



## ZONE 3 ADVISORY COMMITTEE

---

---

San Luis Obispo County Flood Control and Water Conservation District

### AGENDA

Thursday, September 20, 2018 6:30 P.M.  
City of Grover Beach Council Chambers  
154 S. Eighth Street, Grover Beach, California 93433

- 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 OF JULY 19, 2018
- IV. OPERATIONS REPORT
  - A. Water Plant Operations, Reservoir Storage, Downstream Releases
  - B. Projected Reservoir Levels
  - C. July & August Monthly Operations Report
- V. INFORMATION ITEMS
  - A. Climate Update
  - B. Lopez Spillway Assessment Update
  - C. Low Reservoir Response Plan Revisions Update
  - D. 4<sup>th</sup> Quarter Budget Status
  - E. Cloud Seeding Update
- VI. CAPITAL PROJECTS UPDATE
  - A. Bi-Monthly Update
- VII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
  - A. Strategy for Use of District Designated Reserves
- VIII. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
- IX. FUTURE AGENDA ITEMS
  - A. Lopez Lake Safe Yield
  - B. Cloud Seeding
  - C. Revisions to the Low Reservoir Response Plan (LRRP)
- X. COMMITTEE MEMBER COMMENTS

---

Next Regular Meeting is Tentatively Scheduled for  
Thursday, November 15, 2018 at 6:30 PM at City of Arroyo Grande Council Chambers  
Agendas accessible online at [SLOCountyWater.org](http://SLOCountyWater.org)

---

**SAN LUIS OBISPO COUNTY FLOOD CONTROL  
AND WATER CONSERVATION DISTRICT  
ZONE 3 ADVISORY COMMITTEE  
DRAFT MEETING MINUTES  
THURSDAY JULY 19, 2018**

- I. Call to Order and Roll Call** -- The Zone 3 Advisory Committee Meeting was called to order at 6:30 PM at the Oceano Community Services District by Committee Chair and Agriculture Representative, Brian Talley.

County Public Works Utilities Division Hydraulic Engineer, Jill Ogren, called roll. Members in attendance were:

- John King, Avila Beach Community Services District
- Brian Talley, Chair and Agriculture Representative
- Jim Hill, City of Arroyo Grande
- Jeff Lee, City of Grover Beach
- Marcia Guthrie, City of Pismo Beach

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

- III. Officer Rotations** -- Committee Chair rotated from agriculture member to at large member; Committee Vice-Chair rotated from at large member to City of Arroyo Grande representative.

- IV. Approval of Meeting Minutes of May 27, 2018** -- Member Talley motioned approval; Member Lee second. Member Hill abstained due to his absence from the May 27 meeting. Roll call was made, quorum was met, motion passed.

**V. Operations Report**

**A. Water Plant Operations, Reservoir Storage, Downstream Releases** -- Ms. Ogren indicated: Lopez Lake elevation was 487.41 feet; storage was 23,499 acre-feet (AF), which is 47.6% capacity; rainfall to date, since July 1, 2018, was 0 inches; plant production was 5.5 million gallons per day (MGD); downstream release was 4.3 cubic feet per second; and State Water was 0.7 MGD.

No public comment was given.

**B. Projected Reservoir Levels** -- Ms. Ogren indicated the data presented came from LongRangeWeather.com. According to the projections, the reservoir levels could be down to 20,000 acre-feet by late summer 2019--low enough to re-enter into the Low Reservoir Response Plan.

No public comment was given.

- VI. May & June Monthly Operations Report** -- Ms. Ogren indicated the total water deliveries for the month of May was 483.4 AF. The total water deliveries for the month of June was 514.81 AF. According to Ms. Ogren, Flood Control Zone 3 Agencies are using "Entitlement" water, which is used first. "Surplus" water is used second. As the year progresses, if an agency has used its "Entitlement" water, it will then begin using its "Surplus" water.

## VII. Information Items

**A. Climate Update** -- Ms. Ogren indicated that according to the United States Drought Monitor, the state is experiencing more abnormally dry, moderate drought and severe drought conditions in July 2018 versus July 2017. According to National Oceanic and Atmospheric Administration, the temperature forecast indicated July was warming up with no rainfall forecasted for July.

No public comment was given.

**B. Lopez Spillway Assessment Update** -- Ms. Ogren gave an update of the Department of Water Resources (DWRs') Division Safety of Dams' (DSODs') required assessment of the Lopez Spillway. Ms. Ogren indicated this requirement is in response to the Oroville Dam failure.

According to Ms. Ogren, County Staff reviewed bids in response to a Request for Proposal and chose GEI Consultants, who is currently performing a desktop assessment. Ms. Ogren indicated GEI will perform a physical inspection of the Lopez Dam Spillway in August. The estimated completion date of the final assessment report is December 2018 and will provide any necessary recommendations.

Ms. Ogren indicated Staff has been corresponding with the DSOD who is aware of the Lopez Spillway assessment status.

## VII. Capital Projects Update

**A. Bi-Monthly Update** -- Ms. Ogren presented a brief update of the Capital Projects listed below.

**Lopez Spillway Assessment** -- Due to be completed February 2019

**Lopez Dam & Terminal Dam Hazard Classification** -- The draft inundation maps for both dams were submitted to the DSOD for approval. Completed Emergency Action Plans will be submitted once the inundation maps are approved.

**Fault Zone Assessment Left Abutment** -- Erosion at the left abutment occurred and was assessed. Results showed insignificant erosion to dam; however, erosion will be addressed.

**Equipment Storage at Lopez Water Treatment Plant** -- Project is moving along, however has become a lower priority.

**Lopez Water Treatment Plant Safety Upgrades** -- Upgrades are ongoing and in response to a 2016 safety assessment at the Plant.

**Domestic and Fire Flow Tanks Repair at Lopez Water Treatment Plant** -- Options are being explored to replace fire tanks.

**Ammonia Analyzer** -- One aging ammonia analyzer (equipment) was replaced, and another will be replaced as part of regular maintenance and repairs of aging equipment.

**Rebuild Membrane Feed Pumps** -- One pump per year is being replaced as part of regular maintenance and repairs of aging equipment.

Ms. Ogren reviewed upcoming projects listed below.

**Cathodic Protection Survey** -- May or may not result in future work to be completed

**Geotechnical Investigation of the Terminal Dam** -- An assessment of the Terminal Dam was conducted, and it was determined more geotechnical information was needed. GEI Consultants, the same consultant conducting the Lopez Spillway Assessment will utilize data to determine the stability of the Terminal Reservoir.

No public comment was given.

**VIII. Action Items (No Subsequent Board of Supervisors Action Required) --**  
None discussed

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

**A. Cloud Seeding Update** -- Ms. Ogren indicated a cloud seeding item was scheduled to be taken to the County Board of Supervisors on June 23, 2018; however, due to unanswered questions, the item was pulled and will be revisited and brought back to the Zone 3 Advisory Committee in September 2018.

**X. Future Agenda Items**

**A. Lopez Lake Safe Yield** -- "Safe Yield" is the amount of water that can be safely used each year without the Lopez Reservoir going below the minimum pool. By utilizing rainfall and hydrology history since 1969, modeling is currently being configured and will demonstrate what the Reservoir will look like if all water entitlements were distributed to participating agencies. Committee will receive update following model completion.

