CAPITAL IMPROVEMENT PROGRAM

FY 2026-31

BOARD OF DIRECTORS

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TABLE OF CONTENTS

LIST OF FIGURES AND TABLES

APPENDICES

Overview

The Calaveras Public Utility District's (District) FY 2026–2031 Five-Year Capital Improvement Program (CIP) identifies and prioritizes capital investments in water system infrastructure for fiscal years 2026/27 through 2030/31. The CIP is updated annually and serves as a planning tool to solidify District consensus on priority projects and then as a communication tool to inform ratepayers and the public served by the District of anticipated infrastructure investments and associated funding needs.

The CIP is a key component of the District's financial planning and supports water rate studies, long-term budgeting, and expenditures on critical water system infrastructure. The CIP reflects the District's responsibility to maintain reliable service, meet regulatory requirements, and address system deficiencies that affect service levels such as pressure, fire flow, storage, and system reliability.

This CIP is based on the findings and recommendations of the District's 2024 Water Master Plan Update, which evaluated the capacity and condition of the water system using hydraulic modeling, facility condition assessments, projected future demands, and input from operations staff. The Master Plan determined that the overall water supply is adequate to meet projected growth; however, fire flow limitations, aging infrastructure, and localized pressure deficiencies represent the primary constraints to system performance and future development. Accordingly, the projects included in this CIP are selected to address these identified deficiencies, prioritize rehabilitation of existing facilities, and improve system performance and reliability for current and future ratepayers.

The CIP is developed through coordination between District staff, the General Manager, and the Board of Directors, with technical input informed by engineering analysis and planning documents. Once the projects were identified and scoped at a planning level, they were voted into priority in 2025 by the District's Engineering Ad Hoc group comprised of CPUD management and operations staff, CPUD board members, and engineering consultant staff.

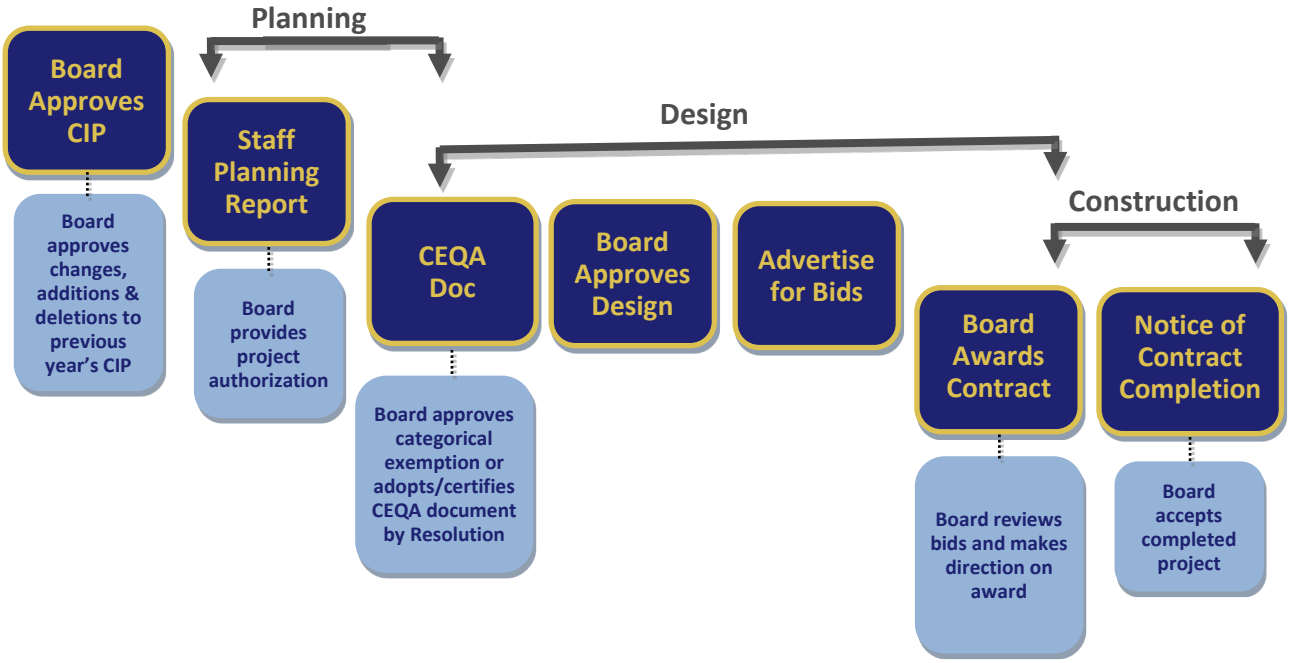
Each project included in this CIP is summarized at a planning level with a project description, justification, location, schedule, estimated cost, funding source, and anticipated operational impacts. Some projects have undergone initial investment in planning and design and are scoped further than the planning level. Projects generally progress through planning, design, and construction phases as can be seen in Figure 1.

As directed in CPUD Policy 2110 – Budget Preparation, the CIP budgets are required to be established and approved by the Board of Directors. Approval/adoption of the CIP does not, by itself, authorize construction or expenditure of funds for individual projects. Each capital project requires separate Board approval for various phases of the project from Planning to Construction, as can be seen in Figure 1.

The CIP is a dynamic living document that may be amended at any time by the Board of Directors to reflect changing priorities, financial conditions, regulatory requirements, or new information. Amendments may occur as part of the annual CIP update process or at other times as directed by the Board.

The CIP is made available as a public document and while the CIP is developed to serve the needs of the District's ratepayers, coordination with other public agencies may be considered where opportunities exist to improve project outcomes or achieve mutual benefit.

Figure 1 - Opportunities for Board Direction on Capital Projects



Principal sources of revenue for the District come from water usage charges, hydro power sales, property taxes, investment interest and connection fees. These revenues are obligated to be used for operations expenses, debt payments, capital expenditures, and reserves. The adopted prioritization of projects also greatly assists with the District's ability to formulate a grant strategy and approach outside funding sources.

Table 1 presents a summary of the projected funding schedule of capital improvements for fiscal years 2026/27 through 2030/31. The project list was developed from recommendations presented in the District's 2024 Master Plan and narrowed down in collaboration with members of the Board, the General Manager, and field staff at a series of Ad Hoc meetings hosted in 2024-2025 to vote and prioritize each project. Each project was evaluated and ranked using a predetermined scoring system provided by the District.

Refer to Appendix A for the full 5-Year Project Plan Table for a more detailed breakdown. The following pages present each project individually with project description, justification, location, and other details.

