

**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

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**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 Cohan, General Manager

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**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.

**Five-Year CIP**

Board Meeting of September 14, 2021  
Agenda Item No. 8.B.

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

<b>Fund</b>	<b>FY 21/22</b>	<b>FY 22/23</b>	<b>FY 23/24</b>	<b>FY24/25</b>	<b>FY25/26</b>	<b>TOTAL 2021-2026</b>
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

**AGENDA ITEM 8.B.**

**Attachment 1**

**Maps**

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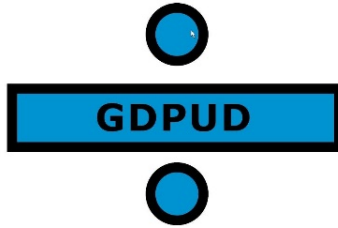
Note: Descriptions of CIP Projects can be found on the GDPUD website. Here's the link: [Capital Improvement Program Project Locations \(arcgis.com\)](https://www.gdpud.com/Capital-Improvement-Program-Project-Locations)

**GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT  
FY 2021-2022 CIP PROJECTS**

<b>PROJECT</b>	<b>DESCRIPTION</b>	<b>EST. COST</b>	<b>EST. COMPLETION</b>	<b>STATUS</b>
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
<b>TOTAL ESTIMATED PROJECT COSTS</b>		<b>\$8,224,000</b>		



# CAPITAL IMPROVEMENT PLAN 2019/2020 TO 2023/2024

GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

FINAL ADOPTED  
June 4, 2019

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## **I. Introduction**

Georgetown Divide Public Utility District's (District) five-year Capital Improvement Plan (CIP) is a multi-year planning instrument to guide the construction of new facilities/infrastructure; and for the expansion, rehabilitation or replacement of existing District assets. The five-year CIP is developed by Staff and adopted by the Board of Directors, then becomes the guiding document for the prioritization of projects.

The information included in the CIP is based on the current information available and updated regularly to reflect changing priorities, funding availability and project completion. A new five-year CIP will be submitted to the Board annually with recommended adjustments to project budgets, funding sources, descriptions, and/or schedules. Inclusion of a project in the CIP does not commit the District to specific expenditures or appropriations for any particular project.

The CIP includes all projects and programs expected to be undertaken during the next five fiscal years. Specific projects and related schedules are selected based upon:

- Availability of funding
- Minimizing disruptions associated with construction activity
- Board direction

Approximately \$8.6 million in CIP programs and projects over the next five years have been identified.

## **II. Infrastructure**

District infrastructure includes the water and wastewater physical structures, systems, and facilities needed to provide services to customers and for the functioning of a community and its economy. Infrastructure impacts public health, safety, and the quality of life for District customers and residents. Decisions made regarding infrastructure projects are very important because they are generally large and expensive, and the assets created will require decades of public use.

The District is responsible for maintaining the following infrastructure:

- Over 70 miles of canals
- Over 200 miles of water pipeline
- Two (2) water treatment plants
- Ten (10) water storage tanks
- Five (5) pumping stations
- Three (3) reservoirs
- Two (2) State regulated dams
- Two (2) miles of sewer pipelines
- Five (5) community wastewater disposal fields
- Corporation yard and office building

Providing ongoing maintenance and repair, such as repairing or replacing water and wastewater piping, is vital for maintaining the condition of assets. When maintenance and repair is not fully funded, deferred maintenance and capital improvement costs increase significantly. The District has not fully funded maintenance and repair due to tight budgetary constraints and competing priorities for several years. As a result the District now has a multi-million dollar backlog in deferred maintenance of water treatment and distribution system, wastewater collection and disposal system, and District buildings and facilities. Without adequate investment, these deferred maintenance costs will increase significantly over time.

Compounding the problem, as assets continue to deteriorate, the cost of repair exponentially increases and can result in peripheral damage. For example, deferring roof replacement could later result in needing to replace the roof structural members, walls, and floor of a building.

### III. Funding Sources

The Five-Year CIP is funded by various unrestricted and restricted funds. Unrestricted funds are free from external restrictions and can be used for any purpose, as directed by the Board. For example, the District's General Fund is an unrestricted fund. The General Fund is primarily made up of funding from water sales, and property tax revenue. Restricted funds are legally required to be used for a specific purpose. For example, ALT Zone Funds can only be used to fund activities within the wastewater zone. Other examples of restricted funding sources include local, state, and federal grants and loans; and capital facility charges. A detailed description of the various funding sources is presented in the following table.

Funding Source	Description and Restrictions
Capital Reserve	<b>Description:</b>
	These are funds set aside at Board direction to fund capital improvements to the water system. The original source of these funds is water sales, property tax, and other General Fund revenues.
	<b>Restrictions:</b>
	These funds are not legally restricted, however they have been designated by the Board to be used to fund capital improvements to the water system.
ALT WTP Capital Reserve	<b>Description:</b>
	These are funds set aside at Board direction to fund construction of the new ALT Water Treatment Plant. The original source of these funds is water sales, property tax, and other General Fund revenues.
	<b>Restrictions:</b>
	These funds are not legally restricted, however they have been designated by the Board to be used to fund construction of the new ALT Water Treatment Plant.

**CAPITAL IMPROVEMENT PLAN, 2019/2020 to 2023/2024**

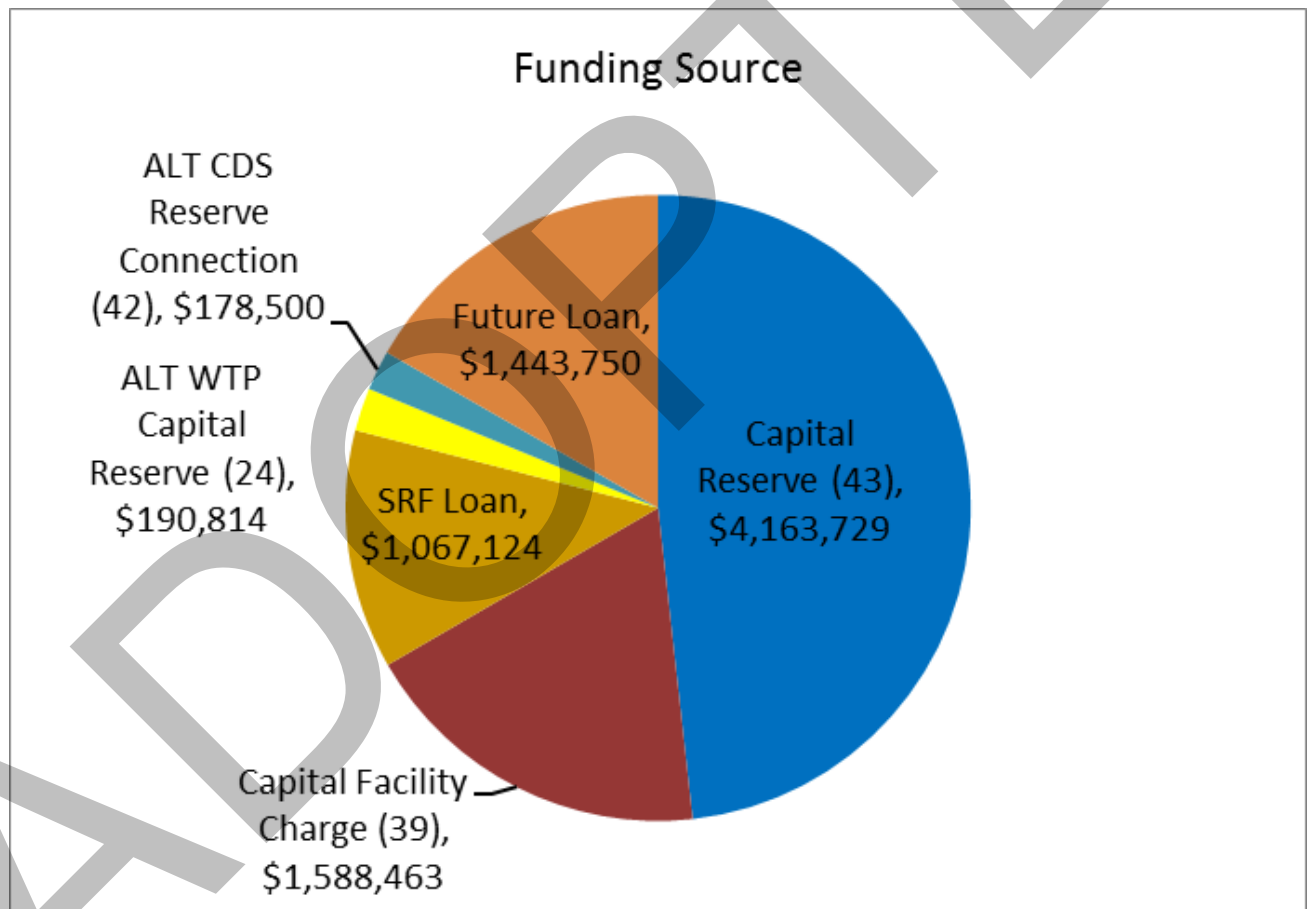
<b>Funding Source</b>	<b>Description and Restrictions</b>
<b>Grant and Loan Funding</b>	<b>Description:</b>
	Some projects are entirely or partially funded by grants, reimbursements, or loans from the State and federal government, as well as other agencies.
	<b>Restrictions:</b>
	Funding restrictions related to grant and loan funding can vary greatly, and each grant will have specific project restrictions related to the funding source.
<b>Capital Facility Charge</b>	<b>Description:</b>
	In 2005, the District retained Stantec to prepare a Capital Facility Charge Study, analyzing the impact of development on certain capital facilities and to calculate impact fees based on that analysis. The methods used to calculate impact fees in the study were intended to satisfy all legal requirements.
	<b>Restrictions:</b>
	By Law impact fees can only be collected to cover the impact of new development on existing infrastructure. Impact fees cannot be used to correct “existing deficiencies”. This fund is used to accumulate funds from new or proposed development to pay for Water System Capital Improvements needed to support new development.
<b>ALT CDS Reserve</b>	<b>Description:</b>
	These funds are collected from properties within the wastewater zone at Auburn Lake Trails subdivision that are connected to the community disposal system (CDS).
	<b>Restrictions:</b>
	Funds collected in this fund can only be used to inspect, monitor, operate, and maintain the wastewater collection and disposal system.