**B. Cloud Seeding**

**C. Strategy of District Funded Reserves**

**D. Revisions of Low Reservoir Response Plan**

**XI. Committee Member Comments** -- It was discussed that Oceano Community Services District will recommend new primary and alternate members to the Advisory Committee. County Staff will take the recommendations to the Board of Supervisors for appointment.

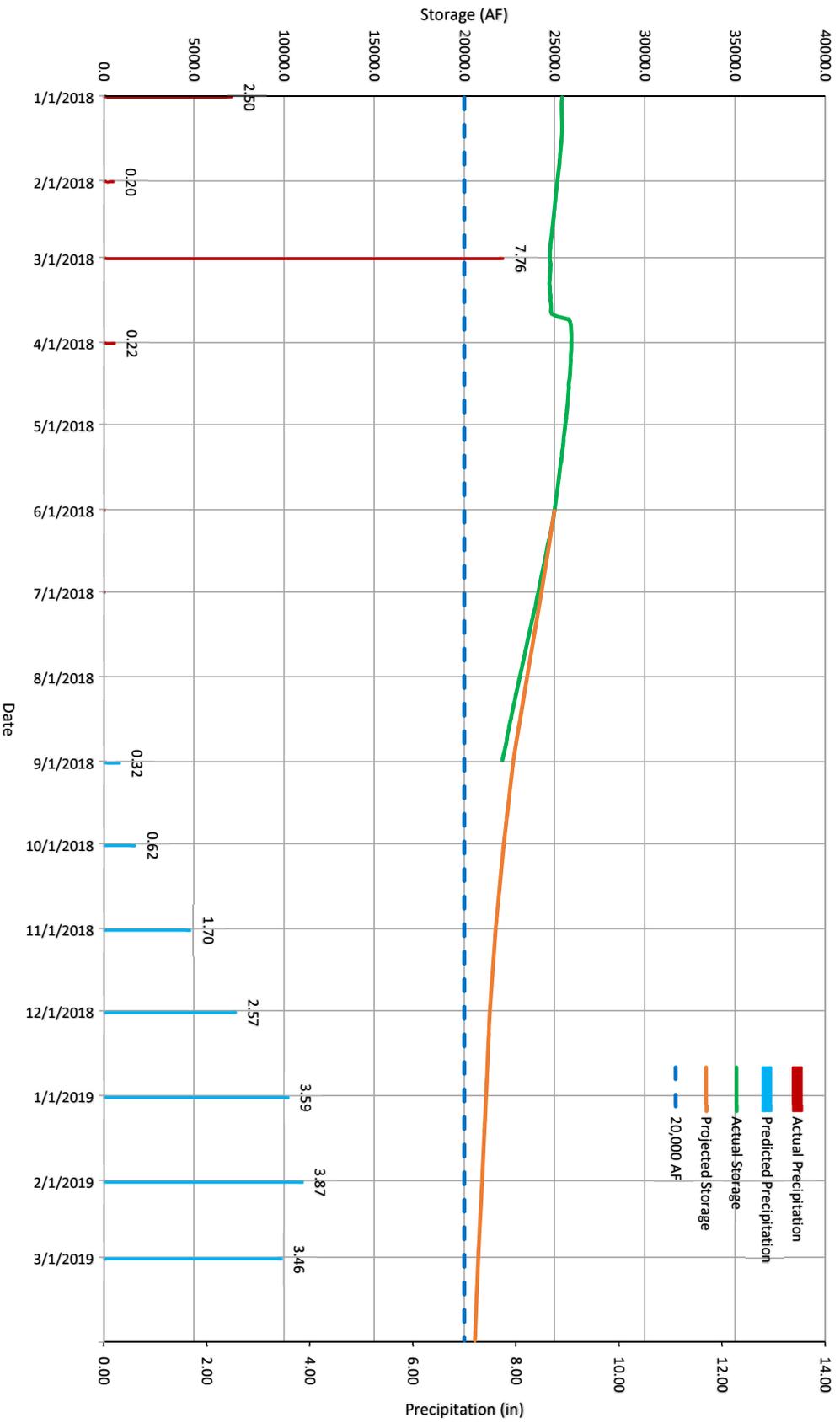
A brief discussion occurred regarding whether or not the Terminal Reservoir is needed. Ms. Ogren indicated she will bring the topic up with the Zone 3 Technical Advisory Committee.

**Meeting Adjourned at 7:09 PM**

Respectfully Submitted,

Andrea M Montes  
County of San Luis Obispo Public Works Department

# LOPEZ RESERVOIR STORAGE PROJECTION



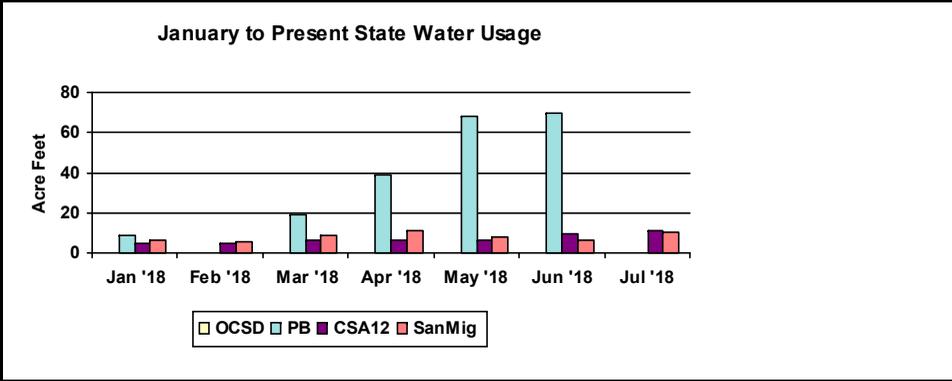
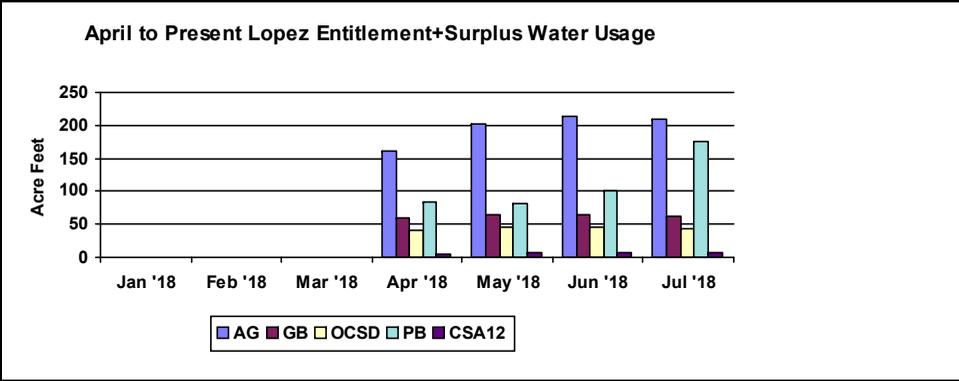
- Note:
- Storage projection is based on predicted rainfall from longrangeweather.com, historic inflow based on predicted rainfall, 18-19 downstream release requests, and municipal usage.
  - Municipal Usage is based on 2010-2017 average monthly deliveries.

