



## ZONE 3 ADVISORY COMMITTEE

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San Luis Obispo County Flood Control and Water Conservation District

### AGENDA

Thursday, November 14, 2019 6:30 P.M.  
City of Arroyo Grande Council Chambers  
300 East Branch Street, Arroyo Grande, California 93420

- I. CALL TO ORDER AND ROLL CALL
- II. PUBLIC COMMENT  
This is 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. September 19, 2019 – [Attachment 1](#)
- IV. APPROVAL OF 2020 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. Water Supply Contract Changes – [Verbal Update](#)
  - C. Cloud Seeding Update – [Verbal Update](#)
- VII. CAPITAL PROJECTS UPDATE
  - A. Bi-Monthly Update – [Attachment 6](#)
- VIII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
- IX. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
- X. FUTURE AGENDA ITEMS
  - A. Contract Changes
  - B. Floating Solar
  - C. Low Reservoir Response Plan (LRRP)
  - D. Cost/Benefit Analysis of Abandoning Use of the Terminal Reservoir
- XI. COMMITTEE MEMBER COMMENTS

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Next Regular Meeting is Tentatively Scheduled for  
January 16, 2020 at 6:30 PM at City of Grover Beach Council Chambers  
Agendas accessible online at [www.slocounty.ca.gov/pw/zone3](http://www.slocounty.ca.gov/pw/zone3)

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**SAN LUIS OBISPO COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT  
ZONE 3 ADVISORY COMMITTEE  
DRAFT MEETING MINUTES  
THURSDAY September 19, 2019**

- I. **Call to Order and Roll Call** -- The Zone 3 Advisory Committee Meeting was called to order at 6:30 PM at the City of Grover Beach Council Chambers by Committee Chair and City of Arroyo Grande Representative, Kristen Barneich.

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

- Shirley Gibson, Oceano CSD
- Kristen Barneich, City of Arroyo Grande
- Marcia Guthrie, City of Pismo Beach
- Karen Bright, City of Grover Beach
- Jim Garing, Member at Large
- Brian Talley, Agriculture Member

- II. **Public Comment** – Ms. Ogren handed out the updated San Luis Obispo County Zone 3 Flood Control District brochure providing information on the facilities that encompass Zone 3. Brochure is available on the County’s Zone 3 website.

III. **Approval of Meeting Minutes**

A. **March 21, 2019 and July 18, 2019** – Member Barneich motioned approval; Member Gibson seconded. Member Bright abstained and Member Garing abstained for the March 21, 2019 Meeting Minutes approval. Ms. Ogren clarified Robert’s Rules of Order stating a member did not need to be present at previous meetings in order to vote on approval. All that is needed is to have a quorum present at the meeting for approval even if a member abstains. ***motion passed.***

IV. **Operations Report**

A. **Water Plant Operations, Reservoir Storage, Downstream Releases** -- Ms. Ogren indicated: Lopez Lake elevation was 493.60 feet; storage was 27,117 acre-feet (AF), which is 55% capacity; rainfall to date, since July 1, 2019, was 0 inches; plant production was 5.6 million gallons per day (MGD); downstream release was 2.7 MGD; and State Water was 0.77 MGD.

B. **Projected Reservoir Levels** – Ms. Ogren, referring to the Lopez Reservoir Projections Chart, noted Lopez reservoir was well above the Low Reservoir Response Plan trigger of 20,000 AF but projections are on a downward trend due to no rain. Projected rain fall shows rain is expected for the month of September and October, this will be tracked to see how accurate projections are.

C. **July & August Monthly Operations Report** -- Ms. Ogren, reviewed the monthly operations reports with the committee. Stored State Water is slightly increasing as

several agencies are not taking State Water at this time, but some State Water is being used to help blend with Lopez Water. Quantity of water being delivered to agencies is still on track and all agencies are still using their Entitlement. Ms. Ogren noted the chart is a little different due to adding an extra column of data for Surplus Requested that began in July of 2019.

No public comment was given.

## V. Information Items

**A. 4<sup>th</sup> Quarter Budget Status** – Kristi Smith, County of Public Works Finance Division Accountant, discussed the 4<sup>th</sup> Quarter budget status and referred to Attachment 4 in the Agenda Packet. 95% of the annual budget expenses for Routine O&M were used and resulted in a savings of \$213,277 of the budgeted \$3.9M. 47% of the annual budget expenses for Non-Routine O&M were used and resulted in \$352,000 being carried forward into FY 2019-20. 7% of the annual budget expenses for Capital Outlay were used and most of the unspent budget will be carried forward into FY 2019-20 while approximately \$117,000 in unspent budget from completed projects will be credited back to the agencies. All agencies are current on their payments and an estimated \$381,495 in credit for FY 2018-19 will be allocated to the agencies.

Ms. Smith made a correction on the budget status she provided at the July meeting regarding direction from the Advisory Committee about increasing the contractor's reserves with some of the estimated credit. No direction will be requested. During the development of the FY 2019-20 budget, TAC expressed interest in increasing their contractor reserves if there were savings from the Cloudseeding effort. This will not be discussed with TAC until the Spring of 2020 and will be brought forward to the Advisory Committee at that time.

Member Bright asked if most of the savings came from Pigging line item in the Non-Routine O&M and how the savings from all three categories (Routine O&M, Non-Routine O&M, and Capital Outlay) were achieved. Ms. Smith confirmed most of the savings came from the Pigging item which has been removed and referred to the graphs on Attachment 4.

Member Barneich requested a description of the Pigging item. Ms. Smith stated she was unable to answer that question. Member Garing clarified that Pigging is a process where flexible plugs are inserted into a pipeline and pushed through by the water pressure to help clean the inside of the pipeline. The piggs (plugs) used will have different abrasive surfaces on the outside and come in different diameters. TAC had made the decision that the project was not needed at this time which is why most savings came from Pigging.

