



## ZONE 3 ADVISORY COMMITTEE

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San Luis Obispo County Flood Control and Water Conservation District

### AGENDA

Thursday, March 16, 2017 6:30 p.m.  
Oceano Community Services District

- 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 JANUARY 19, 2017
- IV. OPERATIONS REPORT
  - A. Water plant operations, reservoir storage, downstream releases – verbal update
  - B. Projected Reservoir Levels
- V. INFORMATION ITEMS
  - A. Present 2<sup>nd</sup> Quarter FY 16/17 Budget Status
  - B. Climate Update
  - C. Low Reservoir Response Plan (LRRP)
- VI. CAPITAL PROJECTS UPDATE
  - A. Bi-Monthly Update
- VII. ACTION ITEMS (No Subsequent Board of Supervisors Action Required)
- VIII. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
  - A. Declaration of Surplus Water
  - B. Present Proposed FY 17/18 Budget and Endorse
- IX. FUTURE AGENDA ITEMS
  - A. Funding Groundwater Modeling
  - B. Cloud Seeding
  - C. Contract Renegotiation Discussions
- X. COMMITTEE MEMBER COMMENTS

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Next Regular Meeting is Tentatively Scheduled for  
Thursday, May 18, 2017 at 6:30 p.m. at City of Pismo Beach  
Agendas accessible online at [SLOCountyWater.org](http://SLOCountyWater.org)

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

**ZONE 3 ADVISORY COMMITTEE**

**DRAFT MEETING MINUTES**

**THURSDAY January 19, 2017**

**I. Call to Order/Roll Call** -- The Meeting was called to order at 6:35 p.m. at the City of Grover Beach by Zone 3 Advisory Committee Chairman and Avila Beach Community Services District (Avila Beach CSD) General Manager, Brad Hagemann. County Public Works Department Utilities Program Manager and Secretary to the Zone 3 Advisory Committee, Andrea Montes, called roll. Members in attendance were:

- Tim Brown, City of Arroyo Grande
- Brad Hagemann, Chairman/Avila Beach CSD
- Jeff Lee, City of Grover Beach
- Jim Garing, Member at Large
- Andrew Brunet, Oceano Community Services District
- Vard Ikeda, Vice-Chairman/Agriculture Delegate
- Ed Waage, City of Pismo Beach

Quorum was established and the meeting continued.

**II. Public Comment** -- County of San Luis Obispo Public Works Deputy Director, Mark Hutchinson, presented a brief State Water as the Lopez distribution pipeline is used to deliver State Water to participating Zone 3 agencies. Mr. Hutchinson indicated the Department of Water Resources (DWR) is increasing the State Water allocation from 45 to 60 percent, leaving 15,000 acre-feet (AF) of State Water available for San Luis Obispo County State Water Project subcontractors. This amount is more than adequate for the 2017 calendar year (subject to DWR adjustments) for Zone 3 State Water subcontractors whose allocations total 4,830 AF collectively. Per Mr. Hutchinson, DWR indicated the State Water allocation could further increase, depending on weather patterns.

Mr. Hutchinson indicated San Luis Obispo Flood Control and Water Conservation District (District) staff is currently working with Santa Barbara County Central Coast Water Authority (CCWA) staff to draft State Water Emergency Program agreements which will allow San Luis Obispo County agencies to exchange water for storage capacity in Santa Barbara County water pipelines to deliver additional State Water to San Luis Obispo County State Water participants. If both agencies decide the Emergency Program is not needed at this time due to

the recent increases in reservoir levels, both agencies intend on having agreements in place in advance of a State Water emergency.

Member Garing inquired where the District stands on the capacity exchange with CCWA's pipeline. Mr. Hutchinson indicated we are exchanging one (1) AF of water for (1) one AF of capacity.

Public attendee, Ms. Patty Welsh of Arroyo Grande, asked the Committee to state the full name of the acronyms used during the meeting (i.e., DWR is an acronym for State Department of Water Resources).

No further public comment was given.

- III. Approval of Meeting Minutes of November 17, 2016** -- Chairman Hagemann pointed out the November 17 meeting took place at the City of Pismo Beach, rather than the City of Grover Beach as reflected in the minutes. Ms. Montes indicated she would correct this error. Member Waage motioned to approve the minutes with this revision; Member Ikeda second; all approved.

No public comment was given.

#### **IV. Operations Report**

**A. Water plant operations, reservoir storage, downstream releases** -- Ms. Montes indicated the Lopez Lake elevation was 466.55 feet. Storage was 14,088 AF, which is 29 percent capacity. Rainfall to date was 17.86 inches. Plant production was 2 million gallons per day (MGD). Downstream release was 1.9 MGD. State Water was 1.5 MGD.

Mr. Hutchinson informed the Committee of updates to the SLOCountyWater.org website, which displays live information related to water flows and storage.

Mr. Hutchinson distributed a Frequently Asked Questions sheet to address questions from fishermen and media related to water releases from the Lopez Dam. Mr. Hutchinson indicated the water released at three cubic feet per second (CFS), satisfies legal requirements (i.e, California Fish & Game, U. S. Endangered Species Act, water rights for downstream users) while saving as much water as possible.

**B. Projected Reservoir Levels** -- The Committee reviewed the projected Lopez reservoir levels, which are rising. Mr. Hutchinson indicated the Lopez watershed is well saturated, which means runoff into the lake.

No public comment was given.

## V. Information Items

**A. Distribute Fiscal Year 2017-18 Proposed Budget** -- Kristi Smith, County Public Works Finance Division and Zone 3 Accountant, distributed the Fiscal Year (FY) 2017-18 Proposed Budget for Flood Control Zone 3. She indicated the budget would be distributed to the Zone 3 Finance Committee and all Zone 3 contacts (Zone 3 Technical Advisory Committee (TAC) and Advisory Committee Members, as well as Alternates) the following week.

Ms. Smith reviewed the annual budget process and indicated the Zone 3 Technical Advisory Committee (TAC) discussed and finalized the Capital Outlay section of the budget and at the TAC's February 2 meeting and will have another opportunity to review and discuss.

Ms. Smith indicated she would meet with the Zone 3 Finance Committee on February 21 to review the proposed budget. Ms. Smith encouraged Advisory Committee members to meet with appropriate Finance Committee members beforehand.

On March 16, Ms. Smith will attend the Zone 3 Advisory Committee Meeting and will present the budget and ask the Advisory Committee for its endorsement.

Ms. Smith indicated following the Advisory Committee's endorsement at the March 16 meeting, the budget will go to the County Board of Supervisors (BOS) in mid-June for adoption.

The FY 2017-18 budget reflects an overall increase of 2.7 percent in billings to Zone 3 agencies. Much of the proposed increase is due to a potential increase in chemical costs due to the Lopez Water Treatment Plant (LWTP) PH Suppression Project, and an anticipated services contract for consultation on health check items.

The County Public Works Utilities Division Labor Budget was increased due to the addition of a new Engineer dedicated to Zone 3. Routine Operations and Maintenance (O&M) billings are up by 8.1 percent and are offset by reductions in Non-Routine O&M. Capital Outlay billings are at the customary \$550,000 level.

Member Lee inquired who the Zone 3 Finance Committee members are. Ms. Smith indicated the members are: Nadia Feeser of City of Pismo Beach; Debbie Malicoat of City of Arroyo Grande; Gayle Chapman of City of Grover Beach; Carey Casciola of Oceano Community Services District.