The CIP includes Projects that support the treatment and delivery of water throughout the District, upgrading infrastructure and improvements to existing water system; as well as collection and disposal of wastewater within the Auburn Lake Trails subdivision. The District complies with all applicable local, state and federal regulations related to water and wastewater. Funding for water projects is from water rates, property taxes bonds, grants, and development impact fees. Funding for wastewater projects is from fees collected from properties within the wastewater zone at Auburn Lake Trails subdivision. The table below summarizes the funding source for projects by fiscal year.

# **CAPITAL IMPROVEMENT PLAN, 2019/2020 to 2023/2024**

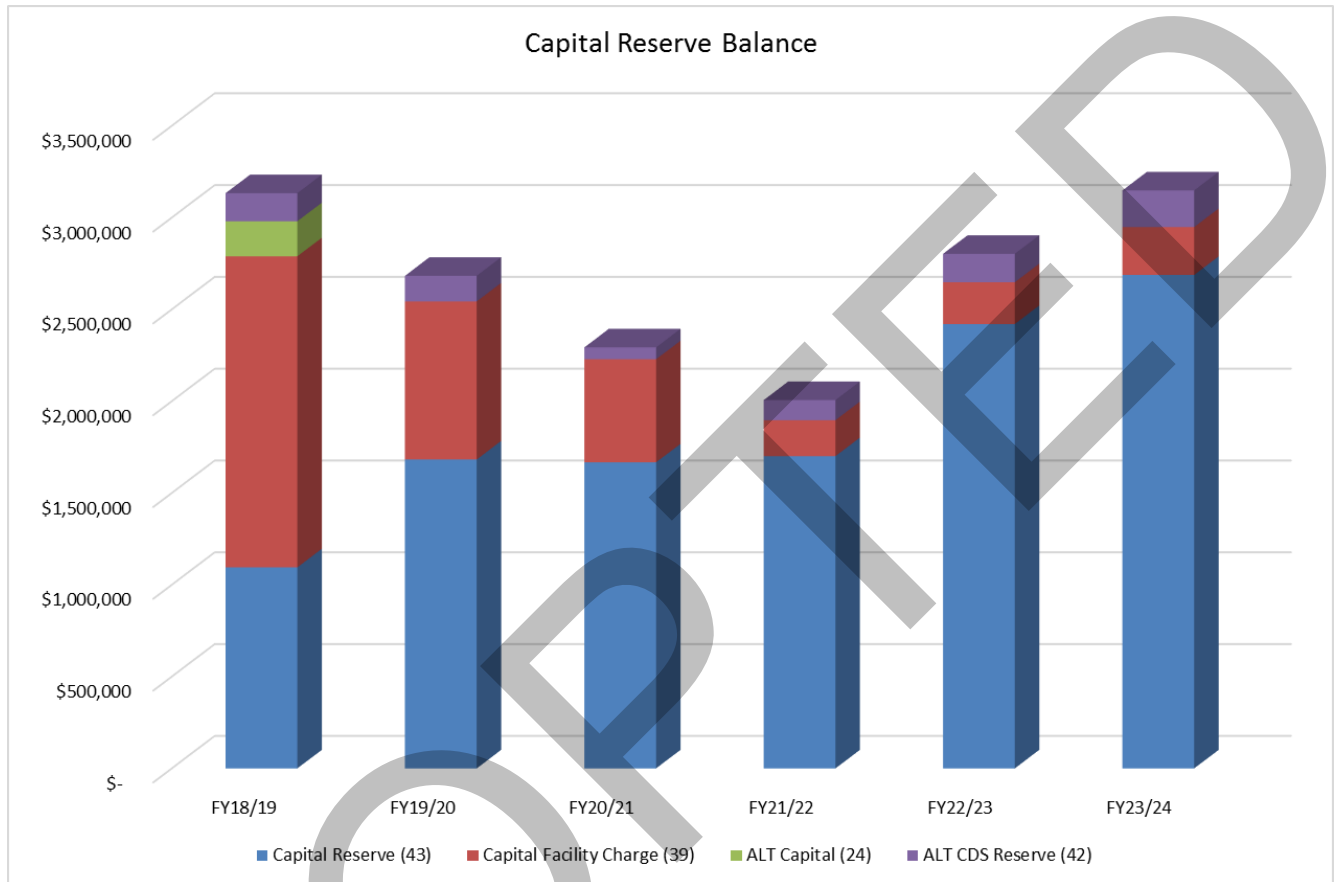
Fund	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	TOTAL 2019-2024
Capital Reserve	\$ 905,185	\$1,039,587	\$1,021,685	\$372,550	\$824,722	\$4,163,729
Capital Facility Charge	\$ 862,500	\$329,213	\$396,750	\$0	\$0	\$1,588,463
ALT WTP Capital Reserve	\$ 190,814	\$0	\$0	\$0	\$0	\$ 190,814
SRF Loan	\$1,067,124	\$0	\$0	\$0	\$0	\$1,067,124
Future Loan	\$0	\$1,443,750	\$0	\$0	\$0	\$1,443,750
ALT CDS Reserve	\$ 58,500	\$ 120,000	\$0	\$0	\$0	\$ 178,500
<b>Total</b>	<b>\$3,084,123</b>	<b>\$2,932,550</b>	<b>\$1,418,435</b>	<b>\$372,550</b>	<b>\$824,722</b>	<b>\$8,632,380</b>

The following chart illustrates funding sources for all five fiscal years in the CIP.



## CAPITAL IMPROVEMENT PLAN, 2019/2020 to 2023/2024

The last chart depicts end of year fund balance projections for capital reserve funds. These are based on Fiscal Year 2018/2019 end of year projected fund balances, and the spending plan as outlined in this CIP.



### IV. Project Summary

Capital improvement projects programmed in the 2019/2020 to 2023/2024 Capital Improvement Plan are listed below. A project is only listed if there is funding programmed during Fiscal Year 2019/20 through Fiscal Year 2023/24. Detailed project costs estimates with expenditure plans for each project listed below are included in Appendix A.

**CAPITAL IMPROVEMENT PLAN, 2019/2020 to 2023/2024**

<b>Project</b>	<b>FY19/20</b>	<b>FY20/21</b>	<b>FY21/22</b>	<b>FY22/23</b>	<b>FY23/24</b>	<b>TOTAL 2019-2024</b>
Upcountry Ditch Rehabilitation	\$ 138,000	\$ 526,500	\$526,500	--	--	\$ 1,191,000
ALT WTP	\$1,257,938	--	--	--	--	\$ 1,257,938
Reservoir & Stream Gauging	\$ 208,460	--	--	--	--	\$ 208,460
Office and Corp Yard Building Roof Repairs	\$ 15,000	--	--	--	--	\$ 30,000
Annual Tank Recoating	\$ 230,000	\$ 261,050	\$ 266,800	\$ 272,550	\$ 278,300	\$ 1,308,700
Repair Safety Walkways	\$ 10,000	--	--	--	--	\$ 10,000
Treated Water Line Replacement	\$ 379,500	--	\$ 396,750	--	\$ 412,850	\$ 1,189,100
2018 Main Canal Reliability	\$ 345,000	--	--	--	--	\$ 345,000
North Fork American River Pumping Plant Evaluation	--	\$ 100,000	--	--	--	\$ 100,000
Meter Replacement	--	\$1,925,000	--	--	--	\$1,925,000
Annual Canal Lining	--	--	\$ 100,000	\$ 100,000	--	\$ 200,000
Old ALT WTP Demolition	\$ 75,000	--	--	--	--	\$ 75,000
Replace Pump Stations	\$ 123,400	--	\$ 128,385	--	\$ 133,572	\$ 385,357
Rehabilitate District Parking Lots	\$ 121,325	--	--	--	--	\$ 121,325
Install Backup Generator	\$ 22,000	--	--	--	--	\$ 22,000
Rebuild Filter at Walton Lake Treatment Plant	\$ 100,000	--	--	--	--	\$ 100,000
Engineering Evaluation of CDS Field	\$ 48,500	--	--	--	--	\$ 48,500
Manhole Sealing	\$ 10,000	--	--	--	--	\$ 10,000
Wastewater Lift Station Upgrade	--	\$ 120,000	--	--	--	\$ 120,000
<b>Total</b>	<b>\$3,084,123</b>	<b>\$2,932,550</b>	<b>\$1,418,435</b>	<b>\$ 372,550</b>	<b>\$ 824,722</b>	<b>\$8,632,880</b>

