



## ZONE 3 ADVISORY COMMITTEE

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San Luis Obispo County Flood Control and Water Conservation District

### AGENDA

Thursday, May 21, 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 (408) 650-3123

**Access Code:** 769-131-845

**OR**

**Webinar:** <https://global.gotomeeting.com/join/769131845>

- 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. January 16, 2020 – [Attachment 1](#)
- IV. OPERATIONS REPORT
  - A. Water Plant Operations, Reservoir Storage, Downstream Releases - [Verbal Update](#)
  - B. Projected Reservoir Levels – [Attachment 2](#)
  - C. March & April Monthly Operations Report – [Attachment 3](#)
- V. INFORMATION ITEMS
  - A. 3<sup>rd</sup> Quarter FY 2019/20 Budget Status – [Attachment 4](#)
  - B. Cloud Seeding Update – [Verbal Update](#)
  - C. Water Supply Contract Changes – [Verbal Update](#)
- VI. CAPITAL PROJECTS UPDATE
  - A. Bi-Monthly Update – [Attachment 5](#)
- VII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
- VIII. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
  - A. Surplus Water Declaration for WY 19/20 – [Roll Call Vote - Attachment 6](#)
  - B. Request to use \$50,000 of Zone 3 District Designated Reserves for AG Creek Sub-Basin Ground Water Sustainability Plan – [Roll Call Vote - Attachment 7](#)
- IX. FUTURE AGENDA ITEMS
  - A. Contract Changes
  - B. Cost/Benefit Analysis of De-Commissioning the Terminal Reservoir



## ZONE 3 ADVISORY COMMITTEE

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San Luis Obispo County Flood Control and Water Conservation District

### X. COMMITTEE MEMBER COMMENTS

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Next Regular Meeting is Tentatively Scheduled for  
July 16, 2020 at 6:30 PM at the Oceano Community Services District  
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 January 16, 2020**

- 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 Representative, Karen Bright.

County Public Works Utilities Division Senior Engineer and Secretary to the Advisory Committee, Jill Ogren, called roll. Quorum was not present. Members in attendance were:

- Shirley Gibson, Oceano CSD
- Karen Bright, City of Grover Beach

No Quorum met; Member Bright motioned to recess until Quorum is met. Member Gibson seconded. Meeting reconvened a short time later and Ms. Ogren called roll. Quorum was present. Members in attendance were:

- Shirley Gibson, Oceano CSD
- Jim Garing, Member at Large
- Karen Bright, City of Grover Beach
- Vard Ikeda, Agriculture Member

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

III. **Approval of Meeting Minutes**

A. **November 14, 2019** – Member Bright stated a correction to who was present at the November meeting needs to be made. Member Kristen Barneich was not present. Ms. Ogren noted the correction. Member Garing motioned approval and Member Ikeda seconded. Quorum was met, and ***motion passed***.

- IV. **Approval of 2020 Meeting Schedule Revisions** – Ms. Ogren stated there was a change since the last schedule was approved concerning the Zone 3 TAC February TAC meeting. Due to the holiday, the meeting will be moved from February 12<sup>th</sup> to February 5<sup>th</sup>.

V. **Operations Report**

A. **Water Plant Operations, Reservoir Storage, Downstream Releases** -- Ms. Ogren indicated: Lopez Lake elevation was 491.07 feet; storage was 25,590 acre-feet (AF), which is 52% capacity; rainfall to date, since July 1, 2019, was 8.42 inches with rainfall for the month of January at 0.6 inches; plant production was 4.2 million gallons per day (MGD); downstream release was 2.4 MGD; and State Water was 0.72 MGD.

**B. Projected Reservoir Levels** – Ms. Ogren discussed the Lopez Reservoir Projections Chart and pointed out the additional gold line on the chart to reflect Member Guthrie’s request from November’s Advisory Committee meeting for the chart to show what the storage projection would look like with no projected rainfall for the rest of the year. Ms. Ogren stated the chart does look a little different from what it did previously due to an error in graphing calculations. The chart now represents rainfall more accurately.

**C. November and December Monthly Operations Report** -- Ms. Ogren, reviewed the monthly operations reports with the committee. Usage in November was a little high but both months are in line with historic reports. There is 1,456 AF of stored State Water. Oceano and Pismo Beach are currently using surplus water.

No public comment was given.

## **VI. Information Items**

**A. Proposed FY 20/21 Budget** – Kristi Smith, County Public Works Finance Division, discussed the FY 20/21 Budget Proposal and distributed booklets to the Advisory Committee. Ms. Smith stated the budget booklets will be mailed to the Zone 3 finance committees within the week to be given to the city managers and staff while an electronic version will be emailed to TAC members.

TAC members have reviewed and finalized the budgets for the 20/21 Non-Routine O&M and Capital Outlay. They will receive their budget booklets at their next TAC meeting in February.

On February 18<sup>th</sup>, Ms. Smith will be meeting with the Finance Committee and the Advisory Committee was advised to speak with their finance staff if they have any concerns that need to be addressed.

At the March 19<sup>th</sup> Advisory Committee Meeting, Ms. Smith will have a presentation on the budget to present to the committee for endorsement. Once endorsed, the budget will be presented to the Board of Supervisors in mid-June for adoption.

Ms. Smith discussed the district reserves TAC had discussed at their January meeting and distributed a handout detailing the use of the reserves from recommendations made in 2016.

No public comment was given.

**B. Cloud Seeding Update** – Ms. Ogren briefly provided an update on the project and noted that the current storm system passing through had been seeded. This marks the first cloud seed since enacting the program in December. Updates will be provided at each Advisory Committee meeting. The first year’s contract will be all air-based seeding with the following year having the potential to add on a ground-based seeding option. Currently the contract is for one year but includes the option of extending the program an additional 1-2 years if needed.

Member Gibson asked what resulted with the proposed option of partnering with Santa Barbara County for cloud seeding. Ms. Ogren stated the option is still on the table but San Luis Obispo County missed the window of opportunity to partner with Santa Barbara for the air-based program and there may be an option to partner with them next year as well as partnering together for the land-based program.

Member Gibson asked if the county was monitoring data facts. Ms. Ogren stated a program has not been initiated yet for testing as sampling locations have not been setup. There is currently not much public data available supporting cloud seeding to be dangerous to warrant monitoring currently.

Member Ikeda asked how the air-based program works when a potential storm is present. Ms. Ogren explained the pilot will fly into the storm to find areas of the cloud where temperature and wind speeds are ideal to shoot a flair with cloud seeding contents. The flair will disburse the contents, making the water molecules heavy and fall in the form of rain.

