

San Jacinto River Authority - GRP
Actual to Budget Comparison
FY2020 - FY2022

Description	PROPOSED			FY22 Budget Comments
	Actuals 8/31/2020	Budget FY2021	Budget FY2022	
OPERATING REVENUES				
General Industrial Water Revenue	\$ -	\$ 571,886	\$ 580,642	3MGD / Based on SJRA RW rate .495 CY21 +5%=.5198 / Assumes rate increase to .51 in Jan22 +5%=.5355
Industrial Reservation Fee	217,005	226,081	134,046	4MGD / Based on COH Rate increase 1.5% 4/1/2021 from .0899(includes 5%) to .09125 (Anticipate another 1.5% increase 4/2/22 from .09125 to .0926)??
GRP Pumping Fees	35,957,122	28,890,076	32,092,298	30.116 MGD@\$2.92
GRP Pumping Fees-Woodlands	9,161,419	10,469,550	11,285,762	10.589 MGD@\$2.92
LSGCD Revenue	513,923	899,508	-	Ended 2021
LSGCD Revenue-Woodlands	199,682	325,975	-	Ended 2021
GRP Surface Water Sales	5,439,093	7,291,714	7,618,273	6.233 MGD@\$3.34
GRP Surface Water Sales-Woodlands	7,307,984	6,504,750	7,027,205	5.764 MGD@\$3.34
Repair Recovery Revenue	1,280,000	-	-	Not budgeted
TOTAL OPERATING REVENUES	\$ 60,076,227	\$ 55,179,540	\$ 58,738,226	
OTHER REVENUES				
Interest Income	\$ 1,424,524	\$ 27,000	\$ -	No change for FY22: \$450 per month - 8% of depreciation of GRP1 (1250/15650 sq ft); GRP Building Annual Depreciation = \$46,713.51 +8% of utilities @ service location 1780 Dam Site annual estimate = \$20,555.16; rounded rent to \$450/month
Office Rental Revenue	17,688	5,400	5,400	
Proceeds From Sale Of Assets	4,000	-	-	
Other Gains & Losses	1,657	-	-	
TOTAL OTHER REVENUES	\$ 1,447,869	\$ 32,400	\$ 5,400	
OPERATING EXPENSES				
SALARIES, WAGES, & EMPLOYEE BENEFITS				
Salaries & Wages	\$ 1,766,155	\$ 1,654,307	\$ 1,728,011	
Salary & Wage Allocation	1,356,890	1,595,788	1,772,678	
Staffing Services	2,536	-	-	
Compensated Absences	(18,460)	-	-	
Group Insurance	587,466	787,864	757,963	
Group Retirement Expense	388,028	346,043	384,683	
Workers Compensation Insurance	56,841	56,266	62,854	
Social Security Taxes	237,061	242,539	262,527	
TOTAL SALARIES, WAGES, & EMPLOYEE BENEFITS	\$ 4,376,518	\$ 4,682,808	\$ 4,968,717	
PROFESSIONAL FEES				
Legal Fees	\$ 1,919,769	\$ 2,090,000	\$ 2,100,000	General&Easements 100K/Existing cases \$2M -Additional legal required in FY22 due to anticipated delays
Disclosure Filing	-	500	500	
Annual Financial Audit	29,625	30,000	30,000	
Arbitrage Rebate Audit	3,250	6,500	6,500	
Paying Agent Fees	2,500	6,000	6,000	
Engineering	34,903	100,000	200,000	Fault Monitoring \$10K/ TWE GIS Services \$15K/Chlorine Dioxide Study \$45K / Backwash Pond Engineering \$100K /\$30K-Other
Safety Inspections & Testing	1,054	5,000	2,000	Fire extinguishers, SCBA Inspections, Tier 2 Fees
Graphic Design	330	6,000	6,000	Website Updates and Other Updates to Educational Materials.
