



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

AGENDA

Thursday, Nov 19, 2020 6:30 P.M.

Due to COVID-19 Meeting Protocols
we will hold the meeting via Goto Meeting or via Phone

Phone line: +1 (571) 317-3122

Access Code: 655-986-037

OR

Webinar: <https://global.gotomeeting.com/join/655986037>

- I. CALL TO ORDER AND ROLL CALL
Announcement of new committee members – Ron Reilly Member At Large and Matthew Scudato as Alternate
 - II. PUBLIC COMMENT
This is also an opportunity for members of the public to address the Committee on items that are not on the Agenda
 - III. APPROVAL OF MEETING MINUTES
 - A. Sept 17, 2020 Regular Meeting – [Attachment 1](#)
 - IV. APPROVAL OF 2021 MEETING SCHEDULE – [Attachment 2](#)
 - V. OPERATIONS REPORT
 - A. Water Plant Operations, Reservoir Storage, Downstream Releases - [Verbal Update](#)
 - B. Projected Reservoir Levels – [Attachment 3](#)
 - C. September & October Monthly Operations Report – [Attachment 4](#)
 - VI. INFORMATION ITEMS
 - A. 1st Quarter Budget Status – [Attachment 5](#)
 - B. Cloud Seeding Update – [Verbal Update](#)
 - C. Contract Changes Update - [Attachment 6](#)
 - VII. CAPITAL PROJECTS UPDATE
 - A. Terminal Dam Decommissioning Update – [Attachment 7](#)
 - B. Bi-Monthly Update – [Attachment 8](#)
 - VIII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
 - IX. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
 - X. FUTURE AGENDA ITEMS
 - XI. COMMITTEE MEMBER COMMENTS
-



ZONE 3 ADVISORY COMMITTEE

San Luis Obispo County Flood Control and Water Conservation District

Next Regular Meeting is Tentatively Scheduled for
January 21, 2021 at 6:30 PM

Agendas accessible online at www.slocounty.ca.gov/pw/zone3



**SAN LUIS OBISPO COUNTY FLOOD CONTROL
AND WATER CONSERVATION DISTRICT
ZONE 3 ADVISORY COMMITTEE
DRAFT MEETING MINUTES
THURSDAY September 17, 2020**

- I. **Call to Order and Roll Call** -- The Zone 3 Advisory Committee Meeting was called to order at 6:30 PM via GoTo Meeting due to the Covid-19 pandemic by Chair person, Karen Bright.

County Public Works Utilities Division Senior Engineer and Secretary to the Advisory Committee, Jill Ogren, called roll. Quorum was present. Members in attendance were:

- Kristen Barneich, City of Arroyo Grande
- Karen Bright, City of Grover Beach
- Marcia Guthrie, City of Pismo Beach
- Shirley Gibson, Oceano CSD
- Brad Hagemann, County Services Area 12
- Brian Talley, Agriculture Member

- II. **Public Comment** – No public comment was given.

III. **Approval of Meeting Minutes**

A. July 16, 2020 Regular Meeting and Special Meeting August 27th – Member Talley motioned approval of the minutes and Member Gibson seconded. Member Bright requested roll call for approval. ***Motion passed.***

IV. **Operations Report**

A. Water Plant Operations, Reservoir Storage, Downstream Releases – Jenny Williamson, Administrative Assistant at the Lopez Water Treatment Plant, indicated: Lopez Lake elevation was 484.84 feet; storage was 22,150 acre-feet (AF), which is 45% capacity; rainfall to date, since July 1, 2020, was 0.06 inches; plant production was 4.85 million gallons per day (MGD); downstream release was 2.2 MGD; and State Water was 0.70 MGD.

B. Projected Reservoir Levels – Review of the Lopez Reservoir Projections Chart (Attachment 2 of the Agenda Packet). The yellow line shows anticipated storage if no further rain is received. Long-range predictions show rain is expected in the coming months.

C. July and August Monthly Operations Report – Review of the monthly operations reports with the committee (Attachment 3 of the Agenda Packet).

No public comment was given.

V. **Information Items**

A. Cloudseeding Final Report – The District’s Cloud seeding consultant, Garrett Cammans of North American Weather Consultants, presented a PowerPoint presentation on the 19/20 cloud seeding season.

No public comment was given.

B. 4th Quarter Budget Status – County Public Works Zone 3 Accountant, Kristi Smith, provided an update on the 4th Quarter Budget Status (Attachment 4 of the Agenda Packet). The \$5.8M budget was broken into three categories: Routine Operations & Maintenance, Non-Routine Operations & Maintenance, and Capital Outlay. At the end of the fiscal year, 70% of the total annual budget had been expended.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
\$ 5,798,347.00	\$ 4,044,998.00	\$ 1,753,349.00	70%

Routine O&M had a budget of \$3.9M. At the end of the fiscal year, expenses were 96% of the annual budget, resulting in a savings of \$163,909.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
\$ 3,894,400.00	\$ 3,736,634.00	\$ 163,909.00	96%

Non-Routine O&M had a budget of \$872,073. At the end of the fiscal year, expenses were 30% off the annual budget. The remaining budget is comprised of approximately \$597,000 that will be carried forward into FY 2020-21 for continued work and a savings of approximately \$10,000 that will be credited back to the agencies during the 2019-20 true-up. The bulk of the budget being carried forward is for the Lopez Water Rights/Habitat Conservation Plan (HCP) efforts and the Cloud Seeding Program.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
\$ 872,073.00	\$ 264,681.00	\$ 607,392.00	30%
Estimated Carryforward:		\$ 597,376.00	
Estimated Savings:		\$ 10,016.00	

Capital Outlay had a budget of just over \$1M. At the end of the fiscal year, expenses were 4% of the annual budget. Most of the unspent budget will be carried forward into FY 2020-21 to continue the projects through to completion. Approximately \$69,000 in unspent budget will be credited back to the agencies.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
\$ 1,031,874.00	\$ 43,683.00	\$ 988,191.00	4%
Estimated Carryforward:		\$ 918,849.00	
Estimated Savings:		\$ 69,342.00	

All agencies are current on their payments. The estimated credits for FY 2019-20 total \$243,267, which will be allocated to the agencies and mailed along with the 2nd installment of the FY 2020-21 billings that are due January 1, 2021.