No public comment was given.

**B. Climate Update** -- Ms. Montes presented the Climate Update and indicated San Luis Obispo County is still experiencing exceptional drought conditions with above average temperatures.

No public comment was given.

## VI. Capital Projects Update

**A. Bi-Monthly Update** -- Mr. Hutchinson presented a brief update of the District Capital Projects and indicated the Capital Projects' Program is on track and meeting timeframes.

Per Mr. Hutchinson, the Dam Intake and Operations Assessment indicated the Lopez reservoir could be drawn below 4,000 AF and down to 1,700 AF, pending improvements to water quality issues.

The Variable Frequency Drive Replacement Project which replaced worn out large electrical equipment used to start up large motors at LWTP is completed.

The Lopez Dam – Repair V-Ditch Project is complete. This project focused on the V-Ditch, which is a surface ditch adjacent to the spillway that grabs surface water to prevent to the dam erosion along the concrete and has been cleaned out to California Division of Safety of Dams (DSOD) standards.

The Terminal Reservoir Intake Repair Project is complete. This project focused on a pipe repair noted by the DSOD during an inspection. The pipe in question delivers water from the terminal reservoir dam to the LWTP. The terminal dam holds water transferred from Lopez Lake.

The Turnout Systems Control and Data Acquisition (SCADA) Project is in process and focuses on radio communications to Oceano. This project will remount a panel to improve communications and integrate Oceano radio.

The Membrane Strainer Replacement Project is in process and focuses on stainless steel strainer devices at the LWTP that lasted for five years and require replacement due to rust particles. The parts are on order.

The 6<sup>th</sup> Rack Addition Project is currently in process and will allow the LWTP to operate with smoother transitions between high and low water [pressure] rates.

The Coagulant Feed Alarm / Meter Project is in process and is a piece of equipment that broke down.

The Programable Logic Controller (PLC) Replacement & Programming Project is in process and focuses on controllers which “talk” to a main computer and each other, and sit on top of the LWTP racks. This project was added as a result of the 6<sup>th</sup> Rack Addition Project.

The Parking & Roadway Resurfacing Project is a slurry seal to the LWTP parking lot. To save costs, this project will take place in spring 2017, simultaneously with neighboring County roads resurfacing.

The Equipment Audit & Replacement Project is currently taking place and involves a proactive approach for scheduling regular equipment replacements.

Public Attendee, Patty Welsh, asked about the LWTP membrane strainers lifetime and warranty. Mr. Hutchinson indicated the parts were warranted for about a year, which is a typical amount of time for a warrant. He further indicated it is difficult to say how much longer the strainers would be expected to last with rust being present.

Chairman Hagemann commented that the PH Suppression Project was discussed at the Zone 3 TAC but was not on the list Mr. Hutchinson read from; although Chairman Hagemann indicated it may not have the same sense of urgency as it once had, now that the quality of water has improved. Mr. Hutchinson indicated he would make sure the Project gets on the list moving forward.

No further public comment was given.

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

None discussed.

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

**A. AT&T Cell Tower Site Request** -- Mr. Hutchinson presented the AT&T Cell Tower Site Request. He indicated AT&T is proposing a 60-foot mono pine type cell tower on District property within the Lopez Recreation Area--on a County Parks' hiking and horseback riding trail on the high point of Upper Lopez Canyon.

Mr. Hutchinson indicated the request has been discussed with County Parks' staff who've expressed some concern over the proposed cell tower's proximity to the trail; however, AT&T has indicated there may be some flexibility to move the tower.

Mr. Hutchinson indicated that for the cell tower to be placed in the proposed location, AT&T must obtain a County issued Land Use Permit. To apply for the Permit, landowner (County BOS) consent is required to begin the planning process.

To be able to take AT&T's request to the BOS, the request was discussed at the Zone 3 TAC which recommended AT&T move forward with the planning process.

Mr. Hutchinson asked the Advisory Committee for a recommendation to the BOS regarding AT&T's request to apply for a cell tower in a County Park and begin the planning and land use process.

No public comment was given.

Member Lee motioned to provide a recommendation for support of the County Board of Supervisors providing its consent of landowner.

Chairman Hagemann pointed out that Mr. Brunet and Mr. Brown who attended the Committee meeting as Oceano Community Services District and City of Arroyo Grande

representatives, respectively, have not been appointed by the BOS and therefore could not vote on the recommendation; however, all appointed Committee members voted in favor of Member Lee's motion.

**IX. Future Agenda Items** -- Mr. Brown inquired whether the District plans to pursue cloud seeding this year. Mr. Hutchinson indicated the District is working in partnership with Santa Barbara County and in coordination with Monterey County Water Resources Agency to move forward with the process next year.

**X. Committee Member Comments** -- Member Ikeda thanked the County for the prompt response related to storm preparations along the Arroyo Grande Creek Levee.

Mr. Hutchinson indicated Committee Members and members of the public can contact the Public Works Department during business hours at (805) 781-5252 for any storm related concerns.

Chairman Hagemann thanked Member Waage for his service on the Committee. As elected Mayor, Member Waage will no longer have available time to serve on the Committee.

Member Waage informed the Committee that the City of Pismo Beach declared a State of Emergency following erosion within City limits.

Member Lee thanked the City of Pismo for taking the lead on the regional water reclamation project which will benefit Flood Control Zone 3.

**Meeting Adjourned at 7:50 p.m.**

### **Next Regularly Scheduled Meeting**

Next Regular Meeting is Tentatively Scheduled for Thursday, May 18, 2017 at 6:30 p.m. at City of Pismo Beach.