**C. Water Supply Contract** – Dan HeimeI, Water Systems Consulting (WSC), provided a presentation on the Zone 3 Contract Change Modeling Model Scenario Results (Attachment 5 of the Agenda Packet). Mr. HeimeI discussed the storage scenario assumptions and modeling of two different scenarios. Baseline Operations (existing contracts) and Agency Storage (proposed amendment). Current key findings of the latest modeling found storage provisions allow CSA-12, OCSO and Pismo Beach to generate Lopez Storage through prioritized delivery of their State Water Project Water, storage provisions provide mechanism for the other agencies to store water, and downstream releases are not impacted by each of the scenarios. Proposed contract revisions are still being discussed with TAC.

Mr. HeimeI is anticipating being back at the Advisory Committee's May 21<sup>st</sup> meeting with updates to the contract changes and approval to move forward with the CEQA process.

Member Ikeda referred to the 2018 Storage Scenario chart and asked if the projections starting at 2042 are just a guestimate based on historical data. Mr. HeimeI confirmed the future projects in the storage scenario chart are based on what has happened historically and current procedures of water storage.

Member Ikeda asked what the status was on the work being done on the Lopez Dam Spillway. Ms. Ogren responded the county is still waiting for DSOD's approval of the work plan.

Member Guthrie referred to the benefits of the proposed changes where the changes will provide incentive for agencies to preserve water in the reservoir and asked if there was an estimate on how much AF would be stored if all agencies acted on the incentive. Mr. HeimeI answered that there would be an estimated 3,000 to 4,000 AF of stored water.

Member Bright asked if an EIR will need to be done during the CEQA phase. Mr. Heimel stated there have been two meetings with the county's environmental division to discuss if an EIR will be needed and at this time it is believed that the CEQA phase can move forward with only a Negative Declaration while avoiding a full EIR.

No public comment was given.

**VII. 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. Updates were provided regarding the Structural Assessment of the Terminal Reservoir in obtaining a permit for the geotechnical work and the Cathodic Protection Survey is about 90% completed before developing scope of work, estimates and quotes for repairs. Ms. Ogren noted a couple of upcoming projects concerning the Terminal Dam Monument Survey, Ammonia Analyzer #2 and Improved Boat Access.

Member Bright asked if the Improved Boat Access project is for recreational boating. Ms. Ogren clarified the project was for the access ramp located at the Terminal Reservoir used for operations.

Member Ikeda asked what the status was for floating solar. Ms. Ogren stated that it was taken off the table for the time being due to the floating solar needing to be anchored to the dam, which DSOD ruled against. Further discussions presented the option of anchoring floating solar to the bottom of the Terminal Reservoir, but this presented more problems to address. The project has been put on hold.

No Public comment was given.

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

No Action Items discussed.

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

No Action Items discussed.