TOTAL PROFESSIONAL FEES	\$ 1,991,431	\$ 2,244,000	\$ 2,351,000	
PURCHASED & CONTRACTED SERVICES				
Waste Disposal Services	\$ 4,581	\$ 3,000	\$ 3,700	Waste Mgt \$116/mnth=\$1.4K/ Heavy Duty Dumpster Emptied Every 3 months @\$500=\$2K/+.3K Misc.
Sludge Disposal	100,937	121,157	135,000	300 Loads @ \$450each=\$135.5K. Avg 12 tons per load@\$12.50/ton/\$300 per load.
Meter Calibration Services	3,278	6,500	3,800	Calibrations of Sewer Sanitary flow Meter budgeted by SCADA-\$2.5K / High Service Calibration \$1.3K

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Commercial Laboratory Fees	7,240	27,100	21,600		19 Bac-Ts per month @\$27 each=\$6.1K / DSHS \$1.5K / Eurofins \$1.5K / Eastex \$10K / City of Conroe full priority Pollutant Scan (every 5 years-done in FY17) \$2.5K
Other Services	5,610	5,100	5,500		811 locates-\$5.5K
Groundwater District & Permit Fees	1,231,341	1,225,983	500		TCEQ Permit Fee \$.5K
Employee Testing	382	4,800	3,700		Employees skills assessments unrelated to recruiting. Random Safety Sensitive Drug Testing. Reasonable Susp. Drug Testing, DOT/CDL program and Testing, Annual Respiratory Testing, PFTs and Medical Clearances, Annual Audiometric Hearing Exams
Janitorial Services	26,525	38,400	54,000		\$4.5K/month *12=\$54K
Water Quality Testing	9,436	-	-		Not budgeted
Public Relations Expense	-	1,500	1,500		Chamber or other Community Events; Educational/Promotional Items Specific to the Division's Mission and Function
Water Conservation & Public Education	-	4,000	29,000		Shared school program and Community Events
Meeting Expenses	2,490	6,000	5,400		Review Committee \$200x12=\$2.4K/ Other external meetings - 12@\$250/mnth=\$3K
Public Official Liability	4,603	5,000	7,000		Increase in Premium expected
TOTAL PURCHASED & CONTRACTED SERVICES	\$ 1,396,423	\$ 1,448,540	\$ 270,700		
SUPPLIES, MATERIALS & UTILITIES					
Office Supplies & Printing	\$ 1,463	\$ 5,000	\$ 14,000		Paper, first aid supplies, paper goods, general office supplies, etc. \$13K .Printing of Educational Materials (Fact Sheets, FAQ, Divisional Brochures).
Other Office Expense	10,742	7,000	-		Activity moved to Office Supplies
Travel	807	3,000	3,500		GRP staff (10)x2nights@\$150/night=\$3K(Texas Water, TWCA) / Truepoint Conference \$.5K
Automobile & Truck Expense	3,894	20,000	22,500		Repairs, service on SJRA vehicles. UTV/ATV Tires & maintenance-\$2.5K (moved from 96030)
Storm Preparedness & Response	-	-	1,000		Preparations for Emergencies
Postage	2,162	2,500	3,800		Postage for usual mailouts & misc. shipping - \$3K admin/ \$.8K Compliance mailings
Property Insurance	202,043	414,000	496,800		Estimating 20% increase for plan year 21-22 with no MCP Discount (estimating 10% for contr subs non buildings) + includes \$190,000 Transmission Line insurance
Auto Insurance	14,879	15,300	16,830		Estimating 10% increase for plan year 21-22 with no MCP Discount (estimating 10% for contr subs non buildings)
Liability Insurance	16,668	27,900	30,690		Estimating 10% increase for plan year 21-22 with no MCP Discount (estimating 10% for contr subs non buildings)
Small Tools Purchases	6,174	12,500	15,500		Typical purchases include wrenches, sockets, caulk, grease guns, tools for new hires-\$10K/ Small VFD & Motor Lift -\$3K/+2.5K for Ops Needs
Training-External	7,503	12,000	9,800		(22#) @\$.4K ea = \$8.8K-Maintain licenses & conferences / Truepoint Training for Customer Service \$1K
Training-Internal	-	5,000	5,000		Training held onsite for staff
Training-Employee HR	2,167	2,500	2,400		Learning Management system, Division requested on-site training for employee and supervisors.
