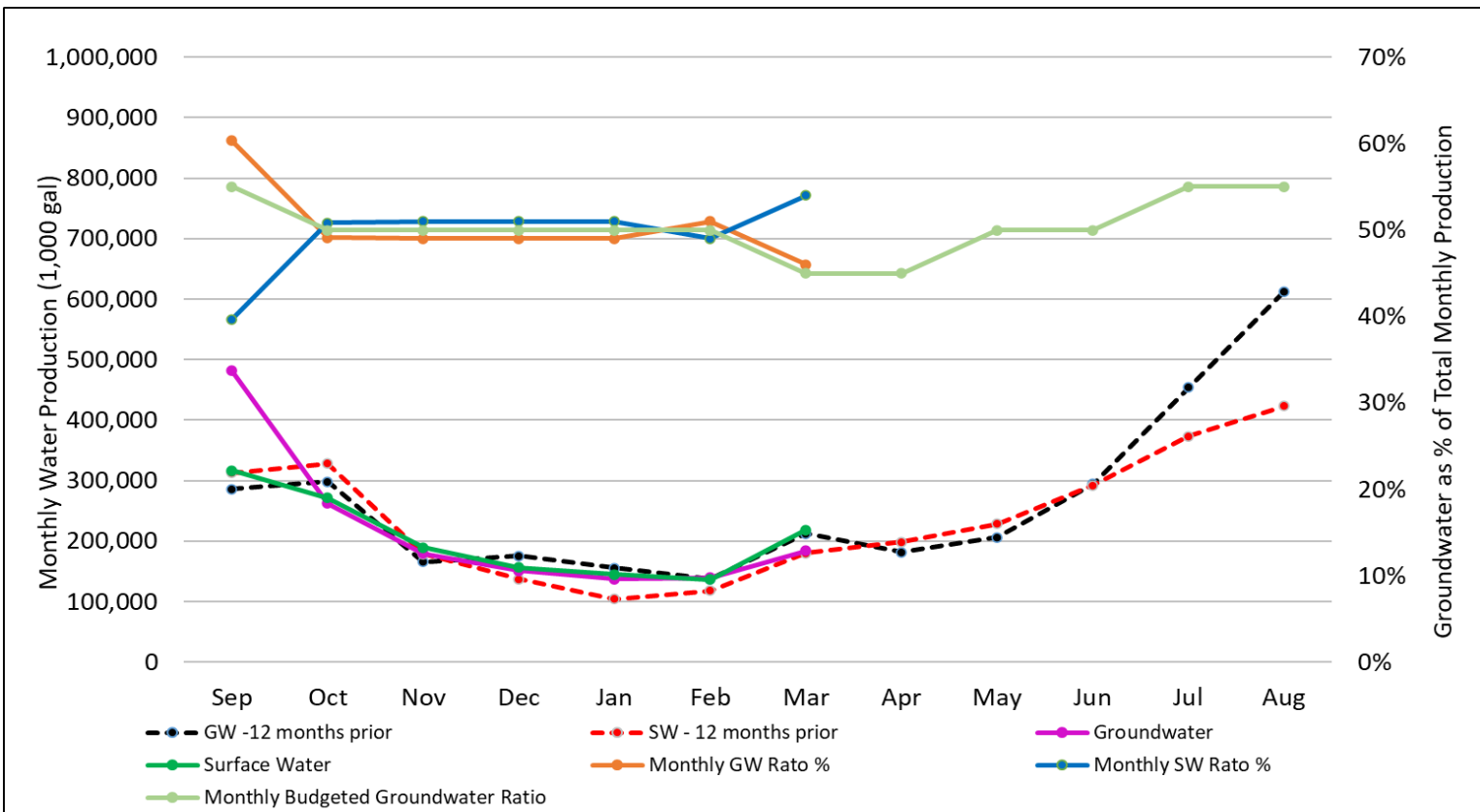
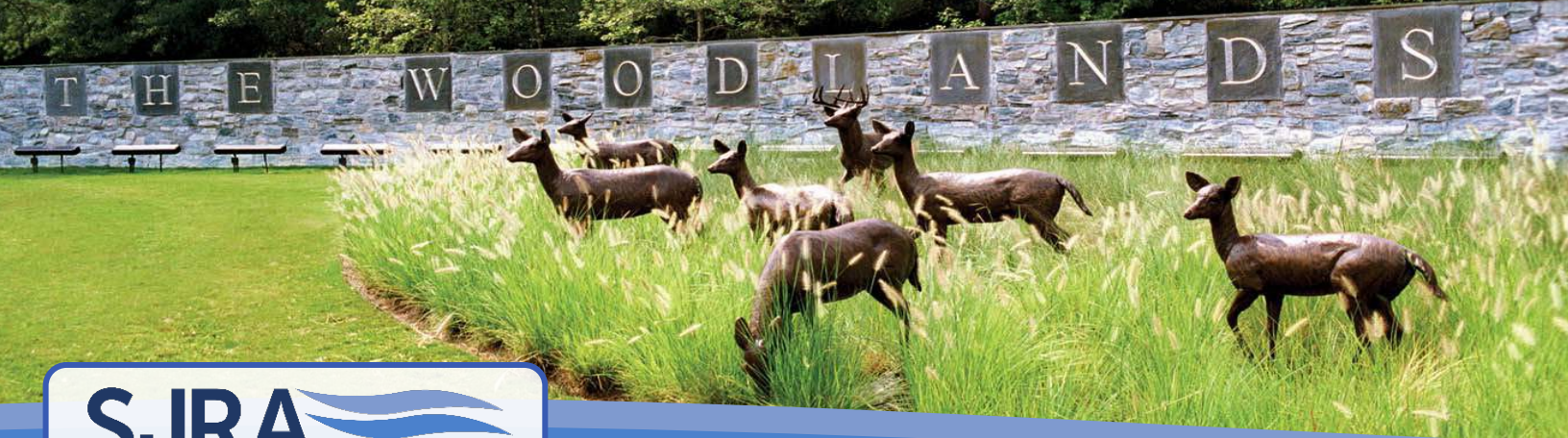
