



BOARD MEETING AGENDA SUBMITTAL

TO: GCSB Board of Directors

FROM: Peter Kampa, General Manager

DATE: March 12, 2024

SUBJECT: Agenda Item 6D: Update and Board Direction Regarding the Preparation of the Capital Improvement Plans for all District Services and Administration

RECOMMENDED ACTION:

No specific action is recommended at this meeting, as staff seeks to inform the board and public of the fiscal impact of the major improvements and replacements of infrastructure and equipment required in the coming decade.

BACKGROUND:

The district has recently completed the preparation of an updated water and sewer master plan that included a comprehensive capital improvement program. Per the direction of the board, staff has finalized the capital improvement plan for discussion today. Attached you will find sheets covering each of our services and administration. During this meeting we intend to briefly introduce each of the projects, their relationship to operating cost and capacity development as well as how they relate to our rates, fees and charges. The board will take action at a future meeting to adopt the capital improvement plan.

FISCAL IMPACT:

None at this time.

ATTACHMENTS:

Draft capital improvement plan sheets.

Water CIP

Priority	Project No.	Project Name	Total Cost	Need	Percent of Project for Capacity	Money for Project to Capacity	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
1		Downtown Groveland/Big Oak Flat Water Distribution System Improvements Project	\$ 12,000,000	Rehab/Repair/Capacity	50%	\$ 6,000,000	\$ 4,000,000	\$ 4,000,000	\$ 4,000,000							
2		Water treatment Plant Facility (Buildings) Assessments and Repairs	\$ 1,500,000	Study/Rehab/Repair	0%	\$ 0	\$ 100,000	\$ 700,000	\$ 700,000							
3		Tank No. 2 Building and Electrical Replacement	\$ 100,000	Rehab/Repair	0%	\$ 0		\$ 100,000								
4		Tank No. 4 Building, Electrical and Hydromechanical Tank Replacement	\$ 275,000	Rehab/Repair	0%	\$ 0		\$ 137,500	\$ 137,500							
5		Water Meter Automation Project	\$ 4,300,000	Rehab/Repair/Water Conservation	10%	\$ 430,000	\$ 716,667	\$ 716,667	\$ 716,667	\$ 716,667	\$ 716,667	\$ 716,667				
6	W20	Dunn Court Pump Station Improvements	\$ 477,000	Rehab/Repair	0%	\$ 0			\$ 238,500	\$ 238,500						
7	W17	Water System GIS and Hydraulic Model Updates	\$ 100,000	Systems/Capacity	20%	\$ 20,000	\$ 50,000	\$ 50,000								
8		PLC, Radio replacement and Plant Control Wiring Replacement Project	\$ 586,250	Rehab/Repair	0%	\$ 0				\$ 293,125	\$ 293,125					
9	W16	Complete SCADA System Upgrades	\$ 100,000	Systems	0%	\$ 0				\$ 50,000	\$ 50,000					
10		Storage Tank Rehabilitation Program	\$ 1,250,000	Rehab/Repair	0%	\$ 0	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000	\$ 125,000
11	W09	PRV Replacement Program	\$ 2,630,000	Rehab/Repair	0%	\$ 0	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000	\$ 263,000
12	W07	Fire Hydrant Replacement Program	\$ 7,410,000	Rehab/Repair	0%	\$ 0	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000	\$ 741,000
13	W18	Valve and ARV Replacement Program	\$ 1,410,000	Rehab/Repair	0%	\$ 0	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000	\$ 141,000
14	W14	Service Line Replacement Program	\$ 4,114,000	Rehab/Repair/Water Conservation	10%	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400	\$ 411,400
15	W11	AC Pipeline Replacement Program	\$ 16,861,000	Rehab/Repair/Water Conservation	10%	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100	\$ 1,686,100
16	W02	Close Loop on Old State Route 120 (GL-SE)	\$ 629,000	Redundancy/Capacity	50%	\$ 314,500							\$ 629,000			
17	W08	GL-S Zone Small Diameter Pipe Replacement	\$ 753,000	Rehab/Repair/Capacity/Fire Flow	50%	\$ 376,500	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300	\$ 75,300
18	W04	Provide Redundant Pipeline from 2G Supply to PML	\$ 1,970,000	Capacity	100%	\$ 1,970,000										\$ 1,970,000
19	W13	Second Garotte Pump Station Upgrades	\$ 3,249,000	Capacity	100%	\$ 3,249,000								\$ 3,249,000		
20	W03	Upsize 2G PS Conveyance Pipeline	\$ 8,113,000	Capacity	100%	\$ 8,113,000									\$ 8,113,000	
		TOTAL	\$ 56,465,250			\$ 11,208,500	\$ 8,309,467	\$ 9,146,967	\$ 9,235,467	\$ 4,741,092	\$ 4,502,592	\$ 4,159,467	\$ 4,071,800	\$ 6,691,800	\$ 11,555,800	\$ 5,412,800