No public comment was given.

VI. Capital Projects Update

B. Bi-Monthly Update – Updates provided on capital projects (Attachment 5 of the Agenda Packet), there were no notable changes since July’s Advisory Committee meeting.

No Public comment was given.

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

No Action Items discussed.

VIII. Action Items (Board of Supervisors Action is Subsequently Required)

A. Water Supply Contract Changes – CEQA – Dan Heimel presented a PowerPoint presentation on the water supply contract changes (Attachment 6 of the Agenda Packet). Since July, Zone 3 TAC subcommittee had reviewed the draft amended and restated contract which includes the needed changes to incorporate storage provisions for the individual contractors as well as reviewing and commenting on the proposed CEQA Project Description. Legal Counsels from several of the Zone 3 Contractors have also reviewed the draft amended and restated contract.

The specific contract language edits were provided to the Zone 3 TAC and District Legal Counsel and Environmental for review. Based on the proposed contract changes, the County Environmental team prepared a draft Project Description (Attachment 2 of the Agenda Packet) for the contract changes for the purposes of initiating the CEQA process. It is requested that the Committee recommend to formally initiate the CEQA process based on the project description, which will include District Environmental Staff publicly releasing the Notice of Preparation and Project Description to local, regional and statewide stakeholders and regulatory agencies and preparing the appropriate CEQA Document.

It is anticipated that the resource agencies and/or regulatory agencies may comment on the CEQA analysis for the contract change initiative regarding the status of the Habitat Conservation Plan (HCP) and other ongoing regulatory compliance initiatives currently underway for the Lopez Project. The proposed strategy to addressing comments from these agencies is to outline the current status and workplan for the HCP.

If the Committee approves moving forward with the CEQA process, the anticipated next steps for Zone 3 are as follows:

CEQA Process:

1. Outreach to NMFS regarding the upcoming CEQA evaluation for the Contract Changes.
2. Release of the Notice of Preparation and Project Description.
3. Receive response/comments on Notice of Preparation.
4. Prepare and release draft Mitigated Negative Declaration (MND).
5. Respond to comments on Draft MND.
6. District Board of Supervisors certifies the MND.

Legal Review Process:

1. District legal counsel completes review of proposed specific contract language edits.
2. Zone 3 agency legal counsel reviews of proposed specific contract language edits.
3. Finalize language edits between District and Zone 3 Agencies.
4. Zone 3 contractor's Governing Boards approve the amended and restated Zone 3 Contracts.
5. District Board of Supervisors approve the amended and restate Sone 3 Contracts at same meeting that MND is certified.

IX. Future Agenda Items

A. Terminal Dam De-Commissioning

X. Committee Member Comments

Meeting Adjourned at 8:30 PM

Respectfully Submitted,

Jenny Williamson
County of San Luis Obispo Public Works Department



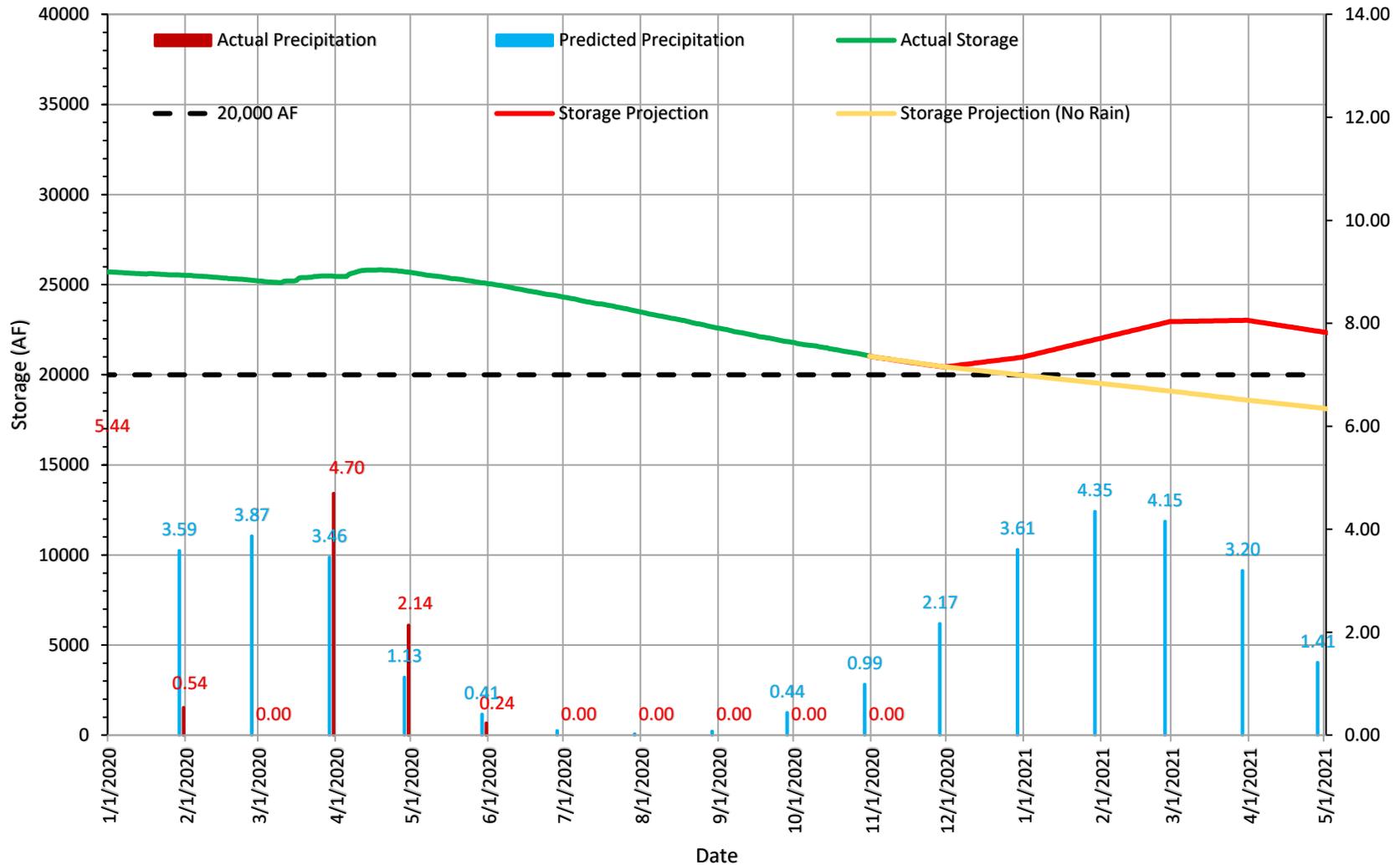
ZONE 3 - LOPEZ PROJECT
ADVISORY AND TECHNICAL ADVISORY COMMITTEES
2021 MEETING SCHEDULE