Copper Sulfate	10,367	18,561	20,000		41,000 gals @.46 rounded up from 18,860 - 12MGD Avg
Citric Acid	60,533	59,203	70,000		118,406 Lbs (increase from .50/lb to .59/lb) 12MGD Avg
Granulated Activated Carbon	1,853,432	2,600,000	2,500,000		4 @ \$619,721 (.20%increase) rounded to \$2.5Million -12MGD Avg 1,452,100 Lbs Expac1 (increase from .265 to .295) + 609,354 Lbs CC1757 (increase from .205 to .23) 12MGD Avg
Aluminum Chlorohydrate	344,383	509,724	568,500		141,851 Lbs (increase from .705 to .754) 12 MGD Avg
Sodium Permanganate	57,950	100,005	106,955		142,000 Lbs (increase from .0959 to .1055) 12 MGD
Sodium Bisulfate	15,114	9,840	15,000		1,760,000 Lbs (Increase from .0724 to .0796) 12 MGD
Sodium Hydroxide	139,432	158,407	140,000		2,250,000 Lbs (increase from .073 to .0803) 12 MGD
Sodium Hypochlorite	156,332	168,808	180,000		23,300 Lbs (increase from 1.51 to 1.65) 12 MGD Avg
Polymer	18,724	33,245	38,500		~\$75/person @26 employees=\$2K
Managers Expense	806	2,000	2,000		

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Employee Relations	1,233	3,000	5,000		Coffee talk \$166x12=\$2K / Holiday meals=\$2K/ Internal meetings=\$1K
Fuel	32,524	50,400	76,000		Fuel deliveries/additives of \$2.5K per month=\$30K. Usage reviewed at \$3.00/gallon for unleaded fuel. Diesel for generators \$15K(at \$3.00 gal) Oil for Machinery, Valve Exerciser, Lubricants, Oil changes Pumps, etc.-\$12K/Asco Oil changes on heavy equipment-\$4.2K/Rogue-Oil Disposal-\$1K/Fuel Test-Generators-\$2.1k/7.2K algae treatment/Oil Analysis-\$1.5K-Other-\$3K
Uniform Services	1,461	13,800	16,400		22 X \$295 Cold weather gear = \$6.5K / Employee Uniforms & Pants = 22 x\$300=\$6.6K / 22 x\$150=\$3.3K Work boots
Maintenance Supplies	6,367	14,500	8,000		Welding supplies-\$2.3K/Signage-\$2K/Other \$3.7K-Couplings, Flex seal, flex tape, PVC supplies (fittings-Pipes, etc), Bushings, belts, Misc small parts.
Supplies - Lab	26,885	13,200	13,200		Culligan CI-DI-RO rental \$2K/+\$11.2K other
Operations Supplies	19,044	24,500	24,500		Conroe Welding-Helium,UZA,Cylinder Rental-\$3.5K / 10qty new fire hoses \$1.5K/ Other \$3.5K-TOC machine grease, Lab gloves, 50lb cleaning powder, Backflow calibrations, etc./ Restocking of Nuts, bolts, washers,screws, etc.-\$2.5K/Other \$2.5K -Shop towels, brake cleaner/degreaser, saw blades, hose fittings, Oil dry compound, etc. /Stainless steel tubing and fittings, electrical fittings, flex conduit, conduit, relays, timers, terminal locks, panduit, enclosures, wire, tape, Brady labels, pushbuttons, switches, LED lamps, fuses, piping, mountings, solder, disinfection supplies
Memberships & Professional Dues	782	1,500	1,000		Misc Memberships
Signage	357	-	-		Moved to maintenance Supplies
Copier, Scanner & Fax	5,358	7,300	5,300		Ops Copier Maintenance \$4K/Membrane copier-.8K/ Misc \$.5K
Utilities-Electric	850,541	941,900	942,000		\$942K at 12MGD (1.1M at 14MGD)
Utilities-Sewer	219,387	155,000	219,000		\$17K/Mth avg +\$15K/yr in surcharges
Lab Contracts-Support/Maintenance	-	12,300	10,000		Shimadzu-\$4.3K, Hach \$2.5K, Parker Hann \$5.5K/Yr(contract begins Feb22-Prorate service period to \$3.2K)-