PROJECTS FOR CONSIDERATION FOR NEW DEVELOPMENT AND IMPROVED OPERATIONS, NOT IN FUNDING PLAN

1	W21	Smart Meter / Data Logger Install	\$ 50,000	Study	0%	\$ 0										\$ 50,000
2	W22	Implement Leak Detection / Pipeline Condition Assessment	\$ 159,000	Study	20%	\$ 31,800			\$ 79,500	\$ 79,500						
3	W12	Boitano Road Pipeline and PRV	\$ 718,000	Redundancy/Capacity	35%	\$ 251,300										\$ 718,000
4		Water Treatment Facility Master Plan Study	\$ 270,000	Study/Efficiency/Regulatory Compliance/Capacity	50%	\$ 135,000				\$ 270,000						
5	W06	WTP - Conversion to Packaged Filtration System - Conceptual Study	\$ 150,000	Study/Efficiency/Regulatory Compliance/Capacity	50%	\$ 75,000				\$ 150,000						
6	W05	Tank 4 / PML-NE PS Storage and Pumping Project for PML-zones	\$ 9,337,000	Capacity/Fire Flow/Energy Efficiency	50%	\$ 4,668,500					\$ 2,334,250	\$ 2,334,250	\$ 2,334,250	\$ 2,334,250		
		TOTAL	\$ 10,684,000			\$ 5,161,600	\$ 0	\$ 0	\$ 79,500	\$ 499,500	\$ 2,334,250	\$ 2,334,250	\$ 2,334,250	\$ 2,334,250	\$ 0	\$ 768,000

Equipment Replacement Program

1		Water Distribution System Generator Replacement	\$ 400,000	Rehab/Repair	0%	\$ 0	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000
2		Buter Way Pump Station Generator Replacement	\$ 150,000	Rehab/Repair	0%	\$ 0				\$ 150,000						
		TOTAL	\$ 550,000				\$ 40,000	\$ 40,000	\$ 40,000	\$ 190,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000

		Administration	\$ 3,494,500													
		Grand Total	\$ 71,193,750				\$ 8,349,467	\$ 9,186,967	\$ 9,354,967	\$ 5,430,592	\$ 6,876,842	\$ 6,533,717	\$ 6,446,050	\$ 9,066,050	\$ 11,595,800	\$ 6,220,800

