

STAFF REPORT

To: Coastside County Water District Board of Directors

From: Mary Rogren, General Manager

Agenda: November 8, 2022

Report Date: November 4, 2022

Subject: Capital Improvement Program Update

Recommendation:

For Information Only.

Background:

At the October 11, 2022 regular Board of Directors' Meeting, the Board requested that staff provide an update on the progress of capital projects at the November Board meeting. On October 31, 2022 staff held a Facilities Committee Meeting to discuss capital projects, and staff will provide an update to the full Board at the November 8 meeting.

Key highlights for Fiscal Year 2022-2023 through October 2022 include the following:

- Completion of the water line replacement under Pilarcitos Creek from Strawflower to Pilarcitos/Oak Avenue. This project replaced one of the oldest pipelines in the District that provides water to areas of the District south of the creek including downtown Half Moon Bay (\$.6M).
- Began construction of Grandview neighborhood pipeline replacement project to be completed in December 2022 (\$1.7M).
- Continued work on Nunes Water Treatment Improvement Project (FY2022-FY2024 Total Cost = \$9M)
- Pipeline projects in design include: Miramontes Point Road water main replacement; Highway 92 water main replacement (3,000 foot section); Alameda Ave crossing at Medio Creek; Poplar Avenue pipeline replacement (New - given City of Half Moon Bay project.)
- Carter Hill Tank Replacement Project - at 100% design.

See the attached exhibits that will be referenced in the November 8, 2022 Board meeting:

Exhibit A - Capital Improvement Projects - Status Report 10.31.2022

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Exhibit B - 10 Year Capital Improvement Plan (approved June 14, 2022) - FY2022/23 to
FY2031/32

Exhibit C - CIP Brochure

**COASTSIDE COUNTY WATER DISTRICT
CAPITAL IMPROVEMENT PROJECTS - STATUS REPORT
FISCAL YEAR 2022/2023**

10/31/2022

* Approved June 2022

Status	Approved* CIP Budget FY22/23	Actual To Date FY22/23	Projected FY22/23	Variance vs. Budget	% Completed	Project Status/ Comments
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Equipment Purchases & Replacement

06-03	SCADA/Telemetry/Electrical Controls Replacement	ongoing	\$ 50,000		\$ 50,000	\$ -	0%	
99-02	Vehicle Fleet Replacement	ongoing	\$ 40,000		\$ 40,000	\$ -	0%	

Facilities & Maintenance

09-09	Fire Hydrant Replacement	ongoing	\$ 140,000		\$ 140,000	\$ -	0%	Proposal to Board November 2022
	Pilarcitos Canyon Culvert Replacement	TBD	\$ 40,000		\$ 40,000	\$ -	0%	Likely June 2022
99-01	Meter Change Program	ongoing	\$ 10,000		\$ 10,000	\$ -	0%	

Pipeline Projects

20-08	Grandview Pipeline Replacement Project	Construction	\$ 1,650,000	\$ 335,424	\$ 1,650,000	\$ -	20%	Awarded in June 2022; Construction started in 10/2022
13-02	Pipeline Replacement Under Creek at Pilarcitos Ave/Strawflower	Construction	\$ 400,000	\$ 375,998	\$ 400,000	\$ -	95%	Completed September 2022
14-01	Highway 92 - Replacement of Welded Steel Line	In design	\$ 700,000	\$ 14,941	\$ 150,000	\$ 550,000	0%	Moved construction to FY2023/24

Pump Stations / Tanks / Wells

21-07	Carter Hill Tank Improvement Project	In design	\$ 200,000	\$ 49,527	\$ 200,000	\$ -	0%	At 100% design
09-18	Denniston Well Field Replacements	TBD	\$ 500,000		\$ 100,000	\$ 400,000	0%	Consulting work in 2022-23; construction pushed to 2023-2024
23-03	CSP Fire Sprinklers	TBD	\$ 150,000		\$ 150,000	\$ -	0%	
19-05	Tanks - THM Control	Ongoing	\$ 50,000		\$ 50,000	\$ -	0%	

Water Supply Development

14-25	San Vicente/Denniston Water Supply Development	ongoing	\$ 300,000	\$ 53,572	\$ 300,000	\$ -	n/a	
17-12	Recycled Water Project Development	ongoing	\$ 100,000		\$ 100,000	\$ -	n/a	