Table 1 - 5 Year Project Plan Summary

	Project Title	Project Cost	Previously Expended	Grant Contribution	Expenditures by Fiscal Year FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31
	Water Meter Replacement Program	$1,000,000	$ 425,000	$ -	$ 287,500	$ 287,500	$ -	$ -	$ -
	Rich Gulch Waterline Replacement	$ 565,000	$ 47,168	$ 566,225	$ 566,225	$ -	$ -	$ -	$ -
	WTP: Backwash Pond Cleanout	$ 230,000	$ -	$ -	$ -	$ -	$ 230,000	$ -	$ -
	Glencoe Pump Station Upgrades	$ 840,000	$ 9,866	$ -	$ -	$ -	$ -	$ -	$ -
	San Andreas Waterline Replacement	$2,931,000	$ 25,795	$ -	$ -	$ -	$ -	$ -	$ -
	WTP: Backwash Recycling System	$ 1,600,000	$ 153,521	$ -	$ -	$ -	$ -	$ -	$ -
*	Filter to Waste Project	$ 520,000	$ 13,142	$ -	$ -	$ -	$ -	$ -	$ -
	Golden Hills Fire Flow Improvements	$ 646,250	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Mokelumne Hill Distribution Main Upsizing	$1,254,528	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Hydropower Station Upgrades: Ponderosa	$ 280,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Hydropower Station Upgrades: MCV	$ 210,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Hydropower Station Upgrades: Garamendi	$ 280,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Tank Rehabilitation: Paloma	$ 647,700	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Tank Rehabilitation: Mokelumne Hill	$1,052,513	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Tank Rehabilitation: San Andreas	$1,619,250	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Tank Rehabilitation: Clearwell #1	$2,097,750	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	Tank Rehabilitation: Rail Road Flat	$ 499,250	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	South Fork Pump Station and Dam Repairs	$ 385,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
*	SFPS: Raw Water Pipeline to Jeff Davis Reservoir	$8,064,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	WTP: Replace Piping in the Building	$ 105,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	San Andreas Distribution Main Upsizing	$3,365,978	$ -	$ -	$ -	$ -	$ -	$ -	$ -
*	Vehicle Purchase - 10 Yard Dump Truck	$ 150,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	South Fork Pump Station Upgrades	$ 294,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	WTP: PGE Upgrade	$ 315,000	$ -	$ -	$ -	$ -	$ -	$ -	$ -
	* Project scoping pages not yet developed			FY Total:	$ 853,725	$ 287,500	$ 230,000	$ -	$ -
				Grant Contribution:	$ 566,225	$ -	$ -	$ -	$ -
				CPUD CIF Contribution:	$ 287,500	$ 287,500	$ 230,000	$ -	$ -

Water Meter Replacement Program

Funding Type	Capital Improvement Funds
Program	Supply / Distribution Improvements

PROJECT DESCRIPTION

This project replaces 1,959 residential, commercial and agricultural meters with advanced metering infrastructure.

JUSTIFICATION

This project would not only improve water conservation and revenue for the District, but it would also streamline meter readings made by staff each month. Most of the existing meters in service are beyond their useful life and are a prominent cause of apparent water loss when comparing the amount of water treated to the amount sold through usage rates. The new meters will increase the reliability and accuracy in accounting for revenue water provided to customers and assist in water conservation efforts as part of a total system water audit.

PROJECT LOCATION

This project is District-wide.

SCHEDULE & STATUS

This project has been in progress for a few years now. Meters will continue to be upgraded every year until the project is completed. CPUD's goal is to complete the replacements by fiscal year 27/28.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Water Meter Replacement Program	1	3	CIF	Supply/Distribution	-	27/28

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution	FY 26/27	FY 27/28
$ -	-	$ 1,000,000	$ 1,000,000	$ 425,000		$ 287,500	$ 287,500

FUNDING SOURCES

CPUD Capital Improvement (CIF) Funds.

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs significantly by reducing staff time to read meters. Revenue increases are possible due to more accurate and reliable meter readings.

USEFUL LIFE: 50+ years

Rich Gulch Waterline Replacement

Funding Type	Grant Funding
Program	Supply & Distribution Improvements

PROJECT DESCRIPTION

This proposed project will replaces approximately 685 linear feet of 16" transmission main in the Rich Gulch area with a new 18" main.

JUSTIFICATION

The existing transmission main from the Jeff Davis Treatment Plant to San Andreas is a single main that is not looped. A portion of this main located adjacent to the Rich Gulch area is 16" diameter steel pipe and is leaking and failing. Since the main is the only source of treated water to Mokelumne Hill and San Andreas, any break in this main would be catastrophic to the community. Most of the existing transmission main is 18", so this project will improve the capacity by eliminating a bottleneck. The design phase of this project has already begun, and preliminary plans and specifications have been produced.

PROJECT STATUS

The project was originally designed to 30% to be included in a SRF Construction Application (submitted by the CPUD GM in 2022). The SRF Construction Grant was not awarded, and design was halted until the Winter of 2022. It was identified in the Winter of 2025 that a previously awarded MAC grant for "The WTP Backwash Recycle Project" could be transferred over to this project. The grant is currently being processed with the State for the transfer to this project. Design work will continue once the grant amendment is signed by the State. The State has communicated that the deadline to complete this work is Summer of 2027.

PROJECT LOCATION

The project is located adjacent to and south of Hwy 26 in Rich Gulch.

★ Project Location

SCHEDULE & STATUS

Engineering for this project has begun and construction is tentatively scheduled to begin in FYI 26/27.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Rich Gulch Waterline Replacement	2	1	Grant	Supply/Distribution	21/22	26/27

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution	FY 26/27
$ 140,000	60%	$ 425,000	$ 565,000	$ 47,168	$ 566,225	$ 566,225

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by eliminating increasingly frequent pipe repairs and water loss due to leaks. Water loss estimated to be 35-AcreFt/Year.

USEFUL LIFE: 50+ years

Water Treatment Plant: Backwash Pond Cleanout

Funding Type	Capital Improvement Funds
Program	Water Treatment

PROJECT DESCRIPTION

The proposed project consists of cleanout both of the existing backwash settling ponds. Operations to complete this project every 10 years.

JUSTIFICATION

The backwash settling ponds at the Water Treatment Plant accumulate solids and residual treatment byproducts each time the media filters are backwashed. Over time, sediment builds up in the ponds, reducing their storage capacity and effectiveness in settling out solids before water is discharged. This accumulation limits the ponds' ability to handle the increasing volume and frequency of backwash water, which is necessary to maintain optimal filter performance. The ponds are currently at maximum sediment capacity and need to be cleaned to maintain baseline operations.

PROJECT LOCATION

The project is located at the Water Treatment Plant at Jeff Davis Reservoir located on West Forty Rd off of Ridge Road in Mokelumne Hill.

★ Project Location

SCHEDULE & STATUS

District operation staff plans to complete this task as soon as funding is available.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
WTP: Backwash Pond Cleanout	3	-	CIF/In House	Water Treatment	-	28/29

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution	FY 26/27	FY 27/28	FY 28/29
$ -	-	$ 230,000	$ 230,000	$ -		$ -	$ -	$ 230,000

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease overall electrical costs due to the energy differential between pumping recycled water from the backwash ponds to the reservoir versus pumping from the Mokelumne River to the reservoir.

USEFUL LIFE: 10+ years

Water Treatment Plant: Backwash Recycling System

Funding Type Not Identified

Program Water Treatment

PROJECT DESCRIPTION

This proposed project involves construction of a backwash recycle pump station and force main to return water from the backwash settling ponds to Jeff Davis Reservoir. A separate CIP project to upgrade the PG&E electrical service will be required to accommodate the increase in power demand for this project.