APPENDIX A

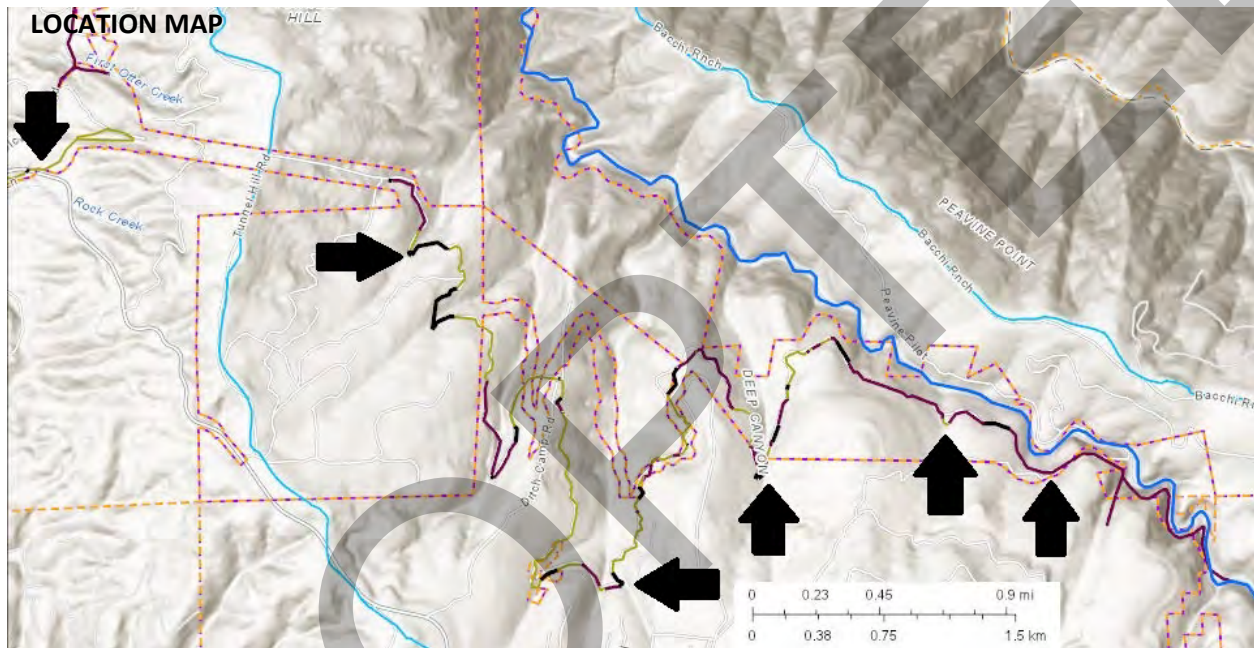
ADOPTED

**PROJECT NAME:** Reservoir and Stream Gauging

**PROJECT NUMBER:** 911

**PROJECT DESCRIPTION:**

This Project will install necessary gages located at direct diversions to comply with Senate Bill 88. The bill requires all water rights holders to measure and report use of diversions. This Project includes contracting development of engineering plans and construction.



**PHOTOS**

Project Name: Reservoir and Stream Gauging Improvements  
 Project Number: 911  
 Project Description: Improve gauging of direct diversions and storage as required by SB88  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)	26,500	208,460						234,960
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)								0
Unfunded								0
Total	26,500	208,460	0	0	0	0	0	234,960

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)	8,100	8,000						16,100
Environmental (7021)		41,650						41,650
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)	2,400	33,060						35,460
Construction Contract (7023)	16,000	125,750						141,750
Other CIP Costs (7025)								0
Other - TBD								0
Total	26,500	208,460	0	0	0	0	0	234,960

**PROJECT NAME:** Annual Tank Recoating

**PROJECT NUMBER:** 914

**PROJECT DESCRIPTION:**

This Project will recoat the interior and exterior of one of ten treated water storage tanks. For Fiscal Year 2019/2020, the District plans on recoating the Spanish Dry Diggins Tank. This is an important maintenance technique to prolong the life of a critical piece of District infrastructure

**LOCATION MAP**



**PHOTOS**



Project Name: Annual Tank Recoating  
 Project Number: 914  
 Project Description: Recoat interior and exterior of water storage tank  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		230,000	261,050	266,800	272,550	278,300		1,308,700
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	230,000	261,050	266,800	272,550	278,300	0	1,308,700

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		0	0	0	0	0		0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)		30,000	30,000	31,000	32,000	33,000		156,000
Construction Contract (7023)		170,000	197,000	201,000	205,000	209,000		982,000
Other CIP Costs (7025)		30,000	34,050	34,800	35,550	36,300		170,700
Other - TBD								0
Total	0	230,000	261,050	266,800	272,550	278,300	0	1,308,700

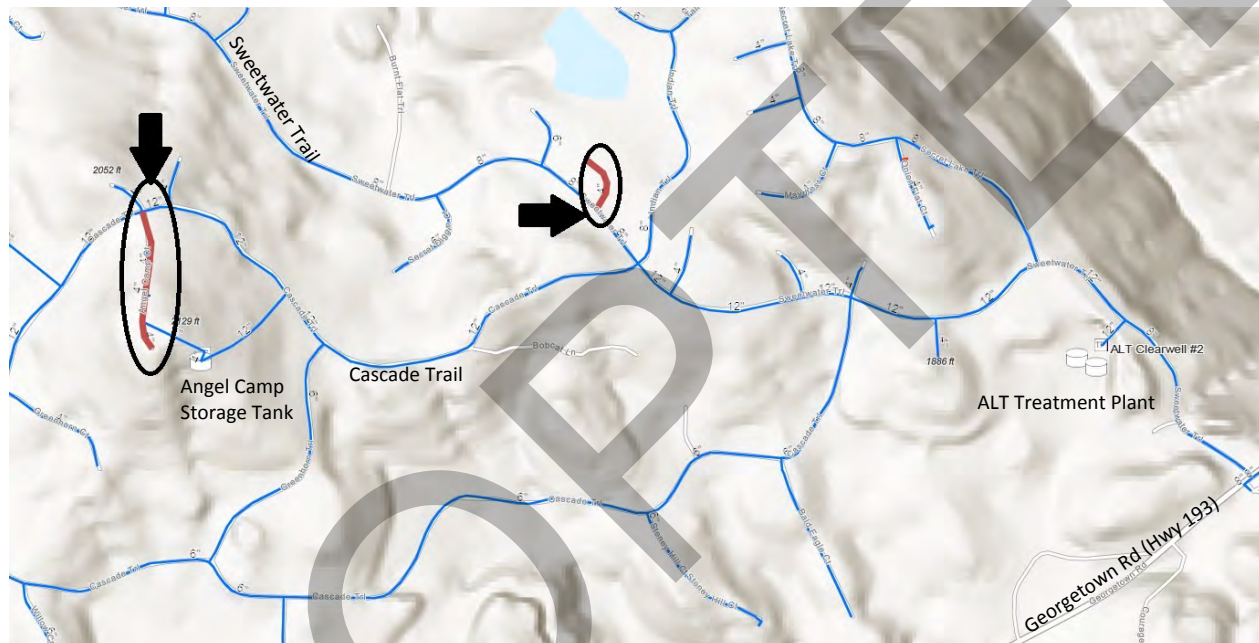
**PROJECT NAME:** 2018 Treated Water Line Replacement/Rehab

**PROJECT NUMBER:** 922

**PROJECT DESCRIPTION:**

This Project will replace and rehabilitate treated water lines in Kit Fox Court and Angel Camp Court (approximately 1,350 linear feet). These water lines have experienced a higher than expected rate of breakage. Staff has also determined that much of these water lines materials and bedding do not meet current engineering and construction standards.