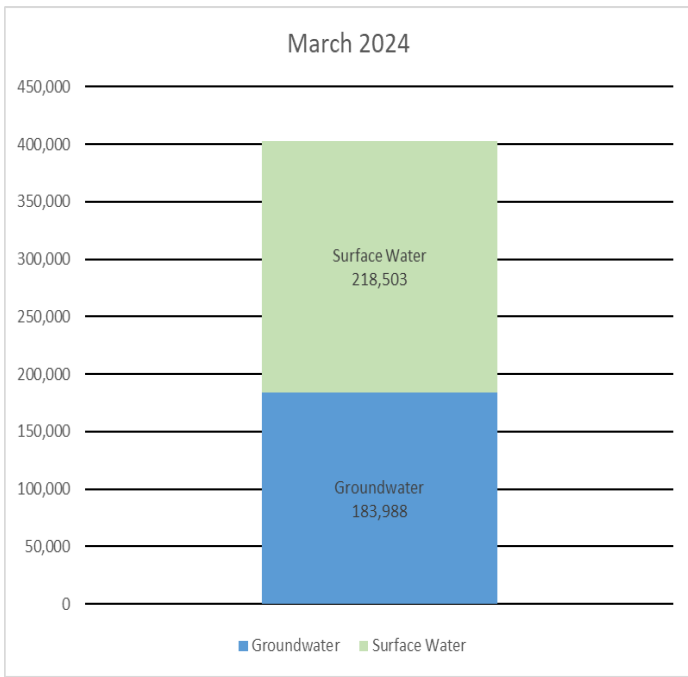