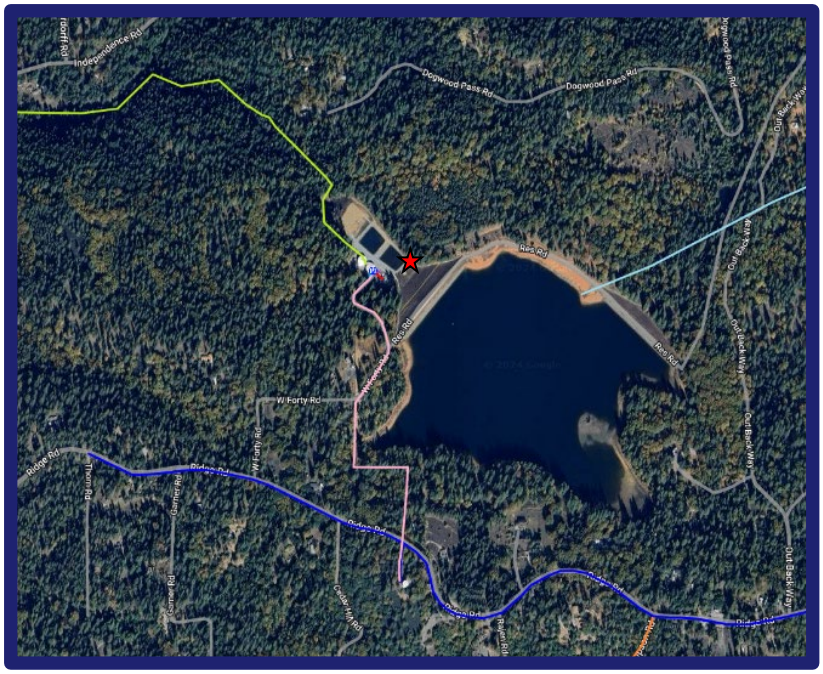
JUSTIFICATION

The existing media filters used at the Water Treatment Plant must be backwashed approximately 2-3 times per week with treated water to purge the media of contaminants and coagulant. Currently, the backwash water is diverted to the two existing settling ponds before emptying into a drainage course and away from the site, at a cost to the District of approximately 28 million gallons per year of useable raw water. This water, while mostly clear, may carry coagulant and other fine particulate downstream and into the waterways. Over time, the settling ponds have become less effective due to sediment buildup, changes to the treatment, demand increase, and increased backwashing frequency.

With the proposed system, the water will be pumped back into Jeff Davis Reservoir after sediment removal, thus aiding in water conservation and reducing the costs of pumping raw water into the reservoir. This will be particularly beneficial during periods of drought when raw water supply is low.

PROJECT LOCATION

The project is located at the Water Treatment Plant at Jeff Davis Reservoir located on West Forty Rd off of Ridge Road in Mokelumne Hill.



★ Project Location

SCHEDULE & STATUS

The engineering design is currently at 60% completion and was put on hold as of December 2025 until funding can be allocated.

EXPENDITURE SCHEDULE

Project currenlty not scheduled for 5-year Project Plan due to lack of funding.

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
WTP: Backwash Recycling System	-	1	-	Water Treatment	23/24	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 200,000	60%	$ 1,400,000	$ 1,600,000	$ 153,521	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease overall electrical costs due to the energy differential between pumping from the ponds to the reservoir and pumping from the Mokelumne River to the reservoir.

USEFUL LIFE: 50+ years

Water Treatment Plant: PGE Upgrade

Funding Type Not Identified

Program Water Treatment

PROJECT DESCRIPTION

This proposed project will upgrade the current PG&E electrical service to meet current power demands. Likely PG&E will require replacement of the existing pole.

JUSTIFICATION

Staff has previously identified significant power issues when multiple systems are running at the WTP. In order to correct this and to support future projects at the WTP an electrical service upgrade with PG&E is required.

PROJECT LOCATION

The project is located at the Water Treatment Plant at Jeff Davis Reservoir located on West Forty Rd off of Ridge Road in Mokelumne Hill.

★ Project Location

SCHEDULE & STATUS

Some planning efforts have been completed as this project was initially listed under the "WTP: Backwash Recycling Project," but the design could not be started until the power needs were identified on the Backwash Project which was put on hold in the Fall of 2025.

EXPENDITURE SCHEDULE

Project currenlty not scheduled for 5-year Project Plan due to lack of funding.

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
WTP: PGE Upgrade	-	-	-	Water Treatment	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 154,000	-	$ 161,000	$ 315,000	$ -	

OPERATING COST IMPACTS

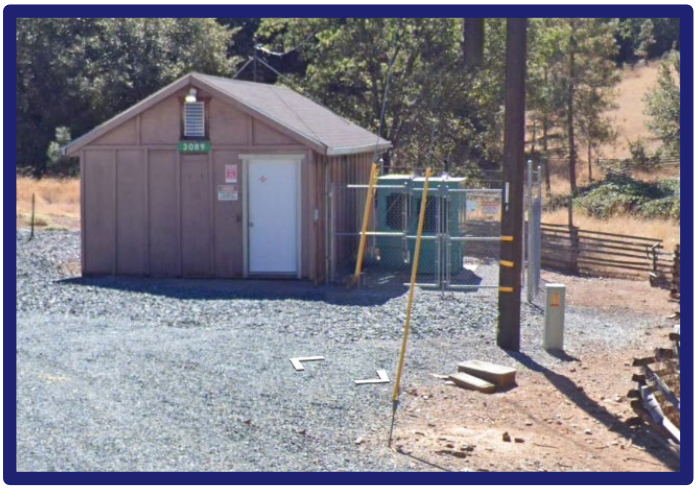
The completion of this project is anticipated to decrease operational involvement to avoid the power issue.

USEFUL LIFE: 50+ years

Glencoe Pump Station Upgrades

Funding Type: Not Identified

Program: Supply & Distribution Improvements



PROJECT DESCRIPTION

This proposed project would install a new booster pump system with variable frequency drive motors, along with a larger tap from the transmission man . The project would remove the existing hydro-pneumatic tank and the associated air compressor equipment. This project will also include upgrades to the electrical system, along with connectivity to the District's SCADA system. This project will provide metered flows and pressures that will be monitored through SCADA, allowing the District to better maintain operation of the Glencoe Pressure Zone, provide fire flow, and improve the District's service to this area. This project serves approximately 33 homes that do not have adequate fire flow.

JUSTIFICATION

The Glencoe Pump Station is a high service area that requires the District to pump into this existing pressure zone. The current setup has two fixed speed motors that connect to a 4" line that then uses a hydropneumatic tank to maintain system pressure. When water is pulled from a hydrant, there is inadequate flow for fire suppression. There is also a problem with excessive pump cycling frequency due to the fixed speed motors. There is no communication between the Glencoe Pump Station and the District's SCADA system which can cause long delays in operators responding to an issue. The hydropneumatic tank lacks a manufacturer's tag and has had previous repairs that required welding which could make the tank out of compliance with current standards.

PROJECT LOCATION

The project is in Glencoe off Ridge Road.

★ Project Location

SCHEDULE & STATUS

Engineering design was progressed to 30% effort to qualify for a SRF Construction Application. All efforts have been halted as of December 2025, until funding can be identified. A Notice of Exemption (NOE) still needs to be filed.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Comitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Glencoe Pump Station Upgrades	-	3	-	Supply/Distribution	25/26	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 90,000	30%	$ 750,000	$ 840,000	$ 9,866	

OPERATING COST IMPACTS

The completion of this project is expected to decrease operating costs due to the improved efficiency of the VFD's and allowing operators to remotely monitor the pump station status through the SCADA system.

USEFUL LIFE: 50+ years

South Fork Pump Station Upgrades

Funding Type	Not Identified
Program	Building & Site Improvements

PROJECT DESCRIPTION

This proposed project would install much needed electrical and equipment upgrades to the existing pump station. Upgrades to include a new flow meter, electric winches on the intake slide gates, new motors, VFD's, SCADA equipment, and removal of the existing hydropneumatic tank.