Respectfully Submitted,

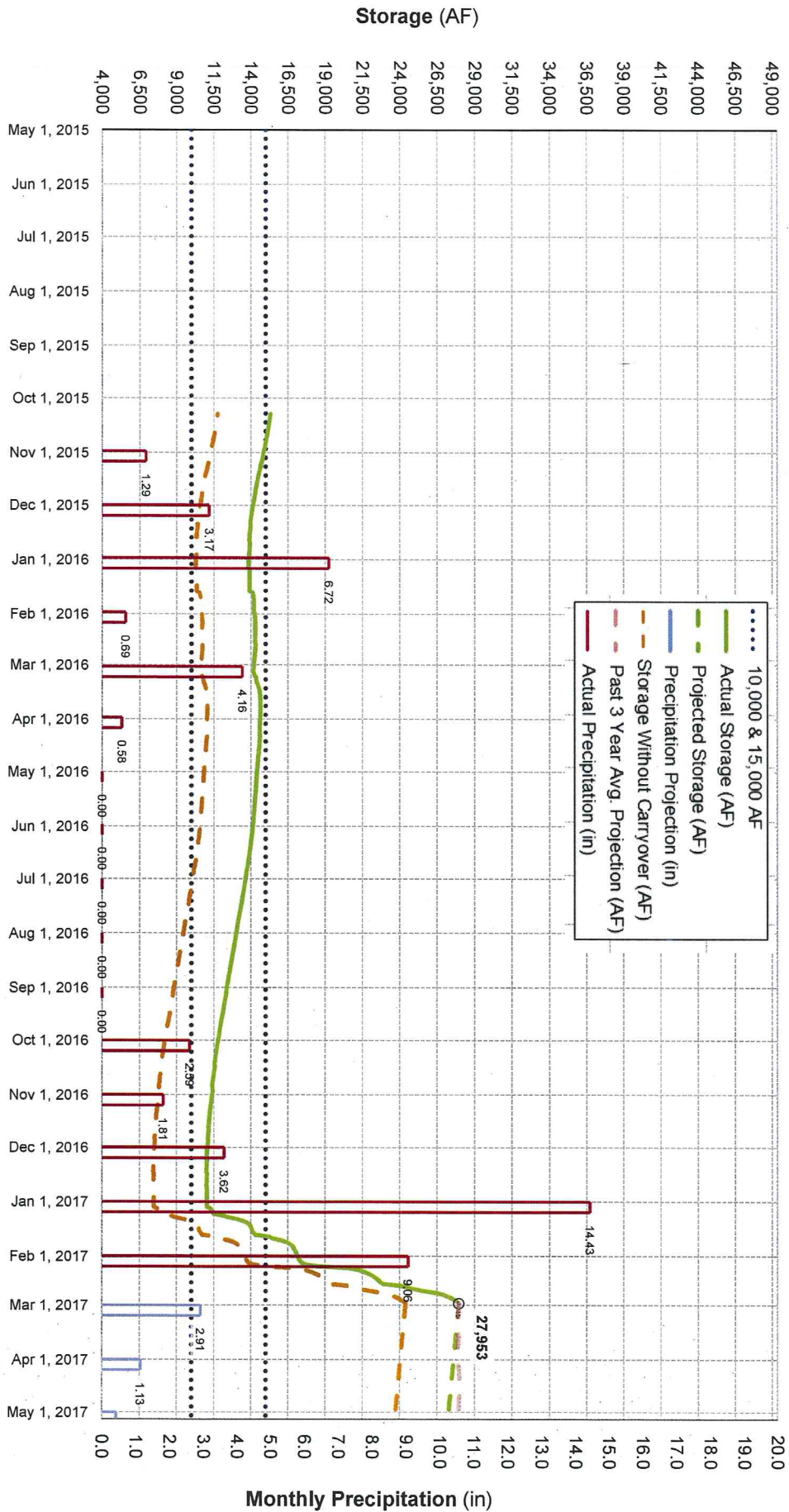
Andrea M Montes  
County of San Luis Obispo Public Works Department

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### Lopez Reservoir Storage Projections

(precipitation scenario source: www.LongRangeWeather.com)

Revised: 2/28/2017



- Notes:
- For "Dry Months" (April - October), projected increases and/or decreases in storage estimated to mimic conditions from 2015.
  - For "Wet Months" (November - March), projected storage declines assume LRRP annual downstream release of 3,800 AFY and deliveries of 4,077 AFY.
  - For "Wet Months", projected storage increases based on historic trends from actual storm data for the period of 12/1/993 through 6/2011.
  - Storage projection for "Wet Months" assume that unsaturated conditions exist.
  - Rainfall projection provided by www.LongRangeWeather.com, and updated 2/1/2017. Evaporation included in storage projection.
  - Past 3 Year Avg. Projection uses historic daily capacity changes averaged from 2014, 2015, 2016
  - Actual precipitation is the total of the previous month.





COUNTY OF SAN LUIS OBISPO

Department of Public Works

Wade Horton, Director

March 16, 2017

MEMORANDUM

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

**FROM:** Kristi Smith, Accountant

**SUBJECT:** Flood Control Zone 3, Second Quarter Budget Status Fiscal Year 2016/17

Recommendation

The item to be received and filed.

Summary

Attached please find the second quarter budget versus actual results for the fiscal year 2016/17. Due to the recommended budget adjustments authorized by the Advisory Committee at the September 15, 2016 meeting, the budget was increased by the Board of Supervisors in December to \$5.1 million dollars to accommodate the pH Suppression & Scaling Control project. The budget is broken into three categories: Routine O&M expenses, Non-Routine O&M expenses, and Capital Outlay expenses. At 50% of the fiscal year, expenses totaled approximately 36% of the annual budget.

Total Budget	Expenses through Q2	Balance Available	% of Budget Expended
5,168,546	1,863,599	3,304,948	36%

**Routine O&M** annual budget is approximately \$3.5 million dollars. At 50% of the fiscal year, expenses were 47% of the annual budget, which results in approximately \$1.8 million dollars of available balance for the remainder of the year.

Total Budget	Expenses through Q2	Balance Available	% of Budget Expended
3,506,162	1,645,834	1,860,327	47%

Expenses for the second quarter are on target with budgeted levels in this category.

**Non Routine O&M** annual budget is approximately \$828,000 dollars. At 50% of the fiscal year, expenses were 17% of the annual budget, which results in approximately \$688,000 dollars of available balance for the remainder of the year.

Total Budget	Expenses through Q2	Balance Available	% of Budget Expended
828,477	140,231	688,245	17%

The balance available in this category is due to several items. The Lopez Water Rights/Habitat Conservation Plan (HCP) status remains the same since last quarter. Once the contract issue is resolved, work can move forward again. The budgets for the PLC Replacement and the Replacement of the Membrane Strainers were both increased during the second quarter, but the majority of expenses will not occur until the third and fourth quarters.

**Capital Outlay** annual budget is approximately \$834,000 dollars. At 50% of the fiscal year, expenses were 9% of the annual budget, which results in approximately \$756,000 dollars of available balance for the remainder of the year.

Total Budget	Expenses through Q2	Balance Available	% of Budget Expended
833,908	77,533	756,375	9%

The majority of the balance available in this category is for the upcoming pH Suppression & Scaling Control project.