Sewer CIP

Priority	Project No.	Project Name	Total Cost	Need	Percent of Project for Capacity	Money for Project to Capacity	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
1		Headworks Improvements Project	\$ 1,300,000	Repair/Rehab	0%	\$ 0	\$433,333	\$433,333	\$433,333							
2	SS12	Replace Lift Station 2	\$ 1,448,000	Repair/Rehab	0%	\$ 0			\$1,448,000							
3		Evaluation of Electrical Components at WWTP and Construction of Irrigation Pump Station w/ Irrigation System Upgrades	\$ 975,000	Repair/Rehab/Capacity	33%	\$ 325,000	\$325,000	\$325,000	\$325,000							
4		Influent and Bypass Pump Station Improvements Project	\$ 540,000	Repair/Rehab/Capacity	33%	\$ 180,000	\$180,000	\$180,000	\$180,000							
5		Sewer System Survey, GIS and Hydraulic Model	\$ 300,000	Systems	20%	\$ 60,000	\$150,000	\$150,000								
6		Evaluation and Construction of Polymer/Screw Press and Sludge Drying Bed Improvements Project	\$ 770,000	Repair/Rehab/Capacity	50%	\$ 385,000	\$256,667	\$256,667								
7		Complete SCADA System Upgrades	\$ 100,000	System	0%	\$ 0				\$100,000						
8		PLC and Radio replacement Project	\$ 536,250	Repair/Rehab	0%	\$ 0				\$536,250						
9		Lift Station Control Cabinet Rehabilitation	\$ 400,000	Repair/Rehab	0%	\$ 0			\$100,000	\$100,000	\$100,000	\$100,000				
10	SS05	Lift Station Rehabilitation Program	\$ 2,109,000	Repair/Rehab	0%	\$ 0				\$527,250	\$527,250	\$527,250	\$527,250			
11	SS03	Pipeline and MH Rehabilitation Program	\$ 10,453,000	Repair/Rehab/Capacity	20%	\$ 2,090,600	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300	\$1,045,300
12	SS09	WWTP - Short Term Actions	\$ 120,000	Repair/Rehab	0%	\$ 0							\$40,000	\$40,000	\$40,000	
13	SS16	Reconfigure LS 6 to Bypass LS 7 in an Emergency	\$ 276,000	Repair/Rehab/Capacity	33%	\$ 91,080										\$276,000
14		Evaluation, Design and Construction of Wastewater Treatment Plant Replacement	\$ 31,000,000				\$100,000	\$225,000	\$225,000	\$225,000	\$225,000		\$30,000,000			
		TOTAL	\$ 50,327,250			\$ 3,131,680	\$ 2,490,300	\$ 2,615,300	\$ 3,913,300	\$ 2,533,800	\$ 1,897,550	\$ 1,672,550	\$ 31,712,550	\$ 1,085,300	\$ 1,085,300	\$ 1,321,300

PROJECTS FOR CONSIDERATION FOR NEW DEVELOPMENT AND IMPROVED OPERATIONS, NOT IN FUNDING PLAN

1	SS01	Flow Monitoring & I/I Study	\$ 144,000	Study	0%	\$ 0	\$144,000									
2	SS10	WWTP & Recycled Water Master Plan	\$ 270,000	Study/Capacity	50%	\$ 135,000			\$270,000							
3	SS04	Lift Station Rehabilitation Evaluation	\$ 134,000	Study	0%	\$ 0		\$134,000								
4	SS06	Odor Control Study and Implementation	\$ 2,419,000	Study/Repair/Rehab	0%	\$ 0				\$150,000	\$453,800	\$453,800	\$453,800	\$453,800	\$453,800	\$453,800
5		Sludge Handling Study	\$ 150,000	Study/Capacity	33%	\$ 49,500			\$150,000							
6	SS18	Septic to Sewer Feasibility Study	\$ 164,000	Study/Capacity	100%	\$ 164,000			\$164,000							
		TOTAL	\$ 3,281,000			\$ 348,500	\$ 144,000	\$ 134,000	\$ 164,000	\$ 420,000	\$ 150,000	\$ 453,800	\$ 453,800	\$ 453,800	\$ 453,800	\$ 453,800

Equipment Replacement Program

1		Generator Replacement Project	\$ 600,000	Repair/Rehab	0%	\$ 0	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000	\$60,000
		TOTAL	\$ 600,000				\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000	\$ 60,000

