

## **GRP Project Summary**

San Jacinto River Authority - GRP Division 2018 - 2027 Projects

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PAGE NO.	PROJECT ID	PROJECT NAME	PREVIOUS BUDGET	2018 ESTIMATE	2019 ESTIMATE	2020 ESTIMATE	2021 ESTIMATE	2022 ESTIMATE	2023 ESTIMATE	2024 ESTIMATE	2025 ESTIMATE	2026 ESTIMATE	2027 ESTIMATE	10-Year Project Total
1	GT1603	Transmission Line Extensions/Flow Control Valve Replacements	\$	\$ 307,000	\$ 838,000	\$ 7,449,000	\$ 356,000	\$ 971,000	\$ 8,624,000	\$ 412,000	\$ 1,123,000	\$ 9,983,000	\$-	\$ 30,063,000
2	GT1604	Alternative Water Supply Projects	\$	\$ -	\$ 14,000	\$ 30,000	\$ 348,000	\$ 17,000	\$ 35,000	\$ 403,000	\$ 19,000	\$ 40,000	\$ 466,000	\$ 1,372,000
3	GW1801	Surface Treatement PlantRe-Rating Study	\$	\$ 225,310	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$ 225,310
4	GW1704	Security Systems Improvements to SWTP Main Gate	\$	\$ 180,000	\$-		\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$ 180,000
5	GW1705	Water Receiving Facilities-Orientation of Flow Control Valves	\$	\$ 240,000	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$ 240,000
6	GW1802	GAC Fines	\$ 75,000	\$ 150,000	\$ 1,650,000	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$ 1,800,000
			\$ 75,000	\$ 1,102,310	\$ 2,502,000	\$ 7,479,000	\$ 704,000	\$ 988,000	\$ 8,659,000	\$ 815,000	\$ 1,142,000	\$ 10,023,000	\$ 466,000	\$ 33,880,310
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PROJECT NAME:					PROJ	ECT ID	FISCA	L YEAR		DIVI	SION	
Name: Transmission Li	ine Extension	s/Flow Cont	rol Valve Rep	olacements	GT1	1603	2018	- 2026		G	RP	
								PROJ	ECT MAP/PIC	TURE		
Individual surface water f serve a larger service are guidelines established by service water extension to up front. If the design l construction cost. CPS, CN Allowances are provided f at this time; enlargement o There are no other specific	ea can occur the GRP Revie the GRP Revie the new deve leads to a cor A&I, CMT and la or general bud of the flow cont	hroughout the ew Committee, lopment or exi astruction proj and acquisition geted purposes trol valve servic	CIP Planning a developer, sting developm ect, the devel estimates are s. There is one cing Mid-South	period. Howev or Participant, nent, and pay f loper then pay all specific proj- specifically ide expected to oc	ver, under the can request a for engineering ys 50% of the ect dependent. entified project	Ra ML	yford Road JD - VVP2 ayford Road UD - VVP1	Ac	gomery Coun 99 Mon MUD qua Texas, Inc agends Ranch ers Water Co Forest)	Legend Existin Conce	g Transmission Lin ptual Transmission tw Quadvest (Creekside (Creekside	Line Extension
PROJECT SCHEDULE				DELIVERY	FUNDING	111	ALC PLA	TREAL	opining one	en cuiny Dist	A Person	16 8
Initiate Cons. Selection	:	As Ne	eded	DBB	<b>√</b> 0&M	ANHARAN		391				2. 80 80
PSA/WO Issued:		As Ne	eeded	CMAR	✓ Bonds	、同志公、	The second	Age 1		APON	Montgomery	
Final Proposal Docs:		As Ne	eeded	CSP	R&R	a llow		N.E.	A The	And and	MUD 11	9
Proposals/Bids Receive	ed:	As Ne	eded	Other	✓ Other	Hap	12 14	R. Stora		SPJ AR		
Constr. Contract to Boa	ard:	As Ne	eded		0	Toll	92	- 1-m			公、同学	
Substantial Completion	ı:	As Ne	eeded	Capitalized	✓ Expensed	E AHGA	- Contraction	Me A	AFAX	1997, 2	Charles 14	- 12 X 3
BUDGET*	TOTAL	PREVIOUS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER	\$ 1,075,000		\$ 307,000			\$ 356,000			\$ 412,000			
Engineering/Design	\$ 2,256,000			\$ 645,000			\$ 747,000			\$ 864,000		
Construction	\$23,687,000				\$ 6,772,000			\$ 7,840,000			\$ 9,075,000	
CPS, CM&I, and CMT	\$ 2,369,000				\$ 677,000			\$ 784,000			\$ 908,000	
Land Acquisition	\$ 676,000			\$ 193,000			\$ 224,000			\$ 259,000		
Equipment Purchase	\$-											
Total	\$30,063,000	Ş -	\$ 307,000	\$ 838,000	\$ 7,449,000	\$ 356,000	\$ 971,000	\$ 8,624,000	\$ 412,000	\$ 1,123,000	\$ 9,983,000	<b>ب</b> ۹