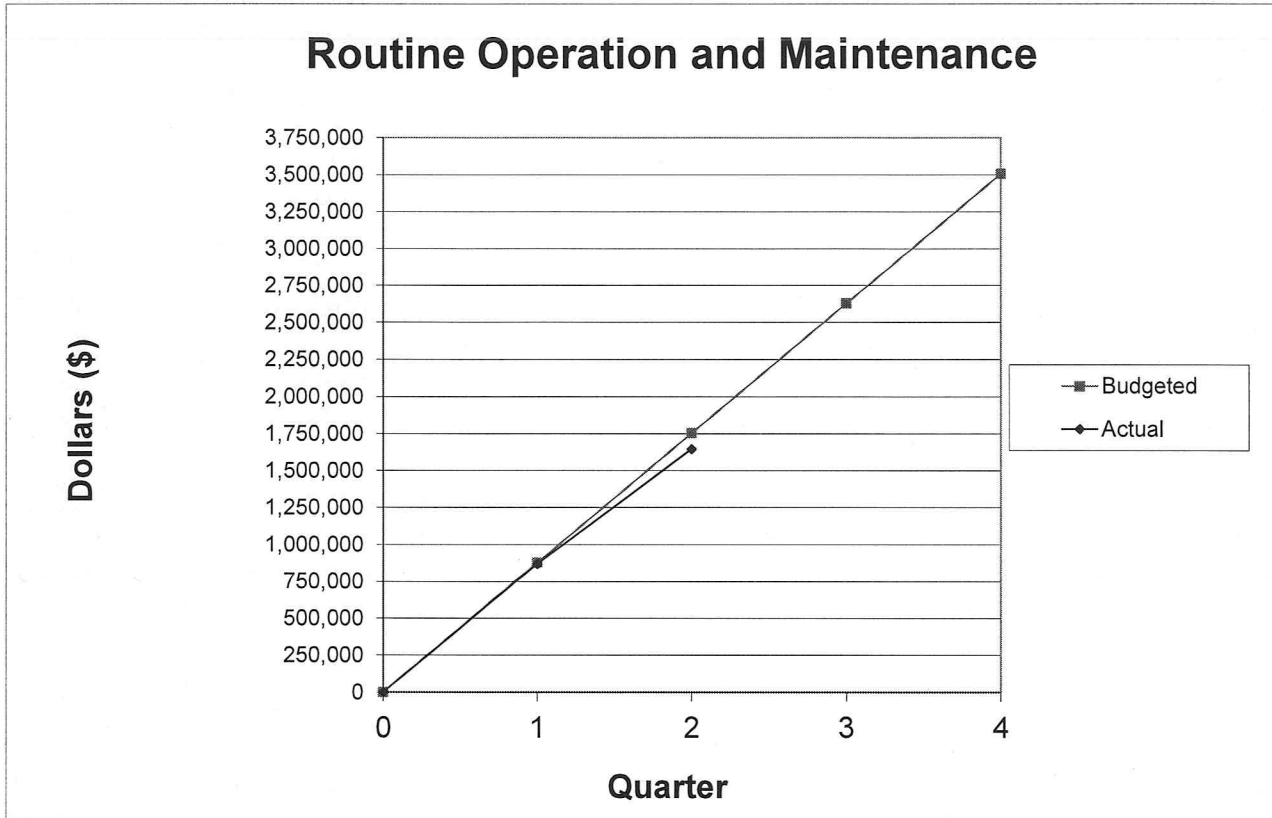
**Other Agency Involvement/Impact**

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**

Refunds due to agencies for fiscal year 2015/16 were credited to the invoices due January 1, 2017. As approved by the Advisory Committee, a one-time proportionate contribution was withheld from each agency’s refund and will be used to fund the ECORP Modeling Contract effort. All agencies are current on their payments.

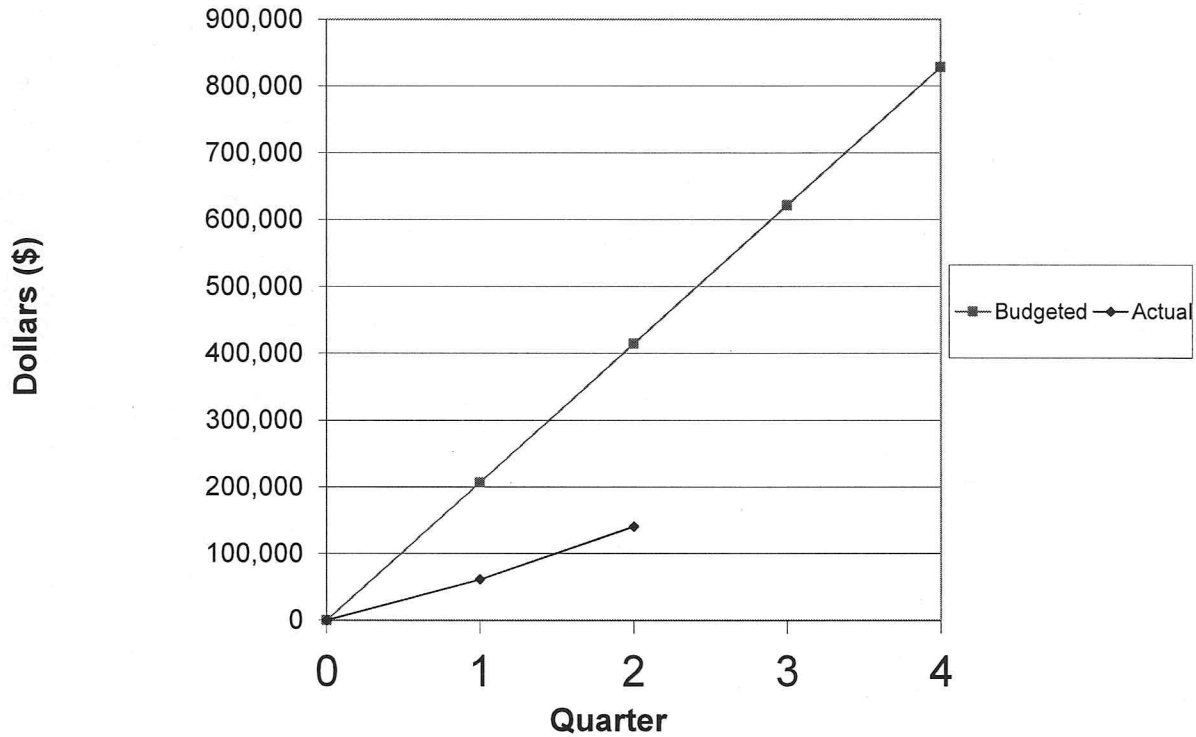
Zone 3 Budget Status  
2nd Quarter FY16/17



O&M Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Labor and Overhead	2,163,673	516,651	426,387	-	-	943,038	44%	1,220,635
Chemicals - Water Treatment Plant	306,952	73,341	54,500	-	-	127,841	42%	179,111
Utilities - Water Treatment Plant	172,875	50,665	41,667	-	-	92,331	53%	80,543
Vendors - Water Treatment Plant	253,355	114,267	164,370	-	-	278,637	110%	(25,282)
Terminal	83,826	21,416	12,627	-	-	34,043	41%	49,783
Main Dam	108,384	56,504	15,081	-	-	71,585	66%	36,799
Other	417,098	35,919	62,441	-	-	98,360	24%	318,738
<b>Expenses</b>		<b>868,762</b>	<b>777,072</b>	<b>-</b>	<b>-</b>	<b>1,645,834</b>	<b>47%</b>	<b>1,860,327</b>
<b>Budget</b>	<b>3,506,162</b>	<b>876,540</b>	<b>876,540</b>	<b>876,540</b>	<b>876,540</b>	<b>3,506,162</b>		
<b>Variance (over)/under</b>		<b>7,778</b>	<b>99,468</b>	<b>876,540</b>	<b>876,540</b>	<b>1,860,327</b>		
<b>% Variance</b>		<b>1%</b>	<b>11%</b>	<b>100%</b>	<b>100%</b>			