Date	Group	Location¹	Purpose
Jan 13, 2021	TAC ²	Arroyo Grande, 9:00 AM	Discuss proposed FY 21/22 budget
Jan 21, 2021	Advisory Committee	Grover Beach, 6:30 PM	Distribute proposed FY 21/22 budget
Feb 10, 2021	TAC	Arroyo Grande, 9:00 AM	Distribute proposed FY 21/22 budget
Mar 10, 2021	TAC	Arroyo Grande, 9:00 AM	Budget discussion/recommendation; present estimated surplus water quantity available in 21/22
Mar 18, 2021	Advisory Committee	Arroyo Grande, 6:30 PM	Present 2 nd quarter FY 20/21 budget status; present proposed FY21/22 budget; endorse FY21/22 budget; present estimated surplus water quantity available in WY 21/22
Apr 14, 2021	TAC	Arroyo Grande, 9:00 AM	Present actual surplus water quantity available in WY 21/22
May 12, 2021	TAC	Arroyo Grande, 9:00 AM	
May 20, 2021	Advisory Committee	Pismo Beach, 6:30 PM	3 rd Quarter Budget Status
Jun 9, 2021	TAC	Arroyo Grande, 9:00 AM	
Jul 14, 2021	TAC	Arroyo Grande, 9:00 AM	
Jul 15, 2021	Advisory Committee	Oceano CSD, 6:30 PM Tentative	Officer Rotations
Aug 11, 2021	TAC	Arroyo Grande, 9:00AM	
Sep 8, 2021	TAC	Arroyo Grande, 9:00 AM	Request Water Delivery Schedule - due Oct 1
Sep 16, 2021	Advisory Committee	Grover Beach, 6:30 PM	4 th Quarter Budget Status;
Oct 13, 2021	TAC	Arroyo Grande, 9:00 AM	
Nov 10, 2021	TAC	Arroyo Grande, 9:00 AM	Discuss proposed Capital Improvement Projects for next FY
Nov 18, 2021	Advisory Committee	Arroyo Grande, 6:30 PM	1 st Quarter Budget Status; Set next year's meeting dates
Dec 8, 2021	TAC	Arroyo Grande, 9:00 AM	Distribute Water Delivery Schedule by Jan 1

¹ All meetings until further notice will be via Goto Meetings on the web due to COVID19 Meeting Protocols. When allowed, in person meetings will be resumed and locations will be determined at that time.

² TAC - Technical Advisory Committee

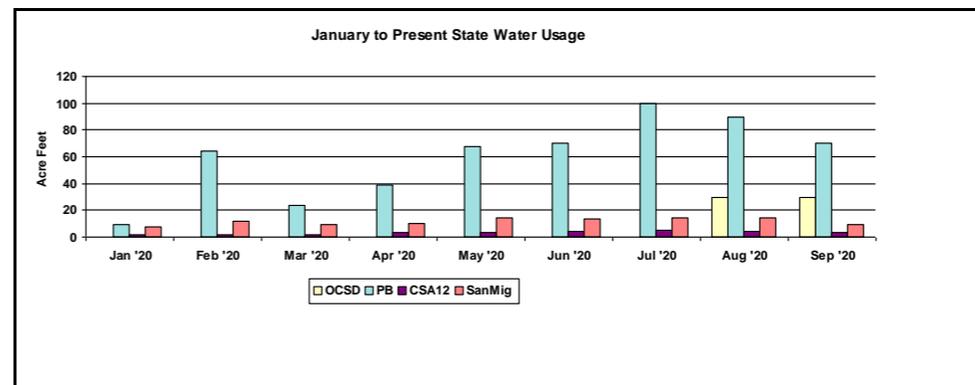
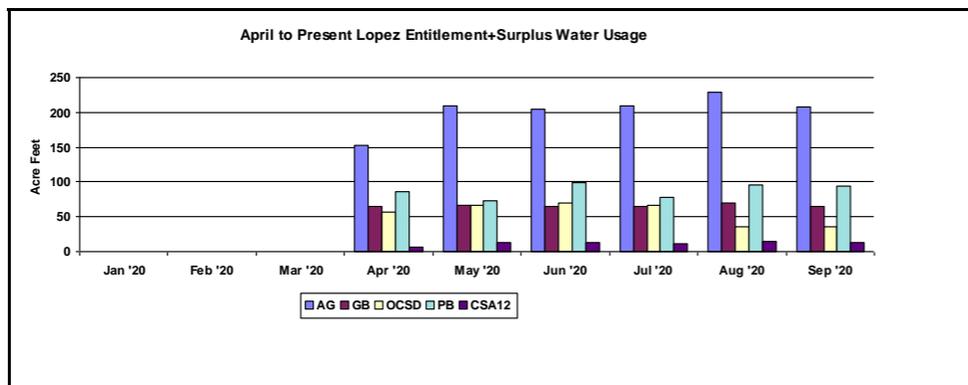
LOPEZ RESERVOIR STORAGE PROJECTION



1. Storage projection is based on predicted rainfall from longrangeweather.com, inflow based on predicted rainfall, 20-21 downstream release requests, and municipal usage.
2. Municipal Usage is based on Jan 2010- Dec 2019 average monthly deliveries.
3. Predicted inflow is based off of historical precipitation and storage data. Antecedant moisture conditions are factored into the model. The first rainstorms after months without rain will cause less inflow than rainstorms during the rainy season. If the average daily rainfall for the previous three months is below 1 inch the model will multiply the predicted inflow by 0.1, if the average is above 1 inch the inflow is multiplied by 1.25.