**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**

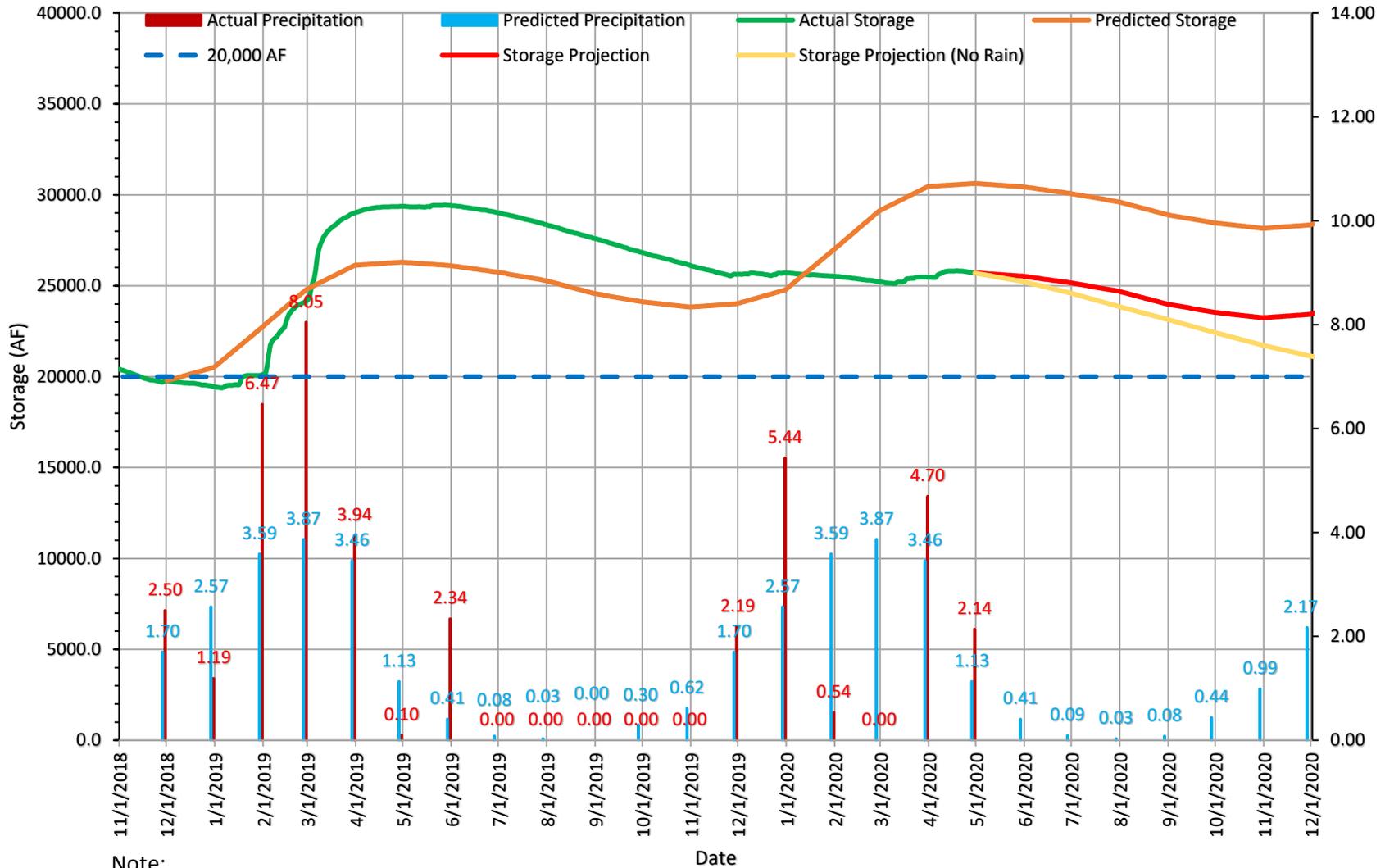
**XI. Committee Member Comments**

**Meeting Adjourned at 7:30 PM**

Respectfully Submitted,

Jenny Williamson  
County of San Luis Obispo Public Works Department

### LOPEZ RESERVOIR STORAGE PROJECTION

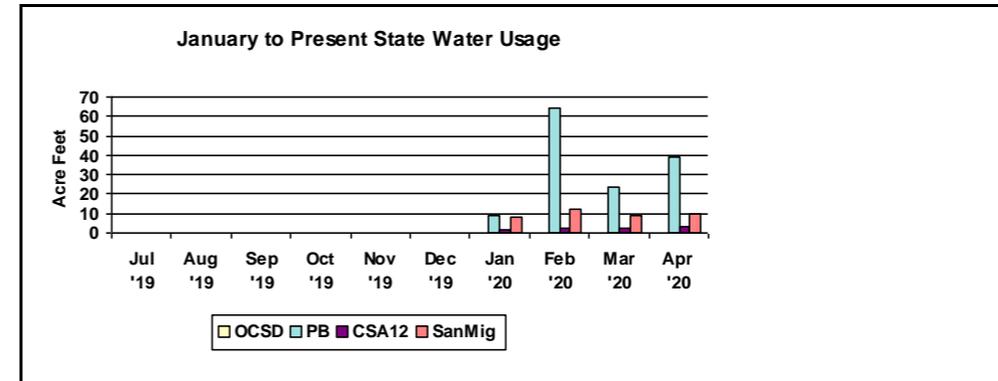
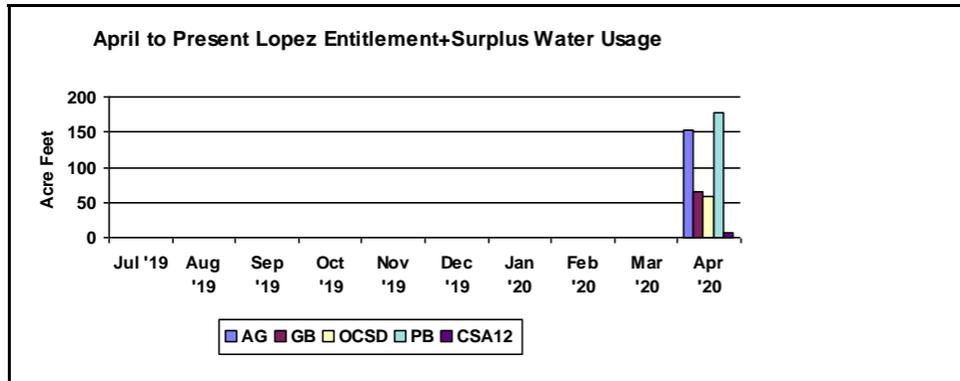


**Note:**

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.

Attachment 3  
 San Luis Obispo County Flood Control and Water District  
 Zone 3 - Lopez Project - Monthly Operations Report  
 April, 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	0.00	2290.00	153.33	6.7%	0.00	0.0%	153.33	6.7%	0.00	0.0%	153.33	6.7%											153.33	
Oceano CSD	303	121.00	0.00	303.00	57.45	19.0%	0.00	0.0%	57.45	19.0%	0.00	0.0%	57.45	19.0%	227	0.00	0.0%				0.00	0.0%				57.45
Grover Beach	800	318.00	0.00	800.00	64.22	8.0%	0.00	0.0%	64.22	8.0%	0.00	0.0%	64.22	8.0%											64.22	
Pismo Beach	892	355.00	0.00	892.00	177.83	19.9%	0.00	0.0%	177.83	19.9%	0.00	0.0%	177.83	19.9%	1120	39.00	3.5%				136.27	12.2%				216.83
CSA 12	245	98.00	0.00	245.00	6.63	2.7%	0.00	0.0%	6.63	2.7%	0.00	0.0%	6.63	2.7%	27	3.04	11.3%				8.96	33.2%				9.67
San Miguelito															127	9.73	7.7%				38.82	30.6%				9.73
<b>Total</b>	<b>4530</b>	<b>1803.00</b>	<b>0.00</b>	<b>4530.00</b>	<b>459.46</b>	<b>10.1%</b>	<b>0.00</b>	<b>0.0%</b>	<b>459.46</b>	<b>10.1%</b>	<b>0.00</b>	<b>0.0%</b>	<b>459.46</b>	<b>10.1%</b>	<b>1501</b>	<b>51.77</b>	<b>3.4%</b>	<b>68</b>	<b>16.23</b>		<b>184.05</b>	<b>12.3%</b>	<b>274.00</b>			<b>511.23</b>
														Last Month Stored State Water			<b>1529.97</b>				This Month Stored State Water			<b>1546.20</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.

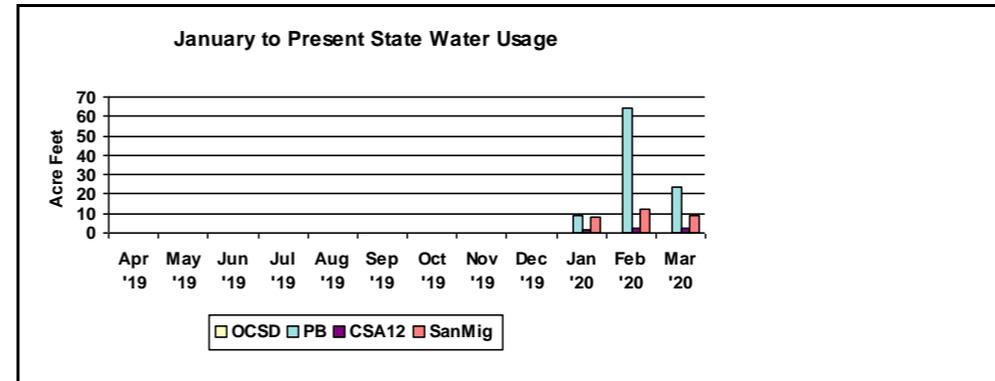
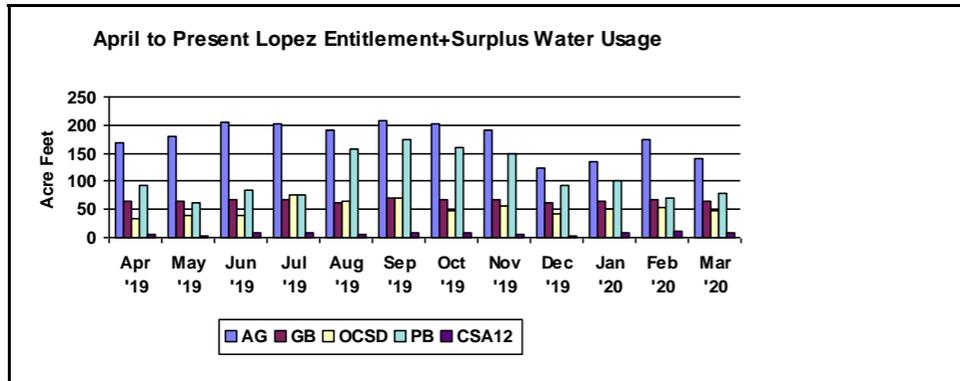
Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	491.25		Difference (feet)	-31.12
Storage (full at 49200 acre feet)	25696		% Full	52.2%
Rainfall	3.02	17.33		
Downstream Release (4200 acre feet/year)	208.68	208.68		
Spillage (acre feet)	0	0.00		

