

Project #	Project Name	Status	Priority	Projected FY 22/23 to FY 30/32 Total	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY26/27	FY27/28	FY28/29	FY 29/30	FY 30/31	FY 31/32	Projected FY 22/23 to FY 30/32 Total
Equipment Purchase & Replacement															
06-03	SCADA/Telemetry/Electric Controls Replacement	Ongoing		\$ 500,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 500,000
15-04	Vactor Truck/Trailer		4	\$ 500,000							\$ 500,000				\$ 500,000
99-02	Vehicle Fleet Replacement	Ongoing		\$ 400,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 40,000	\$ 400,000
	Equipment Purchase & Replacement Totals			\$ 1,400,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 590,000	\$ 90,000	\$ 90,000	\$ 90,000	\$ 1,400,000
Facilities & Maintenance															
09-09	Fire Hydrant Replacement	Ongoing	2	\$ 1,400,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 140,000	\$ 1,400,000
NN-00	Pilarcitos Canyon Culvert Replacement	Not started	1	\$ 40,000	\$ 40,000										\$ 40,000
99-01	Meter Change Program	Ongoing	2	\$ 100,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 10,000	\$ 100,000
	Facilities and Maintenance Totals			\$ 1,540,000	\$ 190,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 1,540,000
Pipeline Projects															
13-02	Pipeline Replacement Under Creek at Pilarcitos Ave. (Strawflower) - CARRYOVER FROM FY 2021/2022	In Construction (June-July 2022)	1	\$ 400,000	\$ 400,000										\$ 400,000
14-01	Highway 92 - Replacement of Welded Steel Line (CARRYOVER from FY 2021/2022)	In Design	1	\$ 3,700,000	\$ 700,000				\$ 1,000,000	\$ 2,000,000					\$ 3,700,000
20-08	Grandview Pipeline Replacement Project CARRYOVER FROM FY2021/2022	100% Design; Bid Opening 4.26.2022; Construct Summer 2022	1	\$ 1,650,000	\$ 1,650,000										\$ 1,650,000
14-33	Miramar Cast Iron Pipeline Replacement	Not started	5	\$ 2,500,000						\$ 1,000,000	\$ 1,500,000				\$ 2,500,000
16-09	Magellan at Hwy 1/Miramar Dead Ends	Not started	5	\$ 500,000							\$ 500,000				\$ 500,000
18-01	Pine Willow Oak Pipeline Replacement	100% Design	2	\$ 2,500,000				\$ 2,500,000							\$ 2,500,000
21-01	Redondo Beach Loop to St Andrews Road	Not started	4	\$ 150,000		\$ 150,000									\$ 150,000
21-09	Miramar Tank/Pipeline Replacement (600 ft)	Not started	4	\$ 500,000							\$ 500,000				\$ 500,000
22-01	Miramontes Point Road Water Main Replacement	In Design	2	\$ 3,800,000					\$ 2,800,000	\$ 1,000,000					\$ 3,800,000
22-07	Alameda Ave Crossing at Medio Creek	Study	1	\$ 400,000		\$ 400,000									\$ 400,000
23-01	Seahaven/Spindrift Neighborhood Pipeline Replacement	Not started	4	\$ 2,000,000									\$ 2,000,000		\$ 2,000,000
23-02	Poplar Avenue Pipeline Replacement	Not started	5	\$ 2,000,000										\$ 2,000,000	\$ 2,000,000
NN-00	Unscheduled CIP			\$ 1,000,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 1,000,000
	Pipeline Projects Totals			\$ 21,100,000	\$ 2,850,000	\$ 650,000	\$ 100,000	\$ 2,600,000	\$ 3,900,000	\$ 4,100,000	\$ 2,600,000	\$ 100,000	\$ 2,100,000	\$ 2,100,000	\$ 21,100,000
Pump Stations/Tanks/Wells															
21-07	Carter Hill Tank Improvement Project	In Design	1	\$ 19,200,000	\$ 200,000	\$ 1,000,000	\$ 6,000,000	\$ 2,000,000				\$ 500,000	\$ 5,000,000	\$ 4,500,000	\$ 19,200,000
08-14	Alves Tank Rehabilitation/Replacement	100% Design Rehab	3	\$ 3,000,000							\$ 3,000,000				\$ 3,000,000
19-01	EG#1 Tank Improvement Project/New Pump Station	Design	3	\$ 1,000,000						\$ 1,000,000					\$ 1,000,000
14-33	Miramar Tank Rehabilitation	Not started	5	\$ 200,000							\$ 200,000				\$ 200,000
08-16	Cahill Tank Rehabilitation	Not started	3	\$ 125,000					\$ 125,000						\$ 125,000
20-16	Denniston Tank Rehabilitation	Not started	3	\$ 125,000					\$ 125,000						\$ 125,000
09-18	Upper Pilarcitos Well Field Replacements	Not started	2	\$ 1,000,000		\$ 500,000			\$ 500,000						\$ 1,000,000
16-08	Denniston Well Field Replacements	Not started	2	\$ 1,500,000	\$ 500,000		\$ 500,000				\$ 500,000				\$ 1,500,000
20-01	CSP Pump #1 Replacement		2	\$ 100,000			\$ 100,000								\$ 100,000
21-03	CSP Pump #3 Replacement	Not started	2	\$ 250,000				\$ 250,000							\$ 250,000
23-03	CSP Fire Sprinklers	Not started	1	\$ 150,000	\$ 150,000										\$ 150,000
19-05	Tanks - THM Control	Ongoing	1	\$ 50,000	\$ 50,000										\$ 50,000
	Pump Stations/Tanks/Wells Totals			\$ 26,700,000	\$ 900,000	\$ 1,500,000	\$ 6,600,000	\$ 2,250,000	\$ 750,000	\$ 1,000,000	\$ 3,700,000	\$ 500,000	\$ 5,000,000	\$ 4,500,000	\$ 26,700,000

