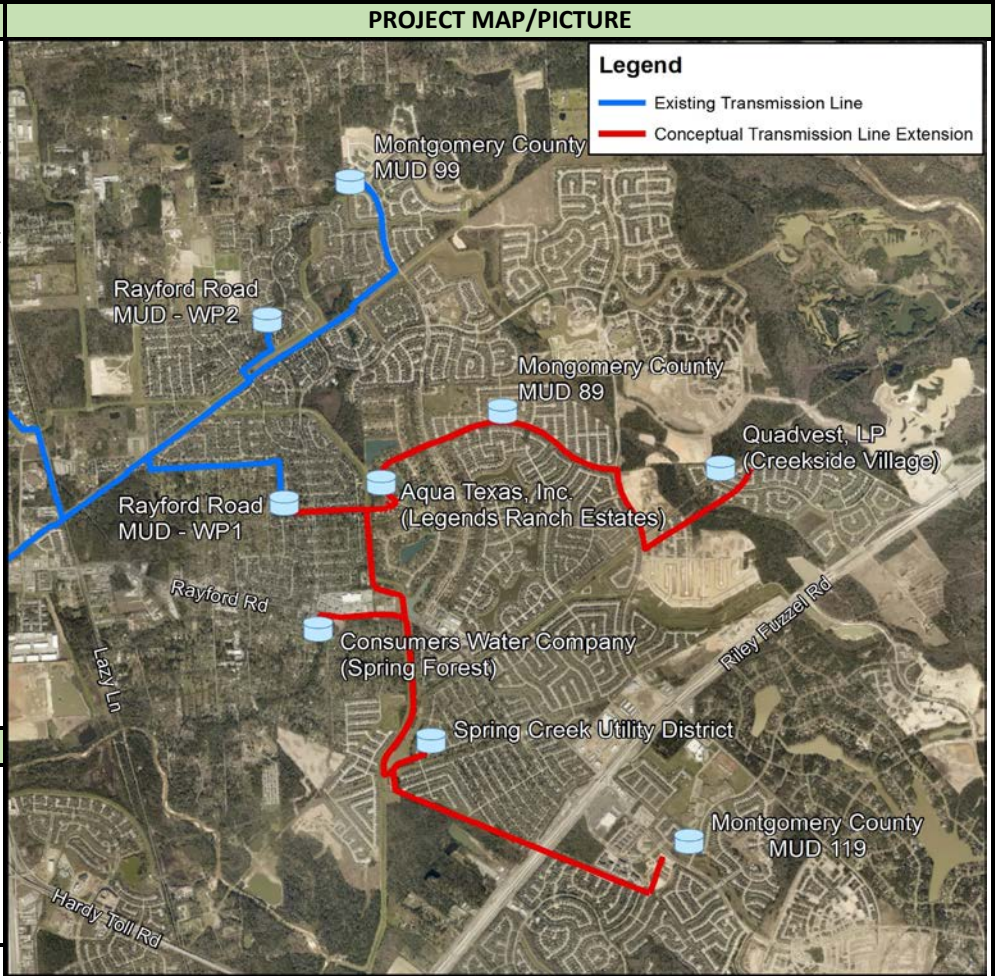


PROJECT NAME:	PROJECT ID	FISCAL YEAR	DIVISION
Name: Transmission Line Extensions/Flow Control Valve Replacements	GT1603	2018 - 2026	GRP

Individual surface water transmission line extensions and/or flow control valve replacements to serve a larger service area can occur throughout the CIP Planning period. However, under the guidelines established by the GRP Review Committee, a developer, or Participant, can request a service water extension to the new development or existing development, and pay for engineering up front. If the design leads to a construction project, the developer then pays 50% of the construction cost. CPS, CM&I, CMT and land acquisition estimates are all specific project dependent. Allowances are provided for general budgeted purposes. There is one Specifically identified project at this time; enlargement of the flow control valve servicing Mid-South expected to occur in FY 2017. There are no other specifically identified transmission line projects at this time.



