Capital Improvement Project

Project Number:

PW 08-09

Department Responsible: Public Works / Greg Gibson

Project Description:

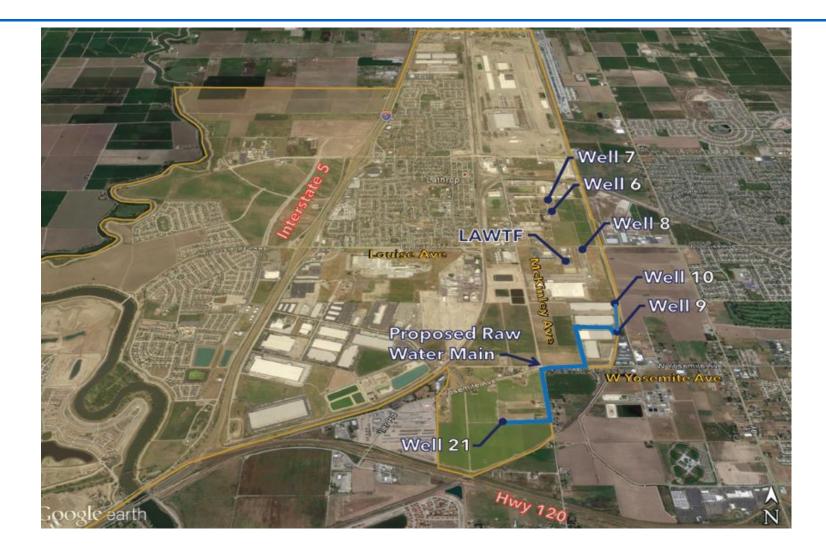
Project Name: Well 21 Phase 1 Improvements

Contact Number: 209-941-7430

Well 21 has been placed into inactive mode due to water quality issues with arsenic and uranium. Improvements at Well 21 and a pipeline to blend water from Well 9 and/or Well 10 are needed to address exceedances of drinking water standards for arsenic and uranium to bring Well 21 on-line. Additional future improvements to construct a booster pump station and storage tank and expansion of the water treatment plant at Well 21 are proposed in a second phase to realize the full capacity of Well 21. Plans and specifications for the raw water pipelines are nearly complete, and an evaluation of solids handling improvements and a professional peer review of the overall project design is in process.

Justification:

Additional work at Well 21 is needed to meet compliance with drinking water standards for arsenic and uranium and to complete regulatory permitting requirements.



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	Critical Date	Components	Descriptions
	Winter 2019	Peer Review of BOD	Peer review of Basis of Design, Solids Handling Imp
Project Components	Summer 2019	Design Phase	Consultant selection, complete design
& Estimated Timeline	Fall 2019	Bid Project	Issue project for bid, award construction contract
	Summer 2020	Construction	Construction of raw water pipeline and on-site impro
	Fall 2020	Start-up and Commissioning	Start-up, commissioning and permitting with DDW

	Prior & Current Year	Carry Forward	2019/20	2020/21	2021/22	2022/23	2023/24	Total
Source of Funds	Actuals	FY 2019/20	Recommended	Recommended	Planned	Planned	Planned	Allocations
Developer Projects - RI 20% Fund (2710)	11,923	-	-	-	-	-	-	11,923
Developer Projects - Watt 4% Fund (2710)	2,415	-	-	-	-	-	-	2,415
CFD 2003-01 (5410)	331,164	1,200,307	-	-	-	-	-	1,531,471
Water Capital Replacement Fund (5600)	-	52,000	-	-	-	-	-	52,000
Developer Contribution Fund (5610) PW 0115 xfr	171,041	-	-	-	-	-	-	171,041
Project Buy In Fund (5620 & 5410)	-	581,219	-	-	-	-	-	581,219
Total Revenues:	\$ 516,543	\$ 1,833,526	\$-	\$-	\$-	\$-	\$-	\$ 2,350,069