**LOCATION MAP**



**PHOTOS**



05/30/2019



**PROJECT NAME:** Annual Treated Water Line Replacement/Rehab

**PROJECT NUMBER:** TBD

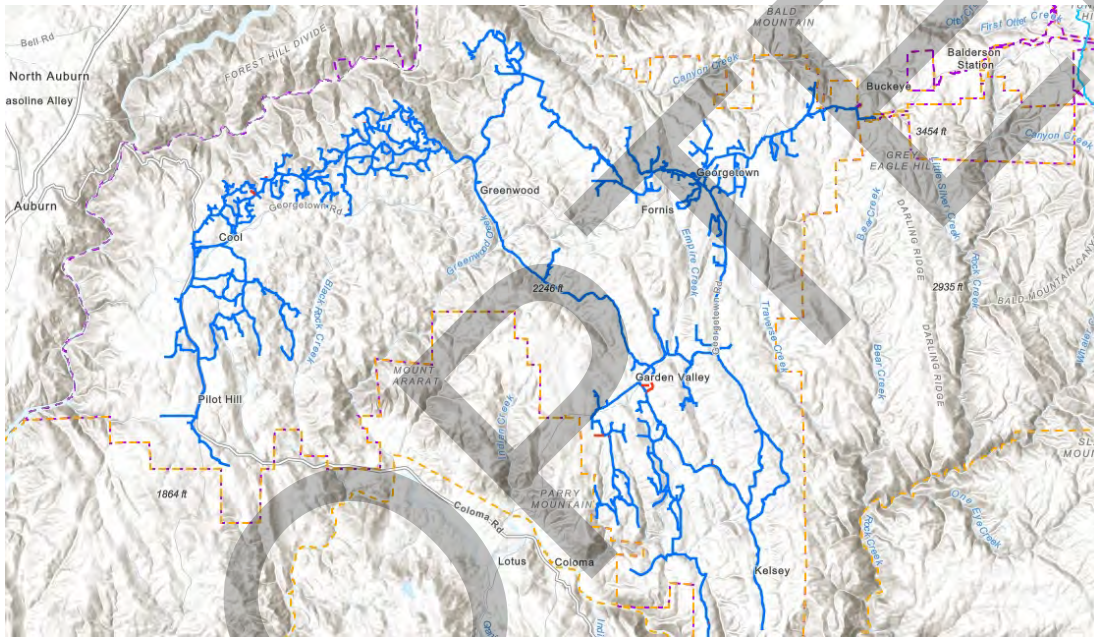
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**PROJECT DESCRIPTION:**

This Project will annually replace or rehabilitate treated water lines. Water line selection will be based on recent failure rate, criticality of facility, pipe material, pipe age, and available funding. No water lines are planned for Fiscal Year 2019/2020.

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**LOCATION MAP**



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**PHOTOS**

Project Name: 2018 Treated Water Line Replacement/Rehab  
 Project Number: 922  
 Project Description: Prioritized replacement or rehabilitation of treated water lines  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)						412,850		412,850
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)		379,500		396,750				776,250
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)								0
Unfunded								0
Total	0	379,500	0	396,750	0	412,850	0	1,189,100

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		60,000		63,000		65,000		188,000
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)		30,000		32,000		34,000		96,000
Construction Contract (7023)		240,000		250,000		260,000		750,000
Other CIP Costs (7025)		49,500		51,750		53,850		155,100
Other - TBD								0
Total	0	379,500	0	396,750	0	412,850	0	1,189,100

**PROJECT NAME:** 2018 Main Canal Reliability

**PROJECT NUMBER:** 924

**PROJECT DESCRIPTION:**

This Project will line a section of the Main Ditch identified as a priority segment in the 2002 Water System Reliability Study by KASL Engineering Consultants. This section of the Main Ditch delivers raw water to the Auburn Lake Trails Treatment Plant and irrigation water customers. It is an earthen canal that is prone to erosion and leakage. Anticipated improvement is to gunite or reinforce 2,500 linear feet of ditch between Spanish Dry Diggins Road to Taylor Mine Outlet.

**LOCATION MAP**



**PHOTOS**



Project Name: 2018 Main Canal Reliability  
 Project Number: 924  
 Project Description: Prioritized repair and lining of Main Canal  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)								0
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)		345,000						345,000
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)		0						0
Unfunded								0
Total	0	345,000	0	0	0	0	0	345,000

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		54,000						54,000
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)		30,000						30,000
Construction Contract (7023)		216,000						216,000
Other CIP Costs (7025)		45,000						45,000
Other - TBD								0
Total	0	345,000	0	0	0	0	0	345,000

**PROJECT NAME:** North Fork American River Pumping Plant

**PROJECT NUMBER:** TBD

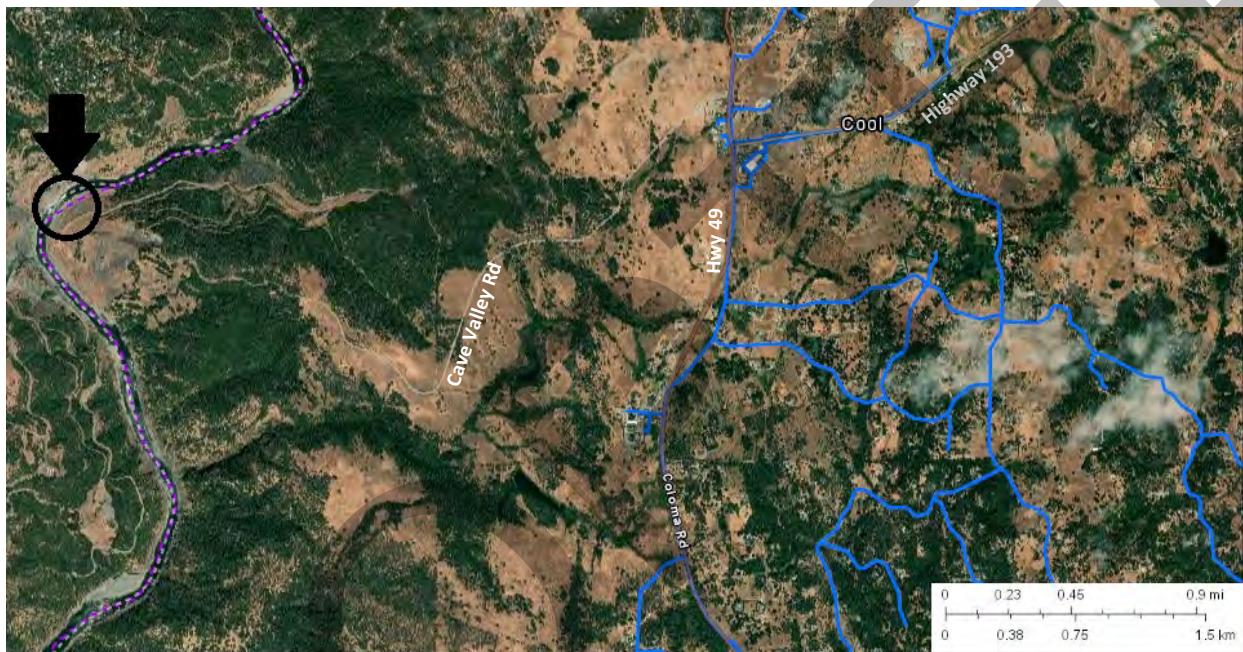
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**PROJECT DESCRIPTION:**

This Project would provide the District an alternative source of water in the case of drought or failure of the raw water conveyance from Stumpy Meadows Reservoir. The Project would provide the ability to draw water from the American River. This option was reviewed in the 2009 Options to Increase Water Supply study by California Water Consulting. The first phase of this Project includes a water rights analysis, conceptual engineering design, and evaluation of capital and operating costs.

**LOCATION MAP**

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**PHOTOS**

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**Project Name:** North Fork American River Pumping Plant Evaluation  
**Project Number:**  
**Project Description:** Construct infrastructure needed to draw water from NF American River  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)			100,000					100,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)								0
Unfunded							28,500,000	28,500,000
Total	0	0	100,000	0	0	0	28,500,000	28,600,000

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)			100,000				1,900,000	2,000,000
Environmental (7021)							1,000,000	1,000,000
Land/ROW Acquisition (7022)							5,000,000	5,000,000
Construction Engineering (7024)							1,500,000	1,500,000
Construction Contract (7023)							19,100,000	19,100,000
Other CIP Costs (7025)								0
Other - TBD								0
Total	0	0	100,000	0	0	0	28,500,000	28,600,000