Project #	Project Name	Status	Priority	Projected FY 22/23 to FY 30/32 Total	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY26/27	FY27/28	FY28/29	FY 29/30	FY 30/31	FY 31/32	Projected FY 22/23 to FY 30/32 Total
<div style="border: 1px solid black; padding: 2px; font-size: 8px; color: red;"> red = new projects; priority 1-5 - 1 is highest; shaded orange = carryover projects from prior years </div>															
Water Supply Development															
12-12	San Vicente/Denniston Water Supply Project	Ongoing	1	\$ 4,500,000	\$ 300,000	\$ 1,000,000	\$ 1,000,000	\$ 300,000	\$ 300,000	\$ 300,000	\$ 1,000,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 4,500,000
13-04	Denniston Reservoir Restoration	Ongoing	1	\$ 1,000,000				\$ 1,000,000							\$ 1,000,000
23-04	Lower Pilarcitos Well Development	Not started	2	\$ 2,750,000		\$ 250,000			\$ 500,000	\$ 1,000,000	\$ 1,000,000				\$ 2,750,000
17-12	Recycled Water Project Development	Not started	1	\$ 100,000	\$ 100,000										\$ 100,000
	Water Supply Development Totals			\$ 8,350,000	\$ 400,000	\$ 1,250,000	\$ 1,000,000	\$ 1,300,000	\$ 800,000	\$ 1,300,000	\$ 2,000,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 8,350,000
Water Treatment Plants															
20-14	Nunes Water Treatment Plant Improvement Project	Construction	1	\$ 4,500,000	\$ 3,500,000	\$ 1,000,000									\$ 4,500,000
23-05	Sodium Hypochlorite Generator Replacement (Nunes)	Not started	2	\$ 200,000	\$ 200,000										\$ 200,000
23-06	Existing Sedimentation Basin Rehabilitation	Not started	1	\$ 300,000		\$ 300,000									\$ 300,000
23-07	Denniston Contact Clarifier Hatch Replacements	Not started	2	\$ 75,000	\$ 75,000										\$ 75,000
NN-00	Denniston Water Treatment Plant Improvement Project	Not started	3	\$ 4,000,000								\$ 4,000,000			\$ 4,000,000
21-06	Nunes Effluent Meter	In design	2	\$ 150,000		\$ 150,000									\$ 150,000
	Water Treatment Plants Totals			\$ 9,225,000	\$ 3,775,000	\$ 1,450,000	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 4,000,000	\$ -	\$ -	\$ 9,225,000
GRAND TOTAL				\$ 68,315,000	\$ 8,205,000	\$ 5,090,000	\$ 7,940,000	\$ 6,390,000	\$ 5,690,000	\$ 6,640,000	\$ 9,040,000	\$ 4,940,000	\$ 7,440,000	\$ 6,940,000	\$ 68,315,000

Carryover	\$ 6,250,000	\$ 1,000,000
New	\$ 1,955,000	\$ 4,090,000
	\$ 7,940,000	\$ 6,390,000
	\$ 5,690,000	

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Coastside County Water District

Category: Equipment Purchase & Replacement

Number: 06-03

Project Name: SCADA/Telemetry/Electrical Controls Replacement

Budget: \$500,000

Description: This project provides for ongoing upgrading and replacement of controls at all the District's facilities and construction of a radio-based and cellular data communications network. Programmable Logic Controllers (PLCs) at the District's facilities which monitor reservoir levels, control treatment processes and pump stations, communicate critical data/tends to the District's operations center, and notify operators of alarm conditions.