# WOODLANDS MONTHLY OPERATIONS REPORT

## MARCH 2024



FY	Gallons (1,000)		Blend %		Budgeted %	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
2020	3,355,754	2,324,634	59%	41%	65%	35%
2021	2,810,265	2,438,112	54%	46%	65%	35%
2022	3,601,249	2,303,308	61%	39%	65%	35%
2023	3,181,716	2,875,982	53%	47%	50%	50%
(FYTD) 2024	1,535,353	1,434,262	52%	48%	50%	50%



Surface Water 54% Groundwater 46%

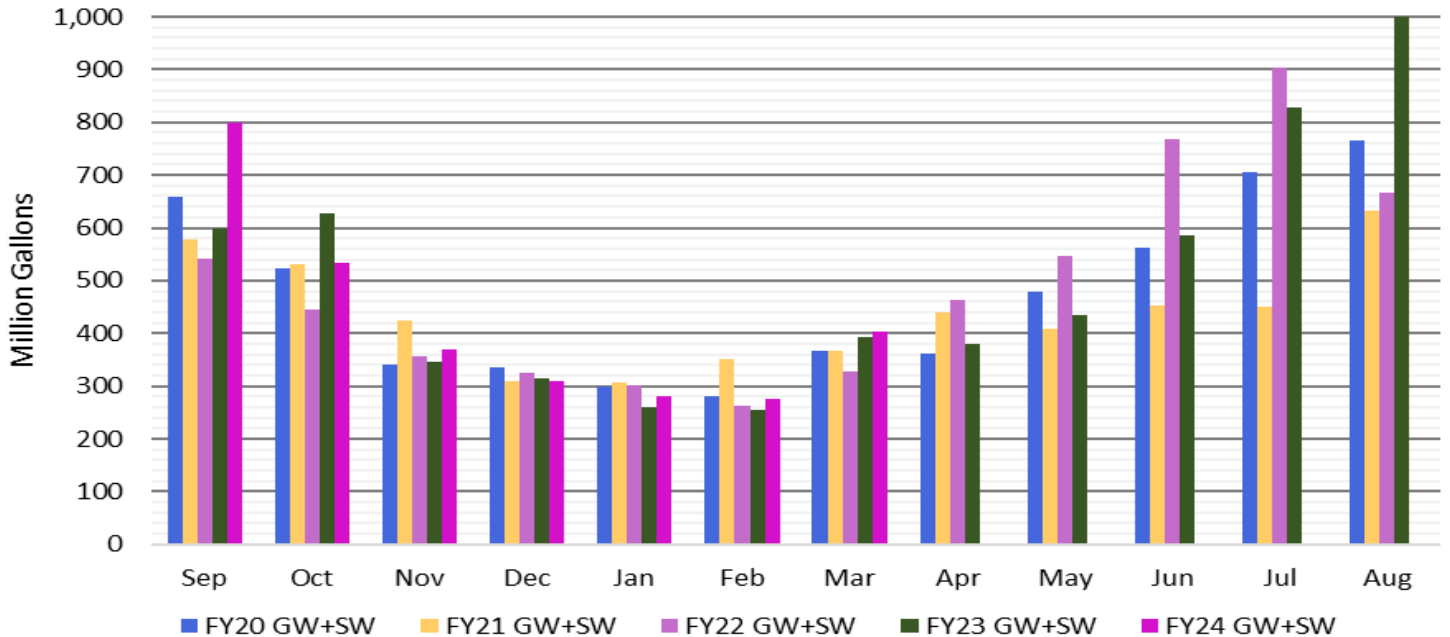
Rolling 12 Month Water Loss March 2023 - February 2024	
Accounted for Loss	1.22%
Unaccounted for Loss	3.48%
<b>Total Loss</b>	<b>4.70%</b>