Reservation Fees-City of Houston	2,634,906	2,373,874	2,828,789		50% of COH's 2/3 share of Lake Conroe Costs
Reservation Fees-SJRA	467,619	452,841	328,217		CY21 rate .12375/CY22 rate .1275 (24800AF Available less budgeted use =8000AF
Supply Use Fee-SJRA	1,978,565	2,148,268	2,767,980		CY21 rate .495/CY22 rate .51 (3361AF Entergy and 13439 AF GRP use)
Bank Service Charges	(99)	-	-		
Personal Protective Equipment	3,345	4,000	700		\$.7K replacement rain gear as needed, rubber boots, gloves, work gloves, goggles, safety glasses
Safety Equipment & Meetings	6,164	10,000	2,000		First Aid, CPR, AED equipment/Fire Ext. Training/Safety Training, Fire Protection Equipment (where applicable)
Health & Wellness Program	-	980	950		FTE Allocated Rounded..Intended for supplies used for Health and Wellness initiatives such a cost for flu shots that is not covered by employee insurance and related vendor fees, materials for health fairs, etc.
Recruiting Expenses	6,117	7,850	10,500		Assuming 10% turnover. Allocated to cost centers.
Computer Hardware	101,626	48,273	95,605		IT cc 44.1K / SCADA cc =\$51.5K consisting of Monitor replacement \$1K / 5 workstations @ \$2.5K ea=\$12.5K/ Pall PC Software (Multiple Softwares) upgrade \$38K
Software & Support	89,428	93,649	102,527		35% G&A server OS (\$1K)=\$.35K / G&A server backup 35% (\$25K)=\$8.75K
Software Maintenance	35,313	80,800	56,250		Wonderware: operating \$35K / SmartNET \$5K / Consulting \$5K / WIN911 \$.6K /Dragos cyber security (\$6.75K) /G&A's Dragos (\$6.75K 50%) /VCN \$.525K
Physical Security	-	-	45,750		
Network Communications	4,832	5,624	5,122		
Publications & Subscriptions	316	500	500		Usage expected to remain minimal
Newspaper Ads	244	1,000	1,000		Code required due to Senate Bill 622-Left in for Legal notices
Wireless Devices & Services	25,502	31,540	30,320		
Landline Telephone Services	6,555	5,168	4,707		

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TOTAL SUPPLIES, MATERIALS & UTILITIES	\$ 9,449,946	\$ 10,688,259	\$ 11,864,092	
RENTALS				
Equipment Rentals	\$ 1,383	\$ 1,500	\$ 1,500	Rental Equipment needs minimal
TOTAL RENTALS	\$ 1,383	\$ 1,500	\$ 1,500	
MAINTENANCE, REPAIRS & PARTS				
Office, Furniture, & Fixtures	\$ 2,284	\$ 2,000	\$ 2,000	Cummins Allison- 1 Yr maint \$\$.5K/ Office furniture (Chairs) \$1.5K
Air Conditioner	71,915	72,000	179,600	HTS contract \$49.6K year/Qtrly Installments - Replacements, necessary repairs, etc. \$30K/ Change out AC units \$100K
Mowing	37,356	30,000	75,000	FY21 Contract for Plant Mowing \$60K / Fence Repairs \$15K
Buildings & Grounds Maintenance	43,489	50,000	102,900	Pest Control -\$13.3K / Impact-Sprinklers, Backflow, NOVEC-\$2.4K / Floor mats-.8K/Freeze blankets for outside pipes \$7K / finish Membrane Floor Coating \$13K / Improve drainage at "Mound #1"-clear and install rip rap and repair fence \$15K/ Drainage improvements to Admin & Maintenance Bldg \$15K / Drainage at fence line \$15K /Other-\$21.4K-Typical charges include routine maintenance items for Ops Building & Bldg 12 such as faucet repairs, flush valves, parking lot/access road items, entrance gate, locksmith, etc.