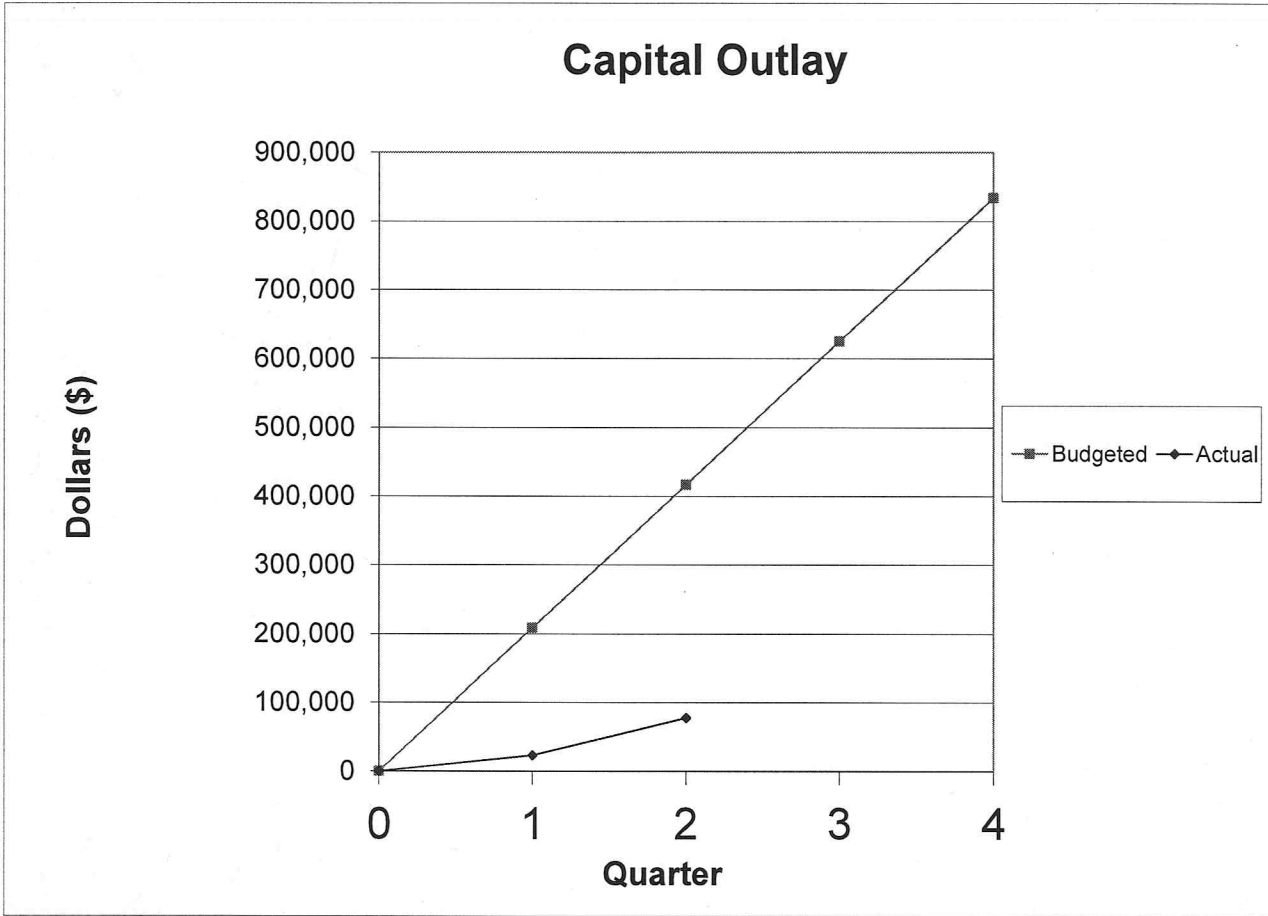
Zone 3 Budget Status  
2nd Quarter FY16/17

### Non-Routine Operation and Maintenance



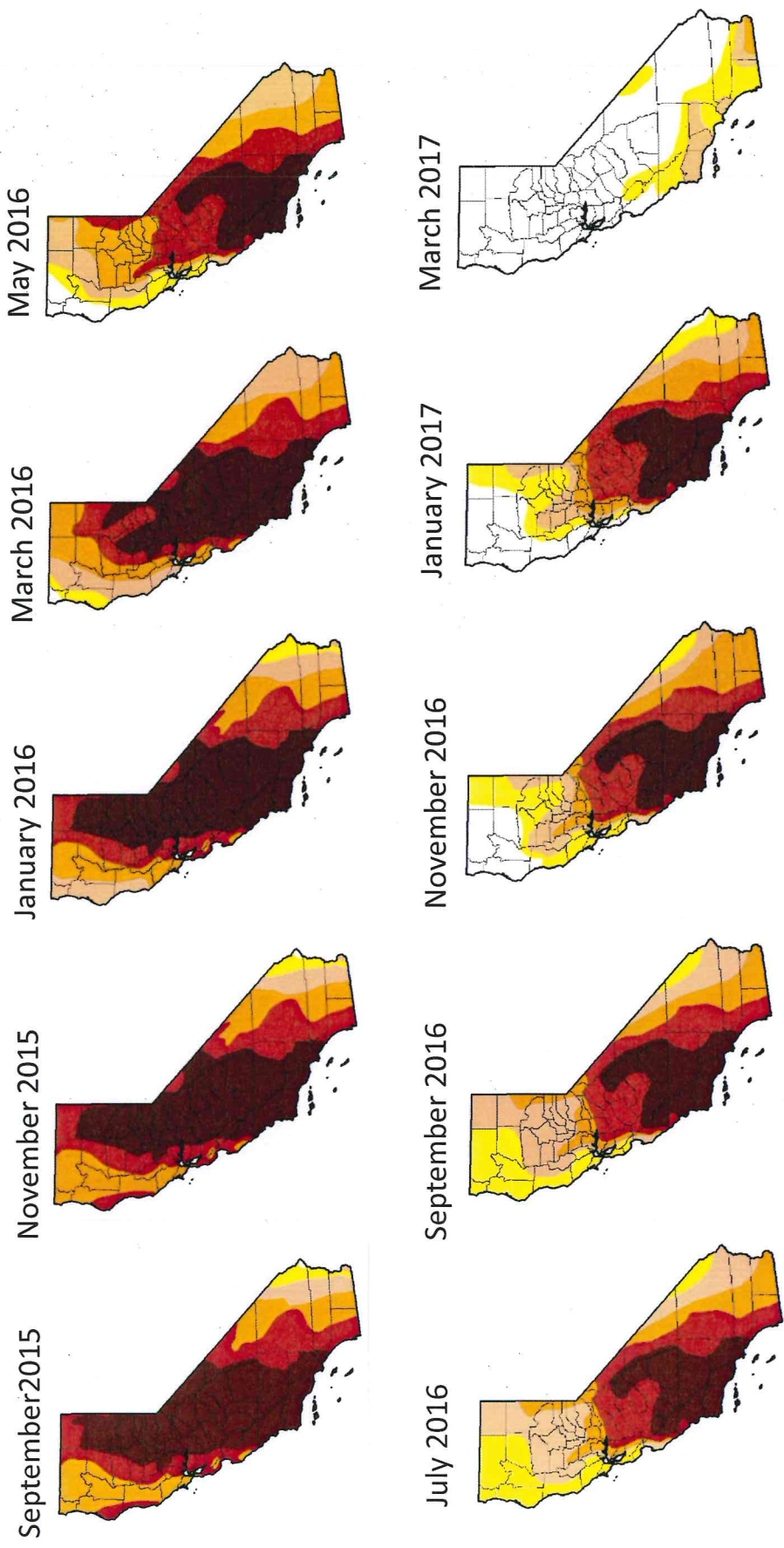
O&M Non Routine Category	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Labor and Overhead	121,813	29,291	26,196	-	-	55,487	46%	66,326
Lopez Water Rights IHCP	212,818	2,482	2,692	-	-	5,174	2%	207,644
Cathodic Protection Maint	14,172	-	-	-	-	-	0%	14,172
Terminal Resvr Intake Repair	28,953	38,673	-	-	-	38,673	134%	(9,720)
Dam Intake Fac & Ops Assessment	25,000	-	-	-	-	-	0%	25,000
Structural Assessment Term Resv Dam	-	-	-	-	-	-	0%	-
Equip Storage Garage Design	-	-	-	-	-	-	0%	-
Meadow Creek Diversion Channel	6,946	(9,768)	12,098	-	-	2,330	34%	4,616
Pressure Transducers	-	-	-	-	-	-	0%	-
Pigging-Unit B	117,195	-	-	-	-	-	0%	117,195
PLC Replacement & Programming	94,227	12	-	-	-	12	0%	94,215
Replace Membrane Strainers	175,000	-	4,502	-	-	4,502	3%	170,498
Other	32,353	585	33,469	-	-	34,054	105%	(1,701)
<b>Expenses</b>		<b>61,275</b>	<b>78,957</b>	<b>-</b>	<b>-</b>	<b>140,231</b>	<b>17%</b>	<b>688,245</b>
<b>Budget</b>	<b>828,477</b>	<b>207,119</b>	<b>207,119</b>	<b>207,119</b>	<b>207,119</b>	<b>828,477</b>		
<b>Variance (over)/under</b>		<b>145,844</b>	<b>128,163</b>	<b>207,119</b>	<b>207,119</b>	<b>688,245</b>		
<b>% Variance</b>		<b>70%</b>	<b>62%</b>	<b>100%</b>	<b>100%</b>			