\*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
March 5, 2024		13,380		Flush WP5 GST
March 11, 2024			50,000	WWA 1" service line break
March 19, 2024		63,126		Hydrant flush for project testing
March 21, 2024		24,060		Flush EST 3
March 21, 2024		14,165		Flush EST 5
March 21, 2024			375,000	WWA" water main
March 22, 2024		25,000		Deadend Main Flush
March 24, 2024		378,755		Hydrant flush for 16" valve install
March 25, 2024		772,000		Wells 17 & 18 monthly Flush
March 28, 2024			26,000	12" AC Line Leak at Harpers Landing and Trade Center
March 29, 2024		2,660,000		WWA Annual hydrant maintenance flush
March 31, 2024			1,124,000	WWA 6" fire hydrant lead broke

### 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	2.94	6.0	3.37	0.9	0.52
2-Hour Peak Flow (MGD)	18.0	9.24 3/22/24 (3.37")	15.60	7.46 3/22/24 (3.30")	3.6	1.40 3/18/24 (0.10")
Chlorine (mg/l)	0.1	0.02	0.1	0.02	1.0 (min) 4.0 (max)	1.67 3.84
E. coli (colonies per 100 ml)	200	2.0	200	11.0	399	2.0

## 3.0 INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
12" AC watermain with associated valves and fittings	Harpers Landing and Trade Center	Drinking Water Transmission Line	Leak found on 12 AC line where mated to 12" push on valve.	03/28/2024	03/29/2024 'Overnight Repair'	Due to location of leak at a major water main intersection for Harpers Landing. AC pipe, 2-12" push on valves, 2- push on T's and fire hydrant was replaced.
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.

Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	318	482.83	Corrective Maintenance (CM)	49	179.15

## 4.0 FINANCIAL

### San Jacinto River Authority – Woodlands Operating Actual to Budget Comparison For the Six Months Ending March 31, 2024

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

	March		YTD			Annual Budget
	Actual	Budget	Actual	Budget	Variance	
<b>OPERATING REVENUES</b>	\$ 3,733,187	\$ 3,055,463	\$ 26,209,118	\$ 24,787,823	\$ 1,421,295	\$ 47,643,480
<b>OTHER REVENUES</b>	\$ 77,051	\$ 700	\$ 509,420	\$ 4,900	\$ 504,520	\$ 8,400
<b>OPERATING EXPENSES</b>						
Salaries, Wages, & Employee Benefits	\$ 836,809	\$ 968,393	\$ 4,333,366	\$ 4,893,539	\$ 560,173	\$ 8,560,304
Professional Fees	47,507	50,375	267,589	407,225	139,636	687,850
Purchased & Contracted Services	1,422,435	1,123,563	10,126,788	9,674,951	(451,837)	19,087,753
Supplies, Materials & Utilities	406,415	518,157	2,828,506	4,232,097	1,403,591	7,271,121
Rentals	567	1,442	3,558	10,092	6,534	17,300
Maintenance, Repairs & Parts	73,146	189,840	867,025	1,328,878	461,852	2,631,787
General & Administrative Expenses	88,860	103,609	483,054	536,739	53,685	927,262
<b>TOTAL OPERATING EXPENSES</b>	\$ 2,875,740	\$ 2,955,378	\$ 18,909,886	\$ 21,083,521	\$ 2,173,635	\$ 39,183,378
<b>NON-OPERATING EXPENSES</b>	\$ 37,682	\$ 37,682	\$ 264,195	\$ 264,195	\$ (0)	\$ 452,580
<b>TOTAL EXPENSES</b>	\$ 2,913,422	\$ 2,993,060	\$ 19,174,081	\$ 21,347,716	\$ 2,173,635	\$ 39,635,958
<b>NET REVENUES OVER EXPENSES</b>	\$ 896,816	\$ 63,103	\$ 7,544,457	\$ 3,445,007	\$ 4,099,450	\$ 8,015,922
<b>CAPITAL IMPROVEMENTS</b>	\$ 6,923	\$ 21,956	\$ 262,336	\$ 338,181	\$ 75,845	\$ 447,960
<b>OTHER SOURCES (USES)</b>						
Bond Principal	\$ (136,667)	\$ (136,667)	\$ (957,500)	\$ (957,500)	\$ -	\$ (1,649,167)
Lease Principal	(698)	(698)	(4,848)	(4,848)	-	(8,364)
Repair and Replacement Transfers	(450,000)	(450,000)	(3,250,000)	(3,250,000)	-	(10,318,500)
Operating Reserve Fund	-	-	(264,144)	(264,144)	-	(264,144)
<b>TOTAL OTHER SOURCES (USES)</b>	\$ (587,364)	\$ (587,364)	\$ (4,476,492)	\$ (4,476,492)	\$ -	\$ (7,567,963)
<b>NET CASH BASIS SOURCES (USES)</b>	\$ 302,528	\$ (546,217)	\$ 2,805,629	\$ (1,369,666)	\$ 4,175,295	\$ -