PROJECT SCHEDULE		DELIVERY	FUNDING
Initiate Cons. Selection:	As Needed	<input type="checkbox"/> DBB	<input checked="" type="checkbox"/> O&M
PSA/WO Issued:	As Needed	<input type="checkbox"/> CMAR	<input checked="" type="checkbox"/> Bonds
Final Proposal Docs:	As Needed	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> R&R
Proposals/Bids Received:	As Needed	<input type="checkbox"/> Other	<input checked="" type="checkbox"/> Other
Constr. Contract to Board:	As Needed		0
Substantial Completion:	As Needed	<input checked="" type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed

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	\$ -	\$ 307,000	\$ 838,000	\$ 7,449,000	\$ 356,000	\$ 971,000	\$ 8,624,000	\$ 412,000	\$ 1,123,000	\$ 9,983,000	\$ -

*Budget includes contingency.

PROJECT NAME:	PROJECT ID	FISCAL YEAR	DIVISION
Name : Alternative Water Supply Projects	GT1604	2019 - 2027	GRP

Individual alternative water supply projects, such as brackish groundwater (e.g. Catahoula) and reuse, can occur throughout the CIP planning period. There are no specifically identified projects at this time. However, the GRP Division will continually research additional water supplies that can be included in the GRP's portfolio. CPS, CM&I, CMT, and land acquisitions estimates are all specific project dependent. Allowances are provided for general budgeting purposes.

PROJECT MAP/PICTURE



PROJECT SCHEDULE	DELIVERY	FUNDING
Initiate Cons. Selection: TBD	<input type="checkbox"/> DBB	<input checked="" type="checkbox"/> O&M
PSA/WO Issued: TBD	<input type="checkbox"/> CMAR	<input checked="" type="checkbox"/> Bonds
Final Proposal Docs: TBD	<input type="checkbox"/> CSP	<input type="checkbox"/> R&R
Proposals/Bids Received: TBD	<input type="checkbox"/> Other	<input type="checkbox"/> Other
Constr. Contract to Board: TBD		
Substantial Completion: TBD	<input checked="" type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed

BUDGET*	TOTAL	PREVIOUS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER	\$ 50,000			\$ 14,000			\$ 17,000			\$ 19,000		
Engineering/Design	\$ 105,000				\$ 30,000			\$ 35,000			\$ 40,000	
Construction	\$ 1,106,000					\$ 316,000			\$ 366,000			\$ 424,000
CPS, CM&I, and CMT	\$ 111,000					\$ 32,000			\$ 37,000			\$ 42,000
Land Acquisition	\$ -											
Equipment Purchase	\$ -											
Total	\$ 1,372,000	\$ -	\$ -	\$ 14,000	\$ 30,000	\$ 348,000	\$ 17,000	\$ 35,000	\$ 403,000	\$ 19,000	\$ 40,000	\$ 466,000

*Budget includes contingency.

PROJECT NAME:	PROJECT ID	FISCAL YEAR	DIVISION			
Name : Surface Water Treatment Plant Re-Rating Study	GW1801	2018	GRP			

The existing surface water plant capacity is based on allowable TCEQ-approved performance criteria. In actual practice, installed processes may be able to perform better. This study would develop an initial optimization plan and protocol for submission and approval to TCEQ. Individual process units would be tested at full-scale at the higher flowrates for 30 to 60 days. A final test report would be prepared for review and approval by TCEQ. The report would include estimates of probable construction cost to achieve optimization and estimates of operational costs for the optimized facilities. Construction costs would be included in a future CIP budget. The study could allow for higher plant capacity with a minimal amount of construction improvements. Processes to be evaluated include: Chlorine Dioxide System, GAC biofiltration, Backwash clarifier, sludge pumps and Thickener piping modifications, and Process Recovery Basin piping modification.



PROJECT SCHEDULE	DELIVERY	FUNDING
Initiate Cons. Selection: July, 2017	<input type="checkbox"/> DBB	<input checked="" type="checkbox"/> O&M
PSA/WO Issued: August, 2017	<input type="checkbox"/> CMAR	<input checked="" type="checkbox"/> Bonds
Final Proposal Docs: NA	<input type="checkbox"/> CSP	<input type="checkbox"/> R&R
Proposals/Bids Received: NA	<input checked="" type="checkbox"/> Other	<input type="checkbox"/> Other
Constr. Contract to Board: NA		
Substantial Completion: NA	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed

BUDGET*	TOTAL	PREVIOUS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER												
Engineering/Design	\$ 225,310		\$ 225,310									
Construction												
CPS, CM&I, and CMT												
Land Acquisition												
Equipment Purchase												
Total	\$ 225,310	\$ -	\$ 225,310	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Budget includes contingency.