Building Repair & Modifications	394	5,000	10,000	Minor Repairs as required
Plants & Facilities	21,319	18,600	60,400	Crane Maintenance \$2.4K / GST Inspections & 2Hydrotank Inspections done in FY20 (every 5 years)/ Replace sensor conduit in RW distilling wells \$40K / +other 18K (Backflow preventers, PVC Pipe & Fittings, Copper lines, etc.)
Security System Monitoring	2,503	2,400	7,680	Pipe & Fittings, Copper lines, etc.) Security system monitoring, Inspections \$1.5K / \$.5K for alarm service calls / Wilson-Annual Fire Alarm Inspection-\$3.7K + 3yr Audibility Testing of Audio Devices -\$1.5K + monthly fire alarm monitoring \$.48K
Electrical	265,243	194,000	100,500	HSPS MV VFD Inspection done FY20-21 (every 5 years) / Crawford Switchgear \$1.8K / Outdoor lighting upgrades - \$7.5K /Absolute Testing HSPS 40Kva UPS -\$3.5K / \$87.7K Misc. Electrical, Starters, Relays, MCC parts, Conduit and wire. Ops UPS contract included in IT budget
Generators	21,643	38,000	38,000	Insp-Srv-Load Test-2 Main Plant Generators \$16.8K / HSPS&Portable \$3.0K / 5 RF Generators \$5.7K / other repairs/maintenance not covered by agreements \$12.5K
Pumps & Motors	28,517	77,000	81,200	Sludge pumps (Thickener) \$10K/ new Omega couplings for HSPS \$11.2K / Other \$60K (Typical expenditures are replacement pumps, spare parts, and repair/rebuild kits. Wear & tear starting to show and items are out of warranty.)
Compressor	10,864	6,300	6,500	Repairs & Maintenance- \$6.5K
Aerators	152,616	6,400	6,400	Filters \$6.4K
Machinery, Tools, & Implements	5,570	17,500	15,000	Service/Repairs to Bobcat & equipment \$4.2K +Trailers, & Equipment other \$10.8K (UTV/ATV tires & Maintenance moved to 94008)
Belt Press	615	18,300	15,500	Belts \$5K / Scrapers & plow replacement \$3.5K / Replace lubers \$7K
Clarifier	194	10,000	8,000	Miscellaneous repairs
Pipeline Transmission System	199,446	305,500	405,200	1 major incident @ \$200K/Standpipe Inspection done in FY20(every 5 years) / Easement mowing \$40K / Cathodic \$30K / Valve Exercising \$75K /Install 6 new Trane minisplits to replace BARD units @\$6.7ea=\$40.2K / Other 20K
Lines, Valves, & Pipes	20,542	155,000	75,000	\$75K Repairs for equipment
Laboratory Equipment	915	3,500	3,500	Typical Expenditures are Parts for THM Analyzer, Hydrometers for Specific Gravity

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					Additional winterization on hydro tanks & HSPS \$2.5K /Hach reagents and parts \$25K / UPS battery replacements \$6K / Emergency instrumentation repairs, improvements and additions [radars 3ea@\$2.5k, flow meters 2ea@\$6K, Cl2 Analyzer 2ea@\$4.5K, ORP \$1.5K, Turbidity \$10K]= \$40K / Actuators and parts \$20K / Chemical feed system pumps and parts \$20K / Spare flowmeters 5ea@ \$6Kea=\$30K / Spare actuators 2ea @ \$12.5K ea (235K in SCADA items reclassified to Capital items)
Instrumentation Equipment & Parts	65,844	88,600	168,500		
Pretreatment	1,907	18,000	6,000		Add handrails and gates for access \$.75K x8=\$6K
