



**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ZONE 3 ADVISORY COMMITTEE
MEETING MINUTES
THURSDAY NOVEMBER 16, 2023**

I. Call to Order and Roll Call -- The Zone 3 Advisory Committee Meeting was called to order at 10:30 AM at the City of Arroyo Grande by Kristen Barneich. County Public Works Utilities Division Senior Engineer and Secretary to the Advisory Committee, David Spiegel, called roll. Quorum was present. Members in attendance were:

- Kristen Barneich, City of Arroyo Grande
- Vard Ikeda, Agriculture Member
- Ron Reilly, Member at Large Delegate
- Marcia Guthrie, City of Pismo Beach
- Shirley Gibson, Oceano Community Services District
- Daniel Rushing, City of Grover Beach
- Brad Hagemann, Community Services District 12

II. Public Comment – This is an opportunity for members of the public to address the Committee on items that are not on the Agenda. No public comment.

III. Approval of Meeting Minutes

A. September 21, 2023, Special Meeting (Attachment 1 of the Agenda Packet)
– *Member Vard Ikeda motioned to approve, Second by Member Ron Reilly. Motion passed.*

IV. Approval of 2024 Meeting Schedule (Attachment 2 of the Agenda Packet) – Member Ron Reilly motioned to approve, Second by Brad Hagemann- All in favor Motion passed.

V. Operations Report

A. Water Plant Operations, Reservoir Storage, Downstream Releases (Verbal Update) — Plant production is at 2.4 million gallons per day (MGD); State Water is at 2.5 million gallons per day (MGD); downstream release is at 3.2 million gallons per day (MGD), Lopez Lake elevation was 519.80 feet; storage 46,856 acre-feet (AF), which is 94.9% capacity.

B. Projected Reservoir Levels (Attachment 3 of the Agenda Packet) — Review of the Lopez Reservoir Storage Projection Chart. David Spiegel states that the graph is based off historical totals of rainfall, this is the reason behind the discrepancies in the graph. It may take a year to get a more accurate tracking.

C. September and October Monthly Operations Report (Attachment 4 of the Agenda Packet) — David Spiegel explains “As we have been developing this report, we have been noticing that it isn’t tracking, so we have added additional data. This is mostly for the project water and refers to the storage buckets”. Take about a year to sort it out and at this time we believe it is more accurate. In the future we will be working through a program “Power BI” which has a good

graphical interface. Our intention is to provide each of you with your own Power BI presentation of your usage. This would be an online portal.

- i. Brad Hagemann "With the Power BI would that be our own particular buckets? David Spiegle responds "Exactly each individual agency would have its own chart.
- ii. Member Kristen Barneich let the record show that Shirley Gibson has joined.
- iii. Member Kristen Barneich asks, "Did you say with; the rain projected we would still be at 40,000-acre feet?" David Spiegle replies "Yes, per our storage projections chart. The no rain projection is tracking your historical usage. If you continue to use water how you have used it historically you would still have 40,000-acre feet.

No public comment was given.

VI. Information Items

A. 1st Quarter Budget Status (Attachment 5 of the Agenda Packet)

Summary of overall budget.

- i. The annual budget was 8.5 million dollars, we spent \$1.4 million dollars with 16% expended.
- ii. Routine O&M budget of \$5.0 million dollars, we spent \$1.3 million dollars with 26% expended.
- iii. Non-Routine O&M budget approximately \$1.48 million, with 5% expended. This will start tracking more normal due to projects wrapping up.
- iv. Capital Outlay budget of \$2.031 million dollars, with 1% expended. Projects are being worked on now, as we progress our actuals and budget will catch up to each other. We are working on the Fireflow tank, The Cathodic Protection project is currently in progress and that is budgeted at \$480,000. We recently cut the PO for the wo (2) Membrane Filter Modules at a cost of \$590,000.

Member Brad Hagemann "How many membrane racks do we have out there?" David Spiegel replies "We have six (6) membrane racks, the 6th one was put in 2017 so it is new. We are only replacing membranes on 1 through 5. We have already done one (1) this year and we have already bought two (2) more and only have 2 racks left. Brad Hagemann "What is the life on the racks?" David Spiegel states they are warranted for 10 years. Brad Hagemann "Did we suspend cloud seeding?" David replied that yes, we suspended the cloud seeding for this year, but it was helpful because it allowed us to put those funds towards the Fireflow tank allocation.

Member Vard Ikeda "In regard to the Fireflow tank, "Why do we need one if we have all those acre feet of water? David Spiegle explains that alternatives such as a fireflow pump would require routine maintenance and a certified operator to run it, which would be expensive. Replacing the fireflow tank is the best and least expensive option.

VII. Capital Projects Update

A. Bimonthly Update (Attachment 6 of the Agenda Packet)

- **Fireflow Tank Replacement**

- Starting project execution plan
- Preparing RFP for tank design

- **Membrane Module Replacement**

- PO created to purchase 2 racks. The cost is significantly more expensive than when we first purchased the modules. The cost was in the past \$170,000 for one rack and now the cost is \$590,000 for two (2) racks.

- Budget~ \$600,000
- **Spillway Assessment and Investigation (No change)**
 - Performed Electrical Resistivity Test
 - Scope and schedule for non-destructive testing in Review by District. Working with DSOD on non-destructive/destructive plan, waiting on final comments from DSOD to move forward.
 - Remainder of project ` minimum of \$3000,000
- **Geotechnical Testing & Seismic Alternatives Study of Terminal Reservoir Dam (no change)**
 - Draft Seismic Hazard TM has been prepared.
 - Sending to DSOD for comment
 - GEI is working on the Geotechnical Engineering Report, we should receive this by the end of the year.
 - Budget \$500,000
- **Cathodic Protection Repair Project**
 - Currently installing new test stations.
 - Rectifiers to be done next and the project should be done in a month.
 - Budget ~\$449,933
- **CO2 Injection System**
 - CO2 Tank and Carbonic Acid Skid has been delivered.
 - Long lead items are finally here, awaiting installation.
 - Budget ~\$256,000
- **Chemical Tank Replacement**
 - Ordered tanks.
 - Project Scheduled for mid-January into February
 - Budget ~\$350,000
- **Sludge Bed Curtain Wall rehabilitation**
 - PO has just been cut to have a contractor come out to dig up existing wall and figure out how to waterproof it.
- **Bathymetric Study**
 - All surveys have been completed at the reservoirs and we are just waiting for the reports.

Member Kristen Barneich “It seems like a lot of projects are going on. Is that because everything is coming due because it is old and antiquated or is this normal?” David Spiegel “It is normal, it is age, routine and being proactive.

Member Ron Reily “Regarding the Cathodic Protection, I’m noticing the budget is down to the dollar yet everything else is a round number.” David Spiegler “this project was broken down into 3 separate stages and we used a cost consultant. Member Ron Reily “As far as the Geotechnical investigation, we have been working on that for a couple of years, right?” Davids Spiegel “Yes because we looked at decommissioning the terminal at one point.

