



FY 2021-2022

Update to the 5-Year

Capital Improvement Plan (CIP)

Approved October 12, 2021

NOTE: The following is the update to the GDPUD Five-Year Capital Improvement Plan. To access the full CIP Documents, please go to www.gd-pud.org

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**REPORT TO THE BOARD OF DIRECTORS
BOARD MEETING OF OCTOBER 12, 2021
AGENDA ITEM NO. 8.A.**



AGENDA SECTION: OLD BUSINESS

SUBJECT: RECEIVE ADDITIONAL INFORMATION AND CONSIDER APPROVAL OF FY 2021/2022 UPDATE TO THE FIVE-YEAR CAPITAL IMPROVEMENT PLAN

PREPARED BY: Adam Coyan, General Manager

BACKGROUND

The Capital Improvement Plan (CIP) is a five-year planning tool that identifies anticipated capital improvements and their funding sources. The CIP does not appropriate funds, but rather, it functions as a budgeting and planning tool which supports actual appropriations that are made through adoption of the budget. The subsequent four years are subject to change due to more detailed engineering analysis, Board direction of project priorities, updates to revenues, and changes in project costs. Therefore, the five-year CIP is updated annually.

DISCUSSION

The proposed FY 2021-2022 update to the Five-Year Capital Improvement Plan was presented to the Board at the Regular Meeting of September 14, 2021 (the staff report is included as **Attachment 1**).

In response to the Board's direction, Staff prepared a chart listing the projects for Fiscal Years 2018/2019, 2019/2020, 2020/2021, 2021/2022 and the status of each project (**Attachment 2**). A description of the projects planned and proposed for Fiscal Year 2021/2022 is included with this staff report as **Attachment 3**.

For reference, also attached are the approved Five Year FY 2019/2020–2024/2025 Capital Improvement Plan, and the FY 2020-2021 CIP Update.

FISCAL IMPACT

The FY 2021-2022 CIP consists of 16 projects, totaling approximately \$6.8 million and constrained against \$10.2 million of available funding over the next five years. All expenditures and revenues identified beyond Fiscal Year 2021/2022 have no direct fiscal impact at this time because the CIP is not a financial commitment by the Board, but rather a planning and forecasting tool. Under funding, the \$500,000 meter replacement grant was not included. This was intentional for the meter replacement loan. The total project cost for the meter replacement plan is not included in the CIP budget because it is a yearly

budget. The SRF loan for the automated meter replacement project was not included in the funding source due to not being included the overall expense.

CEQA ASSESSMENT

This is not a CEQA Project. Each individual project is subject to a separate CEQA review and assessment.

RECOMMENDED ACTION

Staff recommends the Board of Directors approve the FY 2021-2022 Update to the Five-Year Capital Improvement and/or provide additional direction to Staff.

ATTACHMENTS

1. Staff Report of September 14, 2021 – FY 2021-2022 CIP Update
2. List CIP Projects and Status
3. Description of FY 2021-22 CIP Projects
4. Five-Year CIP 2019/2020 – 2024/2025
5. FY 2020-21 CIP Update

**REPORT TO THE BOARD OF DIRECTORS
BOARD MEETING OF SEPTEMBER 14, 2021
AGENDA ITEM NO. 8.G.**



AGENDA SECTION: NEW BUSINESS

SUBJECT: REVIEW DRAFT FIVE-YEAR CAPITAL IMPROVEMENT PLAN

PREPARED BY: Adam Coyan, General Manager

BACKGROUND

The CIP is a five-year planning tool that identifies anticipated capital improvements and their funding sources from Fiscal Year 2021-2022 through 2025-2026. The CIP does not appropriate funds, but rather, it functions as a budgeting and planning tool which supports actual appropriations that are made through adoption of the budget. The subsequent four years are subject to change due to more detailed engineering analysis, Board direction of project priorities, updates to revenues, and changes in project costs. Therefore, the five-year CIP is updated annually.