	JECT NAME:						FISCA	L YEAR		DIVISION				
Name : Alternative V	Vater Supply P	Projects			GT1	.604	2019	- 2027		G	iRP			
						PROJECT MAP/PICTURE								
Individual alternative wa reuse, can occur througho this time. However, the ( included in the GRP's po project dependent. Allow	out the CIP planr GRP Division will rtfolio. CPS, CN	ning period. Th continually res 1&I, CMT, and	nere are no sp search additio land acquisit	pecifically identif anal water supplicions estimates	ied projects at ies that can be									
								<b>***</b>						
PROJECT SCHEDULE				DELIVERY	FUNDING									
PROJECT SCHEDULE Initiate Cons. Selectior	1:	TB	3D	DELIVERY	FUNDING ☑0&M									
	n:	TB												
Initiate Cons. Selectior	ר:		BD	DBB	⊡0&M									
Initiate Cons. Selection PSA/WO Issued:		ТВ	SD SD	DBB	✓ O&M ✓ Bonds									
Initiate Cons. Selection PSA/WO Issued: Final Proposal Docs:	ed:	TB TB	BD BD BD	DBB CMAR CSP	✓ O&M ✓ Bonds □ R&R									
Initiate Cons. Selection PSA/WO Issued: Final Proposal Docs: Proposals/Bids Receive Constr. Contract to Bo	ed: ard:	TB TB TB	BD BD BD BD	DBB CMAR CSP	✓ O&M ✓ Bonds □ R&R									
Initiate Cons. Selectior PSA/WO Issued: Final Proposal Docs: Proposals/Bids Receive	ed: ard: n:	TB TB TB TB TB	3 D 3 D 3 D 3 D 3 D	DBB CMAR CSP Other	<ul> <li>✓ O&amp;M</li> <li>✓ Bonds</li> <li>□ R&amp;R</li> <li>□ Other</li> <li>✓ Expensed</li> </ul>	2021	2022	2023	2024	2025	2026	2027		
Initiate Cons. Selection PSA/WO Issued: Final Proposal Docs: Proposals/Bids Receive Constr. Contract to Bo Substantial Completio	ed: ard:	TB TB TB TB	BD BD BD BD	DBB CMAR CSP Other	✓ O&M ✓ Bonds □ R&R □ Other	<b>2021</b> \$ 316,000 \$ 32,000	<b>2022</b> \$ 17,000	2023 \$ 35,000	\$ 366,000         \$ 37,000	<b>2025</b> \$ 19,000	2026           \$ 40,000	2027           \$ 424,000           \$ 424,000		

PROJECT NAME:	PROJECT ID		FISCAL YEAR	DIVISION				
Name : Surface Water Treament Plant Re-Rating Study	GW1	801	2018	GRP				
		PROJECT MAP/PICTURE						

The existing surface water plant capacity is based on allowable TCEQ-approved p In actual practice, installed processes may be able to perform better. This stud initial optimization plan and protocol for sumission and approval to TCEQ. Ind would be tested at full-scale at the higher flowrates for 30 to 60 days. A final t prepared for review and approval by TCEQ. The report would include est construction cost to achieve optimization and estimates of operational costs facilities. Construction costs would be included in a future CIP budget. The st higher plant capacity with a minimal amount of construction improvements evaluated include: Chlorine Dioxide System, GAC biofiltration, Backwash clarifier Thickener piping modifications, and Process Recovery Basin piping modidfication.