Number: 15-04

Project Name: Vactor Truck/Trailer

Category: Equipment Purchase & Replacement

Budget: \$500,000

Description: Due to increased regulation of potable water discharges and risks associated with excavating around existing underground utilities, many water agencies have adopted the use of vacuum equipment for excavation of leaks. This item would fund purchase of a vactor truck.

Number: 99-02

Project Name: Vehicle Fleet Replacement

Category: Equipment Purchase & Replacement

Budget: \$400,000

Description: The District considers vehicles to have a useful life of 10 years or 100,000 miles. This project provides funding for periodic replacement of the vehicle fleet. The schedule plans for a replacement of one vehicle every year.

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Coastside County Water District

Category: Facilities Maintenance

Number: 09-09

Project Name: Fire Hydrant Replacement

Category: Facilities Maintenance

Budget: \$1,400,000

Description: This project provides continuing funding for replacement of fire hydrants that have reached the end of their service life. The district has ~647 fire hydrants, over half of these are dry barrel hydrants. The cost of replacing a hydrant ranges from \$7000-\$10,000.

Number: 99-01

Project Name: Meter Change Program

Category: Facilities Maintenance

Budget: \$100,000

Description: This project provides funding for the District's replacement of meters that have reached the end of their service life. In 2017-2018, the District replaced all residential meters and smaller commercial meters. The budget provides for ongoing replacement of larger meters (2" and above.)

Number: 23-01

Project Name: Pilarcitos Canyon Culvert Replacement

Category: Facilities Maintenance

Budget: \$40,000

Description: 'This project is to replace two 18" corrugated metal culvert pipes in the Pilarcitos Canyon access road. The culverts were damaged in the 2021 December storms during high creek flow periods. The culverts are of unknown age, appear to be near or at the end of their service life and in need of replacement.

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Category: Pipeline Projects

Number: 13-02

Project Name: Pipeline Replacement Under Creek at Pilarcitos Ave. (Strawflower)

Category: Pipeline Projects

Budget: \$400,000

Description: The District's Pilarcitos Creek pipeline is a 450-foot section crossing under the creek and is used to convey potable water to the southern portion of the District. The pipeline extends from Strawflower Village Shopping Center to the north and crosses underneath Pilarcitos Creek to Oak Avenue to the south. Contract has been awarded to Golden Bay Construction, with construction planned for Summer of 2022. The new pipeline will utilize a fusible High-Density Polyethylene (HDPE) pipeline via Horizontal Directional Drilling (HDD) methodology. EKI Environmental Consultants designed the pipeline. CEQA -IS/MND was completed a CDP was issued by the City of Half Moon Bay in January 2022.

Number: 14-01

Project Name: Replace 12" Welded Steel Line on Hwy 92

Category: Pipeline Projects

Budget: \$3,700,000

Description: When the District built the new Pilarcitos East Pipeline in the early 1990's to bring untreated water from Pilarcitos Reservoir and Crystal Springs to the Nunes Water Treatment Plant, the existing 12-inch welded steel raw water pipeline running along Highway 92 was repurposed to supply treated water to services along Highway 92. This (approximately) 12,000 foot pipeline is one of the oldest in the District and, like other welded steel pipelines.

Number: 20-08

Project Name: Grandview Pipeline Replacement Project/Highway 1 Crossing

Category: Pipeline Projects

Budget: \$1,650,000

Description: This project will replace approximately 2300 feet of 2-inch polyvinyl chloride (PVC) pipe on Golden Gate Avenue, Bancroft Avenue, Dwight Avenue and Pacific Avenue and 1100 feet of 6" cast iron mains in the Grandview Boulevard neighborhood. These mains are near the end of their service life, have been subject to numerous leaks. The project also includes replacement of 95 linear feet of the existing 6-inch cast iron pipe with new 8-inch ductile iron pipe under Highway 1 at Grandview Blvd via auger boring. This work is being done in anticipation of the City of Half Moon Bay's Highway 1 Safety and Operational Improvements Project in the project area which includes widening the highway, adding bike paths and bus pullouts. Work is anticipated to commence Summer 2022.