# San Luis Obispo County Flood Control and Water District

## Zone 3 - Lopez Project - Monthly Operations Report

### July, 2018

Contractor	Lopez Water Deliveries												State Water Deliveries						Total Water Deliveries This Month					
	Entl.	Surplus	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	564.00	2854.00	209.37	9.1%	0.00	0.0%	785.31	34.3%	0.00	0.0%	785.31	27.5%									209.37		
Oceano CSD	303	75.00	378.00	43.48	14.3%	0.00	0.0%	174.74	57.7%	0.00	0.0%	174.74	46.2%	0	0.00	0.0%							43.48	
Grover Beach	800	197.00	997.00	62.40	7.8%	0.00	0.0%	251.25	31.4%	0.00	0.0%	251.25	25.2%										62.4	
Pismo Beach	892	220.00	1112.00	176.12	19.7%	0.00	0.0%	441.92	49.5%	0.00	0.0%	441.92	39.7%	205	0.00	0.0%								176.12
CSA 12	245	60.00	305.00	8.28	3.4%	0.00	0.0%	27.07	11.0%	0.00	0.0%	27.07	8.9%	83.96	11.02	13.1%								19.3
San Miguelito														120	10.58	8.8%								10.58
<b>Total</b>	<b>4530</b>	<b>1116.00</b>	<b>5646.00</b>	<b>499.65</b>	<b>11.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>1680.29</b>	<b>37.1%</b>	<b>0.00</b>	<b>0.0%</b>	<b>1680.29</b>	<b>29.8%</b>	<b>408.96</b>	<b>21.60</b>	<b>5.3%</b>	<b>67</b>	<b>45.40</b>	<b>310.41</b>	<b>75.9%</b>	<b>375.00</b>		<b>521.25</b>	
												Last Month Stored State Water			<b>1148.94</b>				This Month Stored State Water			<b>1194.34</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.

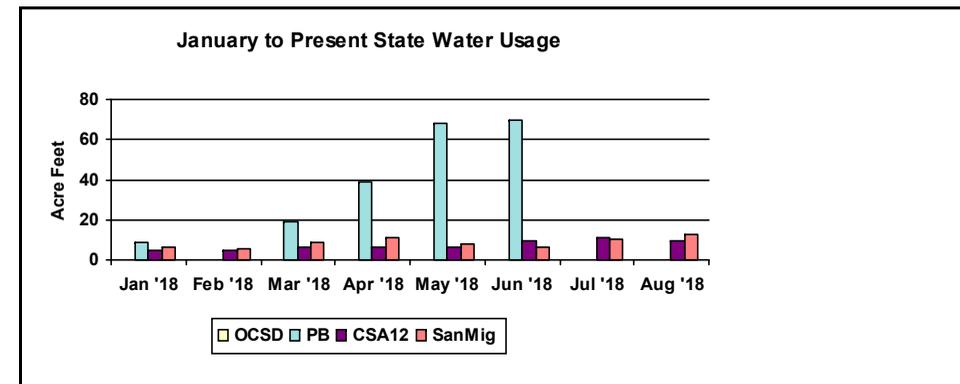
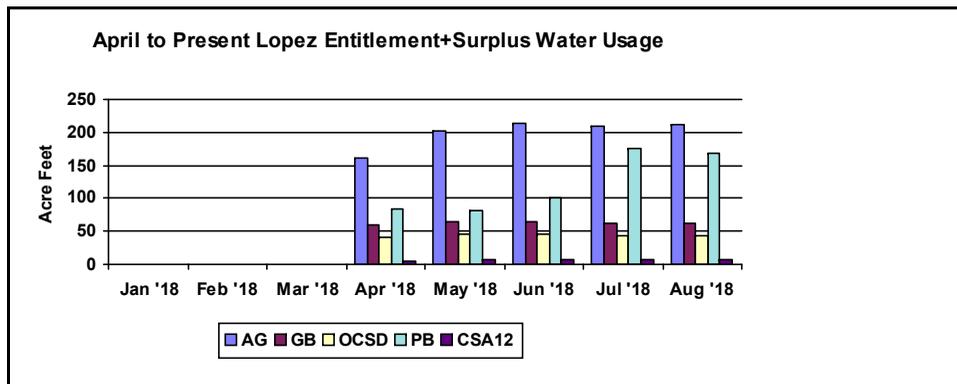
Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	486.68		Difference (feet)	-35.69
Storage (full at 49200 acre feet)	23098		% Full	46.9%
Rainfall	0	0.00		
Downstream Release (4200 acre feet/year)	413.69	1386.53		
Spillage (acre feet)	0	0.00		

**Comments:** Surplus water shown is as designated per BOS May 15, 2018 Declaration of Surplus Water.

1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.69 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 2.69 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 August, 2018

Contractor	Lopez Water Deliveries												State Water Deliveries						Total Water Deliveries This Month			
	Entl.	Surplus	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	564.00	2854.00	211.02	9.2%	0.00	0.0%	996.33	43.5%	0.00	0.0%	996.33	34.9%							211.02		
Oceano CSD	303	75.00	378.00	43.82	14.5%	0.00	0.0%	218.56	72.1%	0.00	0.0%	218.56	57.8%	0	0.00	0.0%			0.00	0.0%	43.82	
Grover Beach	800	197.00	997.00	62.39	7.8%	0.00	0.0%	313.64	39.2%	0.00	0.0%	313.64	31.5%								62.39	
Pismo Beach	892	220.00	1112.00	167.32	18.8%	0.00	0.0%	609.24	68.3%	0.00	0.0%	609.24	54.8%	205	0.00	0.0%			205.00	100.0%	167.32	
CSA 12	245	60.00	305.00	7.37	3.0%	0.00	0.0%	34.44	14.1%	0.00	0.0%	34.44	11.3%	83.96	9.49	11.3%			58.38	69.5%	16.86	
San Miguelito														120	12.66	10.6%			69.18	57.7%	12.66	
<b>Total</b>	<b>4530</b>	<b>1116.00</b>	<b>5646.00</b>	<b>491.92</b>	<b>10.9%</b>	<b>0.00</b>	<b>0.0%</b>	<b>2172.21</b>	<b>48.0%</b>	<b>0.00</b>	<b>0.0%</b>	<b>2172.21</b>	<b>38.5%</b>	<b>408.96</b>	<b>22.15</b>	<b>5.4%</b>			<b>332.56</b>	<b>81.3%</b>	<b>375.00</b>	<b>514.07</b>
												Last Month Stored State Water				This Month Stored State Water		<b>1172.19</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.

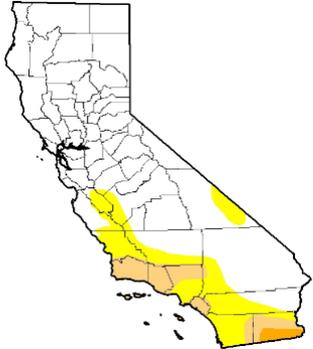
Lopez Dam Operations	This Month	Year to Date		
Lake Elevation (full at 522.37 feet)	484.84		Difference (feet)	-37.53
Storage (full at 49200 acre feet)	22114		% Full	44.9%
Rainfall	0	0.00		
Downstream Release (4200 acre feet/year)	391.28	1777.81		
Spillage (acre feet)	0	0.00		

**Comments:** Surplus water shown is as designated per BOS May 15, 2018 Declaration of Surplus Water.

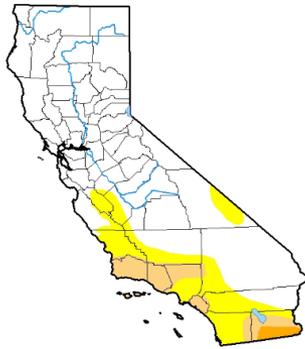
1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 2.52 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 2.52 AF was subtracted from Arroyo Grande's usage this month.