DISCUSSION

Table 1, on the following page, includes values for loan repayment and does not represent total exposure. As an example, the meter replacement loan is estimated to cost \$1.7, and the monthly loan payment will come out of the CIP and is listed under meter replacement. Total project cost is not listed in the table. Further, the new ALT treatment plant service charge and loan repayment are not listed in the table because we track that separately.

Table 1 summarizes the CIP projects and expenditures by fiscal year, and Table 2 summarizes the funding by fiscal year.

Attached are maps that show the location of the raw water CIP projects and the treated water CIP projects.

Table 1 – CIP Project List

Project	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	TOTAL 2021-2026
Pump Station Retrofit/Generator	\$132,000 A1	\$12,000 A2	\$12,000 A3	\$12,000 A4	\$12,000 A5	\$180,000
ALT 2,000,000 Water Tank	--	--	--	--	\$3,000,000 B1	\$3,000,000
Tunnel Inspection and Lining	\$150,000	\$150,000	\$150,000	\$150,000	\$150,000	\$750,000
Office and Corp Yard Building Roof Repairs	\$10,000	\$10,000	\$10,000	\$10,000	\$10,000	\$50,000
Angel Camp Tank Recoating	--	--	\$366,800 C1	--	--	\$ 366,800
Repair Safety Walkways	\$2,000 D1	\$2,000 D2	\$2,000 D3	\$2,000 D4	\$2,000 D5	\$10,000
Treated Water Line Replacement	\$50,000 E1	\$50,000 E2	\$50,000 E3	\$50,000 E4	\$50,000 E5	\$250,000
Pressure Regulating Valves	\$100,000 F1	\$100,000 F2	\$100,000 F3	\$100,000 F4	\$100,000 F5	\$500,000
North Fork American River Pumping Plant Evaluation	--	--	--	--	--	--
Meter Replacement Loan	--	\$97,458.18	\$97,458.18	\$97,458.18	\$97,458.18	\$389,833
Annual Canal Lining	\$150,000 G1	\$100,000 G2	\$100,000 G3	\$100,000 G4	\$100,000 G5	\$ 500,000
Old ALT WTP Demolition	\$ 75,000	--	--	--	--	\$ 75,000
Develop Alternate Water Source	--	--	--	--	--	--
Paving ALT	\$100,000 H1	\$20,000	\$20,000	\$20,000	\$20,000	\$180,000
Water System Condition Assessment	\$250,000	--	--	--	--	\$ 250,000
Replace Air Release Valves	\$ 40,000 J1	\$10,000 J2	\$10,000 J3	\$10,000 J4	\$10,000 J5	\$ 80,000
Asset Management Plan	\$ 80,000	--	--	--	--	\$ 80,000
Cargo Container	\$ 12,000	--	--	--	--	\$ 12,000
Lift Station Upgrade	--	\$150,000 K1	--	--	--	\$150,000
Total	\$1,151,000	\$701,458	\$918,258	\$551,458	\$3,551,458	\$6,873,633

(Note: Code in red corresponds to the code on the maps, Attachment 1.)

Table 2 – Funding Source

Fund	FY 21/22	FY 22/23	FY 23/24	FY24/25	FY25/26	TOTAL 2021-2026
Capital Reserve	\$3,279,417	\$851,693	\$775,040	\$705,286	\$641,811	\$6,253,001
Capital Facility Charge Restricted	\$1,848,957	\$216,000	\$201,000	\$192,000	\$170,000	\$2,627,957
ALT WTP Capital Reserve	\$1,401,645	\$0	\$0	\$0	\$0	\$1,401,645
Total	\$6,530,019	\$1,067,693	\$976,040	\$897,286	\$811,811	\$10,282,849

FISCAL IMPACT

The CIP consists of 16 projects, totaling approximately \$6.8 million and constrained against \$10.2 million of available funding over the next five years. All expenditures and revenues identified beyond Fiscal Year 2021/2022 have no direct fiscal impact at this time because the CIP is not a financial commitment by the Board, but rather a planning and forecasting tool. Under funding I have not included the \$500,000 meter replacement grant. This was intentional for the meter replacement loan. The total project cost for the meter replacement plan is not included in the CIP budget because it is a yearly budget. I have also not included the meter replacement loan in the funding source due to not included the overall expense.