VIII. Action Items (No Subsequent Board of Supervisors Action Required)

No Action items.

IX. Action Items (Board of Supervisors Actions is Subsequently Required)

No Action items.

X. Future Agenda Items

No Future Agenda Items

XI. Committee Member Comments

- A. Member "Shirley Gibson OCSD are buying new chairs.
- B. Vard Ikeda "They are pulling a gigantic hoop thing around? Who is collecting the data and why? David Spiegel "Will talk to water resource group to find out who is collecting the data and bring the information back to the next meeting.

Meeting Adjourned at 10:55 AM by Kristen Barneich; next regular meeting is scheduled for January 18, 2024, at City of Grover Beach Council Chambers

Respectfully Submitted,

Darla Budge
County of San Luis Obispo Public Works Department

**San Luis Obispo County Flood Control and Water District
Zone 3 - Lopez Project - Monthly Operations Report
November, 2023**

PROJECT WATER																							
AVAILABLE WATER (APR-MAR)					DELIVERIES																		
CONTRACTOR	ENTITLEMENT	STORED PW*	SURPLUS WATER AVAILABLE	TOTAL AVAILABLE PW	THIS MONTH										APRIL TO PRESENT								
					ENTITLEMENT		STORED PW		SURPLUS PW		DELIVERIES DURING SPILL	TOTAL			ENTITLEMENT		STORED PW		SURPLUS PW		DELIVERIES DURING SPILL	TOTAL USAGE	
					USAGE	%	USAGE	%	USAGE	%	USAGE	USAGE	USAGE	%	USAGE	%	USAGE	%	USAGE	%	USAGE	%	USAGE
AG	2290	0	0	2290	163.57	7%	0.0	0%	0.0	0%	0.00	163.57	7%	962.9	42%	0.0	0%	0.0	0%	405.05	1367.99	60%	
OCSD	303	0	0	303	22.07	7%	0.0	0%	0.0	0%	0.00	22.07	7%	303.00	100%	0.0	0%	0.0	0%	96.60	399.60	132%	
GB	800	0	0	800	64.85	8%	0.0	0%	0.0	0%	0.00	64.85	8%	365.3	46%	0.0	0%	0.0	0%	164.17	529.51	66%	
PB	892	0	0	892	0.87	0%	0.0	0%	0.0	0%	0.00	0.87	0%	138.2	15%	0.0	0%	0.0	0%	275.16	413.40	46%	
CSA 12	245	0	0	245	6.28	3%	0.0	0%	0.0	0%	0.00	6.28	3%	42.5	17%	0.0	0%	0.0	0%	19.90	62.43	25%	
SM	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
TOTAL	4530	0	0	4530	257.64	5.7%	0.0	0%	0.0	0%	0.00	257.64	5.7%	1812.1	40.0%	0	0.0%	0.0	0%	960.88	2772.93	61%	

STATE WATER PROJECT WATER													
CONTRACTOR	ANNUAL REQUEST**	CUMULATIVE SSWPW ***	DELIVERIES										
			THIS MONTH					JANUARY TO PRESENT					
			ALLOCATION			DIE	AIE	TOTAL	ALLOCATION		DIE	AIE	TOTAL
			REQUEST	USAGE	%	USAGE	USAGE	USAGE	USAGE	%	USAGE	USAGE	USAGE
AG	N/A	0.0	N/A	N/A	N/A	0.0	0.0	0.00	N/A	N/A	0	0	0.00
OCSD	187.5	0.0	0.0	30.67	16.4%	0.0	0.0	30.67	125.3	67%	0	0	125.30
GB	N/A	0.0	N/A	N/A	N/A	0.0	0.0	0.00	N/A	N/A	0	0	0.00
PB	1070.0	0.0	120.0	120.00	11%	0.0	0.0	120.00	947.5	89%	0	0	947.45
CSA 12	96.0	0.0	7.5	7.50	8%	0.0	0.0	7.50	82.9	86%	0	0	82.94
SM	90.0	0.0	7.0	12.43	14%	0.0	0.0	12.43	71.2	79%	0	0	71.23
TOTAL	1443.5	0.0	134.5	170.60	12%	0.0	0.0	170.60	1226.9	85%	0	0	1226.92

CONTRACTOR	TOTAL MONTHLY DELIVERIES [AF]
AG	163.57
OCSD	52.74
GB	64.85
PB	120.87
CSA 12	13.78
SM	12.43
TOTAL	428.24

DAM & OTHER OPERATIONS			
	THIS MONTH	WY TO DATE	MAX CAPACITY
LAKE ELEVATION (ft)	519.76	N/A	522.6
STORAGE [AF]	46998	N/A	49200
MONTHLY RAINFALL [in] (Annual: July 1- June 30)	0.10	0.10	N/A
DOWNSTREAM RELEASES [AF]	321.01	1970.3	4200.0
LAKE TO TERMINAL [AF]	400.5	2608.6	N/A
SPILLAGE [AF] (WY)	0.00	8968.1	N/A
AG WHEELING OCEANO WATER	1.48	N/A	N/A

GLOSSARY
AIE: Agency Initiated Exchange
DIE: District Initiated Exchange
N/A: Not Applicable
PW: Project Water aka Lopez Water
Surplus Water: Carry Over Water (LRRP)
SWP: State Water Project
SSWPW: Stored SWP Water
* Stored PW includes Surplus water declared
** Actual amount available is dependent on the State's (DWR) delivery %
*** Stored SWP water resulting from AIE

NOTES
1) New Contract Changes effective October 1, 2022
2) On 12/31/22 there was an estimated 655.5 AF of District SSWPW remaining including approximately 46 AF of water lost to evaporation in 2022.
3) In March 2023, 5489 AF of water spilled resulting in loosing all of the District SSWPW, Agency SSWPW, and Stored PW.
4) 44.53 AF of March Project Water Deliveries will be credited to Stored PW at the end of the 2022//2023 water year (WY) due to March spill event.
5) End of WY water credit of 44.53 AF was added to Stored PW. 44.53 AF of Stored PW was lost due to April spill event.
6) 364.03 AF of April Project Water Deliveries are reported in the "Deliveries During Spill" column due to April spill event.
7) 426.5 AF of May Project Water Deliveries are reported in the "Deliveries During Spill" column due to May spill event.
8) 170.38 AF of June Project Water Deliveries are reported in the "Deliveries During Spill" column due to June spill event.