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Number: 14-33

Project Name: Miramar Cast Iron Pipeline Replacement

Category: Pipeline Projects

Budget: \$2,500,000

Description: This project would replace ~7,000+ feet of 8 inch and 10-inch cast iron mains in an area of Miramar bounded by Highway 1, Medio Avenue, and Washington Blvd. Most of these pipes were installed in the mid-1960's.

Number: 16-09

Project Name: Magellan at Hwy 1/Miramar Dead ends

Category: Pipeline Projects

Budget: \$500,000

Description: This project will replace the 10-inch cast iron pipeline on Magellan from 5th Avenue to Highway 1 that has had major leaks. In addition, the project will include eliminating many of the dead-ends in the Miramar neighborhoods.

Number: 18-01

Project Name: Pine Willow Oak Pipeline Replacement Project

Category: Pipeline Projects

Budget: \$2,500,000

Description: This project will replace ap. 1,350 linear feet of 8-inch cast iron pipe (CIP) on Pilarcitos Avenue and 3,000 linear feet of 4-inch CIP on Pine Avenue, Laurel Avenue, Willow Avenue, Cypress Avenue, and Oak Avenue. The cast iron 4" mains were installed in the early sixties. and are now approaching 60 years old. Engineering design and bid documents have been completed by EKI Environment and Water.

Number: 21-01

Project Name: Redondo Beach Loop to St. Andrews Road

Category: Pipeline Projects

Budget: \$150,000

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Number: 21-09

Project Name: Miramar Tank/Pipeline Replacement

Category: Pipeline Projects

Budget: \$500,000

Description: This project provides for upgrading ap. 600 feet of pipeline in the Miramar neighborhood for fire flow purposes.

Number: 22-01

Project Name: Miramontes Point Road Water Main Replacement

Category: Pipeline Projects

Budget: \$3,800,000

Description: This project will replace approximately 3,600 linear feet of 10-inch Ductile Iron pipe in Miramontes Point Road and ~2,200 of 6 inch in the adjacent neighborhood streets. There have been several large diameter holes in this pipe that causes significant paving and backfilling expenses.

Number: 22-07

Project Name: Alameda Avenue Crossing at Medio Creek

Category: Pipeline Projects

Budget: \$400,000

Number: 23-01

Project Name: Seahaven/Spindrifft Neighborhood Pipeline Replacement

Category: Pipeline Projects

Budget: \$2,000,000

Description: The Sea Haven/Spindrifft neighborhood is in future need of replacing approximately 3500 feet of cast iron pipe with Ductile Iron and installing a pressure reducing valve. (Date is TBD).

Number: 23-02

Project Name: Poplar Avenue Pipeline Replacement

Category: Pipeline Projects

Budget: \$2,000,000

Description: The Poplar neighborhood is in future need of replacing approximately 2,000 feet of cast iron pipe. (Date is TBD.)

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Category: Pump Stations/Tanks/Wells

Number: 21-07

Project Name: Carter Hill Tank Improvement Project

Category: Pump Stations/Tanks/Wells

Budget: \$19,200,000

Description: There are three welded steel water storage tanks located below Nunes Water Treatment Plant which were constructed over 50 years ago. The District plans to replace the three tanks with two prestressed concrete tanks. The first tank project is planned to start construction in Spring 2024 and will entail replacing Tanks 1 and 2 with a 2.1 MG prestressed concrete tank. The District engaged the engineering firm HDR, Inc. to prepare the tank design. (The 100% design will be completed Summer, 2022.) The second tank project is projected to start construction in FY30/31 and will include replacement of HMB Tank #3 with a 3MG prestressed concrete tank.

Number: Various

Project Name: CCWD Tank Improvement Project – Alves, EG #1, Miramar, Cahill, Denniston

Category: Pump Stations/Tanks/Wells

Budget: \$4,450,000

Description: Project will involve refurbishment or replacement of the District’s tanks – still to be determined given hydraulic modeling and engineering assessments.

Number: 09-18

Project Name: Upper Pilarcitos Well Field Improvements

Category: Pump Stations/Tanks/Wells

Budget: \$1,000,000

Description: Water from wells located on District property along upper Pilarcitos Creek represents an important water source for the District. Under the terms of a permanent water rights license, the District may pump up to 117 million gallons from these wells in the period from November 1 through March 31. Use of the wells results in substantial water cost savings versus the high cost of water purchased from San Francisco Public Utilities Commission. There are currently six active, and one inactive, wells on the bank of the Pilarcitos Creek that divert water during permitted winter extraction periods. These wells are in need of rehabilitation/replacement in order to maximize the District’s use during the permitted periods.