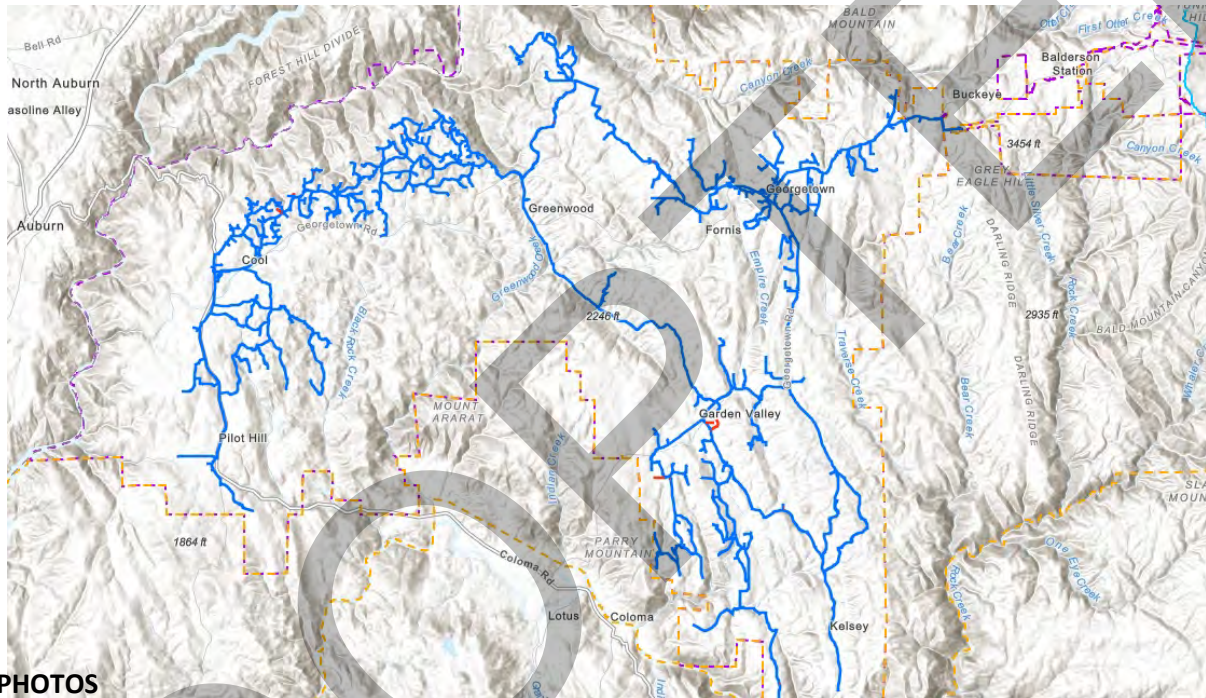
**PROJECT NAME:** Automated Meter Reading and Meter Replacement

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

This Project will replace all meters and upgrade the District to an automated meter reading system. District currently reads meters manually with pen and paper, which takes a large amount of staff time and is susceptible to weather and human error. A 2014 Meter Accuracy and Related Water Loss Study reported that the majority of the residential meters were over 26 years old, reading with 92% accuracy, and losing 0.25% accuracy per year. New meters read at 98.5% or better.

**LOCATION MAP**



**PHOTOS**

**Project Name:** Automated Meter Reading and Meter Replacement Project  
**Project Number:**  
**Project Description:** Replace meters and install automated meter reading hardware and software  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)			481,250					481,250
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Loan / TBD			1,443,750					1,443,750
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1,925,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,925,000</b>

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)								0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)			150,000					150,000
Construction Contract (7023)			1,738,000					1,738,000
Other CIP Costs (7025)			37,000					37,000
Other - TBD								0
<b>Total</b>	<b>0</b>	<b>0</b>	<b>1,925,000</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>1,925,000</b>

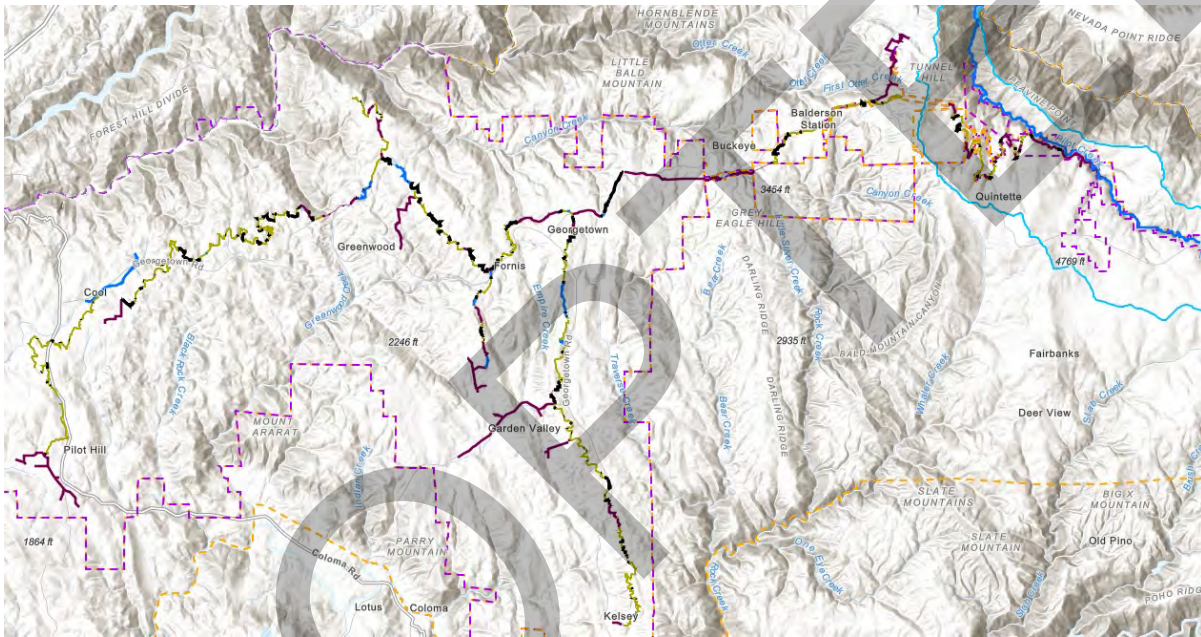
**PROJECT NAME:** Annual Canal Lining

**PROJECT NUMBER: TBD**

### PROJECT DESCRIPTION:

This Project will line repair and line short segments of canals and ditches as funds are available. No work is planned for Fiscal Year 2019/2020.

## LOCATION MAP



## PHOTOS

Project Name: Annual Canal Lining  
 Project Number:  
 Project Description: Prioritized repair and lining of canals and ditches  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)				100,000	100,000			200,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)	40,000							40,000
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)		0						0
Unfunded								0
Total	40,000	0	0	100,000	100,000	0	0	240,000

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)								0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)	40,000			100,000	100,000			240,000
Other CIP Costs (7025)								0
Other - TBD								0
Total	40,000	0	0	100,000	100,000	0	0	240,000

**PROJECT NUMBER: TBD**

This Project will improve a section of the Main Ditch identified as a priority segment in the 2002 Water System Reliability Study by KASL Engineering Consultants. This is a segment of the only conveyance facility that delivers raw water from Stumpy Meadows Reservoir to both water treatment plants and irrigation water customers. It is an earthen canal that is prone to slope failures and leakage. Anticipated improvement is to stabilize the adjacent slope and replace 250 feet of earthen canal with a pipe.

A topographic map of the Mullan Canyon area in Utah. The map shows the Mullan Canyon road (dashed orange line) and the Bacchi River (blue line). The Sweet Pea area is also visible. Elevation markers include 4055 ft, 4368 ft, 4540 ft, and 4776 ft. A large black arrow points to the Mullan Canyon road, and a circular icon with a black arrow points to the Bacchi River. A large 'X' is drawn over the map.

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**Project Name:** Upcountry Ditch Reliability  
**Project Number:**  
**Project Description:** Prioritized repair of Upcountry Ditch  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)			197,287	526,500				723,787
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)		138,000	329,213					467,213
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)								0
Unfunded								0
Total	0	138,000	526,500	526,500	0	0	0	1,191,000

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		95,000						95,000
Environmental (7021)		43,000						43,000
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)			25,000	25,000				50,000
Construction Contract (7023)			476,500	476,500				953,000
Other CIP Costs (7025)			25,000	25,000				50,000
Other - TBD								0
Total	0	138,000	526,500	526,500	0	0	0	1,191,000

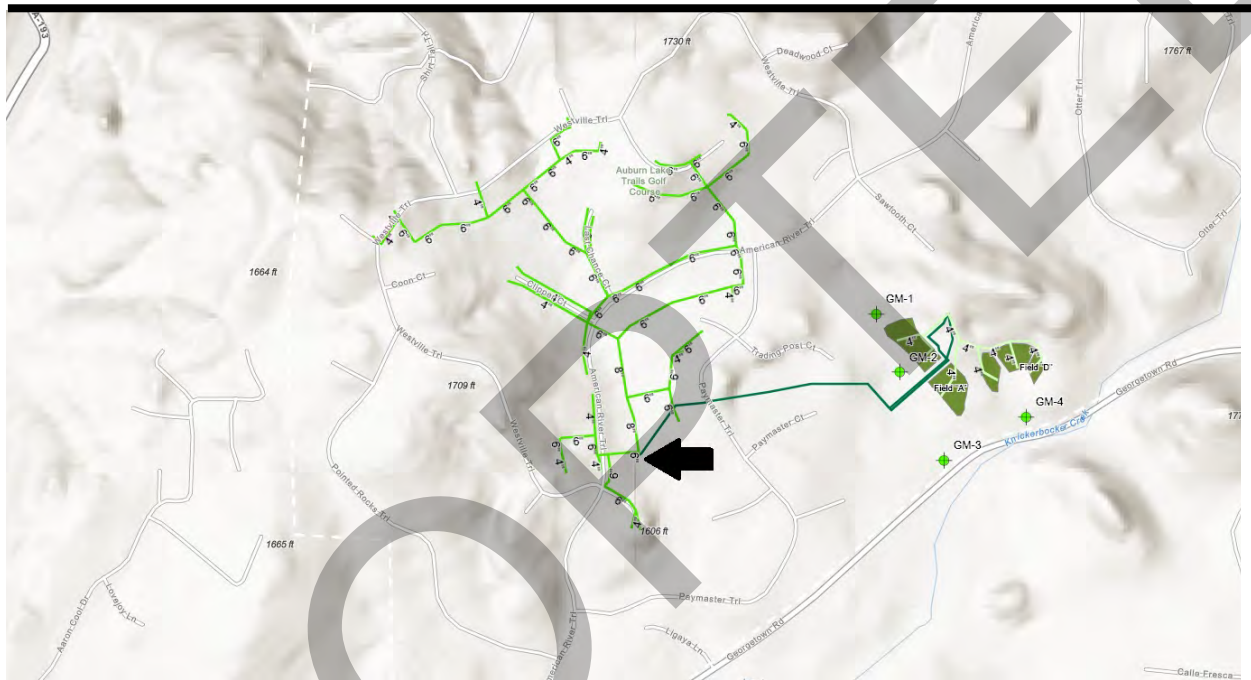
**PROJECT NAME:** Wastewater Lift Station Upgrade

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

This Project will upgrade the wastewater lift station in the Auburn Lake Trails Wastewater Zone by replacing the structure and worn out components. No funding is proposed for Fiscal Year 2019/2020.