San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report September, 2020

Contractor	Lopez Water Deliveries											State Water Deliveries						Total Water Deliveries This Month					
	Entl.	Surplus Water Declared	Surplus Requested	Total Available Water	This Month				April to Present				Annual Request	This Month					January to Present				
					Entitlement		Surplus		Entitlement		Surplus			Total		Usage	% of Annual Request		SWP Deliveries	Change in Storage	Usage	% of Annual Request	SWP Deliveries
					Usage	%	Usage	%	Usage	%	Usage	%		Usage	%								
Arroyo Grande	2290	911.00	111.00	2401.00	207.00	9.0%	0.00	0.0%	1212.30	52.9%	0.00	0.0%	1212.30	50.5%								207	
Oceano CSD	303	121.00	321.00	624.00	6.29	2.1%	29.10	9.1%	303.00	100.0%	29.10	9.1%	332.10	53.2%	60	30.00	50.0%			60.00	100.0%		65.39
Grover Beach	800	318.00	100.00	900.00	65.00	8.1%	0.00	0.0%	395.21	49.4%	0.00	0.0%	395.21	43.9%									65
Pismo Beach	892	355.00	655.00	1547.00	94.52	10.6%	0.00	0.0%	525.86	59.0%	0.00	0.0%	525.86	34.0%	608	70.00	11.5%			534.27	87.9%		164.52
CSA 12	245	98.00	0.00	245.00	12.98	5.3%	0.00	0.0%	72.05	29.4%	0.00	0.0%	72.05	29.4%	40	3.45	8.6%			30.12	75.3%		16.43
San Miguelito															120	9.69	8.1%			105.79	88.2%		9.69
Total	4530	1803.00	1187.00	5717.00	385.79	8.5%	29.10	2.5%	2508.42	55.4%	29.10	2.5%	2537.52	44.4%	828	113.14	13.7%	68	-45.14	730.18	88.2%	621.00	528.03
											Last Month Stored State Water		1392.21			This Month Stored State Water		1347.07					



Note: Deliveries are in acre feet. One acre foot = 325, 850 gallons or 43, 560 cubic feet. Safe yield is 8,730 acre feet.

"Year to Date" is January to present for State water, April to present for Lopez deliveries, and July to present for rainfall.

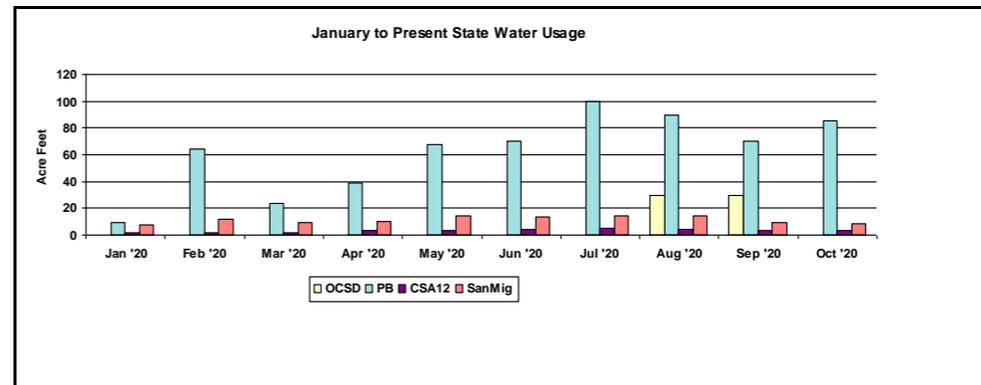
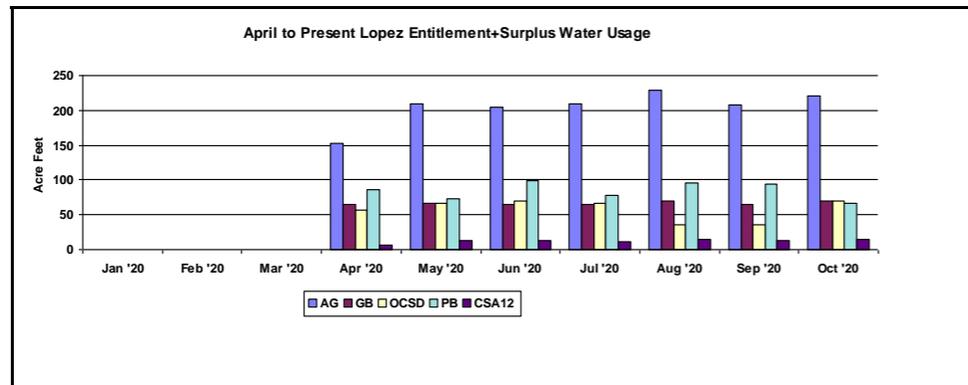
Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	484.21		Difference (feet)	-38.16
Storage (full at 49200 acre feet)	21785		% Full	44.3%
Rainfall	0	0.06		
Downstream Release (4200 acre feet/year)	246.43	1384.68		
Spillage (acre feet)	0	0.00		

Comments:

- Oceano supplied water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.38 AF delivered to Canyon Crest was added to Oceano's water usage this month and 2.38 AF was subtracted from Arroyo Grande's usage this month.
- OCSD revised their annual State Water Delivery Request on September 10th from 150 AF to 60 AF.