No public comment was given.

**B. Water Supply Contract Changes Update** – Ms. Ogren introduced Dan Heimel, of Water Systems Consulting Inc., who is a consultant hired by the District to assist with Coordination on this work effort. Mr. Heimel provided a Power Point presentation on the proposed contract changes that would allow Contractors the ability to store water year over year. The status and results of current modeling efforts and next steps was discussed. Mr. Heimel referred to Attachment 5 in the Agenda Packet.

Member Barneich asked why the water supply contracts were setup as a “Use it or Lose it” situation. Ms. Ogren clarified that the original contracts from the early 1960s were written with the idea that if one agency could not put the water to beneficial use then it should be available to someone else. Unfortunately, this does not allow for multi-year planning, only a year by year basis for planning. The contracts were written and entered into prior to the Lopez dam construction.

Member Guthrie/Gibson asked if there was a timeline for the contract changes process. Mr. Heibel stated the agencies would like to move this forward on an expedited timeline and would like to be able to have modeling results that include storage, ideally, by the November Advisory Committee meeting.

Member Bright asked if Mr. Heibel expected to be at the November Advisory Committee meeting with the CEQA Evaluations. Mr. Heibel clarified that he was hoping to be back at that time with authorization to begin the CEQA Evaluations.

Member Talley asked what the timeframe on the CEQA review would be. Ms. Ogren stated there is no estimate on the timeframe just yet, but she or Mr. Heibel will come back with an answer.

No public comment was given.

#### **VI. Capital Projects Update**

**B. Bi-Monthly Update** – Ms. Ogren, referencing the staff report on Capital Improvement Project Updates (Attachment 6), presented the current list of projects to be completed and a brief discussion of the status of each project. Since the July meeting, there has not been much change in project status.

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)**

**Cloud Seeding**– Ms. Ogren introduced Ray Dienzo, County of Public Works Water Resources Engineer, who discussed the Cloud Seeding project update and referenced Attachment 7 in the Agenda Packet. Mr. Dienzo confirmed the Request For Proposals (RFP) has been released and has a 2-week bidding period for proposals. Bids will be opened on September 30<sup>th</sup>. The Project RFP is for a 3-year program. Project start date is anticipated to be December 15, 2019. January 2020 would be the earliest to actually begin cloudseeding.

Mr. Dienzo discussed the proposed suspension criteria for the program located at the end of the staff report. Suspension criteria is a set of criteria that will be evaluated prior to seeding a particular storm to determine if seeding should continue. Mr. Dienzo stated that he had met with agricultural representatives to get input on the criteria related to agricultural impacts. Ag representative Brian Talley requested that suspension criteria #7 be changed to be more general and read “any impacts to Ag...” because the main impact will not be during harvest but during planting. Mr. Dienzo reiterated that this suspension

criteria is adaptive. The Board of Supervisors will be asked to approve the suspension criteria at time of contract award, target date is December 10, 2019.

Member Barneich asked how much rain prior to cloudseeding would cause an impact to agricultural crops specifically the planting operations. Member Talley replied that his understanding is that based on historic data, the expectation is that this program would increase rainfall between 7-13% and that the target area is the area above the dam so he is not expecting much direct impact from the cloud seeding operations. Mr. Dienzo confirmed that the focus of the Cloud Seeding area will be predominantly behind Lopez Dam, not over urban or agricultural areas.

Member Bright asked if this is the first time for Cloud Seeding to take place for Zone 3. Mr. Dienzo confirmed this would be the first time officially and Member Garing provided information regarding a previous Cloud Seeding arrangement with Santa Barbara County in the early 1990s but that partnership was cancelled as orders were received to lower the Lopez Dam levels and in 1998-99 were very wet years that further delayed progress on Cloud Seeding.

No Public comment was given.

**IX. Future Agenda Items**

**A. Contract Changes**

**B. Cloud Seeding**

**C. Low Reservoir Response Plan (LRRP)**

**D. Cost/Benefit Analysis of Abandoning Use of the Terminal Reservoir**

**X. Committee Member Comments** – Member Talley acknowledged Ms. Ogren attending a meeting with local farming community and presented a nice overview of the Contract Changes provided by Dan Heimel and the impacts it will have for local farmers. It was helpful and provided a lot of productive discussions.