**LOCATION MAP**



**PHOTOS**



Project Name: Wastewater Lift Station Upgrade

Project Number:

Project Description: Upgrade wastewater lift station by replacing worn out components & structure

Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	Ffy23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)								0
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)			120,000					120,000
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	0	120,000	0	0	0	0	120,000

Project Cost Estimate:

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	Ffy23/24	Future Years	Total
Preliminary Engineering (7020)			12,000					12,000
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)			6,000					6,000
Construction Contract (7023)			102,000					102,000
Other CIP Costs (7025)								0
Other - TBD								0
Total	0	0	120,000	0	0	0	0	120,000

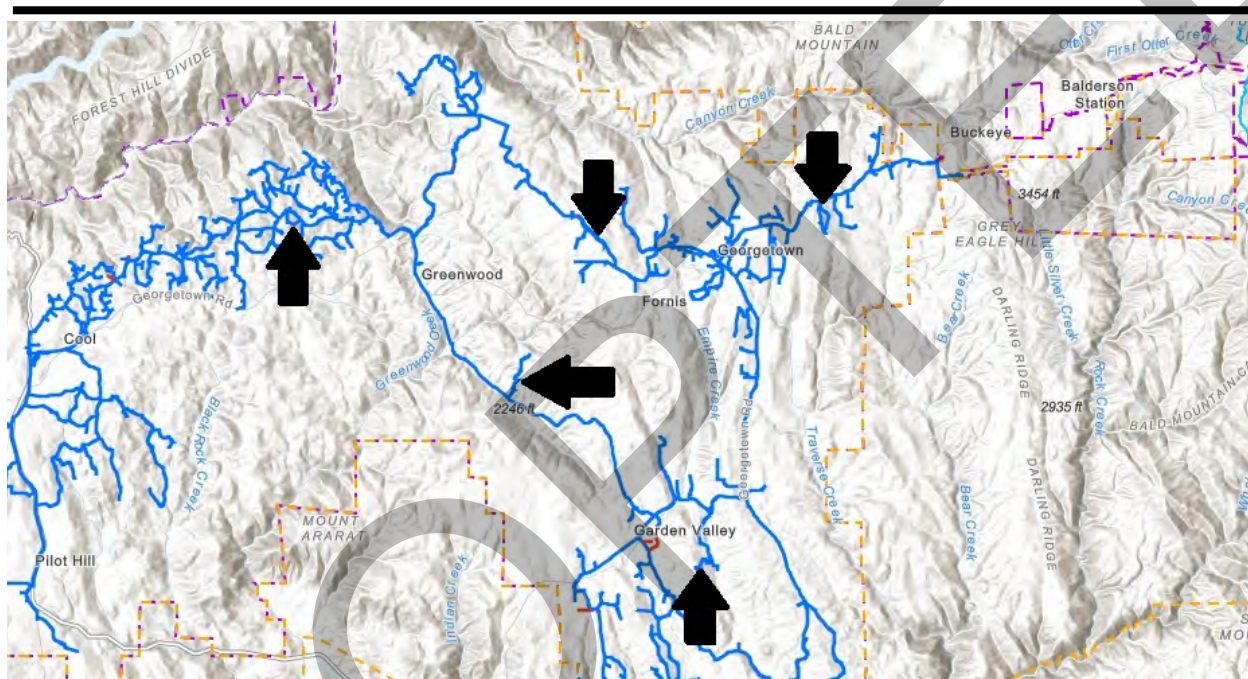
**PROJECT NAME:** Replace Pump Stations

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

This Project will replace pump stations on Chipmunk Road, Irish Lane, Black Ridge Road, Reservoir Road, Angel Camp Court that are nearing the end of their useful life. Pump station structures, electrical, and communication systems are beginning to fail. Structures and components will be replaced as necessary to provide improved service.

**LOCATION MAP**



**PHOTOS**



05/30/2019



A-20 of 33

Project Name: Replace Pump Stations  
 Project Number: TBD  
 Project Description: Replace pump stations that have reached the end of their useful life  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		123,400		128,385		133,572	283,551	668,909
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	123,400	0	128,385	0	133,572	283,551	668,909

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		10,000		10,404		10,824	22,978	54,207
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)		106,000		110,282		114,738	243,569	574,589
Other CIP Costs (7025)		7,400		7,699		8,010	17,004	40,113
Other - TBD								0
Total	0	123,400	0	128,385	0	133,572	283,551	668,909

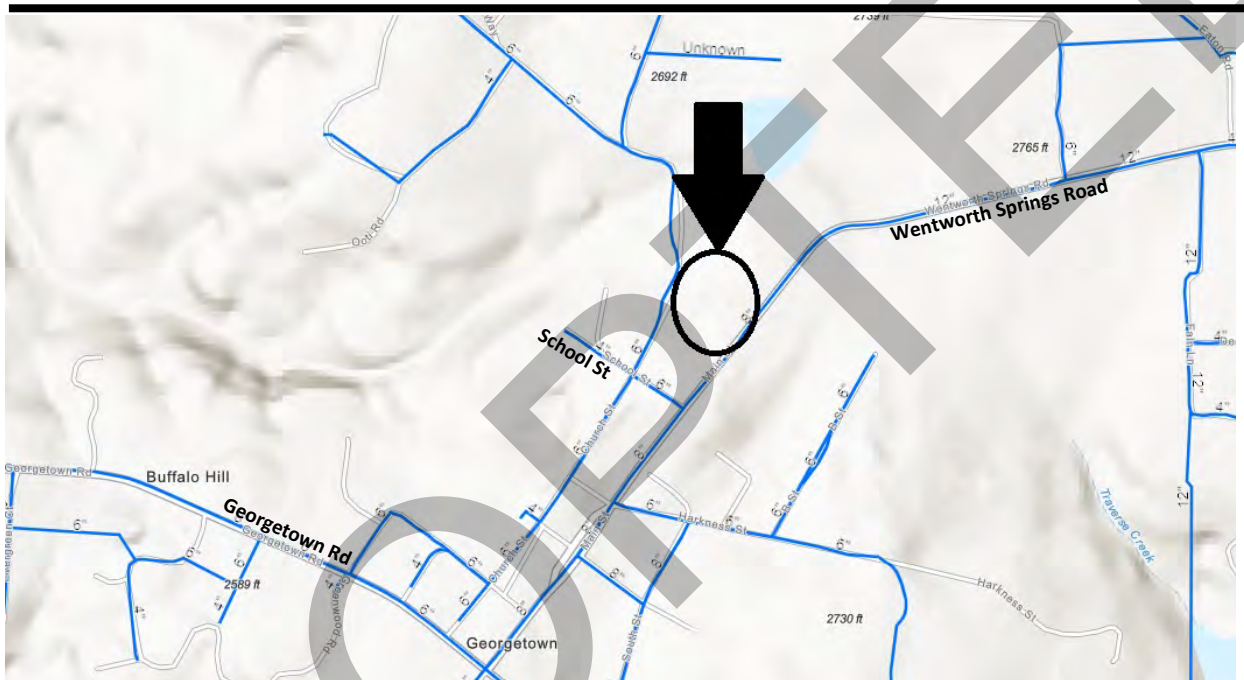
**PROJECT NAME:** District Office Parking Lot Rehabilitation

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

This Project will rehabilitate asphalt paving in the front and rear parking lots at the District office. The parking lots are in a state of severe disrepair. The rear parking lot likely will require complete reconstruction. The front parking lot is assumed to need an asphalt overlay. ADA accessible parking and path of travel will be provided in the front parking lot.