CEQA ASSESSMENT

This is not a CEQA Project. Each individual project is subject to a separate CEQA review and assessment.

RECOMMENDED ACTION

Staff recommends the Board of Directors provide direction on the CIP for FY 2021/2022 to 2025/2026.

ATTACHMENTS

1. Five-Year Capital Improvement Plan
2. Maps – Raw Water CIP Projects and Treated Water CIP Projects

GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT
FY 2021-2022 CIP PROJECTS

PROJECT	DESCRIPTION	EST. COST	EST. COMPLETION	STATUS
Pump Station Retrofit/Generator	A lot of the pump stations in the system pump water to a tank that supplies pressure to the rate payers. A lot of these pump stations do not have generators and if the power is off the tanks will drain and the people on that will run dry. For fire resiliency it is imperative to ensure that the tanks can maintain pressure.	180,000		Proposed
Auburn Lake Trails 2,000,000-gal Tank	Install a two-million-gallon storage tank adjacent to Sweetwater Treatment Plant. This is primarily for fire protection and to provide back up for the Angel Camp tank that is there. Currently in the summer the Angel camp turns over multiple times a day and only has one pipe into it so cannot get recoated unless another tank is in place. We would bring this project as close as possible to shovel ready and seek grants.	3,000,000	2027	Proposed
Tunnel Inspection and Lining	Inspect and line Tunnel Hill raw water conveyance tunnel. An additional \$150,000 is allocated each fiscal year until 2025/2026. The last tunnel inspection was done over twenty years ago. All of the water that is used for residential and irrigation is conveyed through the tunnel. I am currently working with JPIA to get some insurance on the tunnel and to get the tunnel inspected for liability reasons. The lining would be dependent upon the report from the mining engineer that completed the inspection.	750,000		Proposed
Rehabilitation of Storage Shed	Rehabilitation of storage shed located in the Corporation Yard.	10,000	2022	Proposed
Angel Camp Tank Recoating	Project will clean and recoat Angel Camp Storage Tank to maintain high water quality. It is necessary to recoat the tanks as needed to keep them from degrading and then needing to be replaced.	366,000	2024	Proposed

PROJECT	DESCRIPTION	EST. COST	EST. COMPLETION	STATUS
Repair Safety Walkways	Install employee safety barriers at distribution, monitoring and adjustment locations. Currently the walkways at some of the diversions and clean out locations are unsafe by OSHA standards and need to be fixed for insurance purposes and safety concerns with our crew.	75,000	March 2022	In Progress
Treated Water Line Replacement	Replace/upgrade treated water pipeline segments which have experienced a high rate of failures and repairs in recent years. Two segments include Kit Fox Court and Angel Camp Court in Cool, totaling approximately 1,350 linear feet.	250,000	2022	Planned
Pressure Regulating Valves	Projects will include replacement of pressure regulating valves. An additional \$100,000 is allocated each fiscal year until 2025/2026. The pressure regulating valves need replacement and have a finite lifespan. They regulate the pressure in the system and protect the system from events that could damage lines and rate payer's houses.	500,000	2026	Proposed
North Fork American River Pumping Plant Evaluation	First phase of project would include water rights analysis, conceptual engineering design and evaluation of capital and operating costs. It is imperative to get another source of water. Having a single source puts the district in a very precarious position as we progress into drought conditions.	N/A	N/A	Planned
Automated Meter Replacement Project	Replace meters and install automated meter reading hardware and software.	1,746,000	June 2022	In Progress
Annual Canal Lining	Prioritized repair and lining of water conveyance canals and ditches. An additional \$100,000 is allocated each fiscal year until 2025/2026. Canal lining is the cheapest options. If we piped the ditches, it would be more expensive initially but would save money in the long term due to maintenance costs. We would lose the natural fire break that the ditch provides either way.	500,000	Annually	In Progress
Old ALT WTP Demolition	Decommission and deconstruct old Auburn Lakes Trail Treatment Plant following completion of new plant.	75,000	February 2022	In Progress