JUSTIFICATION

The current mechanical flow meter is not well suited for this application and may provide imprecise data that is crucial to the efficient operation of the system. Electric winches will greatly improve the operability of the intake slide gates, and will allow operators to easily close the gates prior to storm events to prevent debris buildup at the gates and sediment intrusion into the wet wells. The existing hydropneumatic surge tank is currently inoperable, resulting in pressure spikes when the pumps shut down. The installation of new motors and VFD equipment will allow the pumps to operate efficiently without a surge tank. Connection the District's SCADA system will also allow operators to monitor the pump station remotely, greatly reducing the number of trips necessary to visit the pump station.

PROJECT LOCATION

The project is located at the South Fork of the Mokelumne River about 2 miles northeast of Jeff Davis Reservoir.

★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
South Fork Pump Station Upgrades	-	3	-	Bldg/Site Improvements	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 84,000	-	$ 210,000	$ 294,000	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by streamlining the pump station operations and reducing the operator time spent at the station.

USEFUL LIFE: 50+ years

Golden Hills Fire Flow Improvements

Funding Type: Not Identified

Program: Supply & Distribution Improvements

PROJECT DESCRIPTION

This proposed project falls under Supply/Distribution Improvements. This project will improve the water supply and capacity for fire flow in the Golden Hills subdivision. The project is proposing to install a new larger tap on the transmission main, remove the existing pressure reducing valve, remove the existing storage tank, as well as use the large capacity of the Mokelumne Hill tank to provide the needed fire flows for this subdivision.

JUSTIFICATION

The current setup of the existing 60,000 gallon storage tank being fed by a 2" Pressure Reducing Valve (PRV) has created a liability in this part of the distribution system, as the District is unable to meet adequate fire flows during the event of a wildfire or even a house fire. This project has been identified as a high priority in the Water Master Plan. The existing storage tank needs rehabilitation and is undersized per the Districts Standard Specifications. Improving the flow from the transmission main and removing this tank will allow for better operation of the water system in this subdivision. Better operation of this neighborhood will also be achieved through less automation needed to open and close the PRV at the transmission main and will save the District electrical costs, as this electrical service will no longer be needed.

PROJECT LOCATION

The PRV is located near the intersection of Hwy 49 and Lombardi Drive. The tank is located uphill and north of the Golden Hills subdivision.

★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Golden Hills Fire Flow Improvements	-	3	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 146,250	-	$ 500,000	$ 646,250	$ -	

OPERATING COST IMPACTS

The completion of this project is expected to decrease operating costs by eliminating electrical costs, eliminating maintenance of the pressure reducing valve/PLC, reducing staff time of maintaining the easement to the tank, and eliminating the need to rehabilitate the tank.

USEFUL LIFE: 50+ years

San Andreas Waterline Replacement

Funding Type	Not Identified
Program	Supply & Distribution Improvements

PROJECT DESCRIPTION

This proposed project consists of replacement approximately 3,075 linear feet of 8”, 10”, and 12” diameter steel waterlines with new 12” PVC pipe. Existing services and fire hydrants would be reconnected as part of the project.

JUSTIFICATION

The existing water mains being considered for replacement are steel pipe and are leaking and failing. Since the water main is one of the main trunk lines in San Andreas, any break in this water main would be catastrophic to the community. The District has had multiple repairs on this section of pipe. The design phase of this project has already begun, and preliminary plans and specifications have been produced. This project would also help to improve fire flow capacity in a large section of San Andreas.

PROJECT LOCATION

The project is located in San Andreas from the existing cemetery PRV station to E St. Charles St to Main St, ending near Pope St.

★ Project Location

SCHEDULE & STATUS

Engineering design is at 30% in order to apply for a 2023 SRF Construction Application. All work on the project is on hold until funding can be identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
San Andreas Waterline Replacement	-	1	-	Supply/Distribution	21/22	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 501,000	30%	$ 2,430,000	$ 2,931,000	$ 25,795	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by eliminating increasingly frequent pipe repairs and water loss due to leaks.

USEFUL LIFE: 50+ years

Mokelumne Hill Distribution Main Upsizing

Funding Type	Not Identified
Program	Supply & Distribution Improvements

PROJECT DESCRIPTION

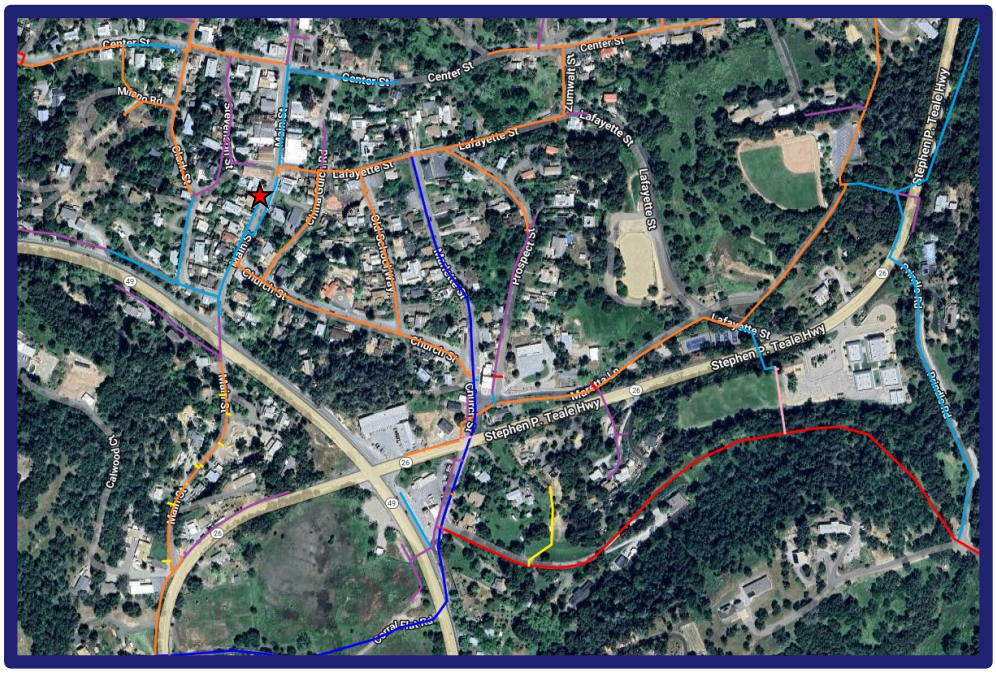
This proposed project consists of replacement of approximately 5,500 linear feet of 4” steel pipe with 8” PVC.

JUSTIFICATION

The intent of this project is to provide a better service to customers, but more importantly, to increase fire flows. The Water Master Plan identified several areas in Mokelumne Hill that do not have sufficient fire flow due to undersized and aging mains. Incremental projects like this are necessary for the District to address these areas of concern, and to encourage safe development within the District’s boundaries.

PROJECT LOCATION

The project is located in the town of Mokelumne Hill.



★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Mokelumne Hill Distribution Main Upsizing	-	3	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 114,048	-	$ 1,140,480	$ 1,254,528	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by minimizing repairs and leaks.