**Comments:**

- 1) Available Surplus Water shown is draft. Surplus Water will be Declared by the Board of Supervisors on June 2, 2020. Surplus Water Requested is still to be determined.
- 2) Oceano supplied water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 3.7 AF delivered to Canyon Crest was added to Oceano's water usage this month and 3.7 AF was subtracted from Arroyo Grande's usage this month.

Attachment 3  
 San Luis Obispo County Flood Control and Water District  
 Zone 3 - Lopez Project - Monthly Operations Report  
 March, 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	378.00	0.00	2290.00	139.74	6.1%	0.00	0.0%	2122.35	92.7%	0.00	0.0%	2122.35	92.7%											139.74	
Oceano CSD	303	50.00	321.35	624.35	0.00	0.0%	48.07	15.0%	303.00	100.0%	321.35	100.0%	624.35	100.0%	227	0.00	0.0%				0.00	0.0%				48.07
Grover Beach	800	132.00	20.00	820.00	64.00	8.0%	0.00	0.0%	787.22	98.4%	0.00	0.0%	787.22	96.0%												64
Pismo Beach	892	147.00	405.65	1297.65	0.00	0.0%	78.65	19.4%	892.00	100.0%	405.65	100.0%	1297.65	100.0%	1120	23.84	2.1%				97.27	8.7%				102.49
CSA 12	245	40.00	0.00	245.00	7.19	2.9%	0.00	0.0%	86.34	35.2%	0.00	0.0%	86.34	35.2%	27	2.04	7.6%				5.92	21.9%				9.23
San Miguelito															120	9.26	7.7%				29.09	24.2%				9.26
<b>Total</b>	<b>4530</b>	<b>747.00</b>	<b>747.00</b>	<b>5277.00</b>	<b>210.93</b>	<b>4.7%</b>	<b>126.72</b>	<b>17.0%</b>	<b>4190.91</b>	<b>92.5%</b>	<b>727.00</b>	<b>97.3%</b>	<b>4917.91</b>	<b>93.2%</b>	<b>1494</b>	<b>35.14</b>	<b>2.4%</b>	<b>70</b>	<b>34.86</b>		<b>132.28</b>	<b>8.9%</b>	<b>206.00</b>			<b>372.79</b>
														Last Month Stored State Water		<b>1495.11</b>			This Month Stored State Water		<b>1529.97</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)	490.87		Difference (feet)	-31.50
Storage (full at 49200 acre feet)	25472		% Full	51.8%
Rainfall	5.37	14.31		
Downstream Release (4200 acre feet/year)	207.46	2736.22		
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 2019 report, Surplus Water Requested is amount purchased by each agency. Surplus Water used is based on Surplus Water Requested.

1) Oceano supplied water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 1.5 AF delivered to Canyon Crest was added to Oceano's water usage this month and 1.5 AF was subtracted from Arroyo Grande's usage this month.

On 2/7/2020 Pismo requested the remaining 127 AF of surplus water (SurW) in addition up to 90 AF of Oceano's SurW if needed for March, 2020. In March, Pismo used 78.65 AF of Oceano's remaining SurW.  
 Pismo Surplus = 200 AF (original) + 127AF (Total remaining SurW) + 78.65 (Oceano's remaining SurW Requested) = 405.65 AF.



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

**May 21, 2020**

**MEMORANDUM**

**TO:** Flood Control Zone 3 Advisory Committee

**FROM:** Kristi Smith, Accountant

**SUBJECT:** Flood Control Zone 3, Third 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 third 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 third quarter, 50% of the total annual budget has been expended.

Total Budget	Expenses through Q3	Balance Available	% of Budget Expended
5,798,347	2,893,505	2,904,842	50%

**Routine O&M:** This category has a budget of \$3.9M dollars. At the end of the third quarter, 67% of the annual budget has been expended, resulting in approximately \$1.3M available for the remainder of the year. Expenses in this category are slightly under budgeted levels.

Total Budget	Expenses through Q3	Balance Available	% of Budget Expended
3,894,400	2,619,096	1,275,304	67%

## Attachment 4

**Non-Routine O&M:** This category has a budget of approximately \$870,000. At the end of the third quarter, 25% of the annual budget has been expended, resulting in an available balance of roughly \$653,000 for the remainder of the year. The bulk of the remaining budget is for the Lopez Water Rights/Habitat Conservation Plan (HCP) and the Cloud Seeding Program. Unspent budget for most of the efforts in this category will be carried forward into next year to allow the continuation of work.

Total Budget	Expenses through Q3	Balance Available	% of Budget Expended
872,073	219,050	653,023	25%

**Capital Outlay:** This category has a budget of just over \$1M. At the end of the third quarter, expenses were 5% of the annual budget, resulting in approximately \$976,000 available for the remainder of the year. At the end of the year, unspent budget will be carried forward into next year to continue the projects through completion, however, savings from completed projects will be credited back to the agencies.