Maintenance Program

1	SS02	CCTV Inspection Program	\$ 1,598,000	Study	0%	\$ 0	\$159,800	\$159,800	\$159,800	\$159,800	\$159,800	\$159,800	\$159,800	\$159,800	\$159,800	\$159,800
2	SS11	Force Main Cleaning & Inspection Program	\$ 651,000	Study	0%	\$ 0	\$65,100	\$65,100	\$65,100	\$65,100	\$65,100	\$65,100	\$65,100	\$65,100	\$65,100	\$65,100
		TOTAL	\$ 2,249,000				\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900	\$ 224,900

Administration \$ 1,928,000

Grand Total \$ 58,385,250

\$ 2,919,200 \$ 3,034,200 \$ 4,362,200 \$ 3,238,700 \$ 2,332,450 \$ 2,411,250 \$ 32,451,250 \$ 1,824,000 \$ 1,824,000 \$ 2,060,000

Park CIP

Priority	Project No.	Project Name	Total Cost	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
1		Snack Shack and Ampitheater Renovations	\$1,500,000			\$500,000	\$500,000	\$500,000					
2		Irrigation and Lawn Improvements	\$750,000						\$375,000	\$375,000			
3		Park Improvements (Lighting, Benches, Structures, etc)	\$1,000,000								\$333,333	\$333,333	\$333,333
4		Playground Replacement	\$200,000										
5		Asphalt Renovation	\$400,000										
6		Concrete Replacement	\$300,000										
		TOTAL	\$4,150,000	\$ 0	\$ 0	\$ 500,000	\$ 500,000	\$ 500,000	\$ 375,000	\$ 375,000	\$ 333,333	\$ 333,333	\$ 333,333

Administration	\$120,500
Grant Total	\$4,270,500

Fire CIP

Priority	Project Name	Total Cost	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
1	Fire Station Expansion Project	\$ 5,724,000	\$572,400	\$572,400	\$572,400	\$572,400	\$572,400	\$572,400	\$572,400	\$572,400	\$572,400	\$572,400
2	Substation Renovations	\$ 375,000	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500	\$37,500
TOTAL		\$ 6,099,000	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900	\$ 609,900

Administration	\$482,000
Grant Total	\$6,581,000

Admin CIP

Priority	Project No.	Project Name	Total Cost	Percent of Project for Capacity	Money for Project to Capacity	FV (Begin)	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
1		Administrative Office Needs Study	\$ 75,000	100%	\$ 75,000		\$75,000									
2		Administrative Office Renovation and Expansion	\$ 2,500,000	50%	\$ 1,250,000			\$1,250,000	\$1,250,000							
3		Mechanic Shop Replacement and Expansion	\$ 1,200,000	30%	\$ 360,000					\$600,000	\$600,000					
4		Vehicle and Equipment Storage Building	\$ 500,000	30%	\$ 150,000							\$250,000	\$250,000			
5		Fuel Tank Replacement and Automation	\$ 250,000	20%	\$ 50,000									\$250,000		
6		ZEV Chargepoints and Upgrades	\$ 1,500,000	20%	\$ 300,000		\$500,000	\$500,000	\$500,000							
7					\$ 0											
8					\$ 0											
9					\$ 0											
10					\$ 0											
11					\$ 0											
12					\$ 0											
13					\$ 0											
		TOTAL	\$ 6,025,000				\$ 575,000	\$ 1,750,000	\$ 1,750,000	\$ 600,000	\$ 600,000	\$ 250,000	\$ 250,000	\$ 250,000	\$ 0	\$ 0

Allocation to Services

58%	Water	\$ 3,494,500
32%	Sewer	\$ 1,928,000
2%	Parks	\$ 120,500
8%	Fire	\$ 482,000

Allocated Cost	FY (Begin)	2024/25	2025/26	2026/27	2027/28	2028/29	2029/30	2030/31	2031/32	2032/33	2033/34
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