USEFUL LIFE: 50+ years

Project	**San Andreas Distribution Main Upsizing**
Funding Type	Not Identified
Program	Supply / Distribution Improvements

PROJECT DESCRIPTION

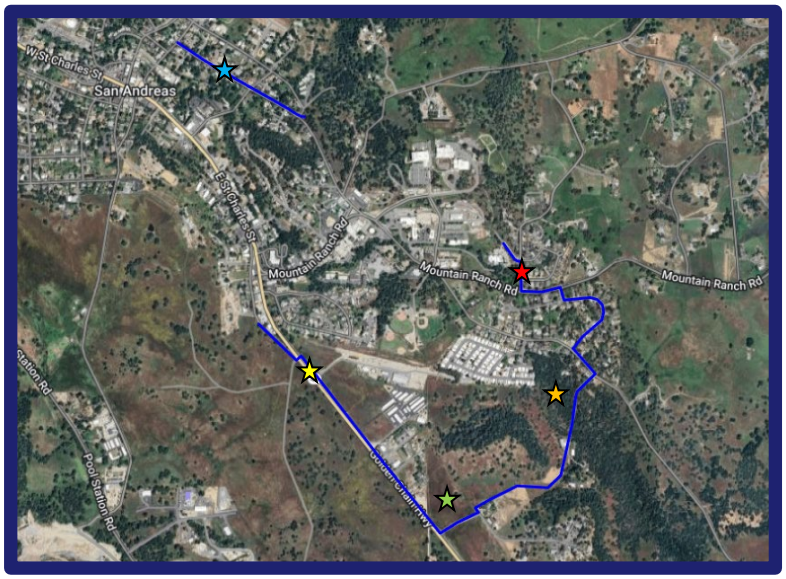
This project is anticipated to occur in several phases. Phase 1 begins near the County Library in Government Center Rd, and follows a route along Gold Hunter Rd, Mountain Ranch Rd, Oak Park Dr, E Oak Park Dr, and ends at Calaveritas Rd. Phase 2 continues down Calaveritas Rd to Edgewood, then across private land to Saddleback Dr. Phase 3 connects to the main in Angels Rd and runs southeasterly along Hwy 49, ending at Knief Ln. Phase 4 connects the Phase 2 and Phase 3 mains along Hwy 49 and Buckskin Way. Another distribution main is proposed in Pope St between California St and Lewis Ave. The total length of pipe is approximately 10,700 linear feet of 12" pipe and 2030 linear feet of 8" pipe.

JUSTIFICATION

The intent of this project is to provide a better service to customers, but more importantly, to increase the fire flows. Previous studies have identified several areas that are incapable of producing sufficient fire flow. Incremental projects like this are necessary for the District to address these areas of concern and to encourage safe development within the District's boundaries.

PROJECT LOCATION

The project is located in San Andreas.



SCHEDULE & STATUS

This Project was identified in the recent Masterplan. No design has been completed.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
San Andreas Distribution Main Upsizing	-	3	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 305,998	-	$ 3,059,980	$ 3,365,978	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by replacing old water mains, thereby minimizing repairs and leaks.

USEFUL LIFE: 50+ years

Hydropower Station Upgrades: Ponderosa

Funding Type	Not Identified
Program	Building & Site Improvements

PROJECT DESCRIPTION

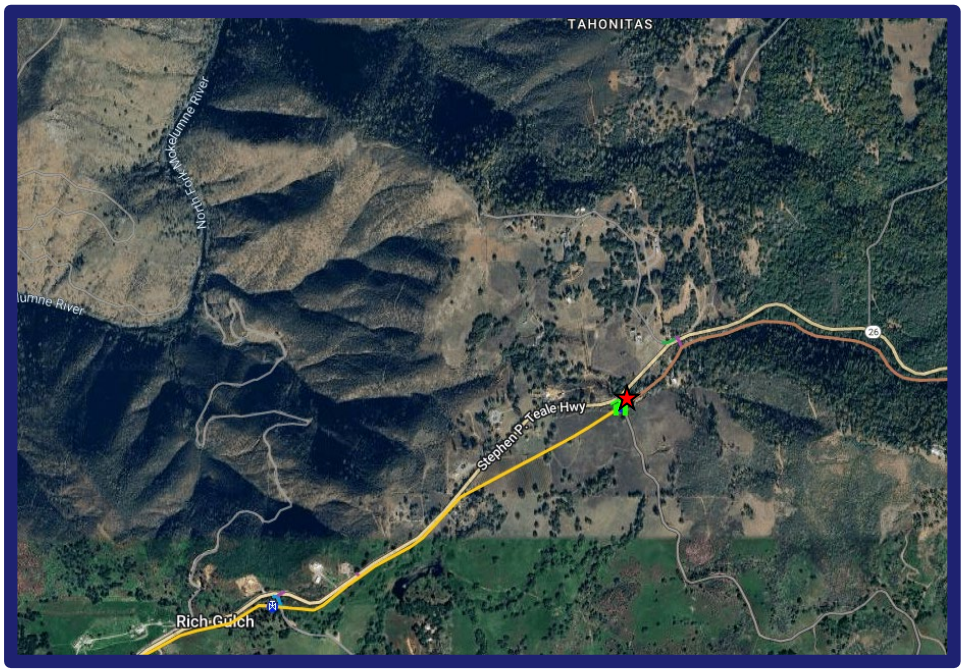
This proposed project consists of installation of isolation valves on either side of the existing turbine, structural upgrades, electrical upgrades, and SCADA equipment.

JUSTIFICATION

New isolation valves will allow the existing turbine to be more easily serviced by shutting off the upstream and downstream flow. The existing roof/ceiling support structure is failing and requires structural repairs. The electrical system is also outdated and in need of upgrades, including SCADA technology for remote monitoring.

PROJECT LOCATION

The project is located at the intersection of Ponderosa Way and Hwy 26.



★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Hydropower Station Upgrades: Ponderosa	-	3	-	Bldg/Site Improvements	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 80,000	-	$ 200,000	$ 280,000	$ -	

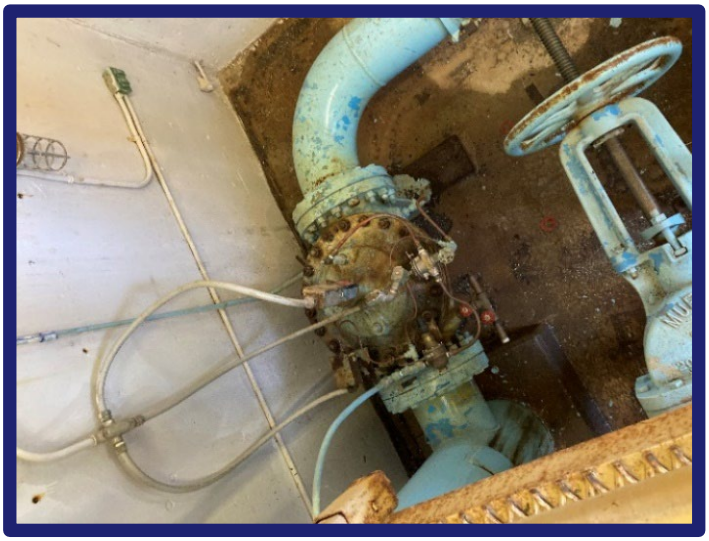
OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by simplifying turbine testing and servicing, as well as providing SCADA equipment to remotely monitor the station and minimize operator service visits to the site.

