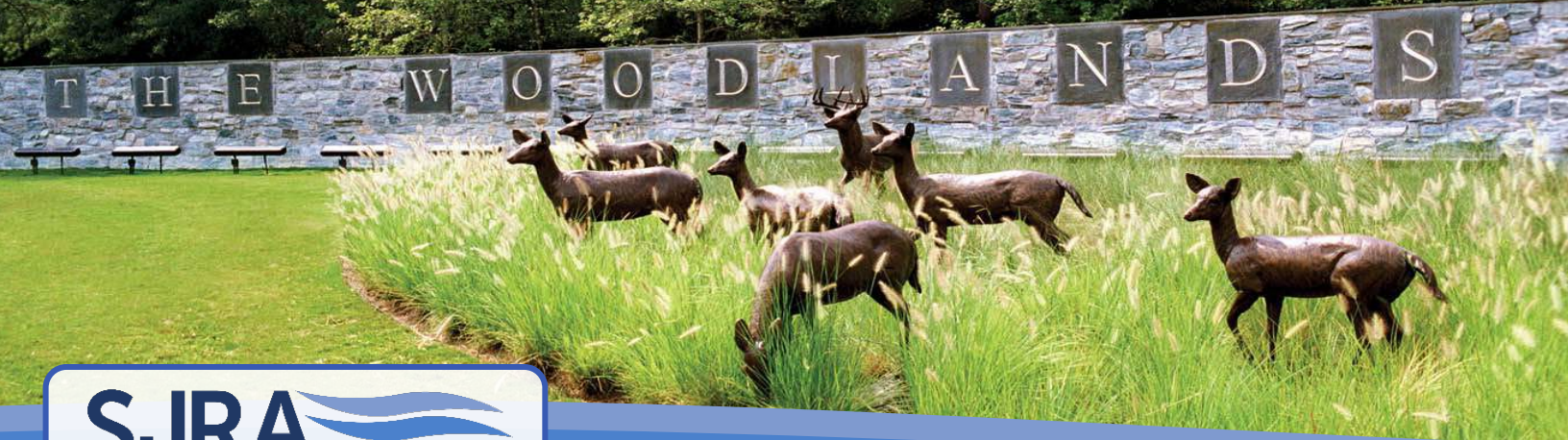


WOODLANDS MONTHLY OPERATIONS REPORT

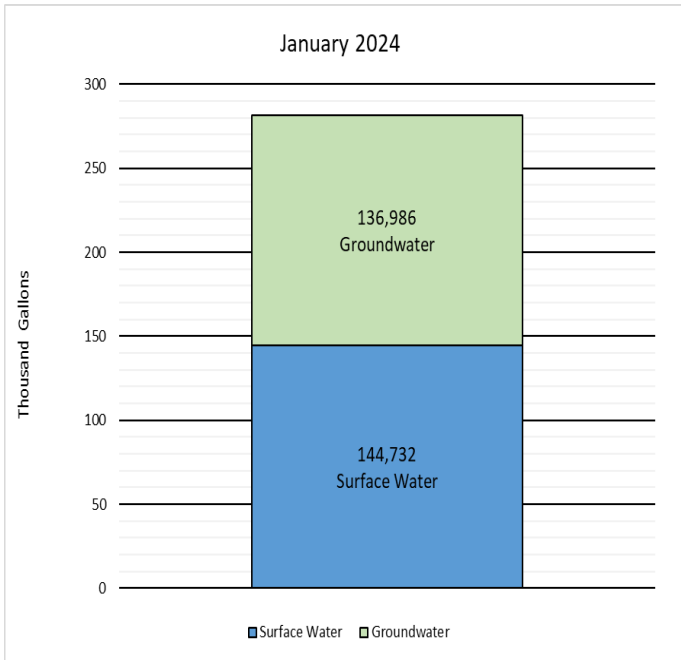
JANUARY 2024



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	1,211,499	1,079,071

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 51% Groundwater 49%

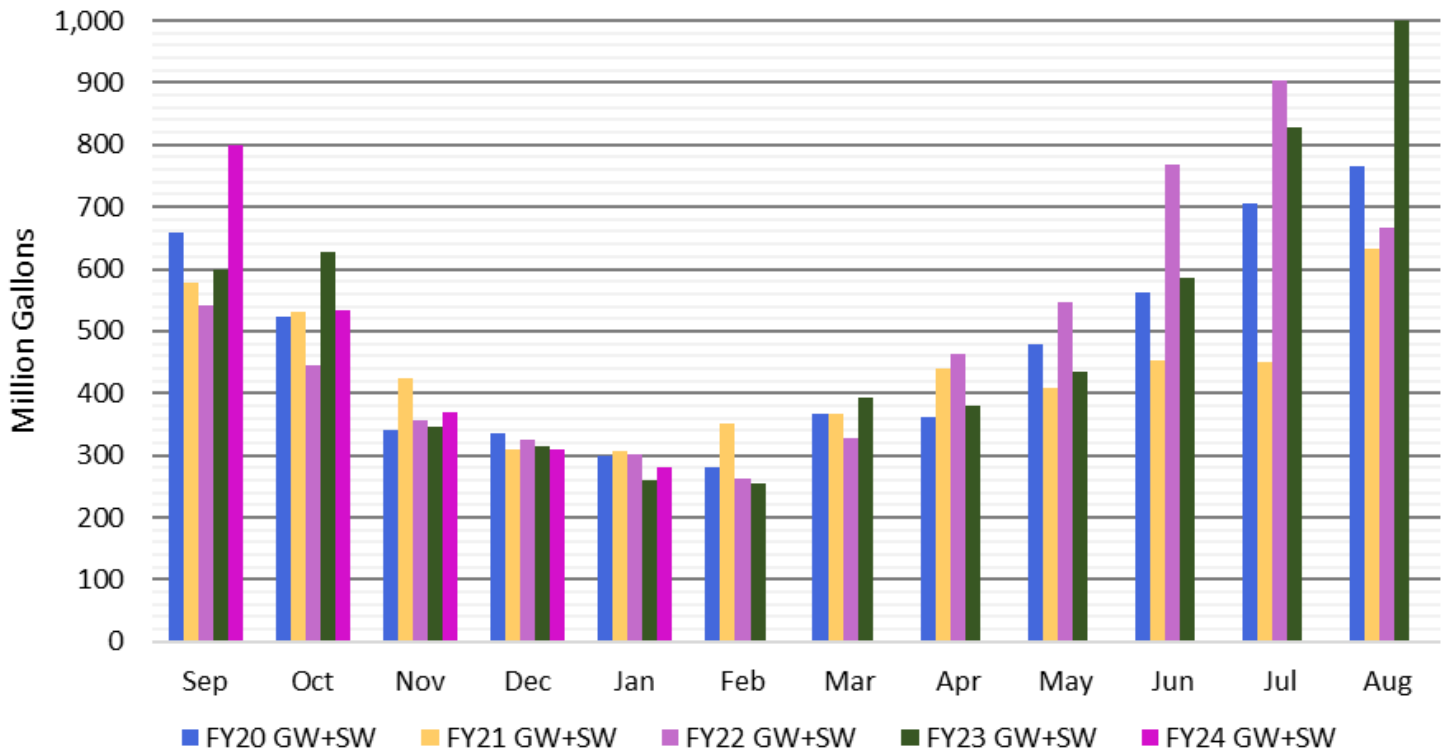
Rolling 12 Month Water Loss January 2023 - December 2023	
Accounted for Loss	2.20%
Unaccounted for Loss	3.30%
Total Loss	5.50%

*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
January 12, 2024			68,389	12" push on T leaking from fitting Wimberly Way
January 24, 2024		24,600		Deadend main flush
January 29, 2024		10,725		EST 2 Overflow (60.5)
January 29, 2024			63,126	12" Valve Leak Cochrans Crossing and Lost Pond
January 30, 2024		661,000		Wells 17 & 18 monthly flush
January 30, 2024		454,869		Flush 3 Hydrants in prep for sampling at 19 Thistlewood
January 31, 2024			332,190	12" valve replacement S. Windvale