**San Luis Obispo County Flood Control and Water District
Zone 3 - Lopez Project - Monthly Operations Report
December, 2023**

PROJECT WATER																							
AVAILABLE WATER (APR-MAR)					DELIVERIES																		
CONTRACTOR	ENTITLEMENT	STORED PW*	SURPLUS WATER AVAILABLE	TOTAL AVAILABLE PW	THIS MONTH									APRIL TO PRESENT									
					ENTITLEMENT		STORED PW		SURPLUS PW		DELIVERIES DURING SPILL	TOTAL		ENTITLEMENT		STORED PW		SURPLUS PW		DELIVERIES DURING SPILL	TOTAL USAGE		
					USAGE	%	USAGE	%	USAGE	%	USAGE	USAGE	%	USAGE	%	USAGE	%	USAGE	%	USAGE	%	USAGE	%
AG	2290	0	0	2290	154.43	7%	0.0	0%	0.0	0%	0.00	0.00	7%	1117.4	49%	0.0	0%	0.0	0%	405.05	1522.42	66%	
OCSD	303	0	0	303	0.00	0%	0.0	0%	0.0	0%	0.00	0.00	0%	303.0	100%	0.0	0%	0.0	0%	96.60	399.60	132%	
GB	800	0	0	800	68.89	9%	0.0	0%	0.0	0%	0.00	68.89	9%	434.2	54%	0.0	0%	0.0	0%	164.17	598.40	75%	
PB	892	0	0	892	19.98	2%	0.0	0%	0.0	0%	0.00	19.98	2%	158.2	18%	0.0	0%	0.0	0%	275.16	433.38	49%	
CSA 12	245	0	0	245	3.83	2%	0.0	0%	0.0	0%	0.00	3.83	2%	46.4	19%	0.0	0%	0.0	0%	19.90	66.26	27%	
SM	N/A	N/A	0	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A	
TOTAL	4530	0	0	4530	247.13	5.5%	0.0	0%	0.0	0%	0.00	247.13	5.5%	2059.2	45.5%	0	0.0%	0.0	0%	960.88	3020.06	67%	

STATE WATER PROJECT WATER													
CONTRACTOR	ANNUAL REQUEST**	CUMULATIVE SSWPW ***	DELIVERIES										
			THIS MONTH					JANUARY TO PRESENT					
			ALLOCATION		DIE	AIE	TOTAL	ALLOCATION		DIE	AIE	TOTAL	
REQUEST	USAGE	%	USAGE	USAGE	USAGE	%	USAGE	USAGE	USAGE	USAGE			
AG	N/A	0.0	N/A	N/A	N/A	0.0	0.0	0.00	N/A	N/A	0	0	0.00
OCSD	187.5	0.0	62.5	50.46	26.9%	0.0	0.0	50.46	175.8	94%	0	0	175.76
GB	N/A	0.0	N/A	N/A	N/A	0.0	0.0	0.00	N/A	N/A	0	0	0.00
PB	1070.0	0.0	90.0	90.00	8%	0.0	0.0	90.00	1037.5	97%	0	0	1037.45
CSA 12	96.0	0.0	7.5	6.99	7%	0.0	0.0	6.99	89.9	94%	0	0	89.93
SM	90.0	0.0	7.0	5.54	6%	0.0	0.0	5.54	76.8	85%	0	0	76.77
TOTAL	1443.5	0.0	167.0	152.99	11%	0.0	0.0	152.99	1379.9	96%	0	0	1379.91

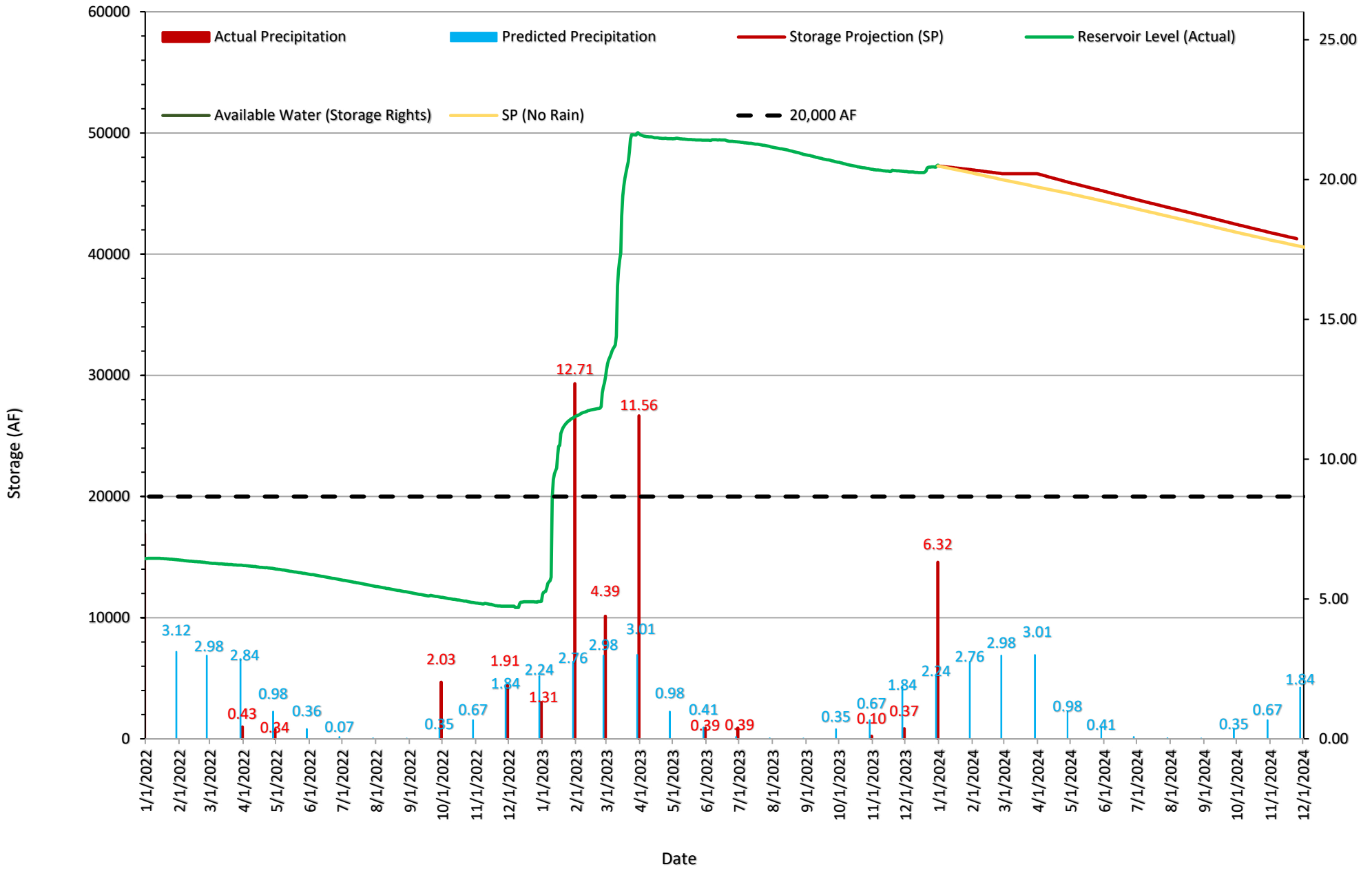
CONTRACTOR	TOTAL MONTHLY DELIVERIES [AF]
AG	154.43
OCSD	50.46
GB	68.89
PB	109.98
CSA 12	10.82
SM	5.54
TOTAL	400.12