# U.S. DROUGHT MONITOR

March 2017



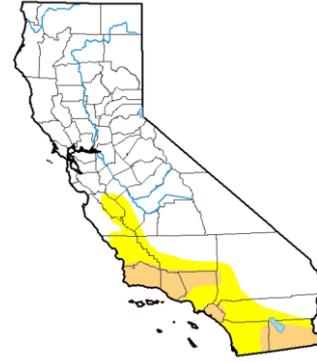
May 2017



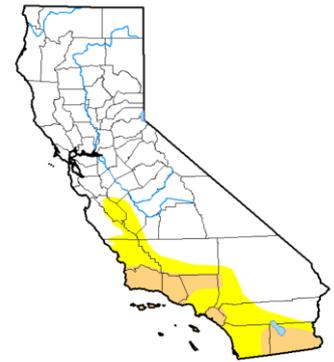
July 2017



September 2017



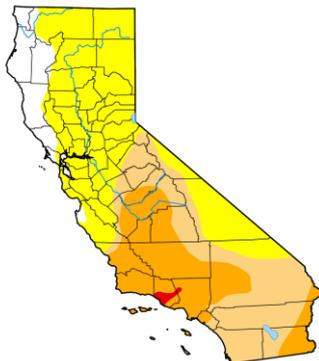
November 2017



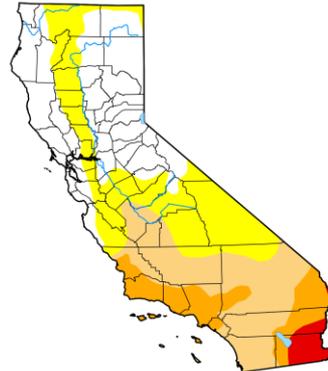
January 2018



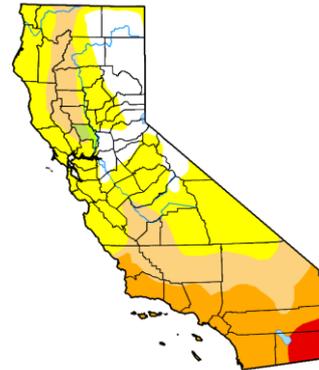
March 2018



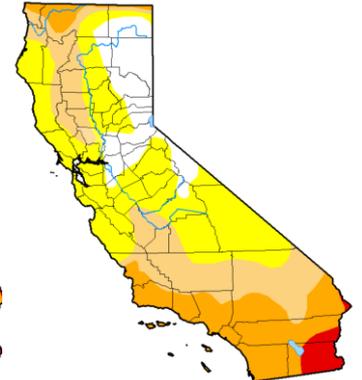
May 2018



July 2018



September 2018



## Intensity:



Permission to reproduce the map

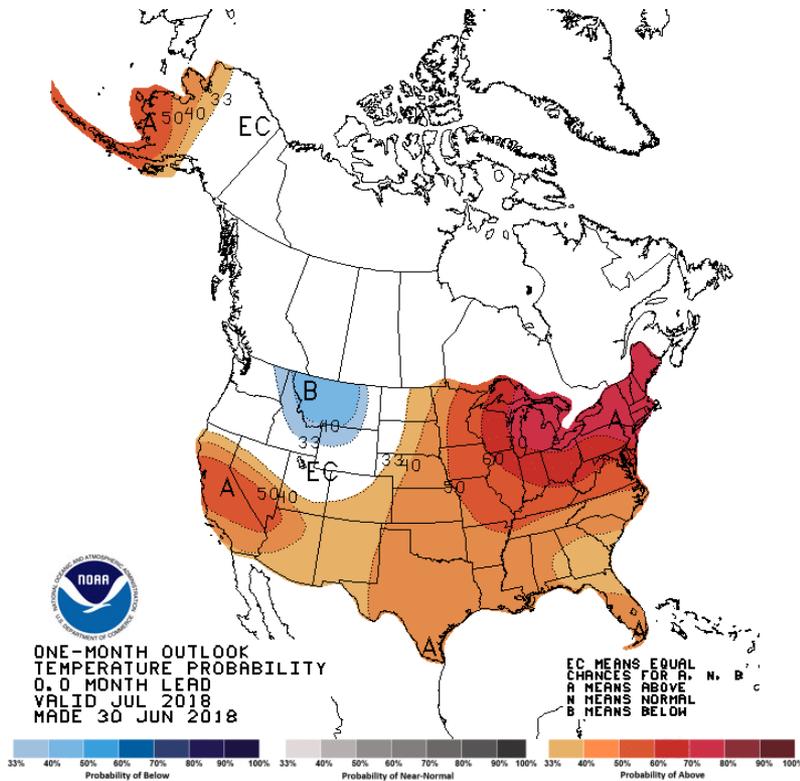
If you reproduce the U.S. Drought Monitor map, please use this wording:

The U.S. Drought Monitor is jointly produced by the National Drought Mitigation Center at the University of Nebraska-Lincoln, the United States Department of Agriculture, and the National Oceanic and Atmospheric Administration. Map courtesy of NDMC-UNL.