July, 2017

August, 2017

NA

NA

NA NA

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2018

\$ 225,310

225,310 \$

PREVIOUS

TOTAL

\$ 225,310

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225,310 \$

pproved perfor This study wou CEQ. Individua . A final test re clude estimate onal costs for et. The study of rovements. Pr sh clarifier, sluc idfication.	uld develop an I process units port would be s of probable the optimized could allow for rocesses to be							
DELIVERY	FUNDING							
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	R&R	Tellip 1	Manual Contraction		Ann -	AF LEV	18 AL	See 1
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Capitalized	✓ Expensed		the state	the Physics				A CAR
2019	2020	2021	2022	2023	2024	2025	2026	2027
\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-

*Budget includes	contingency.
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PROJECT SCHEDULE

Final Proposal Docs:

Initiate Cons. Selection: PSA/WO Issued:

Proposals/Bids Received:

Constr. Contract to Board:

Substantial Completion:

Planning/Permitting/PER Engineering/Design

**BUDGET\*** 

Construction CPS, CM&I, and CMT Land Acquisition **Equipment Purchase** 

Total

PROJECT SCHEDULE PROJEC	PROJECT NAME:		PROJI	ECT ID	FISCA	L YEAR		DIVI	SION	
The main gate to the GRP Surface Water Treatment Plant (SWTP) is a single gate, that allows ingress       and any single faith is single gate, that allows ingress         allowing a vehicle to enter unchecked. The SMTP is a secure facility where access should be restricted. Modifications to the gate would provide for a seperate entrance and exit gate that would reveloped and exit gate that would revelo	Name : Security System Improvements to SWTP Main Gate		GW:	1704	20	18		G	RP	
and egress to the facility. Staff has observed many occasions where an exiting velicle opens the gate allowing a velicle for entruincheded. The SUMP is a secure facility where access should be restricted. Modifications to the gate would provide for a separate entrance and exit gate that would require vehicles entering the secure area to check in at the office before entry.						PROJ	ECT MAP/PIC	TURE		
Initiate Cons. Selection: NA □DBB □O&M PSA/WO Issued: NA □CMAR ②Bonds Final Proposal Docs: TBD □CSP □R&R Proposals/Bids Received: TBD □Cother Constr. Contract to Board: TBD □C □Capitalized □Cther Substantial Completion: TBD □C □Capitalized □Expensed □CCAP BUDGET* TOTAL PREVIOUS 2018 2019 2020 2021 2022 2023 2024 2025 2026 2027 Planning/Permitting/PER \$ 15,000 Engineering/Design \$ 15,000 Construction \$ 150,000 CPS, CM&I, and CMT Land Acquisition □C	and egress to the facility. Staff has observed many occasions where an e allowing a vehicle to enter unchecked. The SWTP is a secure facili restricted. Modifications to the gate would provide for a seperate entra require vehicles entering the secure area to check in at the office before	exiting vehicle of ity where acce ance and exit ga entry.	opens the gate ess should be ate that would							
PSA/WO Issued:       NA       Image: CMAR       Image: CSP		DELIVERY								- Contraction
Final Proposal Docs:       TBD       TBD       CSP       R&R         Proposals/Bids Receivel:       TBD       Other       Other       Other       Other         Substantial Completion:       TOTAL       PREVIOUS       2018       2019       2020       2021       2022       2023       2024       2025       2026       2027         Bundger*       TOTAL       PREVIOUS       2018       2019       2020       2021       2022       2023       2024       2025       2026       2027         Planning/Permitting/PER       \$ 15,000       \$ 15,000       \$ 15,000       \$ 15,000       \$ 150,000										
Proposals/Bids Receive:TBDImage: Constr. Contract to Book of the constr. Contract to Book of the constr. Contract to Book of the construction Construction Substantial Completion:TBDImage: Construction						No. of Concession, Name				
TBD       Image: Substantial Completion:       TBD       Image: Substantial Completion:       TOTAL       PREVIOUS       2018       2020       2021       2022       2023       2024       2026       2027         BUDGET*       TOTAL       PREVIOUS       2018       2019       2020       2021       2022       2023       2024       2025       2026       2027         Planning/Permitting/PER       \$ 15,000				115 1 1	CITY OF THE OWNER		The second se			
Substantial Completion:TOTALPREVIOUS201820192020202220232024202520262027BUDGET*TOTALPREVIOUS2018201920202021202220232024202520262027Planning/Permitting/PER Engineering/Design CONStruction CPS, CM&I, and CMT Land Acquisition\$ 15,000 \$ 150,000\$ 150,000 \$ 150,000\$ 150,000 \$ 150,000\$ 150,000 \$ 150,000\$ 150,000 \$ 150,000Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6">Colspan="6"Co		Other	Other	A Martin	Constanting of the	-	and south a lit	a store or		
BUDGET*         TOTAL         PREVIOUS         2018         2019         2020         2021         2023         2024         2025         2026         2027           Planning/Permitting/PER         \$ 15,000         \$				A Castle	No.	Can Dank	and the second	Commences of		Manufacture 1
Planning/Permitting/PER \$ 15,000 Engineering/Design \$ 15,000 Construction \$ 150,000 CPS, CM&I, and CMT Land Acquisition Land Acquisition	:				and the second s			C. Send Law	-	State -
Engineering/Design       \$ 15,000       \$ 15,000         Construction       \$ 150,000       \$ 150,000         CPS, CM&I, and CMT       Image: Construction in the second		2019	2020	2021	2022	2023	2024	2025	2026	2027
Total \$ 180,000 \$ - \$ 180,000 \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Engineering/Design         \$ 15,000         \$ 15,000           Construction         \$ 150,000         \$ 150,000           CPS, CM&I, and CMT         \$ 150,000         \$ 150,000           Land Acquisition         \$ 150,000         \$ 150,000									