## 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	Final Design				Nov-24	Design is 60% complete. Site visits and coordination with entities and utilities ongoing.  Construction estimated to begin February 2025.
				Bonds \$2,025,600	Bonds \$0	Bonds \$0			
				R&R \$322,134	R&R \$1,097,175	R&R \$341,381			
				Construction				TBD	
				Bonds \$10,486,750	Bonds \$0	Bonds \$0			
WWTF No. 2 Tertiary Filter Renewal	7 67	R&R	Design	Final Design				May-24	Design - Consultant working on updates to drawings and specifications. Also, SJRA is working with consultant to add language to allow for TWDB funding.  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	\$480,977	Aug-24	Currently working on installation of generators and new control panels at several lift stations.	
WWTF No. 1 Master Plan (Strategic Plan)	All	2017 Bonds	Study	Study				Jan-24	Final report was received on January 15, 2024. The report was transmitted to the MUD Directors. Ability to progress to Phase 3 for design contingent on MUD approval.
				\$500,000	\$500,000	\$477,237			
Owner's Advisor for new WWTF No. 1 (Phase 1)	All	R&R/Bond	OA Services	Owner's Advisor Services				Jan-25	PSA and Work Order No. 1 approved at SJRA February 2024 board meeting. Kick-off occurred on February 28, 2024.
				\$550,000	\$559,096	\$0			
WWTF No. 2 Headworks Rehabilitation	7 67	R&R	Construction	Final Design				Mar-23	Construction underway. Lift station piping replacement work underway.
				\$244,000	\$375,982	\$259,451			
				Construction					
				\$1,456,000	\$1,785,000	\$425,145	Aug-24		
Lift Station No. 1 Gravity Main Bypass and Decommissioning	6	R&R	Design	Final Design				Feb-25	Final design work order approved at SJRA February 2024 Board Meeting. Kick-off meeting occurred on March 12, 2024.
				\$168,150	\$168,874	\$23,711			

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	<b>Route Study</b>				Aug-24	The Route Study work order was approved in October 2023 SJRA Board meeting. The study is approximately 50% complete.
				Bonds \$689,000	Bonds \$747,749	Bonds \$201,154			
				R&R \$41,000	R&R \$0	R&R \$0			
				<b>Construction</b>					
				\$0	\$0	\$0	TBD		
WWTF No. 2 Storage Building No. 2	7 67	Cash R&R	Construction	<b>Final Design</b>				Nov-23	Construction contract approved at SJRA February 2024 Board Meeting. The preconstruction meeting occurred on March 4, 2024.
				Cash \$19,980	Cash \$19,980	Cash \$19,980			
				R&R \$21,020	R&R \$11,136	R&R \$11,136			
				<b>Construction</b>					
				Cash \$10,685	Cash \$5,897	Cash \$5,897	Oct-24		
				R&R \$459,000	R&R \$497,409	R&R \$26,670			
Digital Water System	All	R&R	Design	<b>Design/Development</b>				Aug-24	Working on functionality of existing dashboards and planning for predictive analysis, financial model integration, and project planning.
				\$250,000	\$248,600	\$248,581			
		R&R	Design	<b>Final Design</b>					