San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report October, 2020

Contractor	Lopez Water Deliveries											State Water Deliveries					Total Water Deliveries This Month						
	Entl.	Surplus Water Declared	Surplus Requested	Total Available Water	This Month				April to Present				Annual Request	This Month									
					Entitlement		Surplus		Entitlement		Surplus			Total		Usage		% of Annual Request	SWP Deliveries	Change in Storage	January to Present		
					Usage	%	Usage	%	Usage	%	Usage	%		Usage	% of Annual Request						SWP Deliveries		
Arroyo Grande	2290	911.00	111.00	2401.00	221.10	9.7%	0.00	0.0%	1433.40	62.6%	0.00	0.0%	1433.40	59.7%								221.1	
Oceano CSD	303	121.00	321.00	624.00	0.00	0.0%	69.16	21.5%	303.00	100.0%	98.26	30.6%	401.26	64.3%	60	0.00	0.0%			60.00	100.0%		69.16
Grover Beach	800	318.00	100.00	900.00	69.39	8.7%	0.00	0.0%	464.60	58.1%	0.00	0.0%	464.60	51.6%									69.39
Pismo Beach	892	355.00	655.00	1547.00	66.17	7.4%	0.00	0.0%	592.03	66.4%	0.00	0.0%	592.03	38.3%	608	85.00	14.0%			619.27	101.9%		151.17
CSA 12	245	98.00	0.00	245.00	14.74	6.0%	0.00	0.0%	86.79	35.4%	0.00	0.0%	86.79	35.4%	40	3.46	8.7%			33.58	84.0%		18.2
San Miguelito															120	8.18	6.8%			113.97	95.0%		8.18
Total	4530	1803.00	1187.00	5717.00	371.40	8.2%	69.16	5.8%	2879.82	63.6%	98.26	8.3%	2978.08	52.1%	828	96.64	11.7%	62	-34.64	826.82	99.9%	683.00	537.20
											Last Month Stored State Water		1347.07			This Month Stored State Water		1312.43					



Note: Deliveries are in acre feet. One acre foot = 325, 850 gallons or 43, 560 cubic feet. Safe yield is 8,730 acre feet.

"Year to Date" is January to present for State water, April to present for Lopez deliveries, and July to present for rainfall.

Lopez Dam Operations		This Month	Year to Date		
Lake Elevation (full at 522.37 feet)		482.65		Difference (feet)	-39.72
Storage (full at 49200 acre feet)		20988		% Full	42.7%
Rainfall		0	0.06		
Downstream Release (4200 acre feet/year)		253.8	1638.48		
Spillage (acre feet)		0	0.00		

Comments:

- 1) Oceano supplied water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.20 AF delivered to Canyon Crest was added to Oceano's water usage this month and 2.20 AF was subtracted from Arroyo Grande's usage this month.
- 2) OCSD revised their annual State Water Delivery Request on September 10th from 150 AF to 60 AF.



COUNTY OF SAN LUIS OBISPO
Department of Public Works
 John Diodati, *Interim Director*

November 19, 2020

MEMORANDUM

TO: Flood Control Zone 3 Advisory Committee

FROM: Kristi Smith, Accountant

SUBJECT: Flood Control Zone 3, First Quarter Budget Status, Fiscal Year 2020-21

Recommendation

The item to be received and filed.

Summary

Attached please find a comparison of the budget to actual expenses for the first quarter of fiscal year 2020-21. The \$6.3M budget is broken into three categories: Routine Operations & Maintenance, Non-Routine Operations & Maintenance, and Capital Outlay. At the end of the first quarter, 16% of the total annual budget has been expended.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
6,366,952	992,674	5,374,278	16%

Routine O&M: This category has a budget of \$4.1M dollars. At the end of the first quarter, 22% of the annual budget has been expended, resulting in approximately \$3.2M available for the remainder of the year. Expenses in this category are on target with budgeted levels.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
4,150,223	909,860	3,240,363	22%

Non-Routine O&M: This category has a budget of approximately \$1.6M. At the end of the first quarter, 2% of the annual budget has been expended, resulting in an available balance of roughly \$1.6M for the remainder of the year. Most of the items in this category have had budget carried forward from the prior year in order to continue work on them.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
1,688,057	32,722	1,655,335	2%

Capital Outlay: This category has a budget of almost \$530,000. At the end of the first quarter, expenses were 9% of the annual budget, resulting in approximately \$480,000 available for the remainder of the year. Unspent budget from the prior year has been carried forward for several projects and accounts for the majority of this category's budget.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
528,672	50,092	478,580	9%