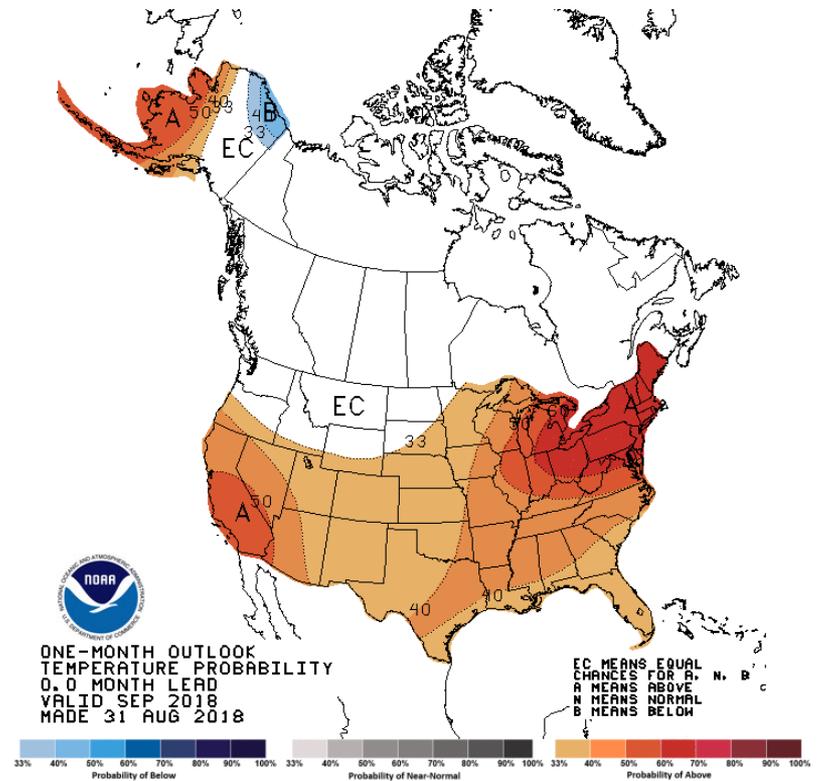
# NOAA TEMPERATURE FORECAST

## July

## September



## July Meeting

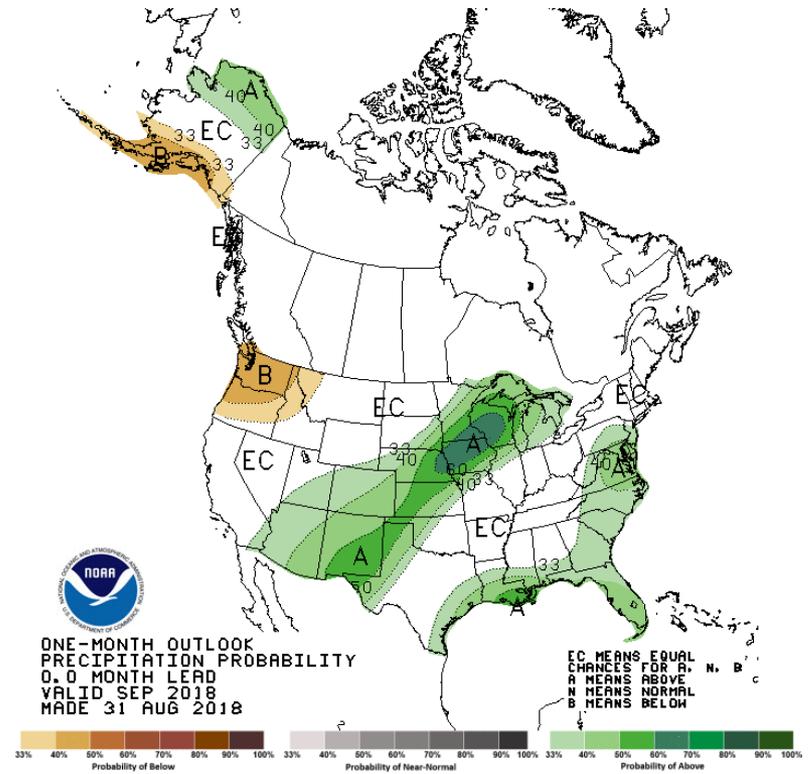
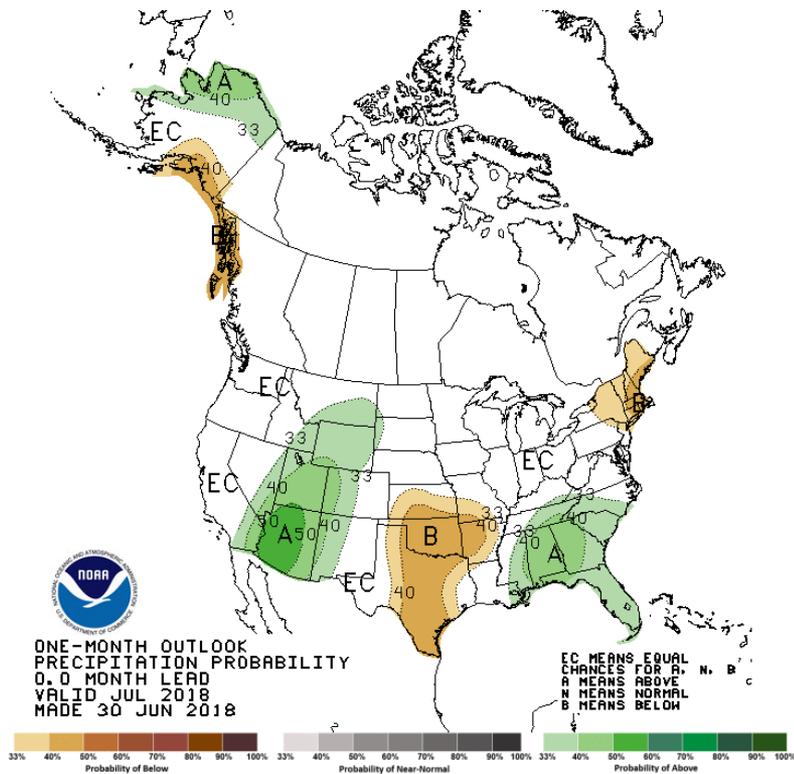


## September Meeting

# NOAA PRECIPITATION FORECAST

## July

## September



## July Meeting

## September Meeting



**September 20, 2018**

**MEMORANDUM**

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

**FROM:** Kristi Smith, Accountant

**SUBJECT:** Flood Control Zone 3, Fourth Quarter Budget Status, Fiscal Year 2017-18

**Recommendation**

The item to be received and filed.

**Summary**

Attached please find the fourth quarter budget versus actual results for the fiscal year 2017-18. The \$5.5 million dollar budget is broken into three categories: Routine O&M expenses, Non-Routine O&M expenses, and Capital Outlay expenses. At the end of the fiscal year, expenses totaled 84% of the annual budget. Of the remaining \$895,000, over \$700,000 will be carried into FY 2018-19 to continue Non-Routine efforts and complete Capital projects.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
5,586,112	4,690,769	895,343	84%

**Routine O&M** annual budget is approximately \$3.8 million dollars. At the end of the fiscal year, expenses were 106% of the annual budget, which results in a deficit of \$241,000.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
3,790,051	4,031,053	(241,002)	106%

During the year, the Water Treatment Plant staff were relieved of wastewater duties, enabling them to spend more time on plant maintenance. This increase in labor, along with other unbudgeted efforts, such as the repair of the standby generator, contributed to the deficit mentioned above.

**Non Routine O&M** annual budget is approximately \$598,000 dollars. At the end of the fiscal year, expenses were 40% of the annual budget. The remaining budget is comprised of approximately \$454,000 that will be carried into FY 2018-19 for continued work, and a deficit of roughly \$97,000.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
598,656	241,929	356,727	40%
Estimated Carryforward:		(454,189)	
Estimated Deficit:		(97,462)	

The budgets for the Lopez Water Rights/Habitat Conservation Plan (HCP) and Piggings comprise the majority of the carryforward amount. There were several unbudgeted efforts, such as the Network Upgrade, the Spillway Assessment, and the Arc Flash Hazard Assessment that contributed to the deficit in this category.

**Capital Outlay** annual budget is approximately \$1.2 million dollars. At the end of the fiscal year, expenses were 35% of the annual budget, which results in approximately \$780,000 of savings, some of which will carry into FY 2018-19 to continue the projects through completion.

Total Budget	Expenses through Q4	Balance Available	% of Budget Expended
1,197,405	417,786	779,619	35%
Estimated Carryforward:		(263,484)	
Remaining budget:		516,135	

The majority of the balance available in this category is due to the pH Suppression & Scaling Control project, which has been completed.