Total Budget	Expenses through Q3	Balance Available	% of Budget Expended
1,031,874	55,359	976,515	5%

### **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.

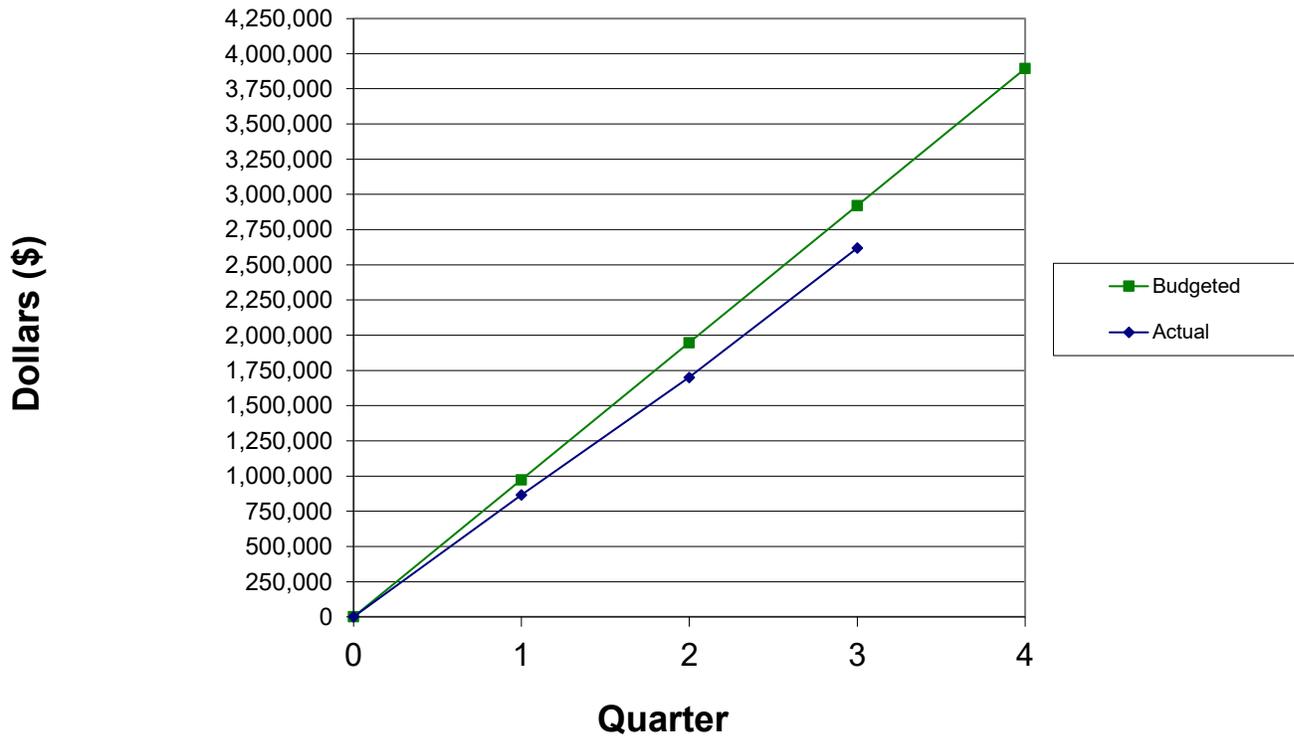
### **Financial Consideration**

All agencies are current on their payments. The 1<sup>st</sup> installment billings for FY 2020-21 will be mailed this month, and payments are due July 1, 2020.

