



Update on the Current Capital Improvement Program

September 22, 2022

Finance & Administration Committee



Current Capital Improvement Projects

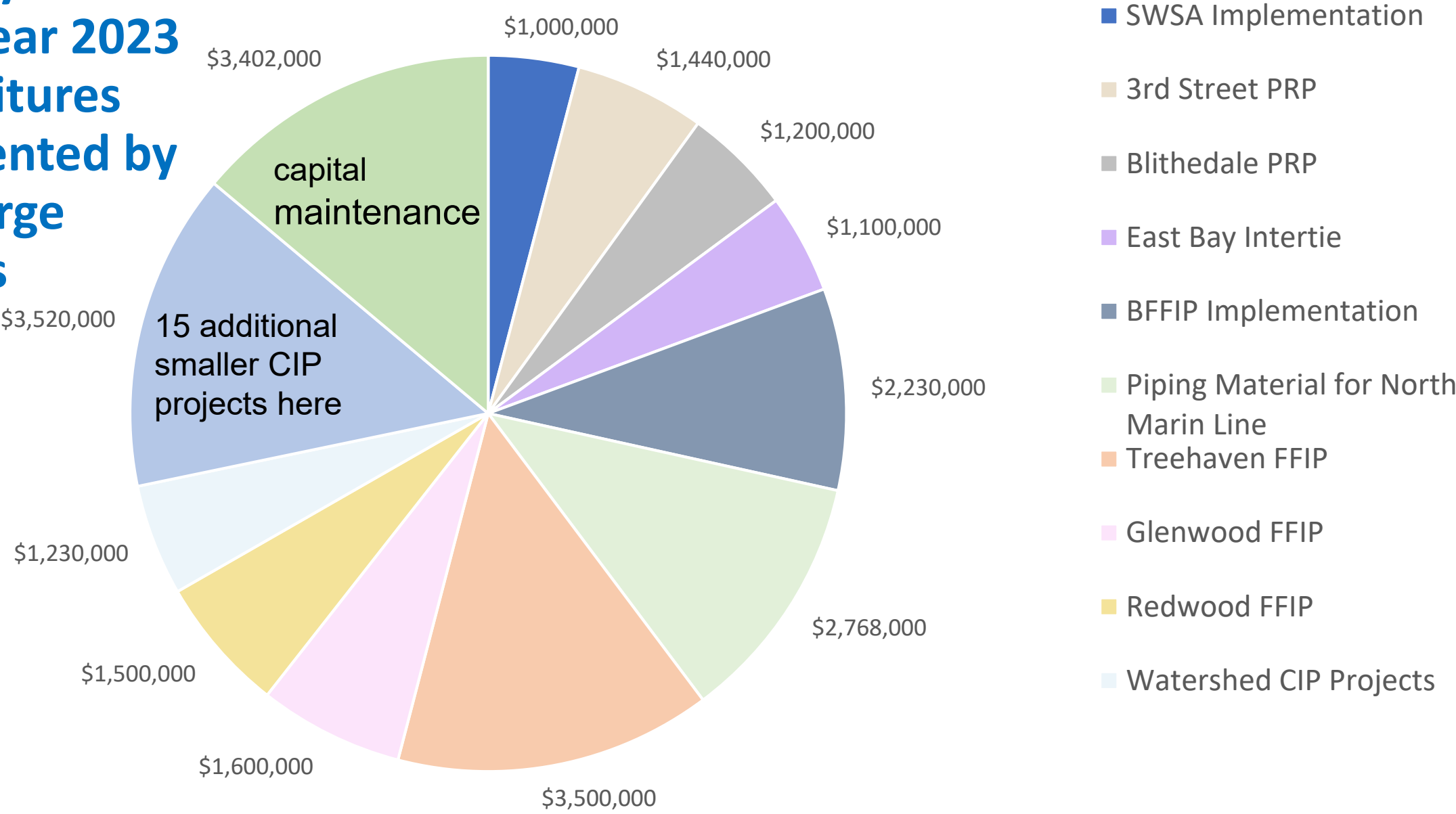
Estimated Expenditures for Fiscal Year 2023