**Other Agency Involvement/Impact**

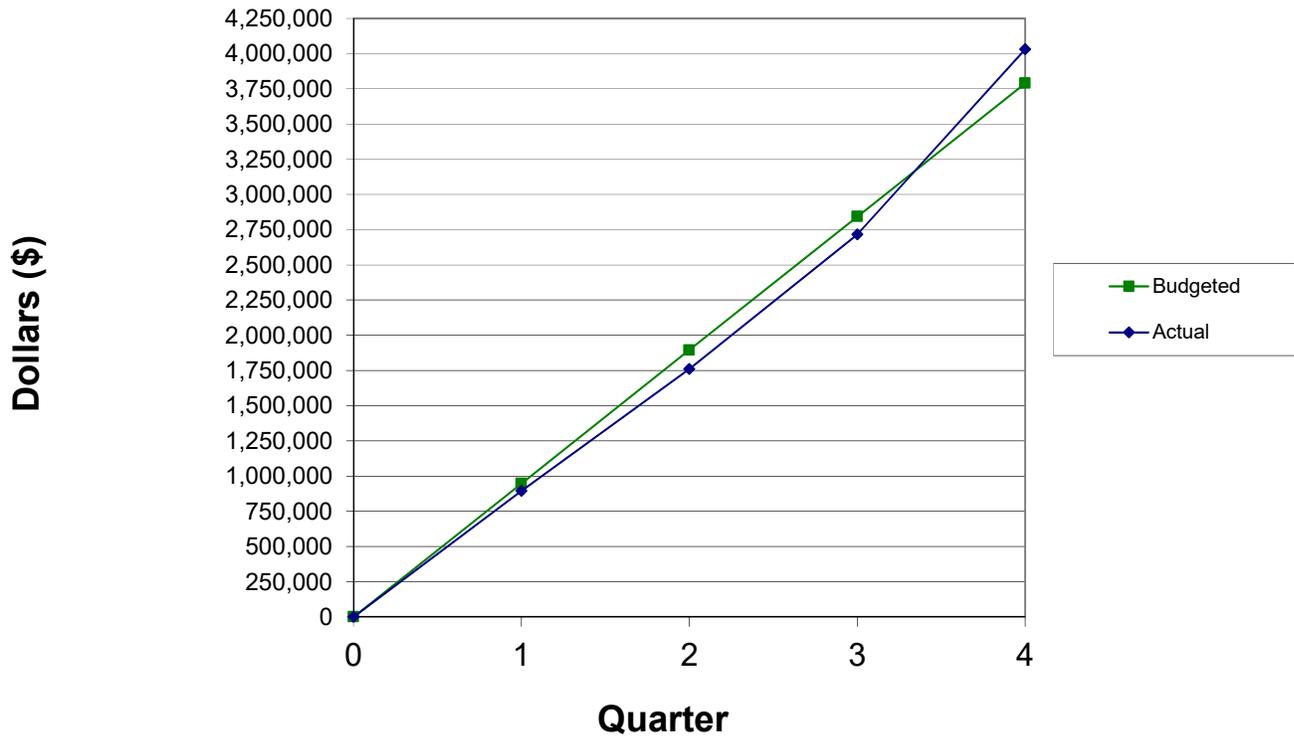
The agencies involved are: City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, Oceano Community Services District, and County Service Area 12. Subcontractors of CSA 12 include Port San Luis Harbor District and Avila Beach Community Services District.

**Financial Consideration**

All agencies are current on their payments. The estimated billings for FY 2017-18 total \$322,628, which will be allocated to the agencies and mailed along with the 2<sup>nd</sup> installment of the FY 2018-19 billings that are due January 1, 2019.

Zone 3 Budget Status  
4th Quarter FY17/18

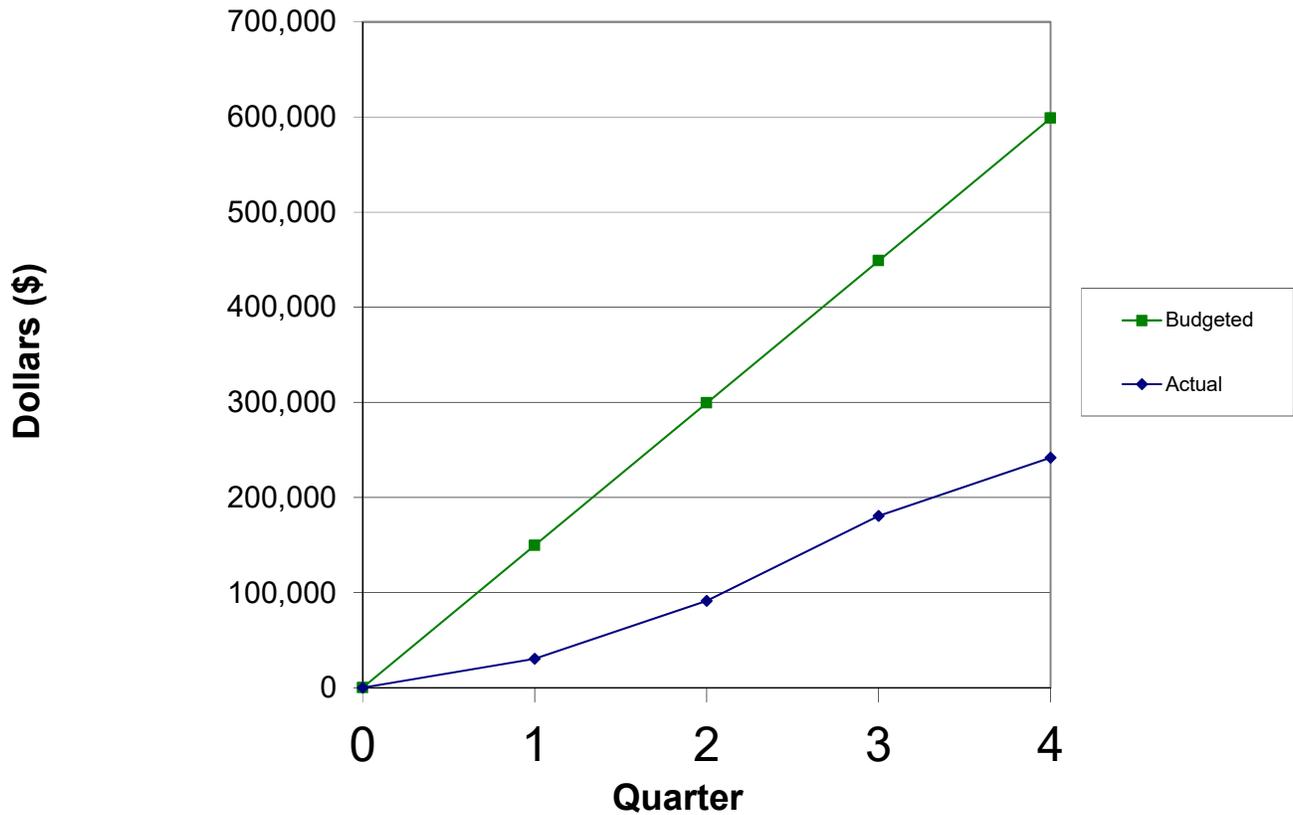
## Routine Operation and Maintenance



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	23,704	6,068	5,304	5,995	5,903	23,270	98%	
Chemicals - Water Treatment Plant	310,770	115,338	110,530	120,170	146,555	492,592	159%	(181,822)
Water Quality Testing - Treatment Plant	59,930	16,204	12,774	20,780	14,144	63,902	107%	(3,972)
Utilities - Water Treatment Plant	187,432	69,156	70,632	55,960	67,751	263,499	141%	(76,067)
All Other Costs - Water Treatment Plant	1,930,735	475,236	447,487	508,219	632,334	2,063,277	107%	(132,542)
Terminal	129,597	31,433	15,162	20,266	62,921	129,783	100%	(186)
Main Dam	251,808	60,829	39,329	32,716	103,151	236,025	94%	15,783
Other	919,779	127,392	169,446	197,232	287,906	781,975	85%	137,804
Expenses		895,589	865,360	955,342	1,314,762	4,031,053	106%	(241,002)
Budget	3,790,051	947,512	947,512	947,512	947,512	3,790,051		
Variance (over)/under		51,924	82,153	(7,829)	(367,251)	(241,003)		
% Variance		5%	9%	-1%	-39%			