# Attachment 4

Zone 3 Budget Status  
3rd Quarter FY19/20

## Routine Operation and Maintenance

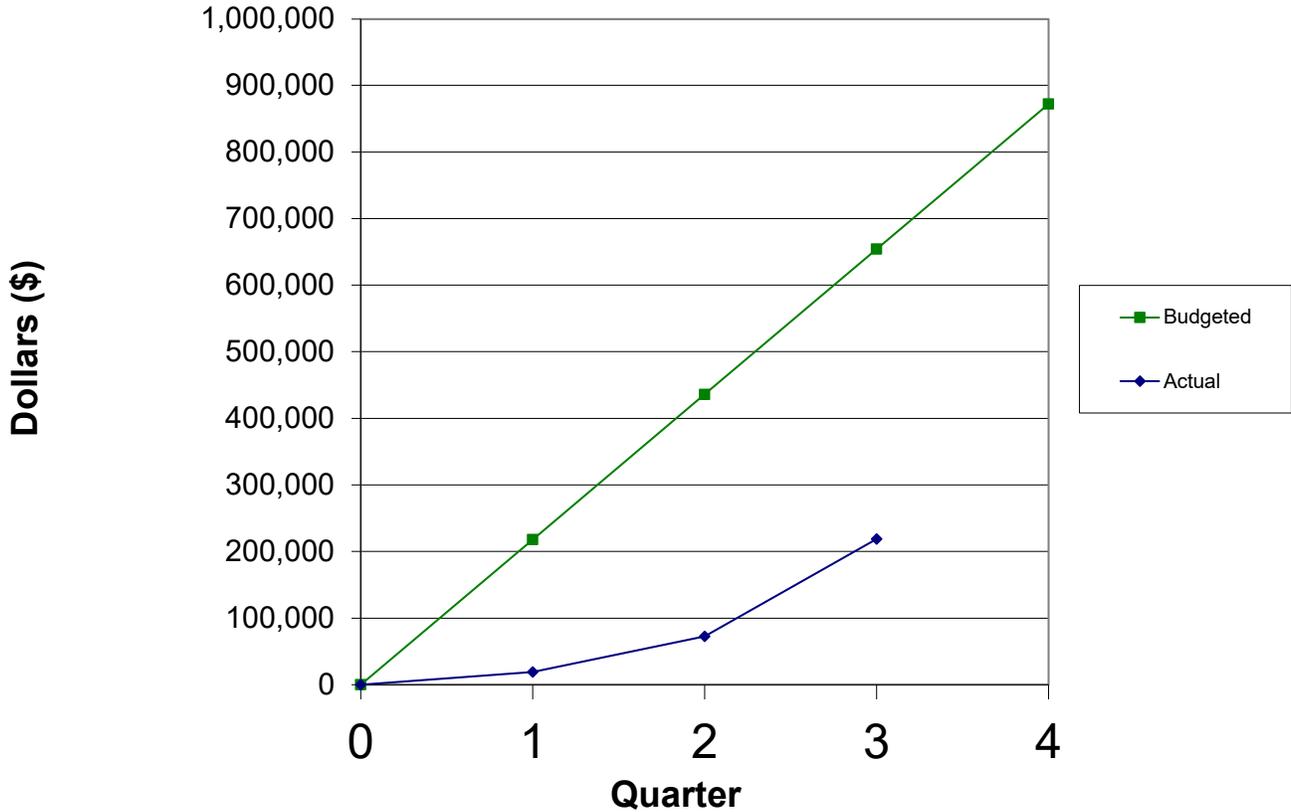


O&M Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Labor Hours	23,302	4,992	5,074	5,520	-	15,586	67%	
Chemicals - Water Treatment Plant	\$ 408,791	\$ 95,951	\$ 104,655	\$ 91,526	\$ -	\$ 292,132	71%	\$ 116,659
Water Quality Testing - Treatment Plant	56,773	14,394	9,455	9,918	-	33,767	59%	23,006
Electricity - Water Treatment Plant	237,747	88,365	70,339	56,473	-	215,177	91%	22,570
All Other Costs - Water Treatment Plant	1,779,397	360,891	395,446	426,098	-	1,182,435	66%	596,962
Terminal	186,695	31,375	20,323	53,139	-	104,838	56%	81,857
Main Dam	320,073	89,538	30,308	47,531	-	167,377	52%	152,696
Other	904,924	186,052	203,675	233,643	-	623,370	69%	281,554
<b>Expenses</b>		<b>866,567</b>	<b>834,202</b>	<b>918,327</b>	<b>-</b>	<b>2,619,096</b>	<b>67%</b>	<b>1,275,304</b>
<b>Budget</b>	<b>3,894,400</b>	<b>973,600</b>	<b>973,600</b>	<b>973,600</b>	<b>973,600</b>	<b>3,894,404</b>		
Variance (over)/under		107,033	139,398	55,273	973,600	1,275,304		
% Variance		11%	14%	6%	100%			

# Attachment 4

Zone 3 Budget Status  
3rd Quarter FY19/20

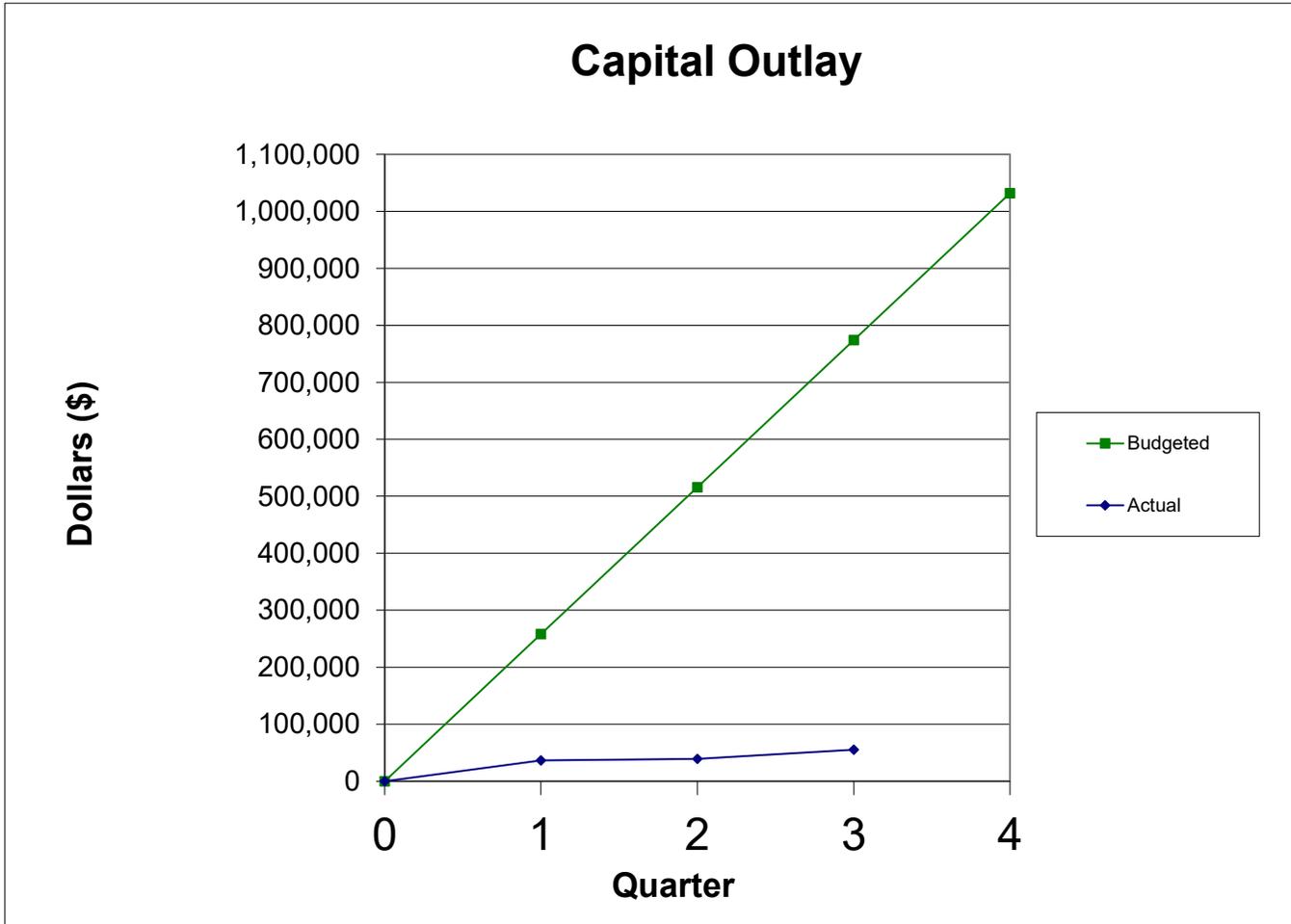
## Non-Routine Operation and Maintenance



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	\$ 1,706	\$ 8,632	\$ -	\$ 25,137	6%	\$ 406,287
Contribution to ISF for Shared New Equip	37,982	-	744	17	-	762	2%	37,220
Domestic & Fireflow Tank Assessment <b>completed</b>	42,667	-	-	-	-	-	0%	42,667
Cloud Seeding Program	300,000	1,136	24	136,707	-	137,867	46%	162,133
Equipment Audit/Replacement Plan	25,000	-	-	-	-	-	0%	25,000
Water Treatment Alternatives Study	35,000	-	-	-	-	-	0%	35,000
Other	-	3,305	50,694	1,285	-	55,284		(55,284)
<b>Expenses</b>		<b>19,241</b>	<b>53,168</b>	<b>146,641</b>	<b>-</b>	<b>219,050</b>	<b>25%</b>	<b>653,023</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>164,850</b>	<b>71,377</b>	<b>218,018</b>	<b>653,023</b>		
<b>% Variance</b>		<b>91%</b>	<b>76%</b>	<b>33%</b>	<b>100%</b>			