**Meeting Adjourned at 7:53 PM**

Respectfully Submitted,

Jenny Williamson  
County of San Luis Obispo Public Works Department



## **DRAFT ZONE 3 - LOPEZ PROJECT**

### **ADVISORY AND TECHNICAL ADVISORY COMMITTEES**

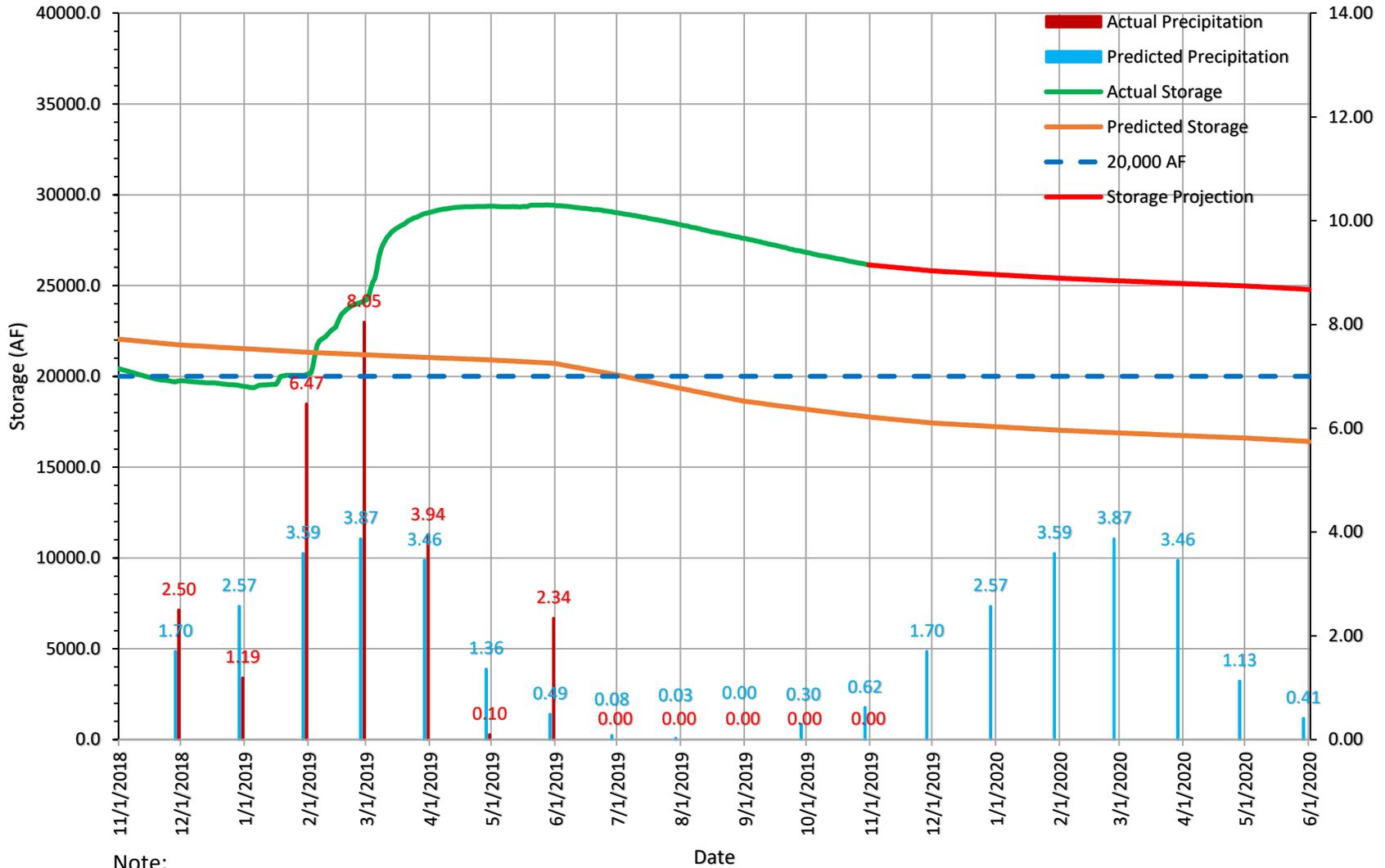
#### **2020 MEETING SCHEDULE**

<b>Date</b>	<b>Group</b>	<b>Location<sup>1</sup></b>	<b>Purpose</b>
Jan 8, 2020	TAC <sup>2</sup>	Arroyo Grande, 9:00 AM	Discuss proposed FY 20/21 budget
Jan 16, 2020	Advisory Committee	Grover Beach, 6:30 PM	Distribute proposed FY 20/21 budget
Feb 12, 2020	TAC	Arroyo Grande, 9:00 AM	Distribute proposed FY 20/21 budget
Mar 11, 2020	TAC	Arroyo Grande, 9:00 AM	Budget discussion/recommendation; present estimated surplus water quantity available in 20/21
Mar 19, 2020	Advisory Committee	Arroyo Grande, 6:30 PM	Present 2 <sup>nd</sup> quarter FY 19/20 budget status; present proposed FY20/21 budget; endorse FY20/21 budget; present estimated surplus water quantity available in WY 20/21
Apr 8, 2020	TAC	Arroyo Grande, 9:00 AM	Present actual surplus water quantity available in WY 20/21
May 13, 2020	TAC	Arroyo Grande, 9:00 AM	
May 21, 2020	Advisory Committee	Pismo Beach, 6:30 PM	3 <sup>rd</sup> Quarter Budget Status
Jun 10, 2020	TAC	Arroyo Grande, 9:00 AM	
Jul 8, 2020	TAC	Arroyo Grande, 9:00 AM	
Jul 16, 2020	Advisory Committee	Oceano CSD, 6:30 PM Tentative	Officer Rotations
Aug 12, 2020	TAC	Arroyo Grande, 9:00AM	
Sep 9, 2020	TAC	Arroyo Grande, 9:00 AM	Request Water Delivery Schedule - due Oct 1
Sep 17, 2020	Advisory Committee	Grover Beach, 6:30 PM	4 <sup>th</sup> Quarter Budget Status
Oct 14, 2020	TAC	Arroyo Grande, 9:00 AM	
Nov 11, 2020	TAC	Arroyo Grande, 9:00 AM	Discuss proposed Capital Improvement Projects for next FY
Nov 19, 2020	Advisory Committee	Arroyo Grande, 6:30 PM	1 <sup>st</sup> Quarter Budget Status
Dec 9, 2020	TAC	Arroyo Grande, 9:00 AM	Distribute Water Delivery Schedule by Jan 1

<sup>1</sup> All locations noted are at City Hall or Oceano Community Services District Board Chambers unless otherwise noted