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		(On-Hold)	\$754,000	\$802,866	\$643,007	Feb-24 (On-Hold)	Design is 97% complete. Metes and bounds for easements being finalized. Planning work for land acquisition underway. Design completion on hold. WWA approved transfer from excess funds to R&R being utilized to fund land acquisition.
				<b>Land Acquisition</b>				
				\$1,533,500	\$243,417	\$201,896	Aug-25	
				<b>Construction</b>				
				\$4,917,000	\$0	\$0	TBD	
AC Water Lines Condition Based Assessment	All	R&R	Study	<b>Study</b>				PSA and WO1 approved at SJRA March 2024 Board Meeting. Kick-off meeting scheduled for April 15, 2024.
				\$1,600,000	\$0	\$0	Jun-25	
Harper's Landing Water Line Loop Install	39	R&R	Construction	<b>Final Design</b>				Preconstruction meeting occurred January 29, 2024. Work started mid-February 2024.
				\$125,000	\$57,708	\$50,997	Sep-23	
				<b>Construction</b>				
				\$478,000	\$244,585	\$9,991	Jun-24	
Pressure Regulating Valve on Grogan's Mill	60	R&R	Construction	<b>Final Design</b>				Construction complete. Substantial completion inspection occurred on April 1, 2024.
				\$10,000	\$12,379	\$5,138	May-23	
				<b>Construction</b>				

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
				\$94,000	\$137,448	\$4,946	Apr-24	
Water Plant Nos. 1, 2 & 3 Generators	36 47	R&R	Procurement	<b>Final Design</b>				Design complete. Construction to advertise April 2024.
				\$201,000	\$165,199	\$148,986	Mar-24	
				<b>Construction</b>				
				\$2,209,000	\$821,443	\$256,641	TBD	
Water Well Nos. 5, 11 & 32 Rehabilitation	47 60 67	R&R	Construction	<b>Final Design</b>				Construction in progress. In-well work complete at all three wells. New mechanical equipment on order for all three wells.
				\$119,000	\$0	\$0	Mar-23	
				<b>Construction</b>				
				\$1,313,000	\$946,984	\$195,608	May-24	
Elevated Storage Tank No. 6	47	Cash R&R	Design	<b>Preliminary Design</b>				PSA and work order for preliminary design approved at SJRA December 2023 board meeting. Kick-off meeting occurred on January 22, 2024. Design approximately 15% complete.
				Cash \$0	Cash \$0	Cash \$0	Jul-24	
				R&R \$570,000	R&R \$612,047	R&R \$30,360		
				<b>Construction</b>				
				\$0	\$13,750	\$13,750	TBD	

Project	MUD(s)	Funding	Current Phase	Budget(s)	Contract Amount(s)	Invoiced to Date	Contractual Completion	Status
Water Well Nos. 22, 26 and 33 Rehabilitation and Water Well No. 2 Abandonment	36 39 46 67	R&R	Procurement	<b>Design</b>				Contractor selection occurred and construction contract approval on-track for April 2024 SJRA Board Meeting.
				\$114,000	\$0	\$0	Feb-24	
				<b>Construction</b>				
				\$1,250,000	\$0	\$0	TBD	
WWTF No. 2 Grit Classifier Replacement	7 67	R&R	Procurement	<b>Final Design</b>				Following approval of use of excess funds (\$1,185,000 for this project), SJRA will move forward with consultant selection and scope development.
				\$1,185,000	\$0	\$0	TBD	
WRF No. 1 Land Acquisition	6	R&R	Land Acquisition	<b>Land Acquisition</b>				Land acquisition activities underway for the new Water Reclamation Facility.
				\$1,670,000	\$1,226,278	\$10,163	N/A	

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.