USEFUL LIFE: 50+ years

Hydropower Station Upgrades: Main Control Valve

Funding Type	Not Identified
Program	Building & Site Improvements



PROJECT DESCRIPTION

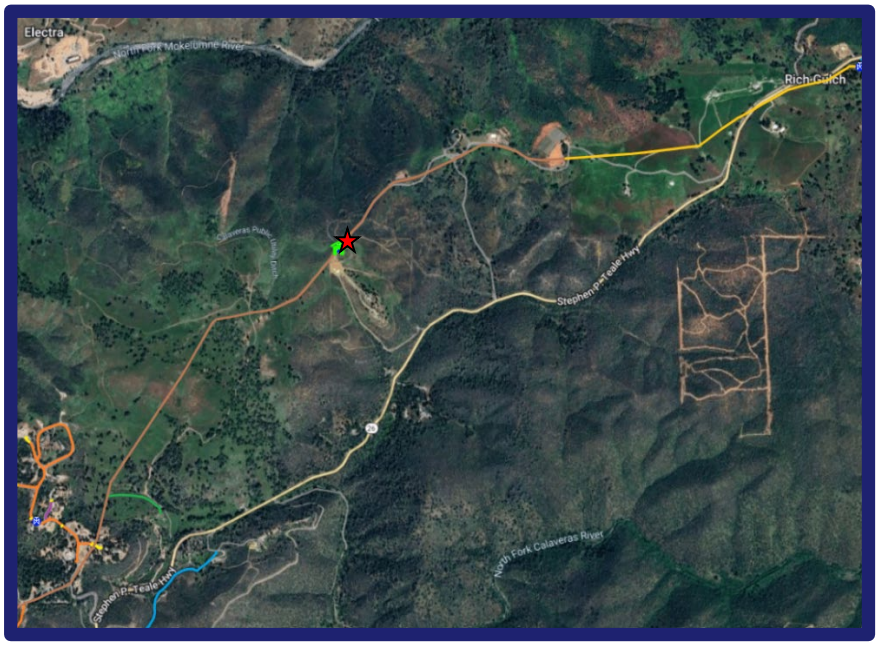
This proposed project consists of installation of new isolation valves on either side of the existing turbine, structural upgrades, electrical upgrades, and SCADA equipment.

JUSTIFICATION

New isolation valves allow the existing turbine to be more easily serviced by shutting off the upstream and downstream water. The existing roof/ceiling support structure is failing and requires structural repairs. The electrical system is outdated and in need of upgrades, including SCADA technology for remote monitoring.

PROJECT LOCATION

The project is located on a private drive northeast of Hwy 26 between Rich Gulch and Mokelumne Hill.



★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Hydropower Station Upgrades: MCV	-	3	-	Bldg/Site Improvements	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 60,000	-	$ 150,000	$ 210,000	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by simplifying turbine testing and servicing, as well as providing SCADA equipment to remotely monitor the station and minimize operator service visits to the site.

USEFUL LIFE: 50+ years

Hydropower Station Upgrades: Garamendi

Funding Type	Not Identified
Program	Building & Site Improvements

PROJECT DESCRIPTION

This proposed project consists of installation of new isolation valves on either side of the existing turbine, structural upgrades, electrical upgrades, and SCADA equipment.

JUSTIFICATION

New isolation valves will allow the existing turbine to be more easily serviced by shutting off the upstream and downstream water. The existing roof/ceiling support structure is failing and requires structural repairs. The electrical system is outdated and in need of upgrades, including SCADA technology for remote monitoring.

PROJECT LOCATION

The project is located about 1.3 miles south of Mokelumne Hill adjacent to Hwy 49.

★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Hydropower Station Upgrades: Garamendi	-	3	-	Bldg/Site Improvements	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 80,000	-	$ 200,000	$ 280,000	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs by simplifying turbine testing and servicing, as well as providing SCADA equipment to remotely monitor the station and minimize operator service visits to the site.

USEFUL LIFE: 50+ years

Tank Rehabilitation: Paloma

Funding Type Not Identified

Program Supply & Distribution Improvements

PROJECT DESCRIPTION

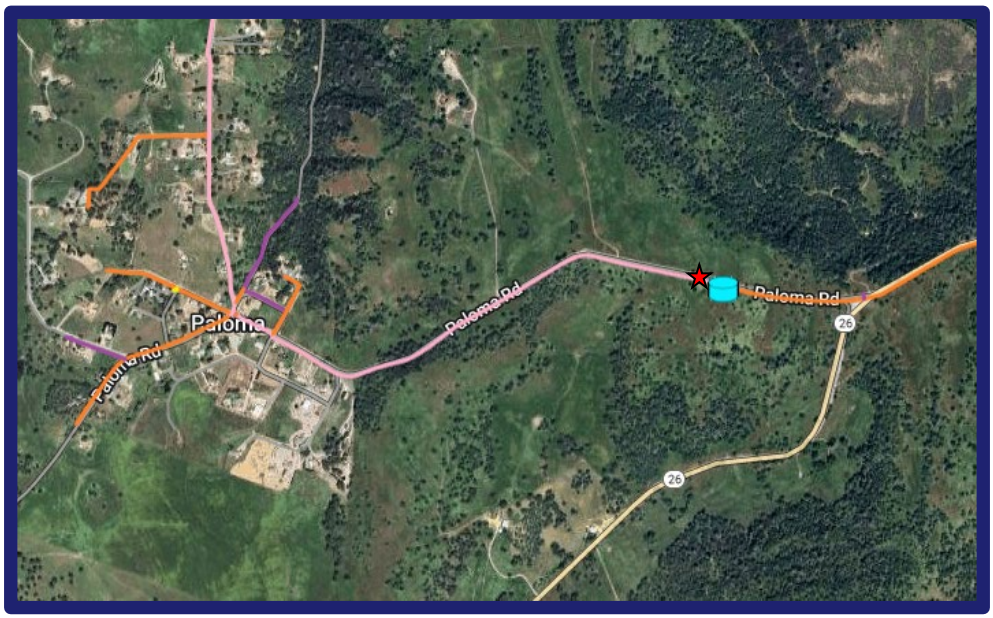
This proposed project includes structural repairs, recoating, tank mixing equipment, telemetry and analyzers, and flow meters.

JUSTIFICATION

This 120,000 gallon storage tank serves the Paloma community and is filled from the Mokelumne Hill tank. Inspections done in 2023 determined that the tank is in poor condition, particularly the interior. In order to preserve the tank from further deterioration, it is necessary to make these rehabilitation efforts.

PROJECT LOCATION

The project is located on Paloma Rd between Paloma and Hwy 26.



★ Project Location

SCHEDULE & STATUS

Tank Inspection and preliminary scoping was completed as part of the 2024 Master Plan. This work was completed via dive inspection completed by CSI Services in 2023. Design has not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Tank Rehabilitation: Paloma	-	3	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 100,200	-	$ 547,500	$ 647,700	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs slightly by updating the telemetry and analyzing equipment and connecting them to the SCADA system to be monitored remotely.

USEFUL LIFE: 20 years

Tank Rehabilitation: Mokelumne Hill

Funding Type	Not Identified
Program	Supply & Distribution Improvements

PROJECT DESCRIPTION

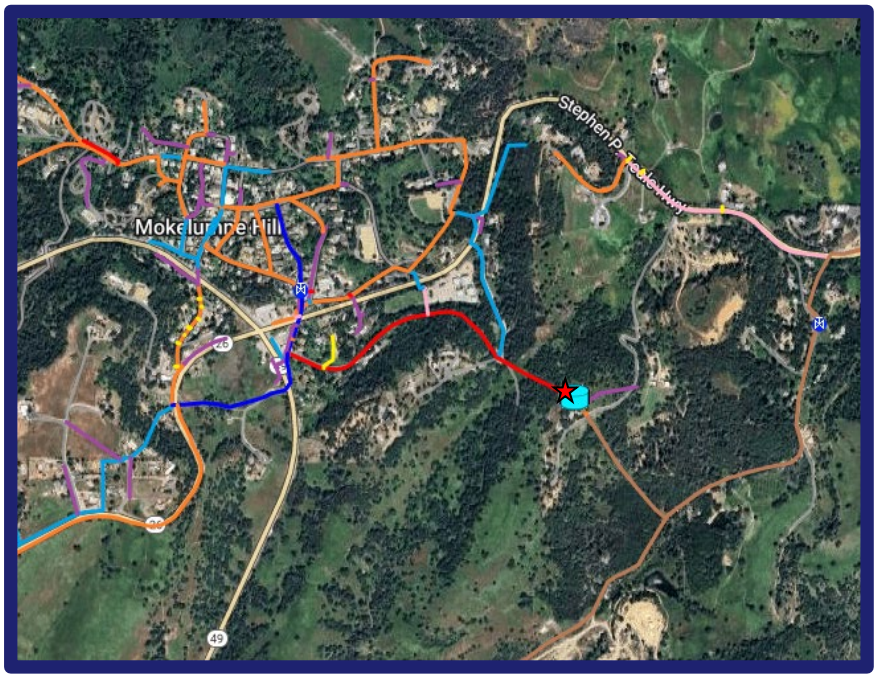
This proposed project includes structural repairs, recoating, tank mixing equipment, telemetry and analyzers, upgraded ladder to meet OSHA regulations, flow meters, and a backup solar power system.