DAM & OTHER OPERATIONS			
	THIS MONTH	WY TO DATE	MAX CAPACITY
LAKE ELEVATION (ft)	520.37	N/A	522.6
STORAGE [AF]	47365	N/A	49200
MONTHLY RAINFALL [in] (Annual: July 1- June 30)	6.32	7.48	N/A
DOWNSTREAM RELEASES [AF]	248.27	2934.50	4200.0
LAKE TO TERMINAL [AF]	221.3	3676.22	N/A
SPILLAGE [AF] (WY)	0.00	8968.15	N/A
AG WHEELING OCEANO WATER	1.42	N/A	N/A

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SWP: State Water Project
SSWPW: Stored SWP Water
* Stored PW includes Surplus water declared
** Actual amount available is dependent on the State's (DWR) delivery %
*** Stored SWP water resulting from AIE

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LOPEZ RESERVOIR STORAGE PROJECTION



Notes:

Reservoir Storage = Current Storage + Inflow - Outflow

Outflow = Agency Usage + Downstream Releases

Agency Usage: is based on 2010-2021 average monthly deliveries

Predicted Inflow: is dependent on the predicted rainfall obtained from longrangeweather.com

Inflow is affected by antecedent soil conditions and factored into the model. Rainstorms will produce less inflow during the dry months than during the rainy season when the soil is saturated.

The **Storage Projection Model** is based on a polynomial regression (concave in shape). The (concave) **Storage Projection Graph** will fall below the (linear) **Storage Projection with No Rain Graph** during months of low predicted rainfall.



ZONE 3 Lopez Project

San Luis Obispo County Flood Control and Water Conservation District

TO: Zone 3 Advisory Committee

FROM: David Spiegel, PE

DATE: January 18, 2024

SUBJECT: Zone 3 Projects Update

Project Updates:

- Fireflow Tank Replacement
 - Geotech work has been completed
 - Working on 60% design plans
 - Budget ~\$800,000

- Membrane Module Replacement
 - Modules to be delivered in April
 - PO Created to purchase 2 racks
 - Budget ~\$600,000

- Spillway Assessment and Investigation (No Change)
 - Performed Electrical Resistivity Test
 - Scope and schedule for Non-destructive testing in Review by District
 - Remainder of project ~ minimum of \$300,000

- Geotechnical Testing & Seismic Alternatives Study of Terminal Reservoir Dam
 - DSOD approved testing data
 - GEI is working on Geotechnical Engineering Report
 - Budget ~\$500,000

- Cathodic Protection Repair Project
 - Finishing the installation of the new test stations
 - Starting work on rectifiers
 - Budget ~\$449,933

- CO2 Injection System
 - SCADA programming is occurred last week
 - Potential startup and completion by this week
 - Budget ~\$256,000

- Chemical Tank Replacement (No Change)
 - Waiting on delivery date for tanks
 - Project Scheduled for mid-January into February
 - Budget ~\$350,000



ZONE 3 Lopez Project

San Luis Obispo County Flood Control and Water Conservation District

- Sludge Bed Curtain Wall Rehabilitation
 - Prepared alternatives for repair
 - Getting Quotes for the two alternatives
 - ~\$50,000 per initial quote
- Bathymetric Study
 - Completed
 - ~4.7% Siltation over the last 21 years. 0.22%/year)
 - ~\$90,000
- DAF Building Repairs (No Change)
 - DAF building has rust damage in multiple girders and roll up doors
 - Rafters support safety tether for maintenance of DAF equipment
 - ~\$95,000

Completed Projects

- Lopez Water Treatment Plant Rack 1 Membrane Replacement
- Tesla Battery Storage
- Lopez WTP Safety Upgrades (Cancelling)
- Equipment Storage Building (Cancelling)
- Chlorine Dioxide Bulk Storage Tank

Flood Control Zone 3

Proposed Budget



Fiscal Year

2024-25



FLOOD CONTROL ZONE 3 2024-25 PROPOSED BUDGET

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January 11, 2024

MEMORANDUM

TO: Flood Control Zone 3 Advisory Committee

FROM: Katie Franco, San Luis Obispo County Public Works Finance Manager

SUBJECT: Flood Control Zone 3 - Proposed Budget FY 2024-25

The 2024-25 Flood Control Zone 3 Proposed Budget has been prepared by the County Department of Public Works for your review. The proposed budget will also be mailed to the contracting agencies’ Finance Directors and Technical Advisory Committee (TAC) members and City/General Managers. An in-depth review with agency Finance Staff and Technical Staff will be held before final review by the Zone 3 Advisory Committee, scheduled for **March 21, 2024**.

A summary of changes from the 2023-24 budget to the proposed 2024-25 budget is as follows:

Description	2023-24 Budget	2024-25 Budget	Dollar Change	Percentage Change
Operations & Maintenance				
Billable Routine	4,921,200	5,024,924	103,724	2.1%
Billable Non-Routine *	300,000	221,349	(78,651)	(26.2%)
Total O&M	5,221,200	5,246,273	25,073	0.5%
Billable Capital Outlay/Reserves *	450,000	630,000	180,000	40%
Billable Debt Service	2,243,327	2,213,016	(30,311)	(1.4%)
Total Contractor Billings	\$7,914,527	\$8,089,289	\$174,762	2.21%

* Non-Routine O&M & Capital	750,000	851,349	101,349	13.5%
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Variance Discussion:

The overall contractor billings will increase by 2.21% for FY 2024-25. Overall operations and maintenance billings have increased approximately 0.5%. Documents within this booklet analyze the details related to changes between the 2024-25 and 2023-24 Proposed Budgets. On a bottom-line basis, total billings to agencies are approximately \$175,000 more than the current year.

The following further explains the major reasons for the changes.

Billable Routine O&M Expenditures - (Increase of 2.1%)

The net increase in Routine O&M is due to new increases across several line items that exceed the decreases in several other line items. The increase in Utilities Operation Staff and Environmental Staff hours are in anticipation of work for Unit repairs, tank replacements, and water treatment operations. Decreases include reduced labor hours at the main and terminal dam to better align with actual labor hours. The net difference per agency is demonstrated on page 4.

Billable Non-Routine O&M and Capital Outlay/Reserves - (Increase of 13.5%)

Non-Routine O&M items are for special projects and studies, as well as major maintenance efforts that run from one to three years. Capital expenditures are “pay-as-you-go” and are not generally funded through use of Flood Control Zone 3 reserves and/or other sources of funding such as grants or loans.