Zone 3 Budget Status  
2nd Quarter FY16/17



Capital Outlay Projects	Total Budget	1st Quarter	2nd Quarter	3rd Quarter	4th Quarter	Total	Total Exp as % of Budget	Total Balance Avail
Lopez Turnouts SCADA System	50,367	14,633	14,115	-	-	28,748	57%	21,619
WTP 6th Membrane Filtration Module Addit	30,403	1,405	1,897	-	-	3,302	11%	27,101
VFD Replacement Project	9,188	174	6,859	-	-	7,033	77%	2,155
Power Monitoring Project	3,328	3,278	51	-	-	3,328	100%	(0)
Lopez Dam Repair V-Ditch Adjacent to Sp	45,629	3,023	29,682	-	-	32,705	72%	12,924
WTP Resurface Parking Lot	44,993	421	586	-	-	1,006	2%	43,987
Improved Boat Access at Term Resv	-	-	-	-	-	-	0%	-
Ammonia Analyzer Equip Repl	-	-	-	-	-	-	0%	-
pH Suppression & Scaling Control	625,000	-	1,410	-	-	1,410	0%	623,590
<b>Capital Equipment</b>								
Coagulant Feed Alarm System	-	-	-	-	-	-	0%	-
Water Purify System Milli-Q Double DI	-	-	-	-	-	-	0%	-
Water Treatment Barge	-	-	-	-	-	-	0%	-
Various (as needed)	25,000	-	-	-	-	-	0%	25,000
<b>Expenses</b>		22,934	54,599	-	-	77,533	9%	756,375
<b>Budget</b>	833,908	208,477	208,477	208,477	208,477	833,908		
<b>Variance (over)/under</b>		185,543	153,878	208,477	208,477	756,375		
<b>% Variance</b>		89%	74%	100%	100%			

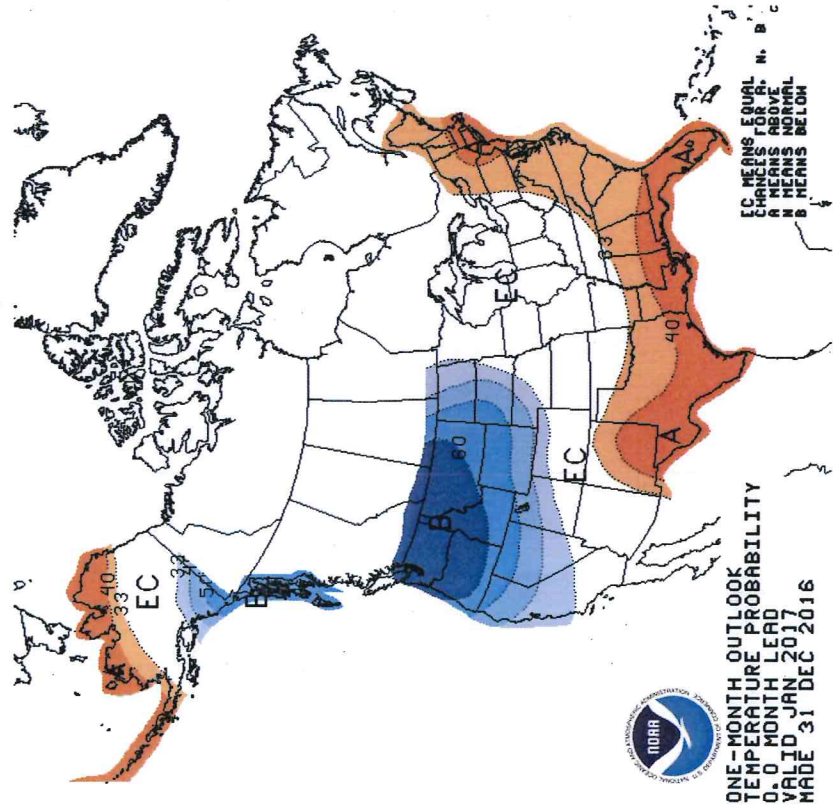
# U.S. DROUGHT MONITOR



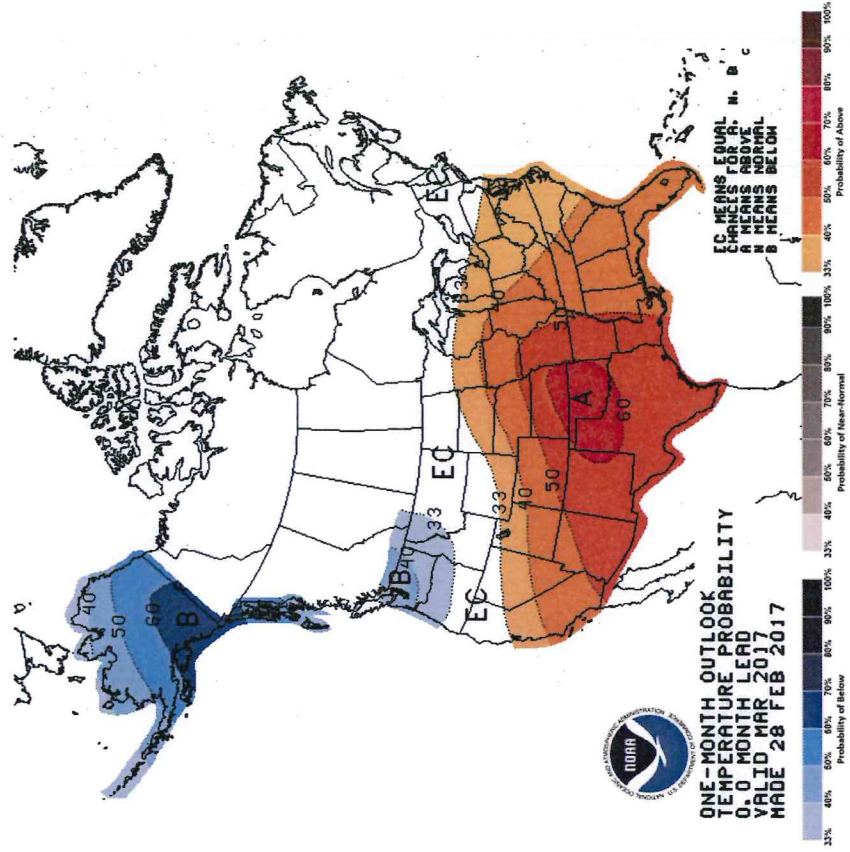
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# NOAA TEMPERATURE FORECAST