Membrane	8,584	20,600	20,000		Valve replacements-\$20K
Networking and Communications - SCADA	4,073	5,600	4,800		Replacement network switch \$4K / Prosoft Gateway \$.8K
Backwash Equalization	3,687	-	500,000		Backwash Pond Foundations
Chemical Handling	15,633	21,500	12,000		Pipe repairs & modifications \$12K
A/C Contracts-Support/Maintenance	-	10,800	9,500		Climattech/Travis Bros replaced by TEAM Solutions \$ 9.5K (1yr) FY22 Renewal Reynolds VFD \$92K + Parts Mgt \$12.1K (year 4 of 5)
Electrical Contracts-Support/Maintenance	-	103,100	104,100		Renewal for FY22 =\$19.6K
Compressor Contracts-Support/Maintenance	-	10,700	19,600		APGN/Neuros Contract Jan 1-Dec31,2022 expensed at \$11k/month (132K yearly) Assumes renewal
Aerator Contracts-Support/Maintenance	-	132,000	132,000		Pall Tech Support Membranes 11/1/20-10/31/21 expensed at \$617/month (\$7.4K yearly)-Assumes renewal
Membrane Contracts-Support/Maintenance	-	7,400	7,400		
Inventory Gains and Losses	(6,891)	-	-		
TOTAL MAINTENANCE, REPAIRS & 	\$ 978,259	\$ 1,429,800	\$ 2,176,280		
GENERAL & ADMINISTRATIVE EXPENSES					
General & Administrative Expense Allocate	\$ 351,868	\$ 526,394	\$ 523,482		
Bad Debt Expense	186,820	-	-		
TOTAL GENERAL & ADMINISTRATI	\$ 538,688	\$ 526,394	\$ 523,482		
NON-OPERATING EXPENSES					
Interest Expense	\$ 20,175,084	\$ 19,753,631	\$ 19,285,502		
TOTAL NON-OPERATING EXPENSES	\$ 20,175,084	\$ 19,753,631	\$ 19,285,502		
TOTAL EXPENSES	\$ 38,907,731	\$ 40,774,932	\$ 41,441,273		
NET REVENUES OVER EXPENSES	\$ 22,616,364	\$ 14,437,008	\$ 17,302,354		
CAPITAL IMPROVEMENTS*					
Water Treatment Plant & Facilities		\$ -	\$ 269,000		Canopy to cover pretreatment basins -\$70K / Pretreatment pump enclosures \$20K / [SCADA Adds \$179K Consisting of- Chem flow meters (Chem bldg) 3ea@\$5k=\$15K / Membrane turbidometers (membrane bldg) 10ea@\$8K=\$80K / GAC turbidometers (GAC Bldg) 9ea@\$5K=\$45K / Peristaltic Chemical Feed pumps (Chemical Bldg) 6@\$6.5K=\$39K]
Land		-	-		
Transmission Line & Facilities		-	156,000		Sound Wall WRF WP1 \$100K (40K Acoustic Engineering+\$60K Soundwall) / Chlorine analyzers (SCADA-RF's) 14ea @ \$4k=\$56K
Maintenance Equipment	7,102	40,000	8,000		Locate equipment for field use \$8K
Transportation Equipment		65,000	53,500		3/4 ton Utility truck for Maintenance-\$45k / UTV for Plant Use - \$8.5K
Software	222	1,086	994		
Computer Equipment	42,393	129,991	49,474		
TOTAL CAPITAL IMPROVEMENTS	\$ 49,717	\$ 236,077	\$ 536,969		
OTHER SOURCES (USES)*					
Bond Principal	\$ (14,361,667)	\$ (14,800,833)	\$ (15,333,333)		
Emergency Reserve			(350,000)		
Repair & Replacement Fund (Membranes)			(600,000)		
Prepaid Reservation Fee	472,943				

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Bond Funding of Capital items				
Debt Service Reserve Funds		2,967,733	-	
Accounts Receivable-Uncollected	(2,701,805)	(1,823,177)	-	
TOTAL OTHER SOURCES (USES)	\$ (16,590,529)	\$ (13,656,278)	\$ (16,283,333)	
NET CASH BASIS SOURCES (USES)	\$ 5,976,118	\$ 544,653	\$ 482,052	