<sup>2</sup> TAC - Technical Advisory Committee

# LOPEZ RESERVOIR STORAGE PROJECTION

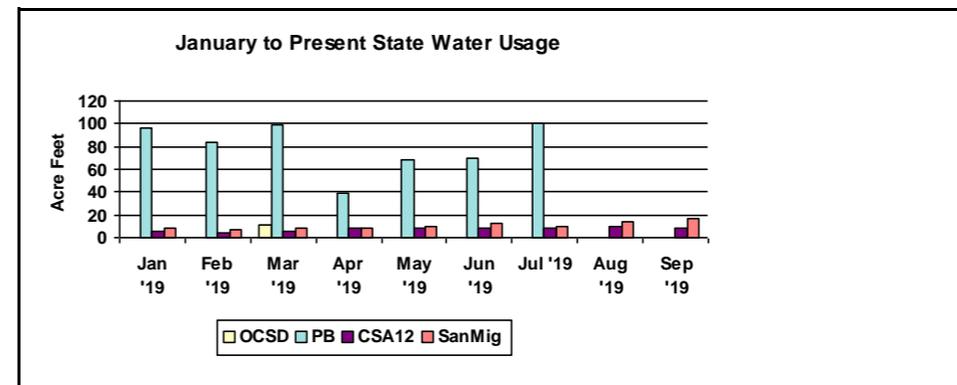
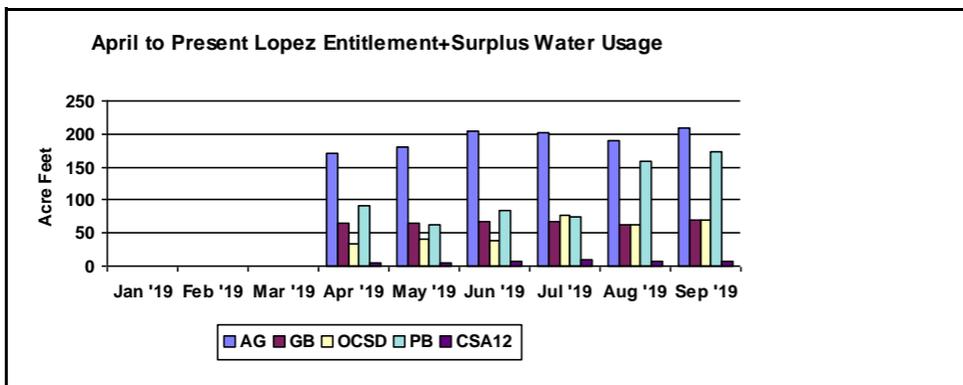


Note:

1. Storage projection is based on predicted rainfall from longrangeweather.com, historic inflow based on predicted rainfall, 18-19 downstream release requests, and municipal usage.

## San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report September, 2019

Contractor	Lopez Water Deliveries												State Water Deliveries						Total Water Deliveries This Month				
	Entl.	Surplus Water Declared	Surplus Requested	Total	This Month				April to Present				Annual Request	This Month			January to Present						
					Entitlement		Surplus		Entitlement		Surplus			Usage	% of Annual Request	SWP Deliveries	Change in Storage	Usage		% of Annual Request	SWP Deliveries		
					Usage	%	Usage	%	Usage	%	Usage	%											
Arroyo Grande	2290	378.00	0.00	2668.00	208.74	9.1%	0.00	0.0%	1154.10	50.4%	0.00	0.0%	1154.10	43.3%								208.74	
Oceano CSD	303	50.00	400.00	353.00	50.77	16.8%	19.38	38.8%	303.00	100.0%	19.38	38.8%	322.38	91.3%	227	0.00	0.0%			10.98	4.8%		70.15
Grover Beach	800	132.00	20.00	932.00	68.85	8.6%	0.00	0.0%	394.31	49.3%	0.00	0.0%	394.31	42.3%								68.85	
Pismo Beach	892	147.00	200.00	1039.00	173.49	19.4%	0.00	0.0%	644.35	72.2%	0.00	0.0%	644.35	62.0%	1120	0.00	0.0%			555.55	49.6%		173.49
CSA 12	245	40.00	0.00	285.00	8.19	3.3%	0.00	0.0%	39.96	16.3%	0.00	0.0%	39.96	14.0%	27	8.40	31.1%			66.76	247.3%		16.59
San Miguelito															127	16.83	13.3%			94.47	74.4%		16.83
<b>Total</b>	<b>4530</b>	<b>747.00</b>	<b>620.00</b>	<b>5277.00</b>	<b>510.04</b>	<b>11.3%</b>	<b>19.38</b>	<b>2.6%</b>	<b>2535.72</b>	<b>56.0%</b>	<b>19.38</b>	<b>2.6%</b>	<b>2555.10</b>	<b>48.4%</b>	<b>1501</b>	<b>25.23</b>	<b>1.7%</b>	<b>73</b>	<b>47.77</b>	<b>727.76</b>	<b>48.5%</b>	<b>626.00</b>	<b>554.65</b>
												Last Month Stored State Water			<b>1237.99</b>			This Month Stored State Water			<b>1285.76</b>		



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.