Zone 3 Budget Status  
4th Quarter FY17/18

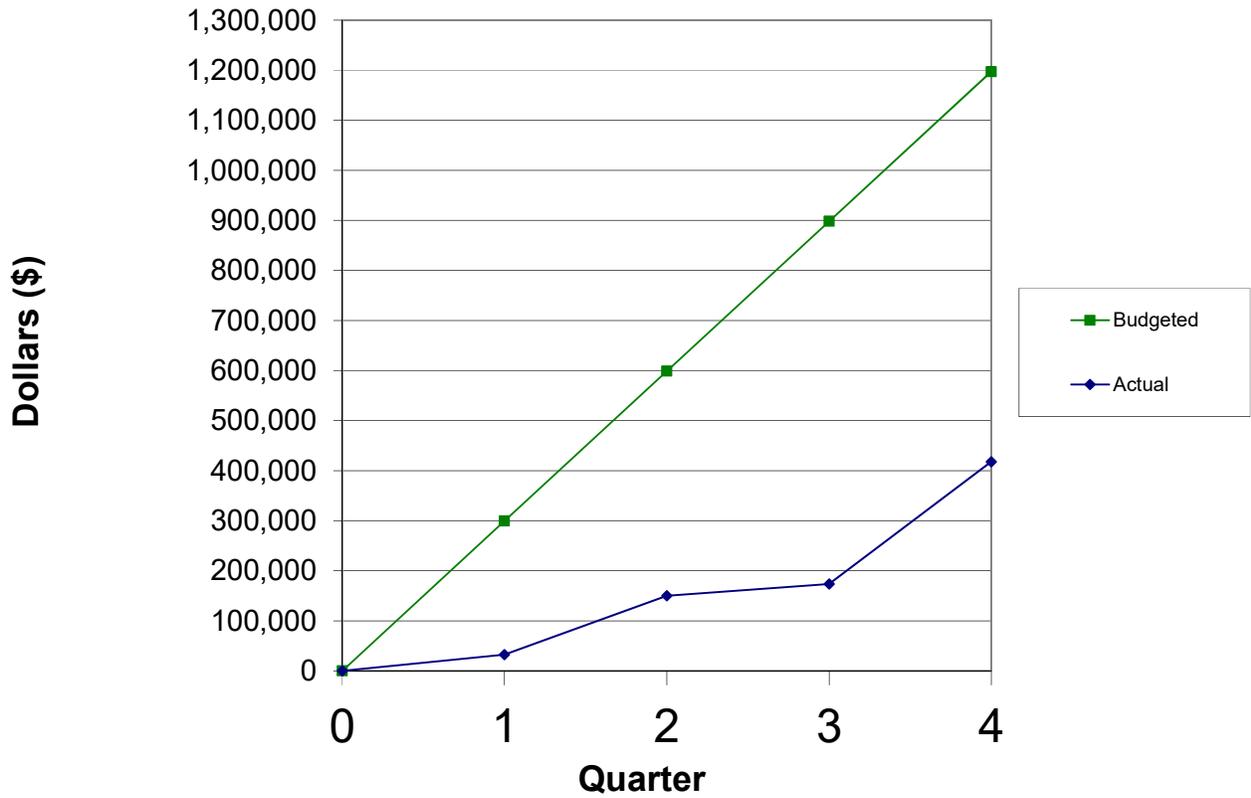
## Non-Routine Operation and Maintenance



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 IHCP	292,743	1,742	9,910	5,058	13,840	30,550	10%	262,193
Pigging-Unit B	117,195	-	-	-	-	-	0%	117,195
Lopez Dam Environmental Monitoring	7,191	1,860	1,706	4,953	3,160	11,679	162%	(4,488)
Contribution to ISF for Shared New Equip	39,348	-	-	-	13,231	13,231	34%	26,117
Equipment Audit/Replacement Plan	15,000	-	-	-	-	-	0%	15,000
Rodriguez Bridge Environmntl Monitoring	9,920	2,857	2,187	3,471	1,245	9,760	98%	160
Santa Maria Groundwater Basin Modeling	117,259	-	-	-	16,230	16,230	14%	101,029
Other	-	24,061	47,077	75,645	13,697	160,480	0%	(160,480)
<b>Expenses</b>		<b>30,520</b>	<b>60,880</b>	<b>89,127</b>	<b>61,403</b>	<b>241,929</b>	<b>40%</b>	<b>356,727</b>
<b>Budget</b>	<b>598,656</b>	<b>149,664</b>	<b>149,664</b>	<b>149,664</b>	<b>149,664</b>	<b>598,656</b>		
<b>Variance (over)/under</b>		<b>119,144</b>	<b>88,784</b>	<b>60,537</b>	<b>88,261</b>	<b>356,727</b>		
<b>% Variance</b>		<b>80%</b>	<b>59%</b>	<b>40%</b>	<b>59%</b>			

Zone 3 Budget Status  
4th Quarter FY17/18

### Capital Outlay



Capital Outlay Projects	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
WTP 6th Membrane Filtration Module Addit	19,437	4,923	5,487	319	745	11,474	59%	7,963
WTP Resurface Parking Lot	24,728	1,523	19,046	103	-	20,672	84%	4,056
Ammonia Analyzer Equip Repl	30,000	-	-	22,053	1,339	23,391	78%	6,609
pH Suppression & Scaling Control	503,220	(12,915)	-	-	-	(12,915)	-3%	516,135
Cathodic Protection Maint	109,172	-	-	-	-	-	0%	109,172
Dam Intake Fac & Op Assessment	20,899	-	-	-	-	-	0%	20,899
Structural Assessment Term Resv Dam	50,000	1,390	3,013	-	54,342	58,744	117%	(8,744)
Equip Storage Building	25,000	151	-	-	-	151	1%	24,849
Pressure Transducers	35,000	-	-	979	32,771	33,750	96%	1,250
Geologic Assmt Fault Zone Left Abutment	50,000	893	3,872	56	32,488	37,309	75%	12,691
Domestic & Fireflow Tank Assessment	50,000	397	1,489	-	-	1,886	4%	48,114
Safety Upgrades to WTP	15,000	-	-	-	-	-	0%	15,000
Replace Membrane Feed Pumps	35,000	-	-	-	25,936	25,936	74%	9,064
PLC Replacement & Programming	69,763	3,959	85,136	-	-	89,095	128%	(19,332)
Replace Membrane Strainers	10,186	31,950	-	-	2,122	34,072	335%	(23,886)
Vac Trailer	95,000	-	-	-	94,220	94,220	99%	780
Various Equipment Replacement	55,000	-	-	-	-	-	0%	55,000
<b>Expenses</b>		<b>32,271</b>	<b>118,043</b>	<b>23,510</b>	<b>243,963</b>	<b>417,786</b>	<b>35%</b>	<b>779,619</b>
<b>Budget</b>	<b>1,197,405</b>	<b>299,351</b>	<b>299,351</b>	<b>299,351</b>	<b>299,351</b>	<b>1,197,405</b>		
<b>Variance (over)/under</b>		<b>267,080</b>	<b>181,309</b>	<b>275,842</b>	<b>55,388</b>	<b>779,619</b>		
<b>% Variance</b>		<b>89%</b>	<b>61%</b>	<b>92%</b>	<b>19%</b>			