Other Agency Involvement/Impact

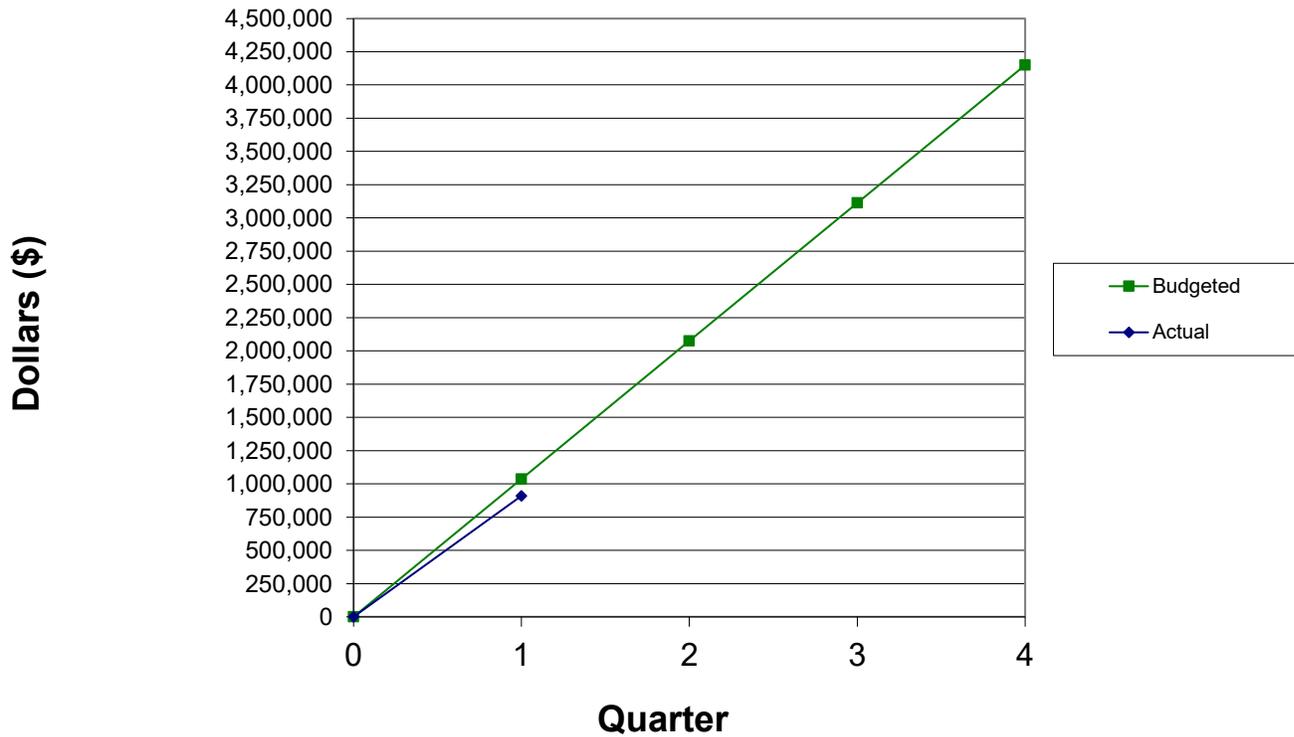
The agencies involved are: City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, Oceano Community Services District, and County Service Area 12. Subcontractors of CSA 12 include Port San Luis Harbor District and Avila Beach Community Services District.

Financial Consideration

All agencies are current on their payments. Earlier this month, the revised billings for FY 2019-20 were mailed along with the 2nd installment of the FY 2020-21 billings. Payments are due January 1, 2021.