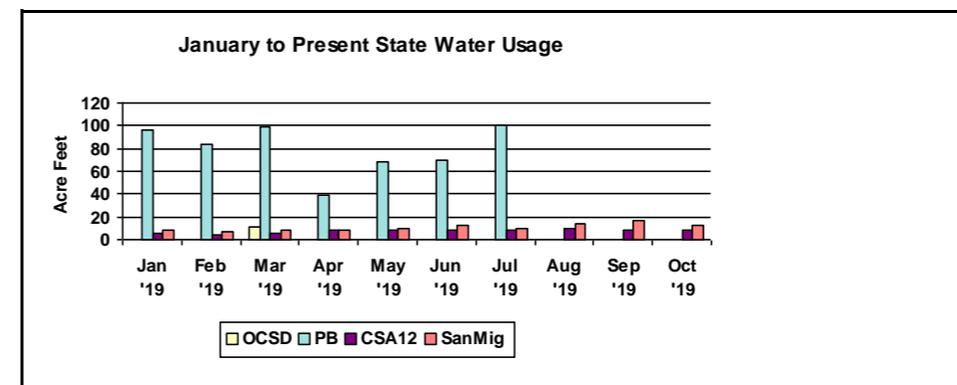
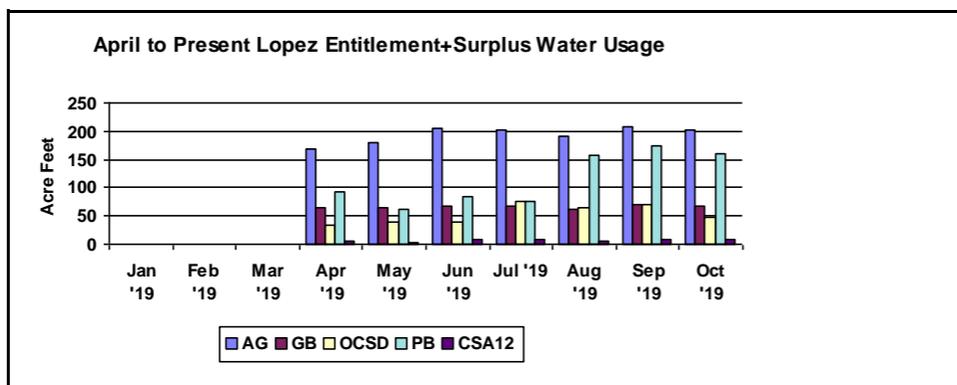
Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	493.15	-	Difference (feet)	-29.22
Storage (full at 49200 acre feet)	26841	-	% Full	54.6%
Rainfall	0	0.00		
Downstream Release (4200 acre feet/year)	248.58	1235.22		
Spillage (acre feet)	0	0.00		

**Comments:** Available Surplus Water is shown and as designated per BOS May 14, 2019 Declaration of Surplus Water. Beginning with July report, Surplus water shown will be amount purchased by each agency.

1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.08 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 2.08 AF was subtracted from Arroyo Grande's usage this month.

## San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report October, 2019

Contractor	Lopez Water Deliveries										State Water Deliveries						Total Water Deliveries This Month							
	Entl.	Surplus Water Declared	Surplus Requested	Total	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	378.00	0.00	2668.00	202.06	8.8%	0.00	0.0%	1356.16	59.2%	0.00	0.0%	1356.16	50.8%									202.06	
Oceano CSD	303	50.00	400.00	353.00	0.00	0.0%	48.50	97.0%	303.00	100.0%	67.88	17.0%	370.88	105.1%	227	0.00	0.0%			10.98	4.8%			48.5
Grover Beach	800	132.00	20.00	932.00	67.11	8.4%	0.00	0.0%	461.42	57.7%	0.00	0.0%	461.42	49.5%									67.11	
Pismo Beach	892	147.00	200.00	1039.00	160.74	18.0%	0.00	0.0%	805.09	90.3%	0.00	0.0%	805.09	77.5%	1120	0.00	0.0%			555.55	49.6%			160.74
CSA 12	245	40.00	0.00	285.00	9.67	3.9%	0.00	0.0%	49.63	20.3%	0.00	0.0%	49.63	17.4%	27	8.51	31.5%			75.27	278.8%			18.18
San Miguelito															127	11.92	9.4%			106.39	83.8%			11.92
<b>Total</b>	<b>4530</b>	<b>747.00</b>	<b>620.00</b>	<b>5277.00</b>	<b>439.58</b>	<b>9.7%</b>	<b>48.50</b>	<b>6.5%</b>	<b>2975.30</b>	<b>65.7%</b>	<b>67.88</b>	<b>9.1%</b>	<b>3043.18</b>	<b>57.7%</b>	<b>1501</b>	<b>20.43</b>	<b>1.4%</b>			<b>748.19</b>	<b>49.8%</b>	<b>626.00</b>		<b>508.51</b>
												Last Month Stored State Water			This Month Stored State Water			<b>1265.33</b>						



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)	491.97		Difference (feet)	-30.40
Storage (full at 49200 acre feet)	26126		% Full	53.1%
Rainfall	0	0.00		
Downstream Release (4200 acre feet/year)	287.25	1522.47		
Spillage (acre feet)	0	0.00		

**Comments:** Available Surplus Water is shown and as designated per BOS May 14, 2019 Declaration of Surplus Water. Beginning with July report, Surplus water shown will be amount purchased by each agency.

1) Oceano supplied water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.2 AF delivered to Canyon Crest was added to Oceano's water usage this month and 2.2 AF was subtracted from Arroyo Grande's usage this month.



**November 14, 2019**

**MEMORANDUM**

**TO:** Flood Control Zone 3 Advisory Committee  
**FROM:** Kristi Smith, Accountant  
**SUBJECT:** Flood Control Zone 3, First Quarter Budget Status, Fiscal Year 2019-20

**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 2019-20. The \$5.8M 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
5,798,347	922,419	4,875,928	16%

**Routine O&M:** This category has a budget of \$3.9M dollars. At the end of the first quarter, 22% of the annual budget has been expended, resulting in approximately \$3M 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
3,894,400	866,567	3,027,833	22%

**Non-Routine O&M:** This category has a budget of approximately \$870,000. At the end of the first quarter, 2% of the annual budget has been expended, resulting in an available balance of roughly \$850,000 for the remainder of the year. Almost half of this category's budget has been carried forward from the prior year.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
872,073	19,241	852,832	2%

**Capital Outlay:** This category has a budget of just over \$1M. At the end of the first quarter, expenses were 4% of the annual budget, resulting in approximately \$995,000 available for the remainder of the year. Unspent budget from the prior year has been carried forward for many projects and accounts for roughly half of this category's budget.