## ZONE 3 ADVISORY COMMITTEE

---

---

San Luis Obispo County Flood Control and Water Conservation District

**TO:** Zone 3 Technical Advisory Committee

**FROM:** David Spiegel, PE

**DATE:** September 20, 2018

**SUBJECT:** Zone 3 Projects Update

### **Project Updates:**

- Equipment Audit & Replacement - Ongoing
  - Work proposed to continue in 2018/19
  
- Spillway Assessment
  - Awarded contract with GEI Consultants
  - Began Assessment Late August and will continue through January 2019 in accordance with approved DSOD work plan
  
- Lopez Dam and Terminal Dam Hazard Classification
  - Inundation Maps have been submitted to DSOD for review
  - Emergency Action Plans are in preparation
  
- Structural Assessment of Terminal Reservoir
  - Preliminary findings suggest additional geotechnical investigation is needed
  
- Fault Zone Assessment – Dam Left Abutment
  - Preliminary findings suggest remediation work is necessary
  - Determining scope of work
  
- Equipment Storage
  - Establishing building location options
  
- Lopez WTP Safety Upgrades
  - Upgrading safety railings and catwalks in DAF building
  
- Domestic and Fire Tank
  - Reviewing quotes for repairs and maintenance items



## ZONE 3 ADVISORY COMMITTEE

---

---

San Luis Obispo County Flood Control and Water Conservation District

- Rebuild Membrane Feed Pumps (1 per year)
  - Second pump is being scheduled for removal and rebuilding

### **Upcoming Projects (Requested FY 2018/19):**

- Cathodic Protection Survey
- Sludge Bed Cleanout Repair – 4 total
- Lopez Water Treatment Plant Leach Field Repair/Replacement
- Ammonia Analyzer (2<sup>nd</sup>)
- Water Treatment Alternatives Study
- Improved Boat Access
- LWTP Spill Prevention Valve Replacement (qty = 2)

### **Completed Projects**

- Turnout SCADA Project
- Ammonia Analyzer
- Sludge Repair on 4A
- Pressure Transducers
- Turnout Flow Meters
- Static Mixer



**September 20, 2018**

**MEMORANDUM**

**TO:** Flood Control Zone 3 Advisory Committee  
**FROM:** Kristi Smith, Accountant  
**SUBJECT:** Strategy for Use of District Funded Designated Reserves

**Discussion**

As mentioned in the fourth quarter budget status report, there is \$516,135 of budget remaining after the completion of the pH Suppression & Scaling Control project. The Zone 3 Advisory Committee indicated at its May meeting that it would like to use the remaining budget to replenish reserves and offset the FY 2017-18 final bill. Below are two options for the distribution of the remaining budget.

**Option #1:**

Replace Contractor Reserves, District Funded Designated Reserves and partially offset the FY 2017-18 final bill as shown in the table below. This will result in the agencies receiving a final bill of \$135,000.

Proposed Replacement of Contractor Reserves:	\$ 48,000
Proposed Replacement of Dist Fnd Desig Reserves:	\$ 280,500
Proposed to offset 2017-18 Final Billing:	\$ 187,628
Total:	\$ 516,135

**Net Results**

	Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	
	50.55%	17.66%	17.66%	7.44%	6.69%	
Estimated 2017-18 Final Bill:	\$ 68,242	\$ 23,841	\$ 23,841	\$ 10,044	\$ 9,032	\$135,000

**Option #2:**

Replace Contractor Reserves, District Funded Designated Reserves and fully offset the FY 2017-18 final bill as shown in the table below. This will result in the agencies not receiving a bill.

Proposed Replacement of Contractor Reserves:	\$ 48,000
Proposed Replacement of Dist Fnd Desig Reserves:	\$ 145,500
Proposed to offset 2017-18 Final Billing:	\$ 322,628
Total:	\$ 516,135

**Net Results**

	Arroyo Grande	Grover Beach	Pismo Beach	CSA 12	Oceano CSD	
	50.55%	17.66%	17.66%	7.44%	6.69%	
Estimated 2017-18 Final Bill:	\$0	\$0	\$0	\$0	\$0	\$0

At their September 12, 2018, meeting the Technical Advisory Committee (TAC) recommended option #2.

The proposed reserve replacements do not need further action by the Board of Supervisors since they were included in the FY 2018-19 Proposed Budget that was approved by the Board in June 2018.

**District Funded Designated Reserves**

If Option #1 is chosen, the total available balance in the District Funded Designated Reserves will be \$791,447 and will be earmarked as follows:

Recommended Uses	Actual Amounts	Available Balance	District Funded Designated Reserves Utilization Plan
\$50,000	-	\$50,000	HCP Efforts
\$10,000	\$10,000	-	Cloud Seeding Feasibility Study
\$250,000	\$117,259	\$132,741	Santa Maria Groundwater Basin Model
\$189,376	\$99,875	\$89,501	Arroyo Grande Creek Watershed Stormwater Resource Plan (Prop 1 Grant match)
\$261,515			
	\$25,000		Spillway Assessment workplan for DSOD
	(\$280,500)		Proposed Reserve Replacement with unused pH Supp budget
		\$519,205	Public safety related to water quality and quantity purposes
\$760,891		\$791,447	TOTAL District Funded Designated Reserves

If Option #2 is chosen, the total available balance in the District Funded Designated Reserves will be \$656,447 and will be earmarked as follows:

Recommended Uses	Actual Amounts	Available Balance	District Funded Designated Reserves Utilization Plan
\$50,000	-	\$50,000	HCP Efforts
\$10,000	\$10,000	-	Cloud Seeding Feasibility Study
\$250,000	\$117,259	\$132,741	Santa Maria Groundwater Basin Model
\$189,376	\$99,875	\$89,501	Arroyo Grande Creek Watershed Stormwater Resource Plan (Prop 1 Grant match)
\$261,515			
	\$25,000		Spillway Assessment workplan for DSOD
	(\$145,500)		Proposed Reserve Replacement with unused pH Supp budget
		\$384,205	Public safety related to water quality and quantity purposes
<b>\$760,891</b>		<b>\$656,447</b>	<b>TOTAL District Funded Designated Reserves</b>