The Technical Advisory Committee (TAC) reviews and prioritizes the Non-Routine O&M projects in conjunction with the Capital projects when developing the 5-Year Capital Outlay Plan. This year’s projects have been reviewed and approved by the TAC prior to being included in this proposed budget.

The Habitat Conservation Plan (HCP) has been an ongoing effort since 2006. The HCP budget has previously been reflected in Routine O&M costs but will be included in the Non-Routine category beginning in the FY 24-25 budget.

This change will increase the proposed budget over the \$750,000 recommendation by the TAC for non-routine and capital expenses, but this change will shift budget from the routine category resulting in a net \$0 change to the overall budget. The request for this specific effort will be \$156,349 for FY 2024-25 budget.

Details of each of these projects may be found on page 15.

Billable Debt Service - (Decrease of 1.4%)

The debt service costs should remain at this level until the bonds are paid off in the year 2030 or until refinanced. Minor fluctuations in billable amounts are due to fluctuating tax estimates that are collected and dedicated toward debt service.

Reserve Policies (see pages 8-10 for projected reserve levels)

DISTRICT FUNDED RESERVES:

The balances within these reserves are derived from pre-2000 property tax revenues, and annual interest earnings and rents.

1976 – 2000: A portion of the 1% property tax established by Proposition 13 was annually apportioned to the Flood Control District. Of those Flood Control District’s funds, a portion was further segregated annually into Zone 3, although the funds are not legally restricted to use within Zone 3.

2000: Pursuant to the Zone 3 Water Contracts, the above-mentioned funds annually segregated into Zone 3 were contractually restricted to paying debt service on the Lopez Dam seismic remediation project. Therefore, funds existing in Zone 3 District Reserves since 2000 are essentially a “draw down” account utilized towards Zone 3 projects and efforts, though not legally restricted to use within Zone 3.

Operating Reserves - the District will strive to maintain an operating reserve at a minimum of 50% of routine operations and maintenance expenditures.

Designated Reserves - Reserves collected and set aside for significant scheduled maintenance and capital costs will be separately identified as part of the annual proposed budget and will be incorporated in the annual final budget only after review by the Zone 3 Advisory Committee.

The Zone 3 Advisory Committee has recommended utilizing the District Funded Designated Reserves toward the efforts shown in the following chart. Specific requests by the Advisory Committee require approval by the San Luis Obispo County Board of Supervisors either via the annual budget process or mid-year requests prior to their use.

Estimated Available Balance	District Funded Designated Reserves Utilization Plan
\$50,000	HCP Planning & Resulting Projects (established in FY 11/12)
\$558,805	Public safety related to water quality and quantity purposes
\$608,805	TOTAL District Funded Designated Reserves Projected at 6/30/24

CONTRACTOR FUNDED RESERVES:

These reserves are funded by contributions from individual contractors or other participants of the District project. Addition to these reserves will be made via annual billings based on approved budgeted amounts. Any distributions of these reserves will be based on actual requirements. These reserves will be accounted for separately by contributor. The annual budget process will provide a statement of reserve activity. A portion of the costs of significant scheduled maintenance items or capital items, as identified in the long-range capital improvement plan, may be set aside in each annual budget of the District. Additionally, each agency may opt to establish reserves to be used to stabilize billings from year to year. Said reserves will be separately identified and will be incorporated in the annual final budget only after review by the Zone 3 Advisory Committee.

DEBT RESERVES:

Debt reserves are contractually mandated and are not addressed as part of this policy.

**Flood Control Zone 3
Funding Sources for Budget
For Fiscal Year 2024-25**

	A	B	C	D	E	F	G	H	I	J	K
1	Expenditure Type	Amount	Contractor Bills	FCZ 3 Reserves	FCZ3 Property Tax (portion of 1% Prop 13)	G.O. Tax Collection: Unincorp Areas	G.O. Tax Collection: Contracting Agencies	Interest Earnings	Rents	Other - Reimbursable	Total
2	Debt Service	\$ 3,474,314	\$2,213,016	\$ -	\$ 426,960	\$ 37,720	\$ 796,617	\$ -	\$ -	\$ -	\$3,474,314
3	O & M - Routine	5,024,924	\$5,024,924	-	-	-	-	-	-	-	5,024,923
4	O & M - Non-Routine	221,349	221,349	-	-	-	-	-	-	-	221,349
5	Capital Outlay	630,000	630,000	-	-	-	-	-	-	-	630,000
6	Sub Total	9,350,587	\$8,089,290	-	426,960	37,720	796,617	-	-	-	\$9,350,587
7	Available for Reserves	161,300	-	-	-	-	-	155,000	6,300	-	161,300
8	Grand Total	\$ 9,511,887	\$ 8,089,290	\$ -	\$ 426,960	\$ 37,720	\$ 796,617	\$ 155,000	\$ 6,300	\$ -	\$ 9,511,887

Flood Control Zone 3
Funding Sources for Budget
For Fiscal Year 2023-24

	A	B	C	D	E	F	G	H	I	J	K
1	Expenditure Type	Amount	Contractor Bills	FCZ 3 Reserves	FCZ3 Property Tax (portion of 1% Prop 13)	G.O. Tax Collection: Unincorp Areas	G.O. Tax Collection: Contracting Agencies	Interest Earnings	Rents	Other - Reimbursable	Total
2	Debt Service	\$ 3,478,918	\$ 2,243,326	\$ -	\$ 399,356	\$ 38,212	\$ 798,026	\$ -	\$ -	\$ -	\$ 3,478,919
3	O & M - Routine	5,027,448	4,921,198	106,250	-	-	-	-	-	-	5,027,447
4	O & M - Non-Routine	300,000	300,000	-	-	-	-	-	-	-	300,000
5	Capital Outlay	450,000	450,000	-	-	-	-	-	-	-	450,000
6	Sub Total	9,256,366	7,914,524	106,250	399,356	38,212	798,026	-	-	-	9,256,366
7	Available for Reserves	362,800	-	-	-	-	-	354,000	8,800	-	362,800
8	Grand Total	\$ 9,619,166	\$ 7,914,524	\$ 106,250	\$ 399,356	\$ 38,212	\$ 798,026	\$ 354,000	\$ 8,800	\$ -	\$ 9,619,166

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Flood Control Zone 3
Funding Sources for Budget
For Fiscal Year 2024-25 vs. 2023-24