Total Budget	Expenses through Q1	Balance Available	% of Budget Expended
1,031,874	36,611	995,263	4%

**Other Agency Involvement/Impact**

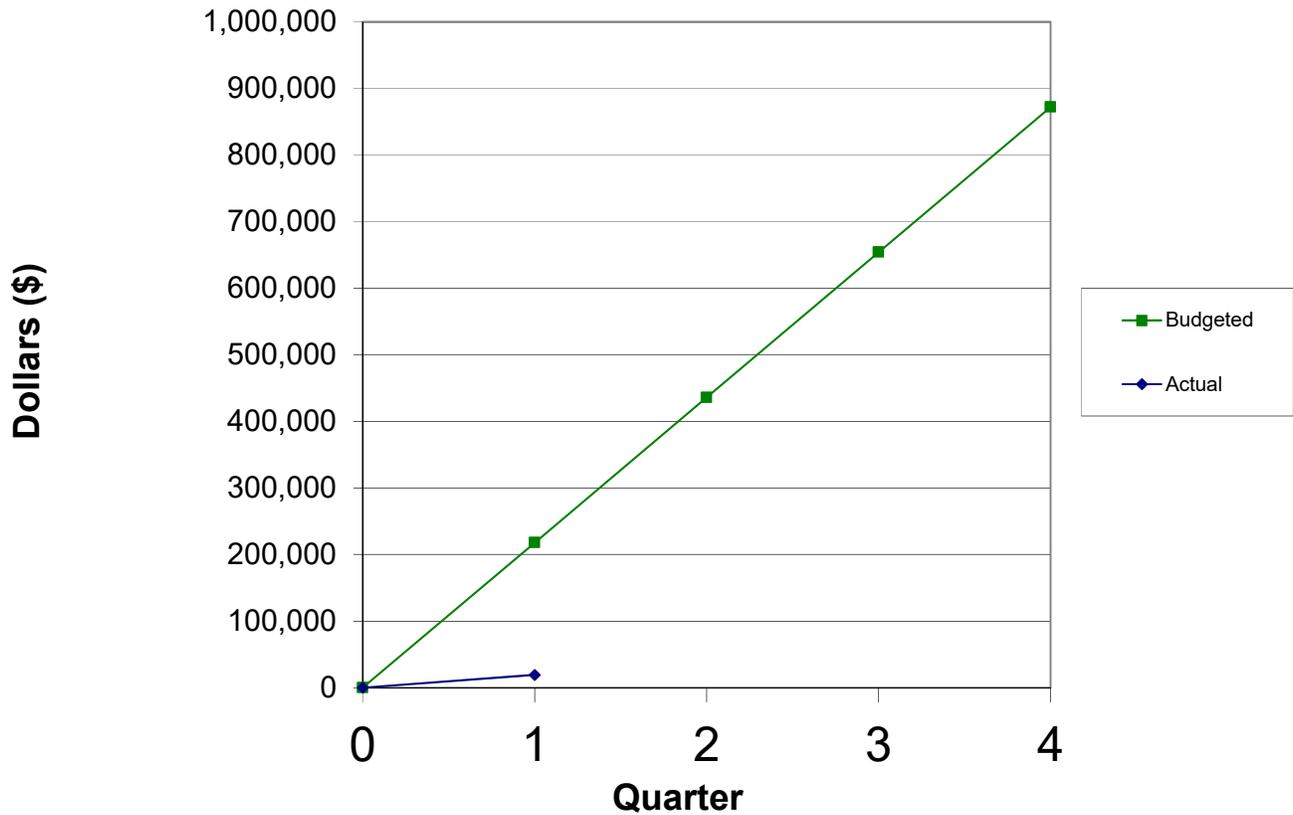
The agencies involved are: City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, Oceano Community Services District, and County Service Area 12. Subcontractors of CSA 12 include Port San Luis Harbor District and Avila Beach Community Services District.

**Financial Consideration**

All agencies are current on their payments. Earlier this month, the revised billings for FY 2018-19 were mailed along with the 2<sup>nd</sup> installment of the FY 2019-20 billings. Payments are due January 1, 2020.

Zone 3 Budget Status  
1st Quarter FY19/20

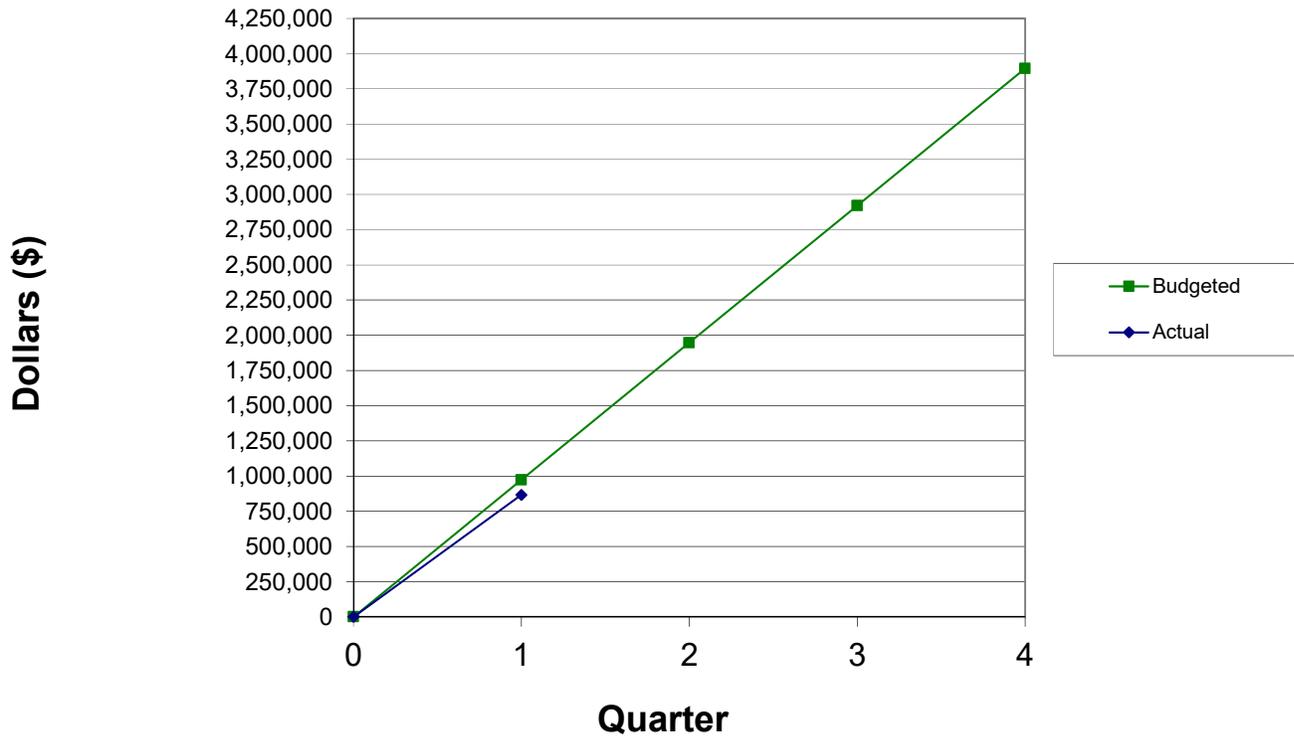
## Non-Routine Operation and Maintenance