	Prior & Current Yea	Carry Forward	2019/20	2020/21	2021/22	2022/23	2023/24	Total
Use of Funds	Actuals	FY 2019/20	Recommended	Recommended	Planned	Planned	Planned	Allocations
Developer Projects - RI 20% Fund (2710)								
Project Management	-	-	-	-	-	-	-	-
Design and Engineering	-	-	-	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-	-	-
Construction	11,923	-	-	-	-	-	-	11,923
Miscellaneous	-	-	-	-	-	-	-	-
Total Developer Projects - RI Fund (2710):	\$ 11,923	\$ -	\$-	\$-	\$-	\$-	\$-	\$ 11,923
	Prior & Current Yea	Carry Forward	2019/20	2020/21	2021/22	2022/23	2023/24	Total
Use of Funds	Actuals	FY 2019/20	Recommended	Recommended				
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Developer Projects - Watt 4% Fund (2710)			Recommended	Recommended	Planned	Planned	Planned	Allocations
Project Management	_		-	-	Planned _	Planned	Planned _	Allocations -
· · ·	- 2,415	-		-		Planned - -	Planned - -	Allocations - 2,415
Project Management	- 2,415	-	-	- - -	-	Planned - -	Planned - - -	-
Project Management Design and Engineering	- 2,41t -	-	-	- - - -	-		Planned - - - -	-
Project Management Design and Engineering Land Acquisition	- 2,415 - - -	-	- - -				Planned - - - -	-

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	Prior & Current Yea	r Carry Forward	2019/20	2020/21	2021/22	2022/23
Use of Funds	Actuals	FY 2019/20	Recommended	Recommended	Planned	Planned
CFD 2003-1 (Fund 5410)						
Project Management	-	-	-	-		-
Design and Engineering	30,279	15,922	-	-		-
Land Acquisition	-	-	-	-		-
Construction	20,88	5 1,184,385	-	-		-
Miscellaneous	-	-	-	-	-	-
Total CFD 2003-1 Fund (5410):	\$ 51,164	\$ 1,200,307	\$-	\$-	\$-	\$-
	Prior & Current Yea	r Carry Forward	2019/20	2020/21	2021/22	2022/23
Use of Funds	Actuals	FY 2019/20	Recommended	Recommended	Planned	Planned
Water Capital Replacement Fund (5600)						
Project Management	-	-	-	-		-
Design and Engineering	-	-	-	-	-	-
Land Acquisition	-	-	-	-		-
Construction	-	52,000	-	-		-
Miscellaneous	-	-	-	-	-	-
Total Water Capital Replacement- Fund (5600):	\$-	\$ 52,000	\$-	\$-	\$-	\$-

	Prior & Current Year	Carry Forward	2019/20	2020/21	2021/22	2022/23
Use of Funds	Actuals	FY 2019/20	Recommended	Recommended	Planned	Planned
Developer Contribution Fund (5610) PW0115 Xfr						
Project Management	-	-	-	-	-	-
Design and Engineering	70,807	-	-	-	-	-
Land Acquisition	-	-	-	-	-	-
Construction	100,234	-	-	-	-	-
Miscellaneous	-	-	-	-	-	-
Total Developer Contribution- Fund (5610):	\$ 171,041	\$-	\$-	\$-	\$-	\$-

	Prior 8	Current Year	Carry Forward		2019/20	2020/21	2021/22	2022	/23
Use of Funds		Actuals	FY 2019/20	F	Recommended	Recommended	Planned	Planr	ned
Project Buy In Fund (5620 & 5410)									
Project Management		-	-		-	-	-		-
Design and Engineering		-	581,219		-	-	-		-
Land Acquisition		-	-		-	-	-		-
Construction		-	-		-	-	-		-
Miscellaneous		-	-		-	-	-		-
Total Project Buy in Fund (5620 & 5410):	\$	_	\$ 581,219	\$	-	\$-	\$-	\$	-
Total Expenditures:	\$	236,543	\$ 1,833,526	\$	-	\$-	\$-	\$	-

PW 08-09

	2023/24		Total
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	2023/24		Total
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	2023/24		Lotal
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