	A	B	C	D	E	F	G	H	I	J	K
1	Expenditure Type	Amount	Contractor Bills	FCZ 3 Reserves	FCZ3 Property Tax (portion of 1% Prop 13)	G.O. Tax Collection: Unincorp Areas	G.O. Tax Collection: Contracting Agencies	Interest Earnings	Rents	Other - Reimbursable	Total
2	Debt Service	\$ (4,604)	\$ (30,311)	\$ -	\$ 27,604	\$ (491)	\$ (1,409)	\$ -	\$ -	\$ -	\$ (4,606)
3	O & M - Routine	(2,524)	\$103,726	(106,250)	-	-	-	-	-	-	(2,524)
4	O & M - Non-Routine	(78,651)	(78,651)	-	-	-	-	-	-	-	(78,651)
5	Capital Outlay	180,000	180,000	-	-	-	-	-	-	-	180,000
6	Sub Total	94,221	174,764	(106,250)	27,604	(491)	(1,409)	-	-	-	94,219
7	Available for Reserves	(201,500)	-	-	-	-	-	(199,000)	(2,500)	-	(201,500)
8	Grand Total	\$ (107,279)	\$ 174,764	\$ (106,250)	\$ 27,604	\$ (491)	\$ (1,409)	\$ (199,000)	\$ (2,500)	\$ -	\$ (107,281)

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Flood Control Zone 3
Summary of Proposed and Prior Year Budgets
Fiscal Years 2024-25 and 2023-24

	A	B	C	D	E	F	G	H	I
	Proposed Budget 2024-25								
		Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	Other	Total Agency Budgets	
1									
2									
3	Debt Service	\$ 1,219,275	\$ 367,037	\$ 295,254	\$ 186,070	\$ 145,381	\$ -	\$ 2,213,016	
4	Operations and Maintenance	2,383,164	843,557	921,984	480,235	351,248	44,738	5,024,924	
5	Non Routine Operations and Maintenance	111,896	39,090	39,090	16,467	14,805	-	221,349	
6	Capital Outlay	318,477	111,258	111,258	46,868	42,139	-	630,000	
7									
8	Total	\$ 4,032,811	\$ 1,360,942	\$ 1,367,587	\$ 729,639	\$ 553,573	\$ 44,738	\$ 8,089,289	

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	A	B	C	D	E	F	G	H	I
	Prior Fiscal Year 2023-24								
		Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	Other	Total Agency Budgets	
9									
10									
11	Debt Service	\$ 1,237,447	\$ 373,091	\$ 295,254	\$ 190,060	\$ 147,474	\$ -	\$ 2,243,326	
12	Operations and Maintenance	2,345,535	826,835	900,803	461,226	346,219	40,580	4,921,198	
13	Non Routine Operations and Maintenance	151,656	52,980	52,980	22,318	20,066	-	300,000	
14	Capital Outlay	227,483	79,470	79,470	33,477	30,099	-	450,000	
15									
16	Total	\$ 3,962,121	\$ 1,332,376	\$ 1,328,508	\$ 707,081	\$ 543,858	\$ 40,580	\$ 7,914,524	

Proposed Budget Vs Prior Fiscal Year

	A	B	C	D	E	F	G	H	I
		Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	Other	Total Agency Budgets	
17									
18									
19	Debt Service	\$ (18,172)	\$ (6,055)	\$ (0)	\$ (3,990)	\$ (2,093)	\$ -	\$ (30,310)	
20	Operations and Maintenance	88,181	34,382	38,840	26,448	11,718	4,158	203,726	
21	Non Routine Operations and Maintenance	(90,311)	(31,550)	(31,550)	(13,290)	(11,950)	-	(178,651)	
22	Capital Outlay	90,993	31,788	31,788	13,390	12,040	-	179,999	
23									
24	Total	\$ 70,691	\$ 28,565	\$ 39,079	\$ 22,557	\$ 9,715	\$ 4,158	\$ 174,764	

**Flood Control Zone 3
Reserves
Projected at 6/30/25**

	A	B	C	D	E	F	G	H
1	Reserve Type	Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	FC Zone 3	Total
2	District Funded							
3	Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,894,116	\$ 2,894,116
4	Designated	-	-	-	-	-	665,154	665,154
5	Contractor Funded							
6	Scheduled Maintenance	-	-	-	-	-	-	-
7	Capital	143,062	49,978	49,978	21,054	18,928	-	283,000
8	Billing Stabilization	-	-	-	-	-	-	-
9	Total	\$ 143,062	\$ 49,978	\$ 49,978	\$ 21,054	\$ 18,928	\$ 3,559,270	\$ 3,842,270

**Flood Control Zone 3
Reserves
Projected at 6/30/24**

	A	B	C	D	E	F	G	H
1	Reserve Type	Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	FC Zone 3	Total
2	District Funded							
3	Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 2,732,816	\$ 2,732,816
4	Designated	-	-	-	-	-	608,805	608,805
5	Contractor Funded							
6	Scheduled Maintenance	-	-	-	-	-	-	-
7	Capital	143,062	49,978	49,978	21,054	18,928	-	283,000
8	Billing Stabilization	-	-	-	-	-	-	-
9	Total	\$ 143,062	\$ 49,978	\$ 49,978	\$ 21,054	\$ 18,928	\$ 3,341,621	\$ 3,624,621

**Flood Control Zone 3
Reserves
2024-25 Changes**

	A	B	C	D	E	F	G	H
1	Reserve Type	Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	FC Zone 3	Total
2	District Funded							
3	Operating	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 161,300	\$ 161,300
4	Designated	-	-	-	-	-	-	-
5	Contractor Funded							
6	Scheduled Maintenance	-	-	-	-	-	-	-
7	Capital	-	-	-	-	-	-	-
8	Billing Stabilization	-	-	-	-	-	-	-
9	Total	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 161,300	\$ 161,300

Flood Control Zone 3 Fund Consolidation Fiscal Year 2024-25

	A	B	C	D	E	F
Fund	FCZ3 Operating 2200500000	State Revolving Fund Loan 2200507000	Lopez Dam COP Bonds 2200505000	Lopez Dam GO Bonds 2200506000	Total	
Projected Balance @ 7/1/23	\$ 3,624,621	\$ 1,852,667	\$ 87,772	\$ 3,043,807	\$ 8,608,867	
Inflows						
Revenues	8,715,270	-	931,763	834,338	10,481,370	
Transfers In	-	1,671,883	-	-	1,671,883	
Outflows						
Expenditures	(8,553,970)	(1,671,883)	(931,763)	(834,338)	(11,991,953)	
Transfers Out	-	-	-	-	-	
Projected Balance @ 6/30/25	\$ 3,785,921	\$ 1,852,667	\$ 87,772	\$ 3,043,807	\$ 8,770,167	