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	3.3	6.0	3.91	0.9	0.526
2-Hour Peak Flow (MGD)	18.0	8.55 1/24/24 (3.70")	15.60	8.27 1/24/24 (3.06")	3.6	1.29 1/23/2024 (2.00")
Chlorine (mg/l)	0.1	0.02	0.1	0.04	1.0 (min) 4.0 (max)	1.54 3.48
E. coli (colonies per 100 ml)	200	2.0	200	27.0	399	2.0

3.0 INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to repair
12" Valve	242 and W.Windvale	Drinking Water Transmission Line Isolation	Push on valve, looks as if the valve had shifted causing it leak from both gaskets	1/31/2024	1/31/2024	Job was completed. New valve was sleeved in to replace defective valve. Approx 50 connections affected by this repair.
12" Valve	Cochrans Crossing Drive and Lost Pond	Drinking Water Transmission Line Isolation	Gasket and retaining bolts on valve bonnet failed	1/29/2024	1/29/2024	Job was completed. New valve was sleeved in to replace defective valve. No customers out of service for this repair.
12" push on T leak from fitting. PVC Line	263 N. Wimberly Way	Drinking Water Transmission Line	Leak	1/12/2024	1/12/2024	Job completed. Leak was at a fitting where the water line reduced from 12" to 8". 25 connections affected by this repair
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
BP-1 Replacement	WP-2	Increase output capacity	Replace 3000 gpm pump with 5000 gpm	10/24/2023		New booster pump is in service

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
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			Blower installed, startup scheduled.

Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	350	348.90	Corrective Maintenance (CM)	37	186.00

4.0 FINANCIAL

San Jacinto River Authority - Woodlands Operating
Actual to Budget Comparison
For the Five Months Ending January 31, 2024

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

	January		YTD			Annual Budget
	Actual	Budget	Actual	Budget	Variance	
OPERATING REVENUES	\$ 2,719,533	\$ 2,880,397	\$ 19,698,499	\$ 18,801,563	\$ 896,936	\$ 47,643,480
OTHER REVENUES	\$ 71,622	\$ 700	\$ 367,399	\$ 3,500	\$ 363,899	\$ 8,400
OPERATING EXPENSES						
Salaries, Wages, & Employee Benefits	\$ 617,560	\$ 649,593	\$ 2,940,339	\$ 3,275,553	\$ 335,215	\$ 8,560,304
Professional Fees	53,276	64,975	199,502	306,475	106,973	767,000
Purchased & Contracted Services	1,093,830	981,058	7,757,796	7,541,792	(216,004)	19,087,753
Supplies, Materials & Utilities	420,180	603,157	2,001,121	3,135,784	1,134,663	7,271,121
Rentals	244	1,442	1,988	7,208	5,221	17,300
Maintenance, Repairs & Parts	197,037	189,840	671,944	949,198	277,254	2,278,075
General & Administrative Expenses	69,204	71,729	331,152	361,402	30,250	927,262
TOTAL OPERATING EXPENSES	\$ 2,451,331	\$ 2,561,792	\$ 13,903,842	\$ 15,577,413	\$ 1,673,571	\$ 38,908,816
NON-OPERATING EXPENSES	\$ 37,686	\$ 37,686	\$ 188,829	\$ 188,829	\$ (0)	\$ 452,580
TOTAL EXPENSES	\$ 2,489,017	\$ 2,599,478	\$ 14,092,671	\$ 15,766,242	\$ 1,673,571	\$ 39,361,396
NET REVENUES OVER EXPENSES	\$ 302,138	\$ 281,619	\$ 5,973,227	\$ 3,038,822	\$ 2,934,406	\$ 8,290,484
CAPITAL IMPROVEMENTS	\$ 51,387	\$ 21,956	\$ 255,413	\$ 294,269	\$ 38,856	\$ 447,960
OTHER SOURCES (USES)						
Bond Principal	\$ (136,667)	\$ (136,667)	\$ (684,166)	\$ (684,166)	\$ -	\$ (1,649,167)
Lease Principal	(694)	(694)	(3,454)	(3,454)	-	(8,364)
Repair and Replacement Transfers	(450,000)	(450,000)	(2,350,000)	(2,350,000)	-	(6,000,000)
Operating Reserve Fund	-	-	(264,144)	(264,144)	-	(264,144)
TOTAL OTHER SOURCES (USES)	\$ (587,361)	\$ (587,361)	\$ (3,301,765)	\$ (3,301,765)	\$ -	\$ (7,921,675)
NET CASH BASIS SOURCES (USES)	\$ (336,611)	\$ (327,698)	\$ 2,416,050	\$ (557,212)	\$ 2,973,262	\$ (79,150)