Asset Class	FY23 Estimated Expenditures
Pipelines	\$ 14,838,000
Pump Stations	\$ 110,000
Storage Tanks	\$ 980,000
Treatment Plants	\$ 550,000
Watershed	\$ 2,700,000
General Improvements	\$ 1,910,000
Capital Maintenance	\$ 3,402,000
	\$ 24,490,000

Funding Sources for Estimated Capital Improvement Expenditures

Source	Fiscal Year 2023
Capital Maintenance Fee	\$13,075,000
Fire Flow Fee	\$4,500,000
Fire Flow Fund Carry Forward	\$3,030,000
Grant Awards	\$2,885,000
State Appropriation (SGTP)	\$1,000,000
TOTALS	\$ 24,490,000

Majority of Fiscal Year 2023 Expenditures Represented by Nine Large Projects



Active Project Expenditures in FY23

Project	FY23 Est. Expenditures	Project	FY23 Est. Expenditures
3 rd St. Pipeline Replacement	\$1,440,000	Phase II Dam Spillway Repairs	\$150,000
E. Blithedale Pipeline Replacement	\$1,200,000	Meadow Way Bridge Pipeline	\$40,000
SGTP Emergency Generator	\$550,000	Kastania Pump Station Phase II	\$110,000
Barber Ave Pipeline Replacement	\$240,000	Marin City Pipeline Replacement	\$300,000
Courtright System Improvement	\$460,000	Bolsa System Improvement	\$30,000
Sky Oaks Retaining Wall	\$320,000	Azalea Hill Restoration	\$470,000
Ridge Road FFIP	\$100,000	Redwood Dr FFIP	\$1,500,000
Treehaven FFIP	\$3,500,000	Lagunitas Creek Restoration	\$440,000
BFFIP Implementation	\$2,230,000	Mill Valley/Alto Tunnel FFIP	\$750,000
San Geronimo Creek Crossing Pipeline Replacement	\$220,000	Pine Mtn. Tunnel Tank Replacement	\$490,000
Glenwood Transmission FFIP	\$1,600,000	Wolfback Ridge FFIP	\$80,000
East Bay Intertie	\$1,100,000	Total	\$17,320,000

FY23 Delayed Projects

Project	FY23 Est. Expenditures	Project	FY23 Est. Expenditures
Mill Valley Tank Recoating & Valving	\$200,000	Phoenix Transfer Pump Station	\$250,000
Greenbrae Boardwalk Pipeline Replacement	\$1,100,000	Tocaloma Pump Station Upgrade	\$750,000
Freitas Parkway Valve Replacement	\$1,000,000	Pump Station Fire Hardening	\$600,000
Treatment Plant Design Bundle	\$250,000	San Anselmo Hub Regulator	\$200,000
SGTP Roof Replacement	\$75,000	Hind Tanks Replacement	\$50,000
Phoenix Dam Emergency Outlet Valve Replacement	\$100,000	Smith Saddle Tank Rehabilitation	\$750,000
Alpine Cathodic Protection	\$200,000	San Clemente System Improvement	\$750,000
Admin. Building Switchgear	\$350,000	Peacock Gap Recycled Water	\$145,000
Lake Lagunitas Flush Toilets	\$50,000	PMT Bridge Retaining Wall	\$130,000
System-Wide AMI	\$250,000	Total	\$7,200,000

Deferred Capital Maintenance

- Additional capital maintenance deferred, totaling \$2.4M
- Examples include:
 - Vehicle purchases
 - Watershed activities, such as culvert replacements, road repair, and trail rehabilitation
 - Treatment plant preventative maintenance
 - Valve replacement
 - Facility improvements, such as retaining walls



Sky Oaks Road

Funding Constraints

- With additional funding, such as award of PMT FEMA grant, delayed projects and/or purchases would be able to move forward
- Exact projects would be determined at time of funding.