PROJECT NAME:				PROJ	ECT ID	FISCA	L YEAR		DIVI	SION	
Name : Water Receiving Facilitie	s-Orientation of	Flow Contr	rol Valves	GW	1705	20	)18		G	RP	
				9			PROJ	ECT MAP/PIC	CTURE		
The flow control vales at the Water						1	-	-	and a star	The street	2,0
This orientation makes it more likely t						A					
prematurely and to be able to close of		ating the valv	ves to the verti	cal orientation	Allenter Che	, F	The			and the second	E
will improve the performance of the va	aives.					5	111	2	1		
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PROJECT SCHEDULE			DELIVERY	FUNDING							
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PSA/WO Issued:	TBE		CMAR	Bonds	STREET, TO						
Final Proposal Docs:	TBE		CSP	R&R							
Proposals/Bids Received:	TBE		Other	Other							
Constr. Contract to Board:	TBE							States Land	-		A A
Substantial Completion:	TBD		Capitalized	Expensed		-					
BUDGET* TOTAL		2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER											
Engineering/Design\$ 20,00Construction\$ 200,00											
CPS, CM&I, and CMT \$ 20,00											
Land Acquisition		-,									
Equipment Purchase											
Total \$ 240,00	0 \$ - 5	\$ 240,000	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-	\$-

PROJECT NAME:		PROJ	ECT ID	FISCA	L YEAR		DIVI	SION	
Name : GAC Fines		GW	1802	2018	-2019		G	RP	
					PROJ	ECT MAP/PIC	CTURE		
The process of changing out granular activated or material into the existing basin. The result of this basin produces a large volume of very fine materia dollars per year to remove these fines from our sys to backwash fines on site and treat over time. In GAC contactors during normal operations produces treatment, which reduces solids loading in other pa	s process, coupled with settling al. We currently spend approxin tem. Constructing new basins w addition, the normal process o is fines which could be sent to th arts of the plant.	the GAC into the nately one millior vill allow operators f backwashing the ese new basins for							
PROJECT SCHEDULE	DELIVER		11 123				A Start		285
	July, 2017	⊡O&M				Ve J	10 //	2日东门	- ME
	ugust, 2017	✓ Bonds			11 181	BAC)	1/1/	APP A	
	July, 2018	R&R	See 14		1111/	Day!	1/1		and and
-	ugust, 2018	Other	A STAND	1 3 10		and the	1 AM		「大学
	tember, 2018	0		-	- A			September 1	and the
-	ugust, 2019 Capitalized			400	Are			the state of the	and the second
BUDGET* TOTAL PREVIO		2020	2021	2022	2023	2024	2025	2026	2027
Engineering/Design\$ 150,000Construction\$ 1,500,000CPS, CM&I, and CMT\$ 150,000Land AcquisitionEquipment Purchase	,000 \$ 150,000 \$ 1,500,0 \$ 150,0	00							
Total \$ 1,875,000 \$ 75	,000 \$ 150,000 \$ 1,650,0								