# Attachment 4

Zone 3 Budget Status  
3rd 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	-	12,440	-	41,145	27%	112,776
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	800	2,730	-	9,718	5%	190,282
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
Domestic Tank Repair	15,000	1,548	2,150	628	-	4,326	29%	10,674
Fireflow Tank Repair	85,000	-	-	-	-	-	0%	85,000
Various Equipment Replacement	55,000	-	-	-	-	-	0%	55,000
<b>Expenses</b>		<b>36,611</b>	<b>2,950</b>	<b>15,798</b>	<b>-</b>	<b>55,359</b>	<b>5%</b>	<b>976,515</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>255,019</b>	<b>242,171</b>	<b>257,969</b>	<b>976,515</b>		
<b>% Variance</b>		<b>86%</b>	<b>99%</b>	<b>94%</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:** May 21, 2020  
**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
- Structural Assessment of Terminal Reservoir Dam
  - The Department of Safety of Dams has given the District one year to determine the feasibility of remediating the dam or decommissioning the terminal reservoir
  - The District is currently preparing a report on the two alternatives and comparing cost benefit of each
- Fault Zone Risk Assessment for Dam Left Abutment (No Change)
  - Received one quote at \$39,000
  - Additional quotes needed
- Lopez WTP Safety Upgrades
  - Determining options for membrane building safety upgrades
  - Consultant has reviewed the facility and is working on a proposal
- Domestic and Fire Tank Repairs ~\$15,000
  - Safety items have been completed
  - Coating touch ups on the domestic tank to be completed before June 30<sup>th</sup>
  - Fire tank is being evaluated for replacement
- Cathodic Protection Survey
  - Final Cathodic Protection Report completed
  - Develop scope/estimates/quotes for repairs
- Equipment Storage Building
  - Potential new site is being investigated, previous two sites had multiple challenges for construction



## ZONE 3 Lopez Project

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San Luis Obispo County Flood Control and Water Conservation District

### Upcoming Projects:

- Terminal Dam Monument Survey
- Improved Boat Access

### Completed Projects

- Lopez Dam and Terminal Dam Hazard Classification
  - DSOD approved the inundation maps
  - Approved maps and Emergency Action Plans sent to CAL OES
  - Distributed to all required parties
- Replaced Leach Field System at WTP
- Replaced sludge bed #1 underdrain system
- Rebuild membrane feed pump
- Repairs to Terminal Dam Spillway



**SAN LUIS OBISPO COUNTY FLOOD CONTROL AND WATER CONSERVATION  
DISTRICT**

**Department of Public Works**

**John Diodati, Interim Director**

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**TO: Zone 3 Advisory Committee**

**FROM: Jill Ogren, Utilities Senior Engineer**

**VIA: Mark Chiaramonte, Utilities Division Manager**

**DATE: May 21, 2020**

**SUBJECT: Declaration of Surplus Water for Water Year 2019-20**

**RECOMMENDATION**

It is recommended that your committee recommend that the Board of Supervisors, acting as the Board of Supervisors for the San Luis Obispo County Flood Control and Water Conservation District (District), declare surplus water as described in Article 4, Sections (C) and (D) of the Lopez Water Supply Contracts, in the amount of 1803-acre feet (AF)

**DISCUSSION**

In March of this year, this item was brought to your committee for a recommendation to approve a Declaration of Surplus Water, however due to COVID-19 the meeting was cancelled. Today's item is to formally receive approval to Declare Surplus Water for water year 19-20.

***Declaration of Surplus Water***

Every year the District declares surplus water per the water supply contracts for Zone 3 (Lopez Water System) of the District. The Zone 3 water supply contracts define surplus water as, *"The portion of the Safe Yield for Project water remaining after distributions of water during the said previous Water Year"* (Article 4 (D)). The declaration of surplus water does NOT mean that there is an amount of "excess" water in the reservoir; in short, surplus water is water that was saved from the previous year's municipal entitlements and downstream releases. The water supply contracts specify that surplus water is offered to the Zone 3 contractors in proportion to their participation in the project; this year's estimated surplus is 1803 AF as shown in the table below.

Attachment 6

Contractor	Entitlement Acre-Ft (AF)	Entitlement Delivered AF	Surplus Generated (Unused Entitlement)	Entitlement %	Surplus Available	Cost per AF	Total Cost
					% (x 1803 AF)		
Arroyo Grande	2290	2122	168	50.55%	911	\$38.29	\$34,882
Pismo Beach	892	892	0	19.69%	355	\$38.29	\$13,592
Grover Beach	800	787	13	17.66%	318	\$38.29	\$12,176
Oceano CSD	303	303	0	6.69%	121	\$38.29	\$4,633
CSA 12 (Avila)	245	86	159	5.41%	98	\$38.29	\$3,752
<b>Sub Totals</b>	<b>4530</b>	<b>4191</b>	<b>339</b>	<b>100%</b>	<b>1803</b>		<b>\$69,035</b>
Downstream Releases	4200	2736	1464				
<b>Total</b>	<b>8730</b>	<b>6927</b>	<b>1803</b>				

(All amounts have been rounded to the nearest whole number)

**FINANCIAL CONSIDERATIONS**

Today's item has no financial impact to the Zone 3 Lopez Water System budget. The contracts provide that surplus water be offered at the cost of delivery only (does not include the capital costs of the system). This year's surplus water cost was calculated based on estimates of the cost to deliver water in Lopez water year 2020-21 and is offered at \$38.29 per acre foot. Per the contracts, all revenues from the sales of surplus water are proportionately credited back to the Zone 3 agencies, resulting in no financial gain or loss to the Zone 3 Lopez Water System budget.



**SAN LUIS OBISPO COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT**  
**Department of Public Works**  
**Wade Horton, Director**

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**TO:** Zone 3 Advisory Committee

**FROM:** Jill Ogren, Utilities Engineer;  
Dick Tzou, Water Resources Engineer

**DATE:** May 21, 2020

**SUBJECT:** Request for Funding for the Arroyo Grande Sub-Basin Groundwater Sustainability Plan

**Recommendation**

It is recommended that the Advisory Committee approve funding a portion of the Arroyo Grande Sub-basin Ground Water Sustainability Plan in an amount not to exceed \$50,000 utilizing Zone 3 District Designated Reserves.

**Discussion**

The County of San Luis Obispo applied for and was awarded a Proposition 1, Sustainable Groundwater Planning Grant ("Grant") for Groundwater Sustainability Plan (GSP) development efforts within the Santa Maria River Valley Basin (Basin) "fringe" areas. As of February 2019, due to Department of Water Resources (DWR) basin boundary modifications, the Basin was divided into two sub-basins: Arroyo Grande Sub-basin and Santa Maria Sub-basin, which is mostly adjudicated (see Attached map). The Grant Agreement between the County and DWR allocates ~\$500,000 with a local cost share requirement of ~\$500,000 for GSP development.