Zone 3 Budget Status
1st Quarter FY20/21

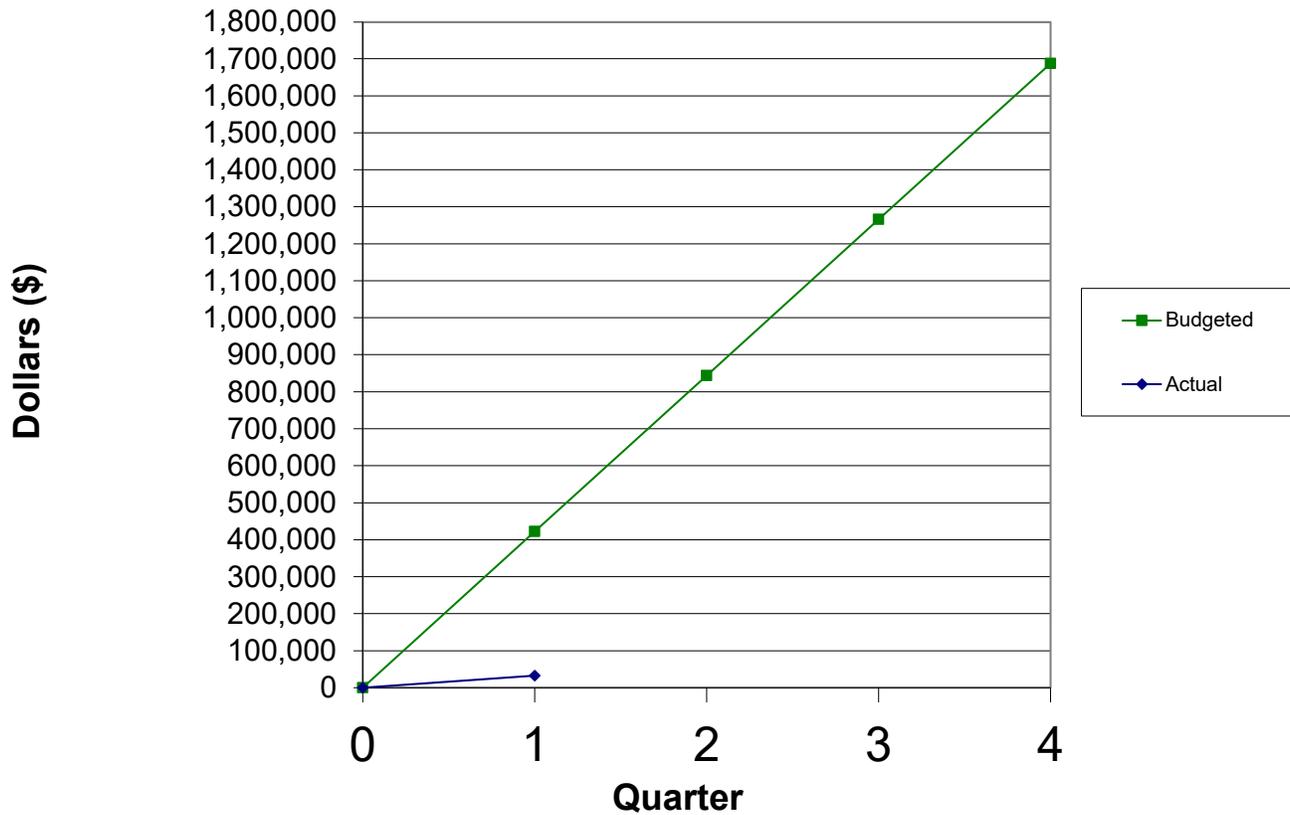
Routine Operation and Maintenance



O&M Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Labor Hours	23,728	5,183	-	-	-	5,183	22%	
Chemicals - Water Treatment Plant	\$ 438,498	\$ 149,755	\$ -	\$ -	\$ -	\$ 149,755	34%	\$ 288,743
Water Quality Testing - Treatment Plant	46,282	12,718	-	-	-	12,718	27%	33,564
Electricity - Water Treatment Plant	295,445	94,582	-	-	-	94,582	32%	200,863
All Other Costs - Water Treatment Plant	1,691,940	383,007	-	-	-	383,007	23%	1,308,933
Terminal	272,343	18,567	-	-	-	18,567	7%	253,776
Main Dam	357,313	44,832	-	-	-	44,832	13%	312,481
Other	1,048,402	206,398	-	-	-	206,398	20%	842,004
Expenses		909,860	-	-	-	909,860	22%	3,240,363
Budget	4,150,223	1,037,556	1,037,556	1,037,556	1,037,556	4,150,227		
Variance (over)/under		127,696	1,037,556	1,037,556	1,037,556	3,240,363		
% Variance		12%	100%	100%	100%			

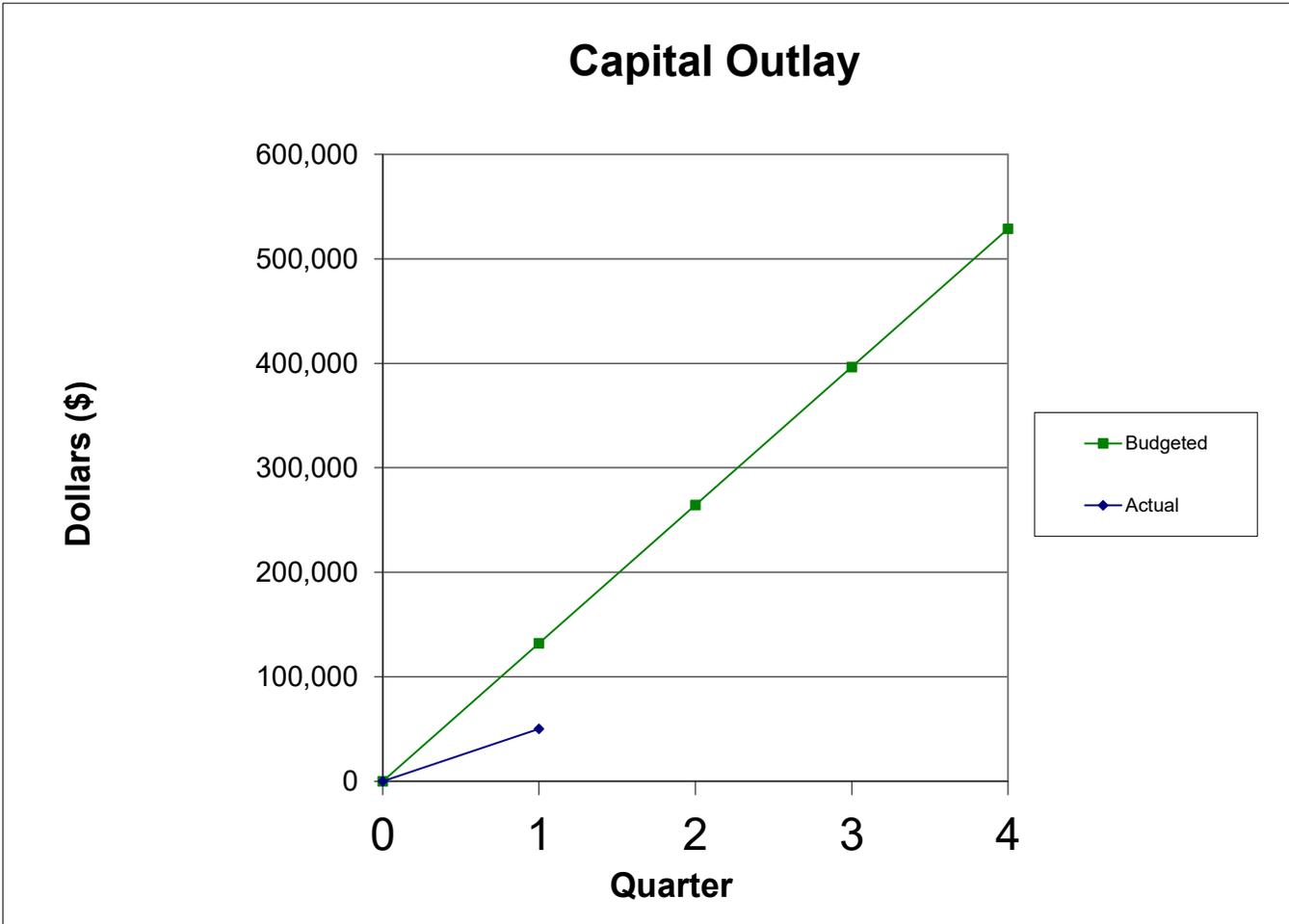
Zone 3 Budget Status
1st Quarter FY20/21

Non-Routine Operation and Maintenance



O&M Non Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Lopez Water Rights /HCP	\$ 415,285	\$ 16,750	\$ -	\$ -	\$ -	\$ 16,750	4%	\$ 398,535
Cathodic Protection Maint	449,933	-	-	-	-	-	0%	449,933
Geotech Test/Seismic Alt Study Terminal Dam	89,829	-	-	-	-	-	0%	89,829
Safety Upgrades to WTP	53,282	-	-	-	-	-	0%	53,282
Replace Obsolete Hach Turbidimeters	53,100	-	-	-	-	-	0%	53,100
Water Treatment Alternatives Study	35,000	-	-	-	-	-	0%	35,000
Risk Assessment Fault Zone Left Abutment	40,000	-	-	-	-	-	0%	40,000
Cloud Seeding Program	350,672	15,972	-	-	-	15,972	5%	334,700
Domestic Tank Repair	10,674	-	-	-	-	-	0%	10,674
Spillway Physical Investigation	190,282	-	-	-	-	-	0%	190,282
Expenses		32,722	-	-	-	32,722	2%	1,655,335
Budget	1,688,057	422,014	422,014	422,014	422,014	1,688,057		
Variance (over)/under		389,292	422,014	422,014	422,014	1,655,335		
% Variance		92%	100%	100%	100%			