**LOCATION MAP**



**PHOTOS**



**Project Name:** District Office Parking Lot Rehabilitation  
**Project Number:** TBD  
**Project Description:** Rehabilitate the asphalt paving in front and rear parking lots.  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		121,325					10,000	131,325
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	121,325	0	0	0	0	10,000	131,325

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		21,665						21,665
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)		6,500						6,500
Construction Contract (7023)		86,660					10,000	96,660
Other CIP Costs (7025)		6,500						6,500
Other - TBD								0
Total	0	121,325	0	0	0	0	10,000	131,325

**Project Name:** Office and Corporation Yard Roof Repair  
**Project Number:** 912  
**Project Description:** Repair roofs of the office building and shop building at the corporation yard  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		15,000						15,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other (EDCWA Cost Share)								0
Unfunded								0
<b>Total</b>	0	15,000	0	0	0	0	0	15,000

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		5,000						5,000
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)		25,000						25,000
Other CIP Costs (7025)								0
Other - TBD								0
<b>Total</b>	0	30,000	0	0	0	0	0	30,000

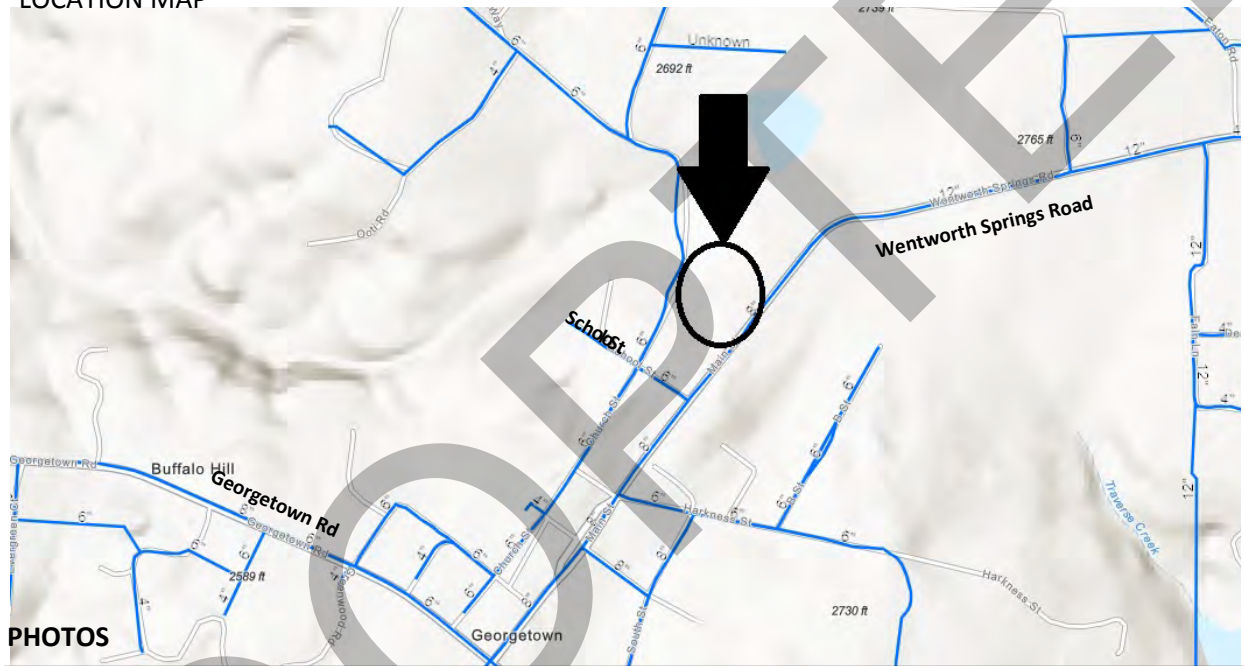
**PROJECT NAME:** Install Backup Generator at the District Office

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

The District frequently loses power during the fall and winter due to failure and shutdown of the public electrical grid. These outages can last multiple days in a row. This results in the District office unable to provide customer service during these times, and results in an unsafe environment for District employees. This Project will provide the office with a backup source of electricity

**LOCATION MAP**



Project Name: Install Backup Generator at the Office  
 Project Number: TBD  
 Project Description: Install backup generator at the District office for power outages  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		22,000					0	22,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	22,000	0	0	0	0	0	22,000

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)								0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)		20,000						20,000
Other CIP Costs (7025)		2,000						2,000
Other - TBD								0
Total	0	22,000	0	0	0	0	0	22,000

**PROJECT NAME:** Decommission Old Auburn Lake Trails Water Treatment Plant

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

This Project will remove structures and components at the Old Auburn Lake Trails Water Treatment Plant that are no longer needed due to construction of the new water treatment plant. Decommissioning cost will be offset by salvaging old equipment when practical.

**LOCATION MAP**



**PHOTOS**



Project Name: Old ALT Water Treatment Plant Demolition  
 Project Number: TBD  
 Project Description: Remove Unneeded Structures & Components of Old Water Treatment Plant  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		75,000						75,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	75,000	0	0	0	0	0	75,000

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		5,000						5,000
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)		5,000						5,000
Construction Contract (7023)		60,000						60,000
Other CIP Costs (7025)		5,000						5,000
Other - TBD								0
Total	0	75,000	0	0	0	0	0	75,000

**PROJECT NAME:** Rebuild Filter No.3 at Walton Water Treatment Plant

**PROJECT NUMBER:** TBD

**PROJECT DESCRIPTION:**

Filter number 3 at Walton Water Treatment Plant is showing signs that it needs to be rebuilt. Filters are a critical component of the treatment process and failure can lead to the inability to produce water suitable for consumption.

**LOCATION MAP**



**PHOTOS**



**Project Name:** Rebuild Filter No. 3 at Walton Water Treatment Plant  
**Project Number:** TBD  
**Project Description:** Filter No. 3 needs rebuilding before it fails  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		100,000					0	100,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
<b>Total</b>	0	100,000	0	0	0	0	0	100,000

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)								0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)		25,000						25,000
Construction Contract (7023)		70,000						70,000
Other CIP Costs (7025)		5,000						5,000
Other - TBD								0
<b>Total</b>	0	100,000	0	0	0	0	0	100,000

Project Name: Repair Safety Walkways  
 Project Number: 916  
 Project Description: Repair and replace prioritized safety walkways thought District  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)		10,000						10,000
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)								0
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	10,000	0	0	0	0	0	10,000

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)								0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)								0
Other CIP Costs (7025)		10,000						10,000
Other - TBD								0
Total	0	10,000	0	0	0	0	0	10,000

Project Name: 2017 Manhole Sealing  
 Project Number: 917  
 Project Description: Prioritized sealing of wastewater manholes  
 Funding Sources:

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)								0
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)	5,000	10,000						15,000
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	5,000	10,000	0	0	0	0	0	15,000

*Project Cost Estimate:*

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)								0
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)	5,000	10,000						15,000
Other CIP Costs (7025)								0
Other - TBD								0
Total	5,000	10,000	0	0	0	0	0	15,000

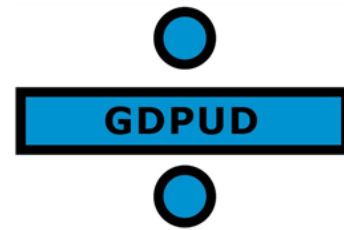
**Project Name:** CDS Field Evaluation & Upgrades  
**Project Number:** TBD  
**Project Description:** Evaluate future need for CDS field upgrades  
**Funding Sources:**

Sources	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
CABY Grant (9)								0
Capital Reserve (43)							0	0
Prior Reimbursements Received (35)								0
Capital Facility Charge (39)								0
ALT WTP Capital Reserve (24)								0
ALT Zone Fund (40)								0
ALT Tank Replacement Loans & Repair (41)								0
ALT CDS Reserve Connection (42)		48,500						48,500
Grants (EPA)								0
SRF Loan								0
General Fund (10)								0
Other								0
Unfunded								0
Total	0	48,500	0	0	0	0	0	48,500

**Project Cost Estimate:**

Elements	Prior Years	FY19/20	FY20/21	FY21/22	FY22/23	FY23/24	Future Years	Total
Preliminary Engineering (7020)		48,500						48,500
Environmental (7021)								0
Land/ROW Acquisition (7022)								0
Construction Engineering (7024)								0
Construction Contract (7023)								0
Other CIP Costs (7025)								0
Other - TBD								0
Total	0	48,500	0	0	0	0	0	48,500

**REPORT TO THE BOARD OF DIRECTORS  
BOARD MEETING OF November 10, 2020  
AGENDA ITEM NO. 8.B.**



**AGENDA SECTION: NEW BUSINESS**

**SUBJECT: REVIEW AND APPROVE FY 2020/2021 CAPITAL IMPROVEMENT PLAN**

**PREPARED BY:** Darrell Creeks - Operations Manager, Adam Brown – Water Resources Manager and Jeff Nelson - Interim General Manager

**APPROVED BY:** Jeff Nelson, Interim General Manager

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**BACKGROUND**

At the Regular Board meeting on August 11<sup>th</sup>, 2020, Staff presented a Capital Improvement Program (CIP) that included ten projects. Seven of the projects were to be funded by Fund 43, the Capital Reserve Fund for water system related capital improvement projects. Due to limited funds available in Fund 43, staff recommended that the board approve only three of the seven projects at that time. These three projects, along with three other projects recommended by staff, and funded by other reserve funds, were approved in Resolution 2020-38. Of the six approved projects, two have been completed (Office/Corp Yard Roof Repair and Walton Filter 3 Rebuild) and one is nearing completion (Gaging Project).