FLOOD CONTROL ZONE 3
2024-25 Billing for Agency Debt Service

	A	B	C	D	E	F	G	H	I	J
		Arroyo Grande	Pismo Beach	Grover Beach	OCSD	CSA 12	G.O. Tax Collection: Unincorp Areas	FCZ3 Property Tax (portion of 1% Prop 13)	G.O. Tax Collection: Contracting Agencies	TOTAL
1	Bond Debt Service									
2	G.O. Debt Service	\$ 298,988	\$ 235,228	\$ 163,446	\$ 61,599	\$ 37,356	\$ 37,720	\$ -	\$ -	\$ 834,338
3	Installment Debt Service	372,623	(529)	71,252	-	61,457	-	426,960	-	931,763
4	Credit For G.O. Collections	(298,988)	(235,228)	(163,446)	(61,599)	(37,356)	(37,720)	-	-	(834,338)
5	Admin Fee	1,517	530	530	201	223	-	-	-	3,000
6	Subtotal	374,139	0	71,782	201	61,681	-	426,960	-	934,763
7	District Loan to Oceano									
8	Oceano Community Services District Loan	-	-	-	33,331	-	-	-	-	33,331
9	Subtotal	-	-	-	33,331	-	-	-	-	33,331
10	State Revolving Fund Loan									
11	State Revolving Fund Loan	845,137	295,254	295,254	111,849	124,388	-	-	-	1,671,883
12	State Revolving Fund Loan - Reserve Requirements	-	-	-	-	-	-	-	-	-
13	Subtotal	845,137	295,254	295,254	111,849	124,388	-	-	-	1,671,883
14	Total Billable Agency Debt Service	\$ 1,219,276	\$ 295,255	\$ 367,037	\$ 145,381	\$ 186,069	\$ -	\$ 426,960	\$ -	\$ 2,639,976

ESTIMATED BILLING SUMMARY for 2023-24 & 2024-25

Showing Estimated Total Billing for: FCZ 3
 State Water Wheeling
 CSA 12

	A	B	C	D	E	F	G	H	I	J	K
	Contracting Agency	23-24	23-24	23-24	23-24	23-24	24-25	24-25	24-25	24-25	24-25
		Zone 3 Billing	State Water Wheeling	Final Budget	CSA 12 Billing	Total	Zone 3 Billing	State Water Wheeling	Proposed Budget	CSA 12 Billing	Total
1											
2											
3											
4											
5	Arroyo Grande	\$ 3,962,121	\$ -	\$ 3,962,121		\$ 3,962,121	\$ 4,032,811	\$ -	\$ 4,032,811		\$ 4,032,811
6	Pismo Beach	1,274,968	53,540	1,328,508	204,330	1,532,838	1,313,698	53,888	1,367,587	218,995	1,586,582
7	Grover Beach	1,332,376	-	1,332,376		1,332,376	1,360,942	-	1,360,942		1,360,942
8	Oceano	517,118	26,740	543,858		543,858	539,133	14,440	553,573		553,573
9	CSA 12	707,081	-	707,081		707,081	729,639	-	729,639		729,639
10	ABCSD	-	13,364	13,364	121,373	134,737	-	14,730	14,730	131,414	146,144
11	Avila MWC	-	5,409	5,409	25,811	31,220	-	5,967	5,967	27,682	33,649
12	San Miguelito Water Co	3,480	17,182	20,662		20,662	3,840	18,938	22,778		22,778
13	SLO Coastal USD	-	1,145	1,145	10,755	11,900	-	1,263	1,263	11,535	12,797
14	FCZ 3	106,250		106,250		106,250	-		-		-
15	San Miguelito Partners			-	8,886	8,886				9,524	9,524
16	Other	1,235,593		1,235,593	390,591	1,626,184	1,261,297		1,261,297	399,549	1,660,846
17	Total:	\$ 9,138,987	\$ 117,380	\$ 9,256,367	\$ 761,746	\$ 10,018,113	\$ 9,241,361	\$ 109,226	\$ 9,350,587	\$ 798,699	\$ 10,149,286

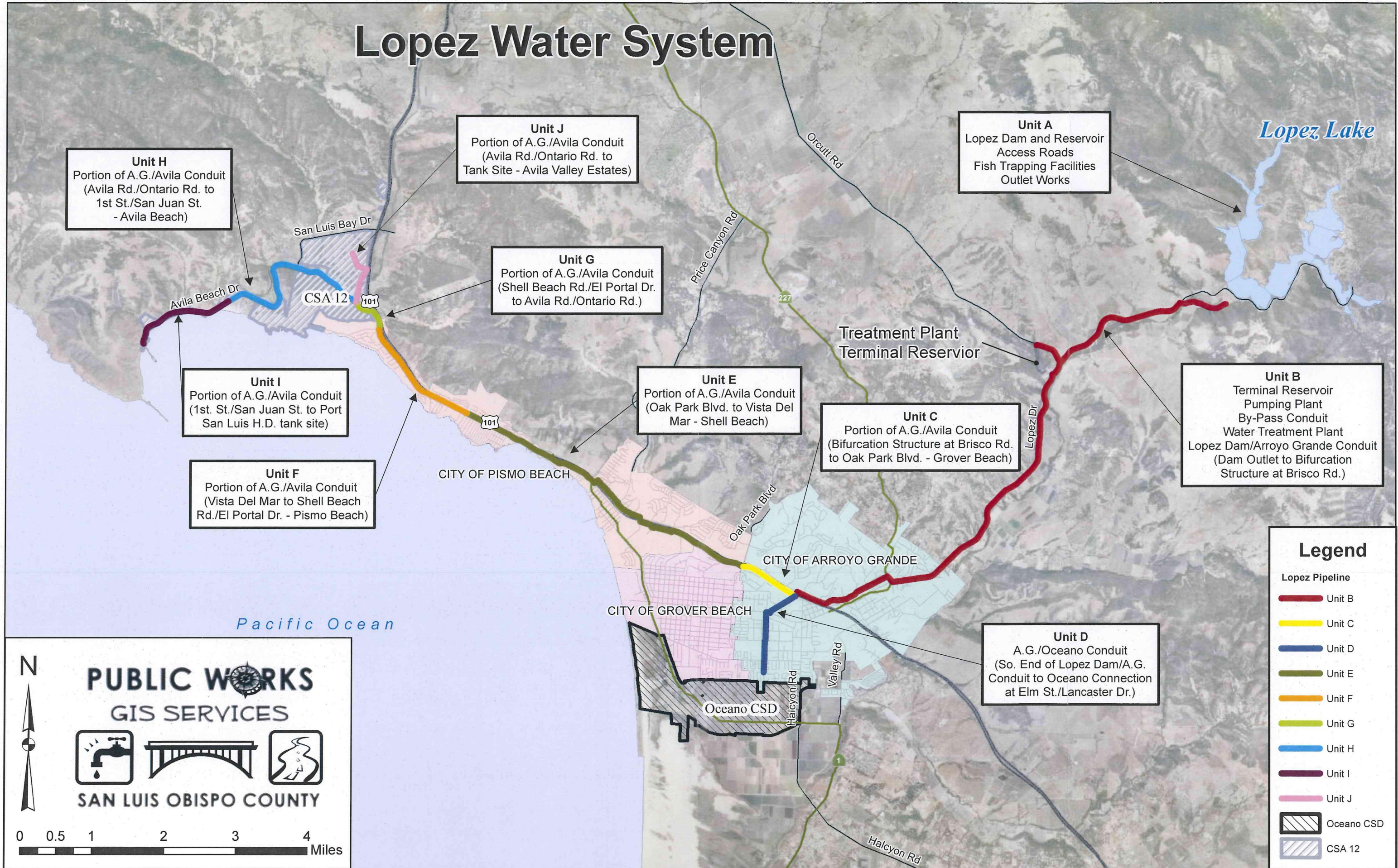
Flood Control Zone 3 Cost Per Acre Foot For Fiscal Year 2024-25

	Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	Total Agency Budgets		
1							1	
2							2	
3	Lopez Dam Bonds and Admin Fees	\$ 374,138	\$ 71,782	\$ -	\$ 61,682	\$ 201	\$ 507,802	3
4	SRF Loan - Water Treatment Upgrade	845,137	295,254	295,254	124,388	111,849	1,671,883	4
5	OCSD Loan	-	-	-	-	33,331	33,331	5
6	Operations and Maintenance	2,383,164	843,557	921,984	480,235	351,248	5,024,924	6
7	Non Routine Operations and Maintenance	111,896	39,090	39,090	16,467	14,805	221,349	7
8	Capital Outlay	318,477	111,258	111,258	46,868	42,139	630,000	8
9								9
10	Total	\$ 4,032,811	\$ 1,360,942	\$ 1,367,586	\$ 729,639	\$ 553,573	\$ 8,089,288	10
11	FCZ 3 -Number of Acre Feet	2,290	800	800	337	303	4,530	11
12	Cost per FCZ 3 AF	\$ 1,761	\$ 1,701	\$ 1,709	\$ 2,165	\$ 1,827		12
13	CSA 12 Costs			\$ 218,995				13
14	CSA 12 -Number of Acre Feet			92				14
15	Cost per CSA 12 AF			\$ 2,380				15
		50.55%	17.66%	17.66%	7.44%	6.69%	100.00%	
16	Breakdown of Cost per Acre Foot (For FCZ3 Only):							16
17	Lopez Dam Bonds and Admin Fees	\$ 163	\$ 90	\$ -	\$ 183	\$ 1		17
18	SRF Loan - Water Treatment Upgrade	369	369	369	369	369		18
19	OCSD Loan	-	-	-	-	110		19
20	Operations and Maintenance	1,041	1,054	1,152	1,425	1,159		20
21	Non Routine Operations and Maintenance	49	49	49	49	49		21
22	Capital Outlay	139	139	139	139	139		22
23	Total Cost per Acre Foot	\$ 1,761	\$ 1,701	\$ 1,709	\$ 2,165	\$ 1,827		23

**ZONE 3 BUDGET FOR FISCAL YEAR 2024-25
NON-ROUTINE PROJECTS AND CAPITAL REQUESTS**

Requested Item	Reason for Request
Fireflow Tank Repair/Replacement - \$200,000	There are two options for the Fireflow Tank at the Treatment Plant: rehabilitation/new coating could cost \$400K-\$600K, or a new tank could cost \$700K-\$800K. Utilities staff recommends budgeting \$200K/yr over the next four years to build sufficient funds for either option. At that time, the tank will be re-evaluated.
HCP - Instream Studies of AG Creek - \$50,000	Additional funding for Envr. Staff to manage consultant and review work related to the HCP Instream Studies, funding for Instream studies previously budgeted in FY 19/20. Studies will identify habitat in AG Creek downstream of dam and the effects of various release scenarios.
Unanticipated Equipment Replacement during Fiscal Year - \$55,000	For unanticipated purchases of equipment that fail during the fiscal year. Including this line item in the budget allows for immediate purchase of critical equipment (capital asset) that unexpectedly fails during the fiscal year.
Safety Upgrades WTP - \$65,000	Safety upgrades DAF building 24/25. Replace I Beam for Fall protection tether.
Replace Carbon Feed System (Non-auger) - \$50,000	Currently there are four racks of filter modules (64 modules/rack) at the Treatment Plant that need to be replaced. The filters have an approximate life span of 10 - 20 years. The original filters were installed in 2007 as part of the Treatment Plant Upgrade. Staff recommends replacing one rack each year over the next four years.
Upgrade EQ Pump - \$20,000	One of the sludge beds has developed a leak through the adjacent hillside that leads down to the terminal reservoir's spillway and needs repair. This bed had an existing underground curtain wall poured in the 90's to fix this issue. Quotes are being received to pressure grout in front of the underground curtain wall to re-seal any cracks that have developed over the last 30 years.
Mower - \$105,000	Skid Steer with Deck Mower
Membrane Rack Valve Installation - \$50,000	Replace all valves on membrane racks 1 through 5. Funding for 1 rack/year depending on available budget.
Terminal Dam Peizometer Replacement Project - \$100,000	The terminal Dam Peizometers need replacing. An analysis is needed to determine the type needed and verification/approval from DSOD.
Membrane Rack piping Replacements - \$50,000	Stainless steel piping on membrane racks needs replacing. Rack 6 came with HDPE piping which is performing well. The original racks 1-5 have stainless piping that has corrosion and will need replacing over time.
TOTAL REQUESTS: \$745,000	

Lopez Water System



Unit H
Portion of A.G./Avila Conduit
(Avila Rd./Ontario Rd. to
1st St./San Juan St.
- Avila Beach)

Unit J
Portion of A.G./Avila Conduit
(Avila Rd./Ontario Rd. to
Tank Site - Avila Valley Estates)

Unit A
Lopez Dam and Reservoir
Access Roads
Fish Trapping Facilities
Outlet Works

Unit G
Portion of A.G./Avila Conduit
(Shell Beach Rd./El Portal Dr.
to Avila Rd./Ontario Rd.)

Unit I
Portion of A.G./Avila Conduit
(1st St./San Juan St. to Port
San Luis H.D. tank site)

Unit E
Portion of A.G./Avila Conduit
(Oak Park Blvd. to Vista Del
Mar - Shell Beach)

Unit C
Portion of A.G./Avila Conduit
(Bifurcation Structure at Brisco Rd.
to Oak Park Blvd. - Grover Beach)

Unit B
Terminal Reservoir
Pumping Plant
By-Pass Conduit
Water Treatment Plant
Lopez Dam/Arroyo Grande Conduit
(Dam Outlet to Bifurcation
Structure at Brisco Rd.)

Unit F
Portion of A.G./Avila Conduit
(Vista Del Mar to Shell Beach
Rd./El Portal Dr. - Pismo Beach)

Unit D
A.G./Oceano Conduit
(So. End of Lopez Dam/A.G.
Conduit to Oceano Connection
at Elm St./Lancaster Dr.)

Legend

- Lopez Pipeline**
- Unit B
 - Unit C
 - Unit D
 - Unit E
 - Unit F
 - Unit G
 - Unit H
 - Unit I
 - Unit J
- Oceano CSD
- CSA 12

PUBLIC WORKS
GIS SERVICES

SAN LUIS OBISPO COUNTY

0 0.5 1 2 3 4 Miles