Cut-off for invoices received through 2/8/2024

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 50% 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 \$230,887			
				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	\$313,630			
				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. Currently working on installation of generators and new
				\$54,000	\$32,318	\$32,318			
				Construction				Aug-24	
				\$792,000	\$527,903	\$452,275			

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status	
								control panels at several lift stations.	
WWTF No. 1 Master Plan	All	2017 Bonds	Study	Study				Jan-24	Final report was received on January 15, 2024. The report was transmitted to the MUD Directors.
				\$500,000	\$500,000	\$334,949			
Owner's Advisor for new WWTF No. 1	All	R&R/Bond	Procurement	Owner's Advisor Services				Aug-25	Finalizing scope and fee for Owner's Advisor Services. Plan to take work order to SJRA February 2024 board for approval.
				\$550,000	\$0	\$0			
WWTF No. 2 Headworks Rehabilitation	7 67	R&R	Construction	Design				Mar-23	Contractor has mobilized to site and completed exterior concrete repairs. Waiting on equipment for bypass facilities to do interior concrete repairs.
				\$244,000	\$375,982	\$257,320			
				Construction				Aug-24	
Lift Station No. 1 Gravity Main Bypass and Decommissioning	6	R&R	Design	Design				Feb-25	Project is to eliminate a lift station in lieu of replacing force main and will include adding a gravity main and demolishing the existing lift station. Final design work order to go to SJRA February 2024 board for approval.
				\$168,150	\$23,711	\$23,711			
				Construction				TBD	

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status	
Wastewater Conveyance Optimization	6	2017 Bonds R&R	Study	Design				Apr-24	Project is to determine feasibility of removing up to five lift stations from service and replacing with gravity main. Route Study work order approved in October 2023 SJRA Board meeting. Study is ongoing.
				Bonds \$689,000	Bonds \$747,749	Bonds \$0			
				R&R \$41,000	R&R \$0	R&R \$0			
				Construction				TBD	
				\$0	\$0	\$0			
Emergency Repair Service Center (WWTF No. 2 Storage Building No. 2)	6	Cash R&R	Procurement	Design				Nov-23	Proposals for construction due January 9, 2024. Anticipate taking the construction contract to SJRA's board February 2024. Project is to construct a metal building for the storage and repair of pipes, pumps, motors, etc.
				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 \$13,224	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			
		R&R	Design	Design					

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status		
Town Center Water Line Renewal	Metro 6 36 60 67			\$754,000	\$1,045,648	\$844,902	Feb-24	Design is 97% complete. Metes and bounds for easements being finalized, but not currently moving forward with easement acquisition. Design completion on hold.		
				Construction						
				\$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. Anticipate taking 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. Construction contract approved in December 2023. Preconstruction meeting occurred January 22, 2024. Work to start mid-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 on track.		
				\$10,000	\$12,379	\$5,138	May-23			
				Construction						
				\$94,000	\$137,266	\$4,764	Apr-24			

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
Water Plant Nos. 1, 2 & 3 Generators	36 47	R&R	Design	Design				Consultant submitted 100% signed/sealed documents on December 26, 2023. Construction to advertise March or April 2024.
				\$201,000	\$165,199	\$148,986	Mar-24	
				Construction				
				\$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 on order for both wells. In-well work commenced at Well 32 in January 2024. Project on track.
				\$119,000	\$0	\$0	Mar-23	
				Construction				
				\$1,313,000	\$941,301	\$189,925	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.
				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	36 39 46 67	R&R	Design	Design				Design is at 100%. Working on procurement documents to prepare for advertisement in
				\$114,000	\$0	\$0	Feb-24	

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
No. 2 Abandonment								February 2024. Project on track.

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.