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	\$ 431,424	\$ 14,800	\$ -	\$ -	\$ -	\$ 14,800	3%	\$ 416,624
Contribution to ISF for Shared New Equip	37,982	-	-	-	-	-	0%	37,982
Domestic & Fireflow Tank Assessment <b>completed</b>	42,667	-	-	-	-	-	0%	42,667
Cloud Seeding Program	300,000	1,136	-	-	-	1,136	0%	298,864
Equipment Audit/Replacement Plan	25,000	-	-	-	-	-	0%	25,000
Water Treatment Alternatives Study	35,000	-	-	-	-	-	0%	35,000
Other	-	3,305	-	-	-	3,305		(3,305)
<b>Expenses</b>		<b>19,241</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>19,241</b>	<b>2%</b>	<b>852,832</b>
<b>Budget</b>	<b>872,073</b>	<b>218,018</b>	<b>218,018</b>	<b>218,018</b>	<b>218,018</b>	<b>872,073</b>		
<b>Variance (over)/under</b>		<b>198,777</b>	<b>218,018</b>	<b>218,018</b>	<b>218,018</b>	<b>852,832</b>		
<b>% Variance</b>		<b>91%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>			

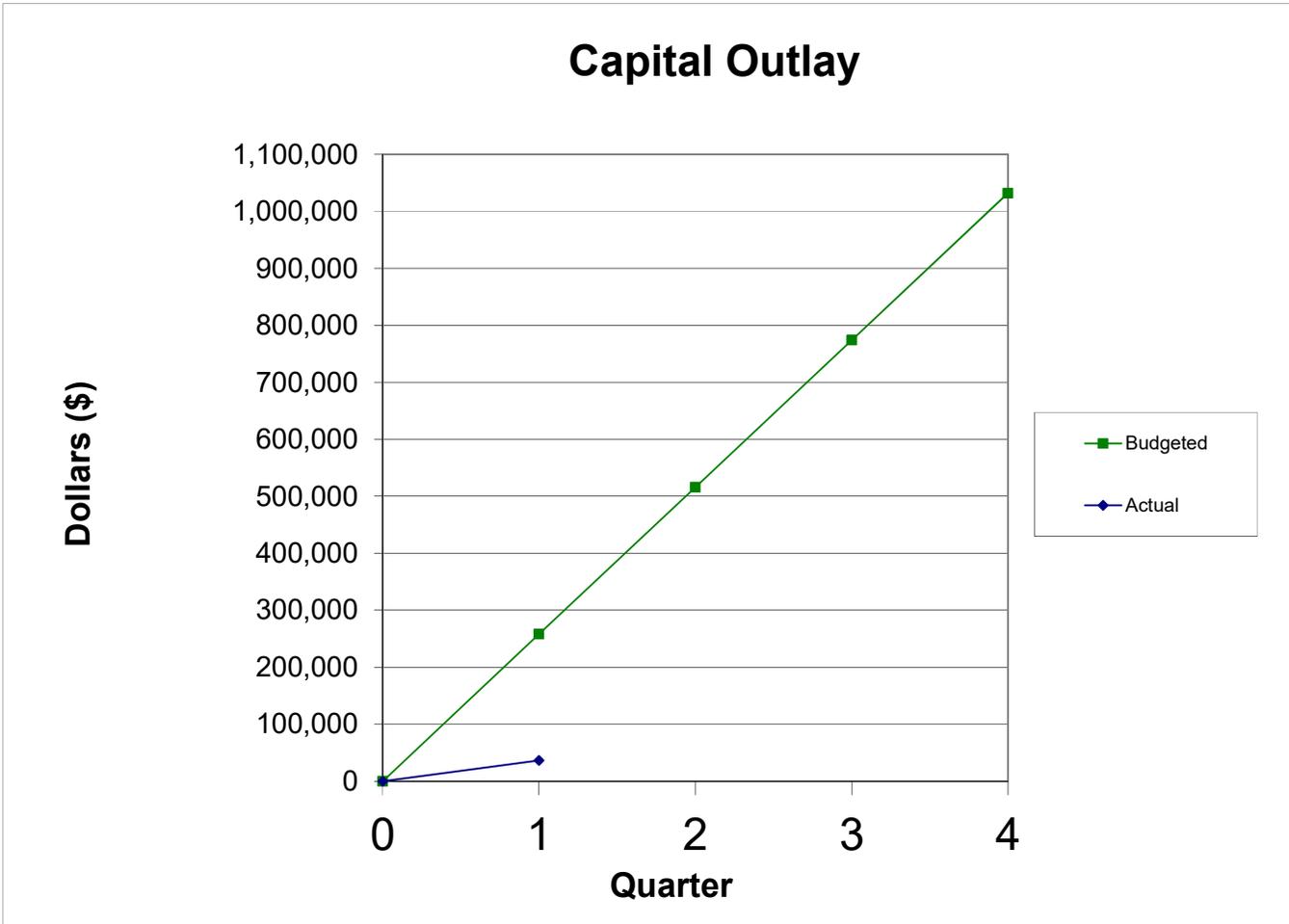
Zone 3 Budget Status  
1st Quarter FY19/20