Examples are:

- North Marin Line design
- Greenbrae Boardwalk
- Smith Saddle Tanks design
- Capital Equipment purchases



Greenbrae Boardwalk



North Marin Line over San Geronimo Creek

Project Details for Large Project Expenditures Fiscal Year 2023

3rd Street Pipeline Replacement Project

PROJECT DESCRIPTION

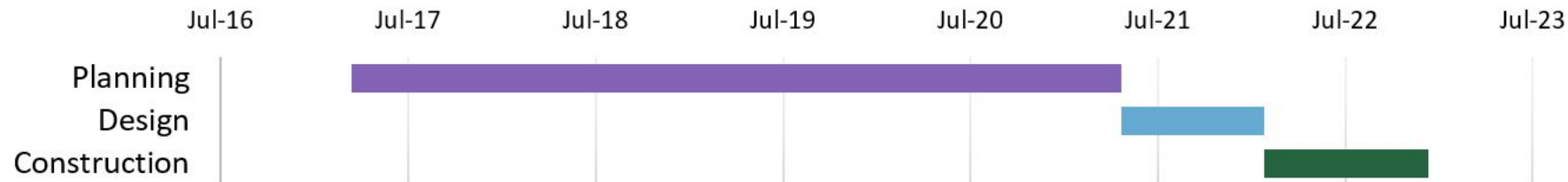
Installation of up to 6,570-feet of new 8-inch, 6-inch and 4-inch welded steel pipe along 3rd Street from San Rafael High School to Hayes Street to replace vulnerable and dated 6" CI pipe from 1926 in San Rafael. This is a joint project with the City of San Rafael's 3rd Street Rehabilitation Project.

FUNDING SOURCES FOR TOTAL PROJECT COST OVER MULTIPLE FISCAL YEARS

Capital Maintenance Fund	\$3,646,000
Other Funding Sources	-
Total	\$3,646,000

SCHEDULE & STATUS

March 2017 to December 2022



East Blithedale Avenue Pipeline Replacement

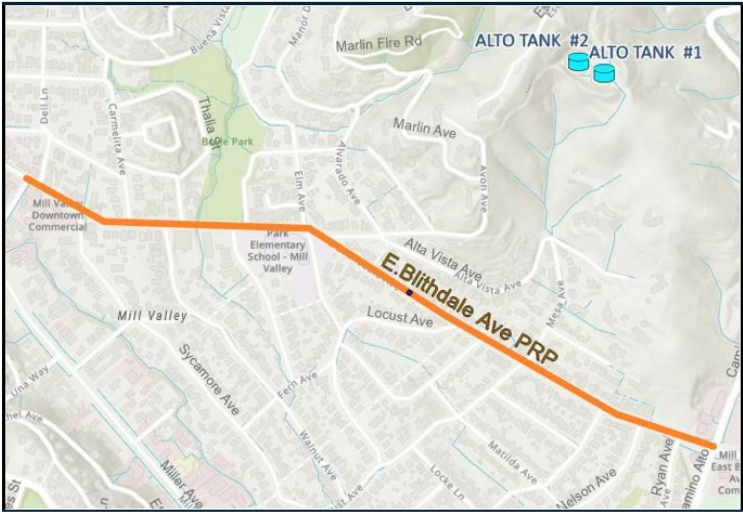
PROJECT DESCRIPTION

Install 4,400 feet of 8-inch Welded Steel and PVC pipe to replace 8-inch cast iron pipe installed in 1921 on Blithedale Avenue between Millwood Street and Camino Alto in the Town of Mill Valley.