PROJECT NAME:	PROJECT ID	FISCAL YEAR	DIVISION			
Name : Security System Improvements to SWTP Main Gate	GW1704	2018	GRP			

The main gate to the GRP Surface Water Treatment Plant (SWTP) is a single gate, that allows ingress and egress to the facility. Staff has observed many occasions where an exiting vehicle opens the gate allowing a vehicle to enter unchecked. The SWTP 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.

PROJECT MAP/PICTURE



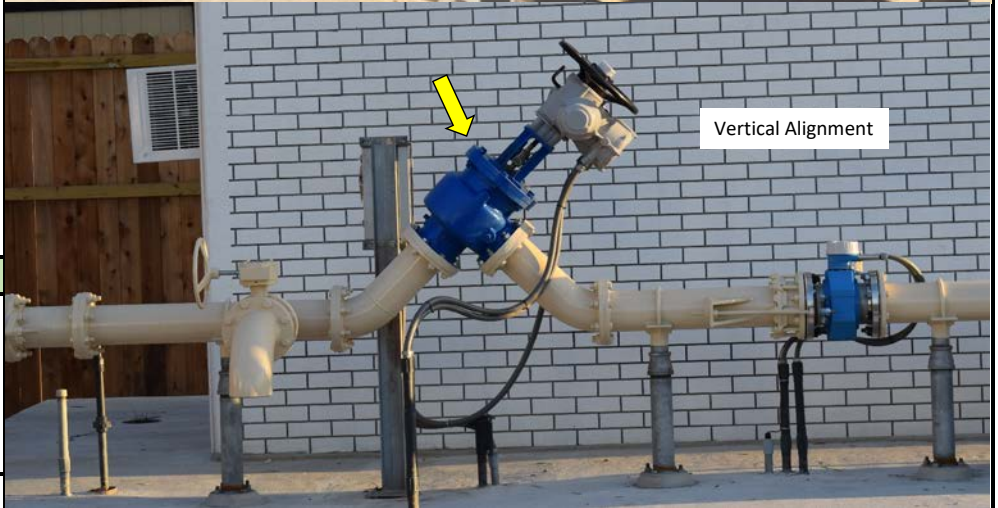
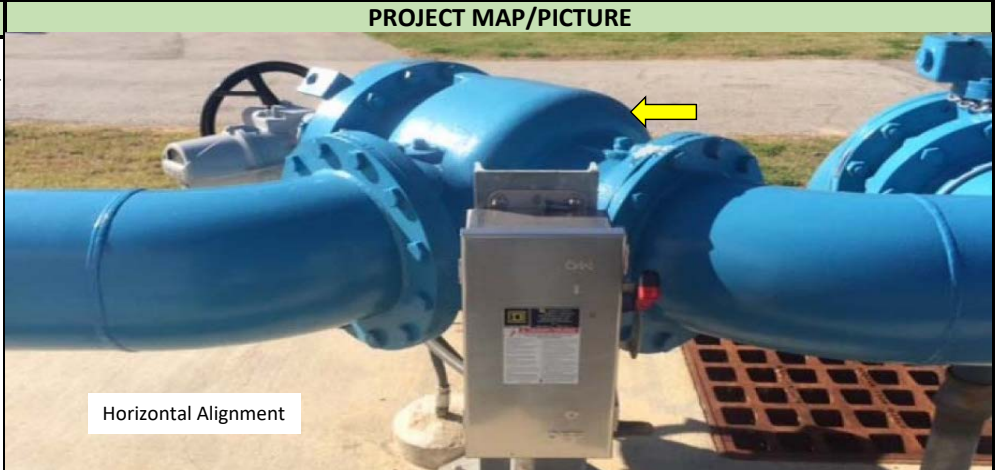
PROJECT SCHEDULE	DELIVERY	FUNDING
Initiate Cons. Selection: NA	<input type="checkbox"/> DBB	<input type="checkbox"/> O&M
PSA/WO Issued: NA	<input type="checkbox"/> CMAR	<input checked="" type="checkbox"/> Bonds
Final Proposal Docs: TBD	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> R&R
Proposals/Bids Received: TBD	<input type="checkbox"/> Other	<input type="checkbox"/> Other
Constr. Contract to Board: TBD	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed
Substantial Completion: TBD		