## 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	23,302	4,992	-	-	-	4,992	21%	
Chemicals - Water Treatment Plant	\$ 408,791	\$ 95,951	\$ -	\$ -	\$ -	\$ 95,951	23%	\$ 312,840
Water Quality Testing - Treatment Plant	56,773	14,394	-	-	-	14,394	25%	42,379
Electricity - Water Treatment Plant	237,747	88,365	-	-	-	88,365	37%	149,382
All Other Costs - Water Treatment Plant	1,779,397	360,891	-	-	-	360,891	20%	1,418,506
Terminal	186,695	31,375	-	-	-	31,375	17%	155,320
Main Dam	320,073	89,538	-	-	-	89,538	28%	230,535
Other	904,924	186,052	-	-	-	186,052	21%	718,872
Expenses		866,567	-	-	-	866,567	22%	3,027,833
Budget	3,894,400	973,600	973,600	973,600	973,600	3,894,400		
Variance (over)/under		107,033	973,600	973,600	973,600	3,027,833		
% Variance		11%	100%	100%	100%			

Zone 3 Budget Status  
1st Quarter FY19/20



Capital Outlay Projects	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Cathodic Protection Maint	153,921	28,705	-	-	-	28,705	19%	125,216
Structural Assessment Term Resv Dam	90,000	171	-	-	-	171	0%	89,829
Safety Upgrades to WTP	53,282	-	-	-	-	-	0%	53,282
Rebuild Membrane Feed Pumps <span style="color: red;">completed</span>	23,213	-	-	-	-	-	0%	23,213
Spillway Physical Investigation	200,000	6,188	-	-	-	6,188	3%	193,812
Improved Boat Access at Term Res	50,000	-	-	-	-	-	0%	50,000
Ammonia Analyzer Equip Repl	36,609	-	-	-	-	-	0%	36,609
Repair Fault Zone Left Dam Abutment	180,000	-	-	-	-	-	0%	180,000
Equip Storage Garage Design	89,849	-	-	-	-	-	0%	89,849
Repairs Domestic & Fireflow Tanks	100,000	1,548	-	-	-	1,548	2%	98,452
Various Equipment Replacement	55,000	-	-	-	-	-	0%	55,000
<b>Expenses</b>		<b>36,611</b>	<b>-</b>	<b>-</b>	<b>-</b>	<b>36,611</b>	<b>4%</b>	<b>995,263</b>
<b>Budget</b>	<b>1,031,874</b>	<b>257,969</b>	<b>257,969</b>	<b>257,969</b>	<b>257,969</b>	<b>1,031,874</b>		
<b>Variance (over)/under</b>		<b>221,357</b>	<b>257,969</b>	<b>257,969</b>	<b>257,969</b>	<b>995,263</b>		
<b>% Variance</b>		<b>86%</b>	<b>100%</b>	<b>100%</b>	<b>100%</b>			



## ZONE 3 Lopez Project

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San Luis Obispo County Flood Control and Water Conservation District

**TO:** Zone 3 Advisory Committee

**FROM:** David Spiegel, PE

**DATE:** November 14, 2019

**SUBJECT:** Zone 3 Projects Update

### **Project Updates:**

- Spillway Assessment (No Change)
  - DSOD is reviewing assessments on a priority basis and will update the District on their progress
  - Geotechnical and structural testing will be scheduled following DSOD approval of assessment and recommendations
- Lopez Dam and Terminal Dam Hazard Classification
  - DSOD has approved the inundation maps
  - Emergency Action Plans with maps sent to CAL OES
  - Public Outreach Plan being developed for releasing new inundation maps to website and agencies
- Structural Assessment of Terminal Reservoir Dam (No Change)
  - A Consultant has been contracted to do the geotechnical work on the dam waiting for DSOD permit
  - The DSOD permit application has been submitted
- Fault Zone Risk Assessment for Dam Left Abutment (No Change)
  - Received one quote at \$39,000.
- Lopez WTP Safety Upgrades (No Change)
  - Determining scope of membrane building safety upgrades
- Domestic and Fire Tank (No Change)
  - Domestic tank repairs to be completed this year ~\$10,000
  - Fireflow Tank repairs/replacement will require significant funding. Proposing to set aside funds beginning FY 21/22
- Lopez Leach Field Replacement – Work Completed
- Cathodic Protection Survey (No Change)
  - Initial site investigations and testing has been completed by consultant
  - Report is in progress



## ZONE 3 Lopez Project

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San Luis Obispo County Flood Control and Water Conservation District

- Equipment Storage Building (No Change)
  - Scoping new location
  - One quote received, ~\$69,000.00 for the building
  - Low priority at this time

### **Upcoming Projects:**

- Ammonia Analyzer #2
- Improved Boat Access
- Remove Wall between Sludge Beds 3 and 4

### **Completed Projects**

- Replaced sludge bed #1 underdrain system
- Rebuild membrane feed pump
- Existing Bypass Pipeline Condition Assessment
- Sludge Bed Cleanout Repair – 4 total
- Turnout SCADA Project
- Sludge Repair on Bed 4A
- Pressure Transducers
- Turnout Flow Meters
- Static Mixer
- Lopez WTP Safety Upgrades
  - Safety Railings and Catwalks installed