Staff also recommended during the August 11<sup>th</sup>, 2020 Board meeting to wait until the temporary water transfer and year-end financial close were completed and the verification/availability of any surplus funds for transferring into Fund 43 is determined before recommending a funding source for the other proposed projects. Once the availability of funds from Fund 43 is confirmed after the FY financial closeout and temporary water transfer, staff was to make a recommendation to Board regarding funding for the remaining capital improvement projects, likely in November. Based on our evaluation, staff is now recommending the Board of Directors approve three additional water system CIP projects and increase the funding of one of the three projects approved as part of Resolution 2020-38, due higher than expected project costs.

**DISCUSSION**

The updated CIP projects proposed for this FY are summarized on Table 1, seen below. The total estimated cost of capital improvement projects proposed for this FY is \$1,411,000 with \$1,261,000 for water system improvement projects and \$150,000 for CDS/wastewater system improvement projects.

Typically, CIP projects are either funded out of Fund 43 (water system related projects) or funds 42 (CDS wastewater related projects). Fund 43 generally is replenished annually from surplus revenues from the operating or General Fund (Fund 10), once the Fund 10 balance is verified after the year end close and adjustments to the General Ledger financial statements (usually October/November of each year). Based on year end financials, it is

estimated that if the Board wishes to maintain an operating reserve to cover 120-days of operation, a transfer of approximately \$1,000,050 can be made from the Operating Fund (Fund 10) to Fund 43. If the Board chooses to maintain an operating reserve to cover 180 days of operation, the amount of funds available for transfer from Fund 10 to Fund 43 will be approximately \$182,956. The recommendation included in this report assumes the Board will wish to maintain a 180-day operating reserve, and approximately \$182,956 will be transferred from Fund 10 to Fund 43.

On September 30, 2020 the District completed the 2020 Temporary Water Transfer resulting in additional net revenue of \$600,000 to the District. As directed by the Board of Directors, these funds will be deposited into Fund 43 to fund the water system CIP.

### **FISCAL IMPACT**

The updated CIP program for this FY proposed in this report includes three new projects and additional funding for one project previously approved, for a total of 10 projects as shown on Table 1, below. Projects that have already been approved by Resolution 2020-38 are denoted with an asterisk and **bold** represent updated/new projects. Previously approved CIP projects totaled \$682,000. Costs associated with the new and revised cost projects staff are seeking approval for are estimated to be \$766,000. Removing the costs associated with the water Meter Replacement Program and adjustment of substantially completed projects, the total cost of the proposed CIP projects proposed for this year is \$1,411,000.

- **Old ALT WTP Demolition** (Estimated Cost - \$115,000) will be funded by Fund 43 to remove unneeded structures & components of the decommissioned Auburn Lake Trails Treatment Plant.
- **Parking Lot Resurfacing** (Estimated Additional Cost - \$182,600) will be funded by Fund 43. A preliminary engineering evaluation found parking areas in serious disrepair. This project includes the removal of existing pavement from the front and rear parking areas. The area will be graded, ADA accessible parking will be created and marked, trees and vegetation will be removed, and the graded area will be paved (see attached figure).
- **Annual Tank Recoating** (Estimated Cost - \$210,000) will be funded by Fund 43 to clean and re-coat Kelsey Storage Tank.
- **Pump Station Replacement** (Estimated Cost – \$123,400) will be funded by Fund 43 to replace pump stations located at Reservoir Road and Hotchkiss Hill Road.
- **Master Plan/System Assessment** (Estimated Cost - \$250,000) will be funded by Fund 43 to prepare a comprehensive document update to 2002 KASL Report detailing system deficiencies and vulnerabilities. The document will be used as a CIP planning document for the District.

**Table 1 – FY 20/21 CIP Project List**

<b>Project</b>	<b>Estimated Cost</b>	<b>Previously Approved</b>	<b>Fund 08 (SMUD)</b>	<b>Fund 43 (Cap Res)</b>	<b>Fund 42 (CDS Fund)</b>
Reservoir & Stream Gaging*	\$122,000	\$122,000	\$122,000	--	--
Office and Corp Yard Building Roof Repairs*	\$92,000	\$85,000	--	\$92,000	--
<b>Annual Tank Recoating</b>	\$210,000		--	\$210,000	--
<b>Master Plan update/System Assessment</b>	\$250,000		--	\$250,000	--
Old ALT WTP Demolition*	\$115,000	\$115,000	--	\$115,000	--
<b>Replace Pump Stations</b>	\$123,400		--	\$123,400	--
<b>Repaving of District Parking Lots</b>	\$292,600	\$110,000	--	\$292,600	--
Rebuild Filter at Walton Lake Treatment Plant*	\$56,000	\$100,000	--	\$56,000	--
Wastewater Lift Station Upgrade*	\$150,000	\$150,000	--	--	\$150,000
<b>Total</b>	<b>\$1,411,000</b>	<b>\$682,000</b>	<b>\$122,000</b>	<b>\$1,139,000</b>	<b>\$150,000</b>
Substantially Completed <sup>1</sup>			\$17,172	\$148,000	
Current fund balance <sup>2</sup>	-		\$250,000	\$703,624	\$213,383
Deposits/Transfer <sup>3</sup>				\$782,956	\$45,000
Estimated Remaining fund balance	-		\$128,000	\$347,580	\$108,383

**Notes:**<sup>1</sup> – Includes Office/Corp Roof Repair, Walton Filter Rebuild and Gaging Project<sup>2</sup> -Balance as of July 1, 2020<sup>3</sup> – Includes \$600**Bold indicates new funding request**

Previously approved CIP funding totaled \$682,000. The proposed funding of the entire CIP totals \$1,411,000. The proposed amount to complete the additional CIP projects and adjusted cost total **\$729,000**.

**CEQA ASSESSMENT**

Each individual project will be assessed to determine if it is subject to a separate CEQA review and assessment.

**RECOMMENDED ACTION**

Staff propose the Board approve funding for the following capital improvement projects as well as an increase in funding for one project, as follows:

- **Repaving of District Parking Lot** (\$182,600);
- **Pump Station Replacement** (\$123,400);
- **Annual Tank Coating** (\$210,000); and
- **Master Plan/System Assessment** (\$250,000).

**ATTACHMENTS**

- 1) Figure showing District Office Parking Pavement Area
- 2) Resolution 2020-XX

**AGENDA ITEM 8.B.**

**Attachment 1**

**District Office Parking Area**

Parking Pavement Area



Google Earth

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**AGENDA ITEM 8.B.**  
**Attachment 2**  
**RESOLUTION 2020-XX**

**RESOLUTION NO. 2020-XX**  
**OF THE BOARD OF DIRECTORS OF THE**  
**GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT**  
**APPROVING THE UPDTAED PROPOSED FISCAL YEAR 2020/21 CAPITAL**  
**IMPROVEMENT PROGRAM**

**WHEREAS**, the District facilities require regular maintenance, rehabilitation, and/or upgrades to existing facilities, and District operations require the periodic addition of new facilities/infrastructure to meet operational objectives; and

**WHEREAS**, District staff have reassessed and reprioritized projects for this fiscal year based on operational needs, engineering analysis, District priorities, projected revenues and applicable Reserve Funds balances, and projected project costs; and,

**WHEREAS**, the Capital Improvements are necessary to allow the District to meet its operational goals and responsibilities to rate payers, while staying in compliance with local, State and Federal regulations; and,

**WHEREAS**, District are recommending funding the updated Capital Improvement Projects proposed for FY 2020/21,

**WHEREAS**, District has completed Temporary Water Transfer and analysis of reserve accounts to fund FY 2020/21 Capital Improvement Projects.

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF DIRECTORS OF THE GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT THAT THE FUNDING FOR THE PROPOSED CAPITAL IMPROVEMENT PROJECTS FOR FY 2020/21 ARE APPROVED.**

**PASSED AND ADOPTED** by the Board of Directors of the Georgetown Divide Public Utility District at a meeting of said Board held on the 10th day of November 2020, by the following vote:

AYES:

NOES:

ABSENT/ABSTAIN:

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Dave Souza President, Board of Directors  
GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

*Attest:*

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Jeff Nelson, Clerk and Ex officio  
Secretary, Board of Directors  
GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT

### **CERTIFICATION**

I hereby certify that the foregoing is a full, true and correct copy of Resolution 2020-XX duly and regularly adopted by the Board of Directors of the Georgetown Divide Public Utility District, County of El Dorado, State of California, on this 10th day of November 2020.

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Jeff Nelson, Clerk and Ex officio  
Secretary, Board of Directors  
GEORGETOWN DIVIDE PUBLIC UTILITY DISTRICT