The Arroyo Grande (AG) Sub-basin is designated as a low priority basin in the context of the Sustainable Groundwater Management Act (SGMA), therefore, it is not required to develop and adopt a GSP at this time. However, the implementation of the Grant and the technical analysis resulting from the development of the GSP will likely provide information necessary for the preparation of the Arroyo Grande Creek Habitat Conservation Plan (HCP) under development by Zone 3 of the District. It will also provide a better overall understanding of the hydrogeologic processes in the Arroyo Grande Creek Watershed including an integrated hydrologic and reservoir operations model, both of which would assist with effective management of the Zone 3 Water Supply. See Attached Scope of Work Summary.

## Attachment 7

### Funding

The City of Arroyo Grande and the County are both Groundwater Sustainability Agencies (GSAs) within the AG Sub-basin and both will be working together to develop the GSP plan. The City of AG was initially considering paying 10% of the cost match (\$50,000) but has requested that Zone 3 pay the cost match because the technical analysis and results from this work will benefit all of Zone 3. This request was supported when brought before the Zone 3 Technical Advisory Committee (TAC) on January 8, 2020 and is consistent with other groundwater modeling efforts that have been supported by Zone 3 such as the Santa Maria Groundwater Basin Modeling project which benefitted not only Central Coast Blue, but also Zone 3.

At your January 16<sup>th</sup> meeting, the draft FY 20-21 budget was presented which included the following table that earmarked potential projects, including today's request, to be funded with Zone 3 District Designated Reserves.

<b>Estimated Available Balance</b>	<b>District Funded Designated Reserves Utilization Plan</b>
\$50,000	HCP Planning & Resulting Projects (established in FY 11/12)
\$50,000	AG Creek Groundwater Sustainability Plan - grant match
\$350,000	Cloud Seeding - Year 3 (2021/2022)
\$50,000	Feasibility Study to Decommission Terminal Reservoir
\$158,805	Public safety related to water quality and quantity purposes
<b>\$658,805</b>	<b>TOTAL District Funded Designated Reserves Projected at 6/30/21</b>

### **Attachments:**

Attachment A- GSP Scope of Work Summary

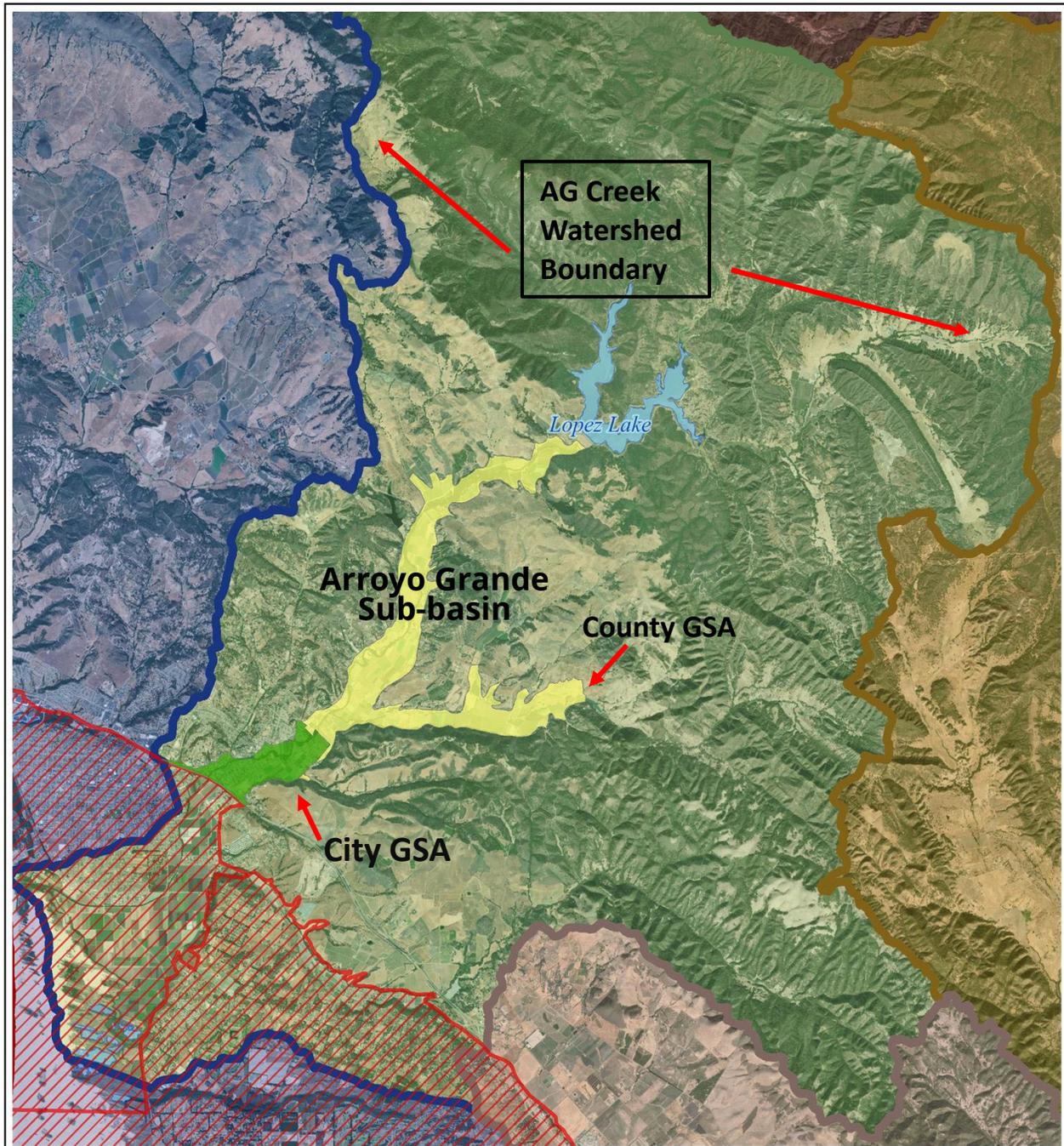
Attachment B -Map of AG Creek Sub-basin

**ATTACHMENT A**

# **Proposed GSP**

## **Scope of Work Summary**

- Integrate surface and groundwater models with Lopez reservoir operations model
- Provide technical information to support management decisions associated with the HCP/environmental needs and reservoir operations/water supply contracts
- Establish groundwater management goals for:
  - Groundwater levels/storage
  - Interconnected surface water
  - Water quality
  - Subsidence



VICINITY MAP

### Arroyo Grande Creek Watershed

COUNTY OF SAN LUIS OBISPO  
DEPARTMENT OF PUBLIC WORKS

1: 117,796



Map by: DT

Printed: 12/20/2019