JUSTIFICATION

This 1.5 million gallon storage tank serves the Mokelumne Hill community as well as the Paloma tank. Inspections done in 2023 determined the tank to be in poor condition, particularly the interior. In order to preserve the tank from further deterioration, it is necessary to make these rehabilitation efforts. Including a backup solar power system will allow District staff to monitor the tank during power outages.

PROJECT LOCATION

The project is located on Sport Hill Rd southeast of Mokelumne Hill.



SCHEDULE & STATUS

Tank Inspection and preliminary scoping was completed as part of the 2024 Master Plan. This work was completed via dive inspection completed by CSI Services in 2023. Design has not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Tank Rehabilitation: Mokelumne Hill	-	2	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 162,825	-	$ 889,688	$ 1,052,513	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs slightly by updating the telemetry and analyzing equipment and connecting them to the SCADA system to be monitored remotely.

USEFUL LIFE: 20 years

Tank Rehabilitation: San Andreas

Funding Type	Not Identified
Program	Supply & Distribution Improvements

PROJECT DESCRIPTION

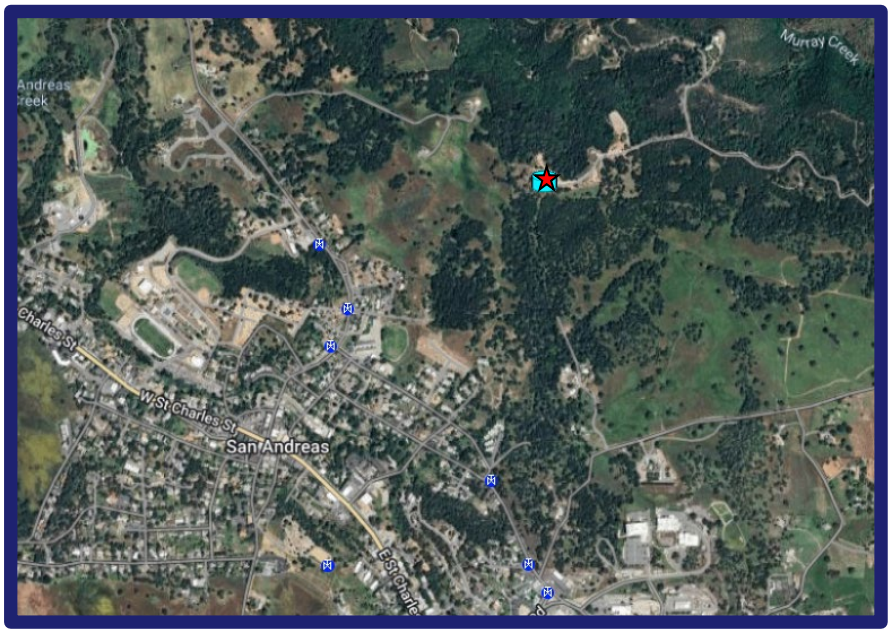
This proposed project includes structural repairs, recoating, tank mixing equipment, telemetry and analyzers, upgraded ladder to meet OSHA regulations, and overflow modifications to meet State regulations.

JUSTIFICATION

This 3-million-gallon storage tank serves the San Andreas community. Inspections done in 2023 determined the tank to be in poor condition, particularly the interior. In order to preserve the tank from further deterioration, it is necessary to make these rehabilitation efforts. Including a backup solar power system will allow District staff to monitor the tank during power outages.

PROJECT LOCATION

The project is located at the end of Andreas Vista Dr, north of San Andreas.



★ Project Location

SCHEDULE & STATUS

Tank Inspection and preliminary scoping was completed as part of the 2024 Master Plan. This work was completed via dive inspection completed by CSI Services in 2023. Design has not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Tank Rehabilitation: San Andreas	-	2	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 250,500	-	$ 1,368,750	$ 1,619,250	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs slightly by updating the telemetry and analyzing equipment and connecting them to the SCADA system to be monitored remotely.

USEFUL LIFE: 20 years

Tank Rehabilitation: Clearwell Tank #1

Funding Type	Not Identified
Program	Water Treatment

PROJECT DESCRIPTION

This proposed project includes structural repairs, recoating, telemetry and analyzers, and baffling.

JUSTIFICATION

This existing 500,000 gallon tank is the original of the two treated water storage tanks at the Water Treatment Plant. Inspections done in 2023 discovered widespread and pervasive corrosion. In order to preserve the tank from further deterioration, it is necessary to make these rehabilitation efforts.

PROJECT LOCATION

The project is located at the Water Treatment Plant at Jeff Davis Reservoir located on West Forty Rd off of Ridge Road in Mokelumne Hill.

★ Project Location

SCHEDULE & STATUS

Tank Inspection and preliminary scoping was completed as part of the 2024 Master Plan. This work was completed via dive inspection completed by CSI Services in 2023. Design has not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Tank Rehabilitation: Clearwell #1	-	3	-	Water Treatment	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 363,375	-	$ 1,734,375	$ 2,097,750	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs slightly by updating the telemetry and analyzing equipment and connecting them to the SCADA system to be monitored remotely.

USEFUL LIFE: 20 years

Tank Rehabilitation: Rail Road Flat

Funding Type	Not Identified
Program	Supply & Distribution Improvements

PROJECT DESCRIPTION

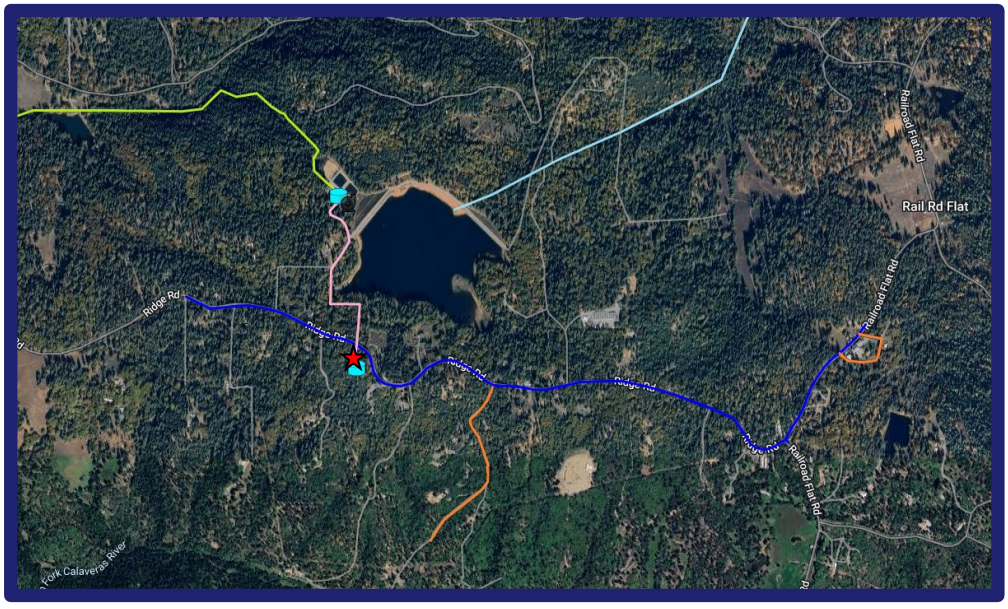
This proposed project includes minor repairs, recoating, tank mixing equipment, and telemetry and analyzers.