FUNDING SOURCES FOR TOTAL PROJECT COST OVER MULTIPLE FISCAL YEARS	
Capital Maintenance Fund	\$2,854,000
Other Funding Sources	-
Total	\$2,854,000

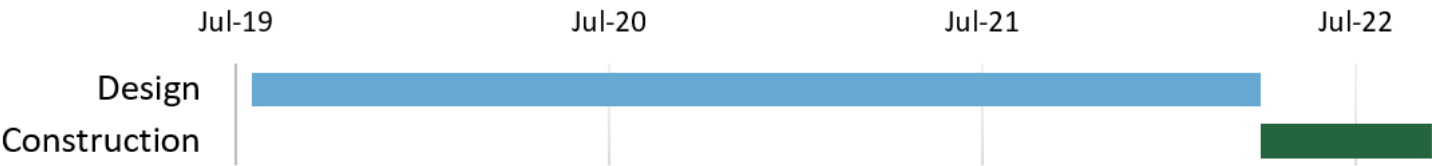


PROJECT LOCATION



SCHEDULE & STATUS

July 2019 to September 2022



Courtright System Improvement

PROJECT DESCRIPTION

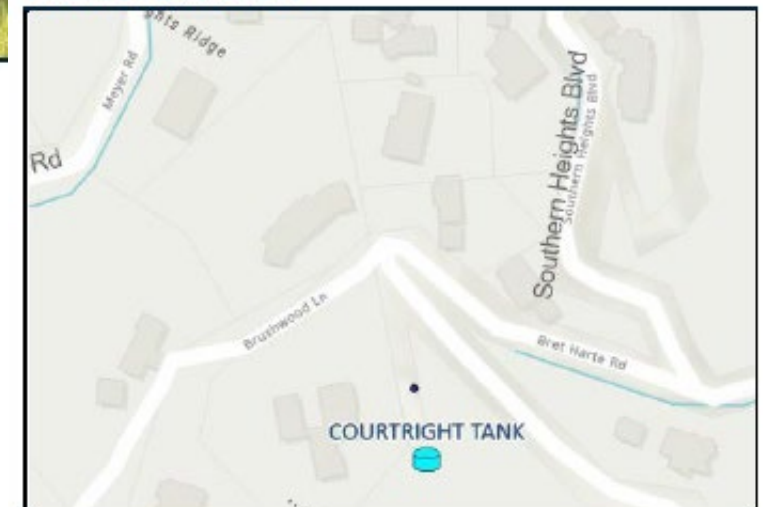
Install pressure regulator station and piping improvements to join Courtright system with Bret Harte system to allow removal of seismically deficient redwood tank

FUNDING SOURCES FOR TOTAL PROJECT COST OVER MULTIPLE FISCAL YEARS

Capital Maintenance Fund	\$477,000
Other Funding Sources	-
Total	\$477,000



PROJECT LOCATION



SCHEDULE & STATUS

May 2021 to November 2022

Jul-20
Planning
Design
Construction

Jul-21

Jul-22



SGTP Emergency Generator

PROJECT DESCRIPTION

Install of permanent emergency generator sets including, automatic transfer switch, fuel system, and electrical and communication system

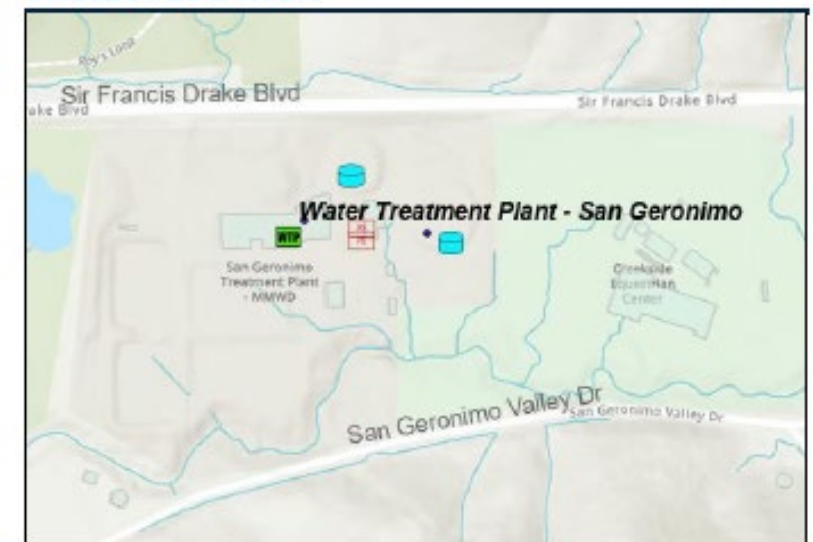
FUNDING SOURCES FOR TOTAL PROJECT COST OVER MULTIPLE FISCAL YEARS

Capital Maintenance Fund	\$5,143,000
Other Funding Sources	*\$1,000,000
Total	\$6,143,000