## January



## March

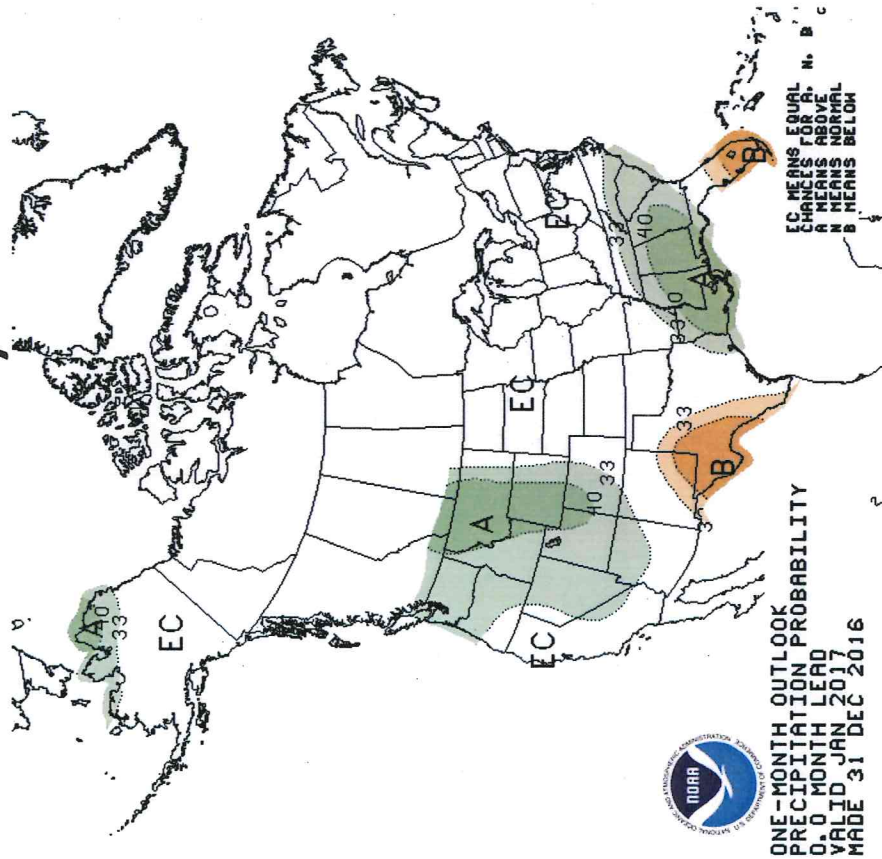


## January Meeting

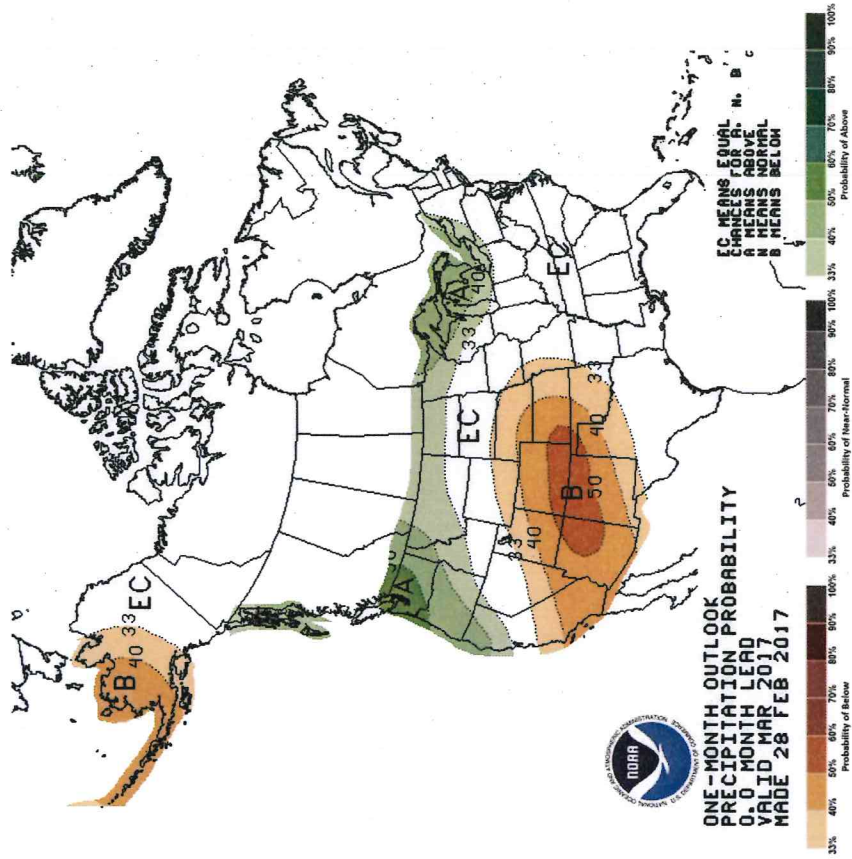
## March Meeting

# NOAA PRECIPITATION FORECAST

January



March



January Meeting

March Meeting





**TO:** Zone 3 Advisory Committee

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

**VIA:** Mark Hutchinson, Deputy Director of Public Works

**DATE:** March 16, 2017

**SUBJECT:** Declaration of Surplus Water and Low Reservoir Response Plan

**Recommendation:**

1. Recommend that the Board of Supervisors of the San Luis Obispo County Flood Control and Water Conservation District declare Surplus Water as described in Article 4 Sections (C) and (D) of the Water Supply Contracts, in the estimated amount of 2921 acre feet, or as adjusted by final year-end water accounting, and
2. Recommend that the Board of Supervisors of the San Luis Obispo County Flood Control and Water Conservation District continue to implement the Low Reservoir Release Plan adopted by the Board of Supervisors on December 16, 2014.

**Discussion**

***Surplus Water***

Every year the San Luis Obispo County Flood Control and Water Conservation District (District) declares surplus water per the water supply contracts for Zone 3 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 and downstream entitlements. The Water Supply Contracts specify that surplus water is offered to the Zone 3 agencies in proportion to their participation in the project. Table 1 below shows estimated agency surplus water accounts per the Zone 3 water supply contracts. The Board action for formal declaration of surplus water is scheduled for April 18, 2017.