JUSTIFICATION

This 500,000 gallon storage tank serves the Rail Road Flat community. Inspections done in 2023 determined the tank to be in fair condition, though there were found to be several areas of heavy rust, including several dissimilar metal connections that have led to rapid rust accumulation. In order to preserve the tank from further deterioration, it is recommended to recoat the interior and make spot repairs to the exterior.

PROJECT LOCATION

The project is located on Ridge Road south of the Jeff Davis Reservoir.



★ Project Location

SCHEDULE & STATUS

Tank Inspection and preliminary scoping was completed as part of the 2024 Master Plan. This work was completed via dive inspection completed by CSI Services in 2023. Design has not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
Tank Rehabilitation: Rail Road Flat	-	4	-	Supply/Distribution	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 130,500	-	$ 368,750	$ 499,250	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease operating costs slightly by updating the telemetry and analyzing equipment and connecting them to the SCADA system to be monitored remotely.

USEFUL LIFE: 20 years

South Fork Pump Station and Dam Repairs

Funding Type	Not Identified
Program	Building & Site Improvements

PROJECT DESCRIPTION

The original concrete dam has been damaged by erosion caused by years of fast-flowing and turbulent water in the river. This project will repair the dam and install protections to reduce future erosion. This project also will replace the broken dam gate and provide a safe mechanism for operation of the gate to include a catwalk, address the issue of debris and sediment from the river clogging up the pump station intake, and repairs or replaces the intake slide gates, screens, and intake valve.

JUSTIFICATION

Left unaddressed, the dam will continue to erode and will eventually be damaged beyond repair. The dam is essential to the function of the pump station, and subsequently to the supply of raw water to the reservoir. Rebuilding the dam would be much more costly than a repair. The existing slide gate on the dam is damaged and difficult to operate. The concrete at the top of the dam has eroded to the point that it is dangerous to walk out to and operate the gate. The provision of a catwalk and gate operation mechanism would improve the safety and operability of the gate. Additionally, there has been an ongoing issue of debris, rock, and sediment clogging the intake gates and entering the wet wells and impeding the pump station's operability and at times requiring emergency debris removal. The intake valve in the wet well does not seal, resulting in the draining of the penstock and air buildup in the lines during pump start up.

PROJECT LOCATION

The project is located on the South Fork of the Mokelumne River about 2 miles northeast of Jeff Davis Reservoir.

★ Project Location

SCHEDULE & STATUS

Planning and Design have not started, as funding has not been identified.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
South Fork Pump Station and Dam Repairs	-	3	-	Bldg/Site Improvements	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 110,000	-	$ 275,000	$ 385,000	$ -	

OPERATING COST IMPACTS

The completion of this project is anticipated to decrease current operating costs by replacing broken and outdated appurtenances and improving accessibility and efficiency.

USEFUL LIFE: 50+ years

Water Treatment Plant: Replace Piping in the Building

Funding Type Capital Improvement Funds

Program Water Treatment

PROJECT DESCRIPTION

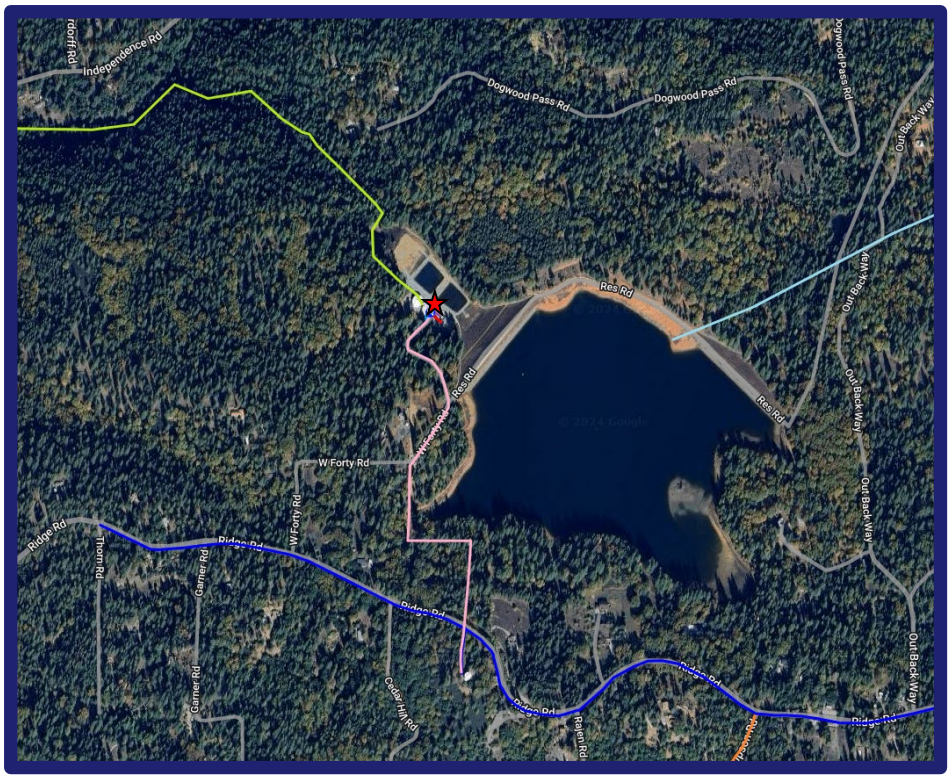
This project replaces outdated piping inside and adjacent to the treatment plant building.

JUSTIFICATION

The piping between the media filters and the building, as well as the raw and treated water piping inside the building is nearing the end of its useful life. While there have been no reported leaks or failures, it is important to begin planning the replacement of this crucial infrastructure.

PROJECT LOCATION

The project is located at the Water Treatment Plant at Jeff Davis Reservoir located on W Forty Rd off of Ridge Road in Mokelumne Hill.



★ Project Location

SCHEDULE & STATUS

Engineering is not currently scheduled.

EXPENDITURE SCHEDULE

Project Title	2026 Proposed Staff Ranking	2024 Commitee Ranking	Potential Funding Source	Category	Begin Design	End Construction
WTP: Replace Piping in the Building	-	4	-	Water Treatment	-	-

Cost of Design, Permitting, & Management	Design Status	Cost of Construction	Cost Total	Previously Expended	Grant Contribution
$ 30,000	-	$ 75,000	$ 105,000	$ -	

OPERATING COST IMPACTS

The completion of this project is not anticipated to affect current operating costs, as it is a preemptive measure and does not significantly alter the existing facilities or modes of operation. It will help to avoid future maintenance issues.

USEFUL LIFE: 50+ years

APPENDIX A

APPENDIX B