BUDGET*	TOTAL	PREVIOUS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER	\$ 15,000		\$ 15,000									
Engineering/Design	\$ 15,000		\$ 15,000									
Construction	\$ 150,000		\$ 150,000									
CPS, CM&I, and CMT												
Land Acquisition												
Equipment Purchase												
Total	\$ 180,000	\$ -	\$ 180,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Budget includes contingency.

PROJECT NAME:	PROJECT ID	FISCAL YEAR	DIVISION
Name : Water Receiving Facilities-Orientation of Flow Control Valves	GW1705	2018	GRP

The flow control vales at the Water Receiving Faciliites were installed in a horizontal orientation. This orientation makes it more likely that debris in the waterline will cause the vales not to to wear prematurely and to be able to close completely. Reorintating the valves to the vertical orientation will improve the performance of the valves.



PROJECT SCHEDULE		DELIVERY	FUNDING
Initiate Cons. Selection:	TBD	<input type="checkbox"/> DBB	<input checked="" type="checkbox"/> O&M
PSA/WO Issued:	TBD	<input type="checkbox"/> CMAR	<input type="checkbox"/> Bonds
Final Proposal Docs:	TBD	<input checked="" type="checkbox"/> CSP	<input type="checkbox"/> R&R
Proposals/Bids Received:	TBD	<input type="checkbox"/> Other	<input type="checkbox"/> Other
Constr. Contract to Board:	TBD		
Substantial Completion:	TBD	<input type="checkbox"/> Capitalized	<input checked="" type="checkbox"/> Expensed

BUDGET*	TOTAL	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER											
Engineering/Design	\$ 20,000	\$ 20,000									
Construction	\$ 200,000	\$ 200,000									
CPS, CM&I, and CMT	\$ 20,000	\$ 20,000									
Land Acquisition											
Equipment Purchase											
Total	\$ 240,000	\$ -	\$ 240,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Budget includes contingency.

PROJECT NAME:	PROJECT ID	FISCAL YEAR	DIVISION
Name : GAC Fines	GW1802	2018-2019	GRP

PROJECT MAP/PICTURE

The process of changing out granular activated carbon (GAC) uses a water slurry to convey new material into the existing basin. The result of this process, coupled with settling the GAC into the basin produces a large volume of very fine material. We currently spend approximately one million dollars per year to remove these fines from our system. Constructing new basins will allow operators to backwash fines on site and treat over time. In addition, the normal process of backwashing the GAC contactors during normal operations produces fines which could be sent to these new basins for treatment, which reduces solids loading in other parts of the plant.



PROJECT SCHEDULE	DELIVERY	FUNDING
Initiate Cons. Selection: July, 2017	<input type="checkbox"/> DBB	<input checked="" type="checkbox"/> O&M
PSA/WO Issued: August, 2017	<input type="checkbox"/> CMAR	<input checked="" type="checkbox"/> Bonds
Final Proposal Docs: July, 2018	<input type="checkbox"/> CSP	<input type="checkbox"/> R&R
Proposals/Bids Received: August, 2018	<input type="checkbox"/> Other	<input type="checkbox"/> Other
Constr. Contract to Board: September, 2018		0
Substantial Completion: August, 2019	<input checked="" type="checkbox"/> Capitalized	<input type="checkbox"/> Expensed

BUDGET*	TOTAL	PREVIOUS	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027
Planning/Permitting/PER	\$ 75,000	\$ 75,000										
Engineering/Design	\$ 150,000		\$ 150,000									
Construction	\$ 1,500,000			\$ 1,500,000								
CPS, CM&I, and CMT	\$ 150,000			\$ 150,000								
Land Acquisition												
Equipment Purchase												
Total	\$ 1,875,000	\$ 75,000	\$ 150,000	\$ 1,650,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -

*Budget includes contingency.