Table 1

Lopez Water - Estimated Surplus Water for 2017/2018 by Contract and superceded by LRRP

A	B	C	D	E	F	G	H	I	J
2015 -2016 Water Available Per Contract				Actual Deliveries April 2016-Feb 2017		Estimated Deliveries <sup>1</sup>		Surplus by Contract (Superceded by LRRP)	
Contractor	Entitlement	Surplus <sup>3</sup>	Total Available	Entitlement	Surplus	March 2016	Estimated Total Deliveries thru WY 2016/17	Surplus Generated Unused Entitlement	Surplus Available Total Surplus by percent of Entitlement
Arroyo Grande	2,290	991	3,281	1,570	0	127	1,696	594	1,477
Pismo Beach <sup>2</sup>	892	386	1,278	129	0	0	129	763	575
Grover Beach	800	346	1,146	711	0	67	778	22	516
Oceano CSD	303	131	434	69	0	52	121	182	195
CSA 12	245	106	351	86	0	11	97	148	158
<b>Sub Totals</b>	<b>4,530</b>	<b>1,960</b>	<b>6,490</b>	<b>2,565</b>	<b>0</b>	<b>256</b>	<b>2,821</b>	<b>1,709</b>	<b>2,921</b>
Downstream	4,200			2,807		181	2,987	1,213	0
<b>Total</b>	<b>8,730</b>			<b>5,372</b>	<b>0</b>	<b>437</b>	<b>5,809</b>	<b>2,921</b>	<b>2,921</b>

NOTES

1. March 2017 usage estimated based on March 2016 usage, up to maximum available
2. Includes subcontract for 92 AF from CSA12
3. Surplus water as declared on 5/10/2016 at BOS

CALCULATIONS

Columns A-D from BOS 5.10.2016 Surplus Water Declaration  
 Columns E-H actual and projected water deliveries for water year 16/17  
 Columns I-J surplus water calculations per Water Supply Contracts

The declaration of Surplus Water this year is a contract formality because the reservoir is still being operated under the Board adopted Low Reservoir Response Plan (LRRP).

**Low Reservoir Response Plan**

The LRRP goes into effect when two triggers are met; 1) Board of Supervisors declares a Zone 3 or County-wide water emergency and 2) the reservoir level drops below 20,000 AF. Similarly, the LRRP is no longer in effect when both triggers rescind. Therefore, although the reservoir is above 20,000 AF the County-wide water emergency proclamation has not been rescinded, the LRRP is still in effect. The LRRP provides for three temporary changes to the declaration of "Surplus Water":

1. Unused downstream releases below 4,200 acre feet will not be counted as surplus water
2. Any surplus water generated by an individual agency will only be available for use by that agency, and
3. Each agency may "carry over" any of its unused water from the previous year (subject to evaporation losses)

The LRRP has been successfully in effect since April 1, 2015. Since that time with agencies enacting mandatory water conservation, utilizing other sources such as State Water and some minimal rainfall the 10,000 AF trigger requiring 20% reductions was avoided. As a result of an exceptionally wet winter, the reservoir has recovered from a low of 11,000 AF (22%) to approximately 29,000 (58%) AF.

Zone 3 agencies via the Zone 3 Technical Advisory Committee (TAC) are concerned that while triggers set forth in the LRRP may indicate that the LRRP is no longer needed, there are other indicators that should be evaluated to assure agencies that the impacts of the drought are over. The recovery of groundwater levels via well measurements (April) are one critical factor as well as levels in the reservoir and confidence that community use trends remain in conservation mode. It is the recommendation of the TAC that the LRRP remain in effect until there is clear and convincing evidence that the drought is over. The details of what that evidence might be are the priority efforts of the TAC in the next several months, and will be brought back to the Advisory Committee for further discussion.

Table 2 below provides estimated Agency water supplies for 17-18 while continuing to operate under the LRRP.

**Water Supply Estimate for 2017-2018 under the LRRP is summarized below:**

<b>TABLE 2: ESTIMATED ZONE 3 2017-2018 AVAILABLE WATER SUPPLY</b>				
<b>Contractor</b>	<b>Entitlement at 20,000 AF trigger</b>	<b>Unused Carryover in 16 -17<sup>1</sup></b>	<b>Unused Entitlement in 16-17 "New Carryover"</b>	<b>Water Accounts by Agency 17-18</b>
Arroyo Grande	2290	887.6	364.6	3542.2
Pismo Beach	892	1163.4	673.4	2728.8
Grover Beach	800	236.8	0.0	1036.8
Oceano CSD	303	675.8	152.1	1130.9
CSA 12	245	369.8	123.8	738.6
<b>Totals</b>	<b>4,530</b>	<b>3333</b>	<b>1314</b>	<b>9177</b>

<sup>1</sup> Amount shown have been adjusted for evaporation per LRRP (all amounts shown are subject to minor variations based on year end water accounting).

## **Results**

Declaration of surplus water and continued implementation of the LRRP will provide water to Zone 3 of the San Luis Obispo County Flood Control and Water Conservation District in amounts necessary to mitigate the extended water supply emergency and help protect the groundwater basin and promote good water management.

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SAN LUIS OBISPO COUNTY  
**DEPARTMENT OF PUBLIC WORKS**

Wade Horton, Director

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**TO:** Zone 3 Advisory Committee

**FROM:** Joshua Roberts, PE - Capital Projects

**DATE:** March 16, 2017

**SUBJECT:** Zone 3 Capital Projects Update

**Recently Completed Projects:**

- Coagulant Feed Alarm/Meter
- Dam Intake & Operations Assessment
- VFD Replacement
- Lopez Dam - Repair V-Ditch adjacent to Spillway (Flushing)
- Terminal Reservoir Intake Repair

**Project Updates:**

- Turnout SCADA Project - In Process
  - Remounting panel to integrate Ocean radio - Completed
  - Scheduling County IT SCADA User Read Only Integration
    - Goal - Draft at April TAC
- Membrane Strainer Replacement Project - In Process
  - New strainers are on-site & ready to install
  - Contracting with Cushman for installation and flushing
  - Flush and inspect downstream piping
  - Adding 20" Valve Replacement
- 6<sup>th</sup> Rack Addition-Unchanged
  - Construction 80% complete
  - Completion has been delayed until Membrane strainers have been replaced
  - Approximately 2 weeks required to complete install

- PLC Replacement & Programming -Unchanged
  - Preparing sole source agreement for Board Approval (April BOS Approval)
  - Agreement review in process
  - Plan to install with strainers and 6<sup>th</sup> Rack completion
  
- Parking & Roadway Resurfacing – In Process
  - Design – Complete
  - Bidding – March 2017
  - Prep Work – April 2017
  - Construction – May/June 2017
  
- Equipment Audit & Replacement – On Going
  - Work proposed to continue in 2017/18

**Upcoming Projects (Requested FY 2017/18):**

- Lopez WTP Safety Upgrades
- Pressure Transducers
- Structural Assessment of Terminal Reservoir
- Cathodic Protection Survey
- Replace Membrane Feed Pumps (1 per year)
- Fault Zone Repair – Dam Left Abutment
- Repair Domestic & Fire Tanks
- Equipment Storage
- Replace Ammonia Analyzer

**Deferred Projects**

- Improve Boat Access (FY 2018/19)
- Power Monitoring (FY 2018/19)



**March 16, 2017**

**TO:** Flood Control Zone 3 Advisory Committee  
**FROM:** Kristi Smith, Accountant  
**SUBJECT:** Endorsement of the Proposed Fiscal Year 2017/18 Budget

**Recommendation**

Endorse the proposed Fiscal Year 2017/18 Budget

**Discussion**

At the January 19, 2017 Advisory Committee meeting, the proposed budget was introduced and distributed to the Advisory Committee members to review and discuss with their agencies.

The following outreach has occurred:

- Review and discussion with the Technical Advisory Committee
- Review and discussion with the Finance Committee

Overall billings to contractors are increasing 2.7% from the prior year budget. Staff will provide a brief presentation and request endorsement of the proposed budget.