*\$1 million appropriation for Marin Water's emergency generator project was included in AB-178 (State Budget Act of 2022) which was signed by the Governor on June 20, 2022. The funds are still to be allocated to the District by the State Department of Water Resources.



PROJECT LOCATION



SCHEDULE & STATUS

December 2019 to March 2023



Treehaven Fire Flow Improvement Project

PROJECT DESCRIPTION

The project will install approximately 3,950 feet of 8-inch pipe and 2,710 feet of 6-inch pipe to replace old, leak prone cast iron pipe in San Rafael installed in 1927 in support of the District’s Fire Flow Improvement Program.

FUNDING SOURCES FOR TOTAL PROJECT COST OVER MULTIPLE FISCAL YEARS	
Capital Maintenance Fund	-
Fire Flow Improvement Program Fund	\$3,692,000
Total	\$3,692,000

PROJECT LOCATION



SCHEDULE & STATUS

April 2021 to February 2023



Redwood Fire Flow Improvement Project

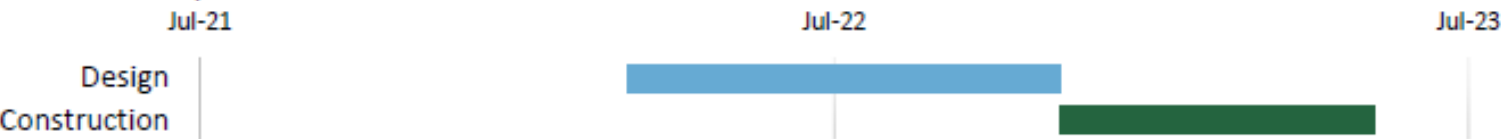
PROJECT DESCRIPTION

The project will install approximately 4,300 feet of 6-inch welded steel pipe to replace old, leak prone pipe installed as early as 1914 in the community of Woodacre in support of the District’s Fire Flow Improvement Program.

FUNDING SOURCES FOR TOTAL PROJECT COST OVER MULTIPLE FISCAL YEARS	
Capital Maintenance Fund	-
Fire Flow Improvement Program Fund	\$1,537,000
Total	\$1,537,000

SCHEDULE & STATUS

March 2022 to May 2023



PROJECT LOCATION



BFFIP Implementation

PROJECT DESCRIPTION

In October of 2019, the District adopted the Biodiversity, Fire, and Fuels Integrated Plan (BFFIP) which describes the actions the District will implement to reduce wildfire hazards and to maintain and enhance ecosystem function. Under the BFFIP there are 27 management actions that are being implemented to fulfill the goals and approaches described in the plan.



Funding Sources	Actuals Through FY22	FY23 Estimate	FY24 Estimate	FY 25 – 30 Estimate
Capital Maintenance Fund	\$868,485	\$1,129,000	\$1,170,000	\$8,066,000
Grant Funding	\$1,698,000	\$1,101,000	\$1,101,000	-
Operations Funding	\$573,722	\$922,000	\$1,038,000	\$7,164,572
Total	\$3,140,207	\$3,152,000	\$3,309,000	\$15,230,572

Summary

- Marin Water has an active CIP program with ongoing investments to maintain water system reliability
- The benefits from these investments span all parts of our service area
- The CIP program focuses primarily on upgrading aging infrastructure
- CIP revenue has been temporarily reduced with \$5M of CMF funding going to debt service
- Continuing to pursue several outside funding opportunities, ~\$68M