Zone 3 Budget Status
1st Quarter FY20/21



Capital Outlay Projects	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Improved Boat Access at Term Res	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
Equip Storage Garage Design	89,849	-	-	-	-	-	0%	89,849
Fireflow Tank Repair	85,000	-	-	-	-	-	0%	85,000
Mini Excavator	46,700	50,092	-	-	-	50,092	107%	(3,392)
Dump Trailer	9,500	-	-	-	-	-	0%	9,500
ATV, Polaris	15,000	-	-	-	-	-	0%	15,000
New Water Treatment Barge	50,000	-	-	-	-	-	0%	50,000
Upgrade EQ Pump	17,623	-	-	-	-	-	0%	17,623
Carbon Dioxide Injection System	160,000	-	-	-	-	-	0%	160,000
Various Equipment Replacement	55,000	-	-	-	-	-	0%	55,000
Expenses		50,092	-	-	-	50,092	9%	478,580
Budget	528,672	132,168	132,168	132,168	132,168	528,672		
Variance (over)/under		82,076	132,168	132,168	132,168	478,580		
% Variance		62%	100%	100%	100%			

Zone 3 Contact Change Schedule

Develop Conceptual Contract Amendments

- Storage for Zone 3 Agencies

Completed

Reservoir Modeling of Proposed Amendments

- Development of Baseline and Proposed Amendments scenarios

Completed

Contract Modification

- Develop updated contract language for TAC/AC Review

Completed

CEQA Evaluation of potential impacts of Proposed Amendments

- County Public Works to perform CEQA Evaluation

NOP Released 10/29/20
Draft CEQA Document (March 2021)
Public Review Period (April/May 2021)

Contract Amendment Approval

- Agency Governing Boards Approval of Amended Contracts
- BOS Approval

Governing Board Review (June/July 2021)
BOS Approval (Sept 2021)

Items to be Evaluated for Lopez Lake Direct Use

- NPDES Aquatic Weed Control Permit
- Draft Recreation Plan Guidelines
- Central Coast Basin Plan
- Habitat Conservation Plan
- Monthly Sanitary Survey Inspections
- Enhanced Storm Water Treatment – Possibly will need to redo vulnerability assessment based on direct use of lake water



Considerations for Usage of Lake as Direct Source

- Review with State the Recreation Guidelines for consideration of Lopez Lake as a direct source of water for Lopez WTP
- Calculate \$'s to bring reservoir into compliance with continued recreation use and direct use of water from the lake.
 - Additional WQ monitoring
 - Additional Recreation Staff
 - Additional wastewater plant requirements
 - Swim area monitoring
 - Additional algae treatment chemicals
- Evaluate direct use of Lopez Lake water for treatability at WTP
 - Low DO
 - Elevated iron and manganese
 - Algae

OR

- Retrofit the terminal reservoir to meet DSOD standards





ZONE 3 Lopez Project

San Luis Obispo County Flood Control and Water Conservation District

TO: Zone 3 Advisory Committee
FROM: David Spiegel, PE
DATE: November 19, 2020
SUBJECT: Zone 3 Projects Update

Project Updates:

- Spillway Assessment
 - DSOD has reviewed the responses by the District and its consultant and has requested a conference call to go over the items to facilitate any questions or comments by either side. A conference call has not been scheduled at this time.
 - DSOD has requested review and approval during all phases of the Spillway Assessment.
 - Budget ~\$190,000

- Geotechnical Testing & Seismic Alternatives Study of Terminal Reservoir Dam
 - This is the extension of the original Terminal Dam Structural Assessment Project and will include Geotech testing of the Terminal Dam. This additional information will help determine whether to seismically retrofit or de-commission the Terminal Reservoir. TAC provided direction at their October 2020
 - Overall Budget Needed \$500,000
 - Budget available this year ~\$90,000 to begin project

- Fault Zone Risk Assessment for Dam Left Abutment (No Change)
 - Above the left abutment is a fault that was classified as a slow-moving landslide with potential for material to slough off and become located on the downstream side of the dam.
 - A risk assessment has been requested by the TAC to determine the probability of such an event.
 - Additional quotes are needed at this time.
 - Budget ~\$40,000

- Lopez WTP Safety Upgrades
 - Staff are looking into additional consultants to do a lifeline system within the membrane building.
 - Multiple consultants have reviewed the project, but none have quoted the project.
 - Budget ~\$53,000



ZONE 3 Lopez Project

San Luis Obispo County Flood Control and Water Conservation District

- Cathodic Protection Repair Project
 - This is the result of the Cathodic Protection Survey completed in 2019
 - Estimate is \$848,000 to completely repair the system
 - This will be a 3-year phased project to begin this year
- Equipment Storage Building
 - A new site has been chosen for the location of a storage building. Previous sites were too expensive, or their location proved problematic with uncertain future outcomes of the terminal reservoir.
 - A consultant has been chosen to perform the structural calculations and construction package for the new building's location over the existing flocculation basin.
 - Budget ~\$90,000

Unbudgeted O&M Projects

- Sludge Bed Curtain Wall Rehabilitation
 - One sludge bed has developed a leak through the adjacent hillside that leads down to the terminal reservoir's spillway. 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.
 - No estimate of cost at this time
- Aqueous Ammonia Room
 - The aqueous ammonia the WTP plant staff makes to create chloramines is done daily. The District is looking into the feasibility to expand the existing building to upsize the batch tank to a 2 to 3-day capacity.
 - No estimate of cost at this time

Upcoming Projects for 20/21:

- Replacement of Hach Turbidimeter
- EQ Pump Upgrade
- CO2 Injection System

Completed Projects

- Repairs to Terminal Dam Spillway
- Lopez Terminal Dam Monument Survey
- Domestic Tank Repairs