PROJECT	DESCRIPTION	EST. COST	EST. COMPLETION	STATUS
Develop Alternate Water Source	This would tie into the North Fork of the American River Pumping Plant. If that plan proves unfeasible then develop an alternate source.	N/A	N/A	Proposed
ALT Paving Projects	Projects will include paving areas damaged by water main breaks. An additional \$20,000 is allocated each fiscal year until 2025/2026.	180,000	2022	Proposed
Water System Condition Assessment	Projects will include development of Water System Condition Assessment estimated at \$250,000 and Asset Management Plan estimated at \$80,000. This is the basis of a rate study and to be able to predict what future costs the district will need to pay.	330,000	2022	Proposed
Replace Air Release Valves	Projects will include replacement of air release valves. An additional \$10,000 is allocated each fiscal year until 2025/2026.	100,000	2022	Proposed
Cargo Container	We currently rent the cargo container. If we purchased the cargo container, we would own it and save money going forward.	12,000	2021	Proposed
Wastewater Lift Station Upgrade	Upgrade wastewater lift station for increased capacity and replace worn out components. This has been placed on the CIP multiple times; it is needed but is not immediate and can wait until next year.	150,000	2023	Proposed
TOTAL ESTIMATED PROJECT COSTS		\$8,224,000		

GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT
CAPITAL IMPROVEMENT PLAN
STATUS OF PROJECTS

2018-2019	2019-2020	2020-21	2021-22
ALTW (Sweet Water) Treatment Plant	Upcountry Ditch Rehabilitation	Reservoir & Stream Gaging	Pump Station Retrofit/Generator
Reservoir & Stream Gaging	ALTW (Sweet Water) TP	Office and Corp Yard Building Roof Repairs	Sweetwater Treatment Plant 2,000,000-Gal Water Tank
Office and Corp Yard Building Roof Repairs	Reservoir & Stream Gaging	Annual Tank Recoating	Tunnel Inspection and Lining
2017 Pavement Repair	Office and Corp Yard Building Roof Repairs	Master Plan update/ System Assessment	Office and Corporation Yard Building Roof Repairs
Annual Tank Recoating	Annual Tank Recoating	Old ALT WTP Demolition	Angel Camp Tank Recoating
2018 Canal Lining	Repair Safety Walkways	Replace Pump Stations	Repair Safety Walkways
Repair Safety Walkways	Treated Water Line Replacement	Repaving of District Parking Lots	Treated Water Line Replacement
2017 Manhole Sealing	2018 Main Canal Reliability	Rebuild Filter at Walton Lake Treatment Plant	Pressure Regulating Valves
Treated Water Line Replacement	North Fork American River Pumping Plant Evaluation	CDS Wastewater Lift Station Upgrade	North Fork American River Pumping Plant Evaluation
2018 Main Canal Reliability	Automated Meter Replacement		Automated Meter Replacement
North Fork American River Pumping Plant Evaluation	Annual Canal Lining		Annual Canal Lining
Automated Meter Replacement	Old ALT WTP Demolition		Old ALT WTP Demolition
Annual Canal Lining	Replace Pump Stations		Develop Alternate Water Source
CDS Wastewater Lift Station Upgrade	Rehabilitate District Parking Lots		ALT Paving Projects
	Install Backup Generator Office	<i>Tank Recoating Projects listed below:</i>	Water System Condition Assessment
	Rebuild Filter at Walton Lake Treatment Plant	Spanish Dry Diggins Tank Coating *	Replace Air Release Valves
	Engineering Evaluation of CDS Field	Walton Tank Recoating	Asset Management Plan
	Manhole Sealing	Garden Park Tank Coating	Cargo Container
CABY Canal Lining Project	CDS Wastewater Lift Station Upgrade	Kelsey Tank Coating	CDS Wastewater Lift Station Upgrade

LEGEND:

Proposed	Planned	In Progress	Substantially Complete	Complete
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Note: Descriptions of CIP Projects can be found on the GDPUD website. Here's the link: [Capital Improvement Program Project Locations \(arcgis.com\)](https://www.gdpud.com/Capital-Improvement-Program-Project-Locations)