Water Treatment Plants

20-14	Nunes Water Treatment Plant Improvement Project	Construction	\$ 3,500,000	\$ 503,778	\$ 2,750,000	\$ 750,000	53%	Construction started August 2021; To be completed in FY 2023/2024; moved \$750M to FY2023/2024 given construction delays
23-05	Sodium Hypochlorite Generator Replacement (Nunes)	TBD	\$ 200,000		\$ 200,000		0%	
23-09	Denniston Contact Clarifier Hatch Replacements	TBD	\$ 75,000	\$ 10,525	\$ 75,000		0%	

UNSCHEDULED/NEW CIP ITEMS FOR CURRENT FISCAL YEAR 2021/2022

23-08	Nunes Magnetic Meter Project	in process		\$ 84,961	\$ 150,000	\$ (150,000)	57%	Planned for FY2023-24 - moved up to FY2022/23
	CSP Screens/Valves - Project TBD	TBD			\$ 250,000			
NN-00	Unscheduled CIP		\$ 100,000		\$ 100,000	\$ -	0%	
	Poplar Avenue Pipeline Replacement				\$ 400,000	\$ (400,000)		Move up Poplar Ave Pipeline Replacement to FY2022/2023 due to City project

COASTSIDE COUNTY WATER DISTRICT
 CAPITAL IMPROVEMENT PROJECTS - STATUS REPORT
 FISCAL YEAR 2022/2023

10/31/2022

* Approved June 2022

Status	Approved* CIP Budget FY22/23	Actual To Date FY22/23	Projected FY22/23	Variance vs. Budget	% Completed	Project Status/ Comments
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NEW FY2022/2023 CIP TOTAL	\$ 8,205,000	\$ 1,428,727	\$ 7,305,000	\$ 1,150,000		
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FY2021/2022 CIP Carryover Projects

22-01	Miramontes Point Road Water Main Replacement	in design	\$ -	\$ 12,016	\$ 40,000	\$ (40,000)	n/a	
22-05	ACCELA Planning Software	in process	\$ -	\$ 8,060	\$ 20,000	\$ (20,000)	80%	
22-06	CSP Pump #2 Replacement (2022)	in process	\$ -	\$ 2,812	\$ 2,812	\$ (2,812)	100%	
22-07	Alameda Ave Crossing at Medio Creek Pipeline Replacement	pre-design	\$ -	\$ 8,600	\$ 400,000	\$ (400,000)	n/a	Move up construction from FY24 to FY23
22-08	WIMS Software Implementation	in process	\$ -		\$ 40,000	\$ (40,000)	20%	

FY2021/2022 CARRYOVER PROJECTS	\$ -	\$ 31,487	\$ 502,812	\$ (502,812)		
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Green = approved by the Board/in process

TOTAL - FY 2022/2023 CIP + PRIOR YEAR CARRYOVER	\$ 8,205,000	\$ 1,460,215	\$ 7,807,812	\$ 647,188		
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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

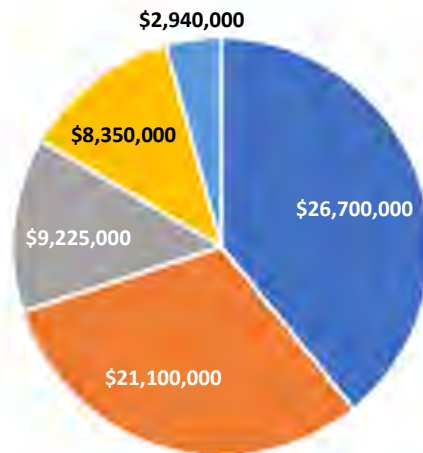
Project #	Project Name	Status	Priority	Projected FY 22/23 to FY 30/32 Total	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY26/27	FY27/28	FY28/29	FY 29/30	FY 30/31	FY 31/32	Projected FY 22/23 to FY 30/32 Total
Water Supply Development															
12-12	San Vicente/Denniston Water Supply Project	Ongoing	1	\$ 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	

The Value of Water Infrastructure

FY2022-2023 to FY2031-32
10 Year Capital Improvement Program
\$68 Million

- Water Tanks, Pump Stations, Wells
- Pipeline Projects
- Water Treatment Plants
- Water Supply Development
- Equipment and Facilities



Approved 6.14.2022

COASTSIDE COUNTY WATER DISTRICT



Lower Pilarcitos Creek
Undercrossing at Oak Avenue
Summer 2022





Water System Facts

Pipeline	100 miles
Water Tanks	11 tanks
Water Treatment Plants	2 plants
Pump Stations	7 stations
Fire Hydrants	660 hydrants
Retail Water Meters	7,668 meters

Nunes Water Treatment Plant Upgrades 2021-2023