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Number: 16-08

Project Name: Denniston Well Field Improvements

Category: Pump Stations/Tanks/Wells

Budget: \$1,500,000

Description: The District currently has 2 active and 7 inactive wells in the Denniston Terrace deposits. These wells are near the end their useful service life and in need of replacement or rehabilitation. Additional groundwater could extend the operating period of the Denniston WTP.

Number: 20-01

Project Name: CSP Pump #1 Replacement

Category: Pump Stations/Tanks/Wells

Budget: \$100,000

Number: 22-02

Project Name: CSP Pump #3 Replacement

Category: Pump Stations/Tanks/Wells

Budget: \$250,000

Number: 19-05

Project Name: Tanks – THM Control

Category: Pump Stations/Tanks/Wells

Budget: \$50,000

Number: 23-03

Project Name: Crystal Springs Fire Sprinklers

Category: Pump Stations/Tanks/Wells

Budget: \$40,000

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Category: Water Supply Development

Number: 12-12

Project Name: San Vicente/Denniston Water Supply Project

Category: Water Supply Development

Budget: \$4,500,000

Description: A water rights permit issued in 1969 allows the District to divert up to 2 cubic feet per second each from San Vicente Creek. In order to secure this right on a permanent basis, the District must divert water from San Vicente Creek. Budget includes construction of a new pipeline from Upper San Vicente Reservoir to the Denniston Pump Station, construction of a new diversion structure on San Vicente Creek, and replacement of the existing District owned pipeline from the diversion site to Upper San Vicente Reservoir.

Number: 13-04

Project Name: Denniston Reservoir Restoration

Category: Water Supply Development

Budget: \$1,000,000

Description: Siltation in Denniston Reservoir has reduced its volume to a small fraction of the capacity that existed when the District built the Denniston Water Treatment Plant. This project would substantially restore the original volume of Denniston Reservoir. The Environmental Impact Report completed in 2015 for the Denniston/San Vicente Water Supply Project includes consideration of Denniston Reservoir dredging.

Number: 17-12

Project Name: Recycled Water Project Development

Category: Water Supply Development

Budget: \$100,000

Description: This project provides funding for a feasibility study of a future water reuse project.

Number: 23-04

Project Name: Lower Pilarcitos Well Development

Category: Water Supply Development

Budget: \$2,750,000

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Description: This project is focused on exploration of potential options for wells in lower Pilarcitos with a goal of diversifying the District’s water supply portfolio.

Category: Water Treatment Plants

Number: 20-14

Project Name: Nunes Water Treatment Plant Improvement Project

Category: Water Treatment Plants

Budget: \$4,500,000

Description: This project is a continuation of the \$9M project that was started in FY 21/22 to upgrade and rehabilitate ap. 25% of the Nunes Water Treatment Plant. This project construction of an additional sedimentation basin, rehabilitation and coating of all 4 filters, replacement of the filter valves and actuators, clearwell coating and replacement of the ladder and overflow pipe and construction of additional caustic storage. Estimated completion is Spring 2024.

Number: 23-06

Project Name: Nunes WTP – Existing Sedimentation Basin Rehabilitation

Category: Water Treatment Plants

Budget: \$300,000

Description: With the addition of a new sedimentation basin as part of the Nunes Water Treatment Plant Improvements Project, staff will be able to drain and inspect the original sedimentation basin and evaluate the need for repair and rehabilitation.

Number: 23-07

Project Name: Denniston WTP – Contact Clarifier Hatch Replacements

Category: Water Treatment Plants

Budget: \$75,000

Number: NN-NN

Project Name: Denniston Water Treatment Plant Improvement Project

Category: Water Treatment Plants

Budget: \$4,000,000

**COASTSIDE COUNTY WATER DISTRICT – FY2022-23 TO FY2031-32 CAPITAL IMPROVEMENT PROGRAM
PROJECT DESCRIPTIONS**

Description: This project (planned for FY 29/30) includes filter upgrades and improvements to the Water Treatment Plant in order to maximize use of the District’s existing water rights in the watershed.

Number: 21-06

Project Name: Nunes Effluent Meter

Category: Water Treatment Plants

Budget: \$150,000

Description: The installation of a bi-directional magnetic flow meter and associated piping below the Half Moon Bay tank site will allow for better tracking water produced vs sales.

Number: 23-05

Project Name: Sodium Hypochlorite Generator Replacement (Nunes)

Category: Water Treatment Plants

Budget: \$200,000

Description: The existing Nunes Hypochlorite Generation system was installed in 2010 as part of the chemical delivery system upgrades. . This project proposes to install another complete redundant system that could be run as the primary unit and allow time to rebuild the other unit so it can be available to switch over to in an emergency.