



## ZONE 3 ADVISORY COMMITTEE

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San Luis Obispo County Flood Control and Water Conservation District

MARCH 19, 2020

## ZONE 3 ADVISORY COMMITTEE

**CANCELLED**

**DUE TO COVID-19 PREVENTION MEETING PROTOCOLS**

UPDATES ON THE FOLLOWING ITEMS SHOWN ON THE MEETING AGENDA PREVIOUSLY SENT OUT ON MARCH 13, 2020 ARE ATTACHED

- III. DRAFT MINUTES – January 16, 2020 - [See Attachment 1](#)
- IV. OPERATIONS REPORT
  - A. Projected Reservoir Levels – [See Attachment 2](#)
  - B. January & February Monthly Operations Reports – [See Attachment 3](#)
- V. INFORMATION ITEMS
  - A. 2nd Quarter FY 2019/20 Budget Status – [See Attachment 4](#)
- VI. CAPITAL PROJECTS UPDATE
  - A. Bi-Monthly Update – [See Attachment 5](#)
- VIII. ACTION ITEMS (Board of Supervisors Action is Subsequently Required)
  - A. Fiscal Year 2020/21 Budget Endorsement – [Endorsement via E-mail](#)
  - B. Estimated Surplus Water for WY 19/20 – [See Attachment 6](#)

*If you have any questions, please call Jill Ogren 805-781-5263 or [jogren@co.slo.ca.us](mailto:jogren@co.slo.ca.us)*

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**Next Regular Meeting is Tentatively Scheduled for  
May 21, 2020 at 6:30 PM at the City of Pismo Beach**  
Agendas and documents 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 Heimel, Water Systems Consulting (WSC), provided a presentation on the Zone 3 Contract Change Modeling Model Scenario Results (Attachment 5 of the Agenda Packet). Mr. Heimel 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, OCSB 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. Heimel 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. Heimel 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. Heimel 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**

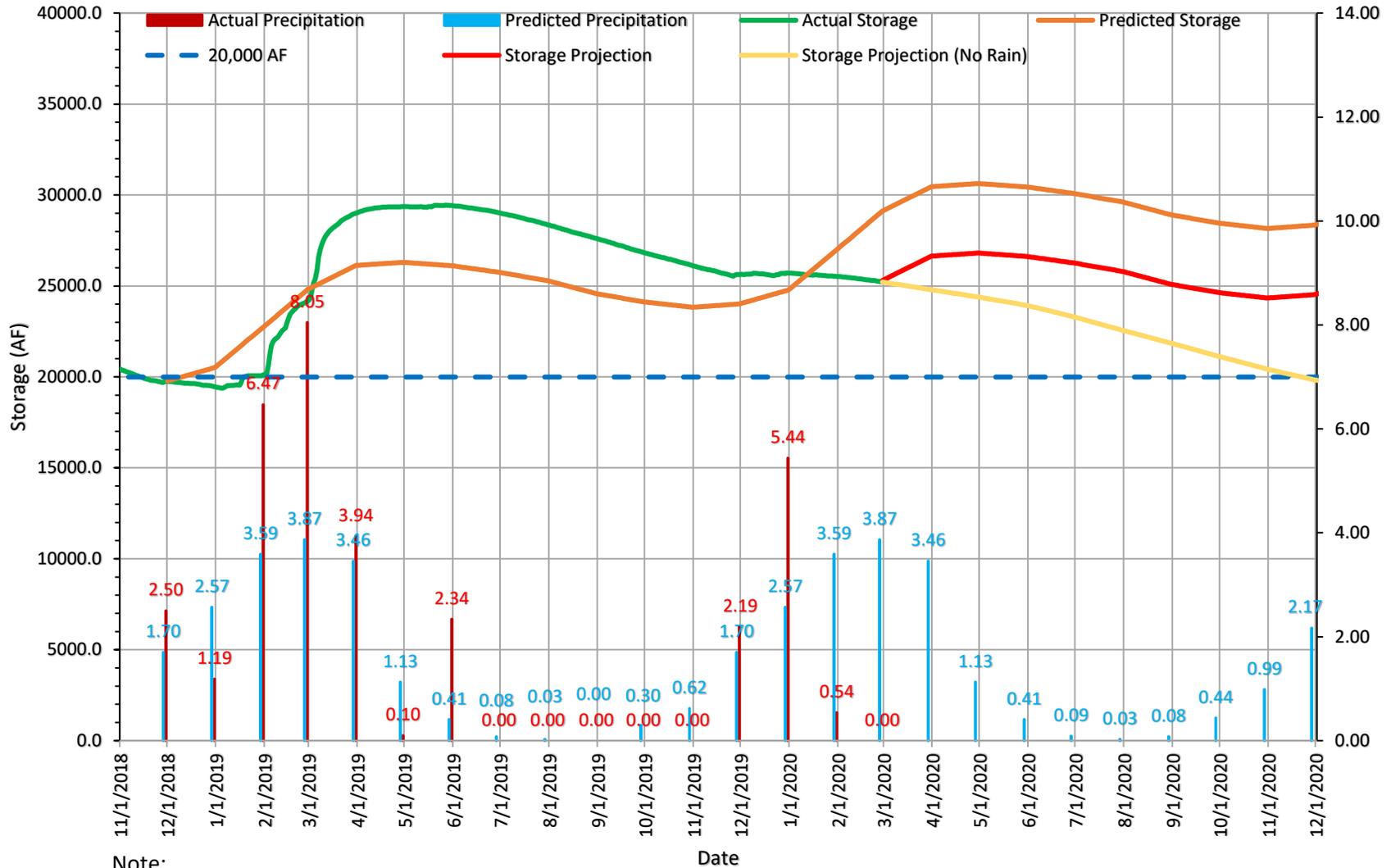
**XI. Committee Member Comments**

**Meeting Adjourned at 7:30 PM**

Respectfully Submitted,

Jenny Williamson  
County of San Luis Obispo Public Works Department

# LOPEZ RESERVOIR STORAGE PROJECTION

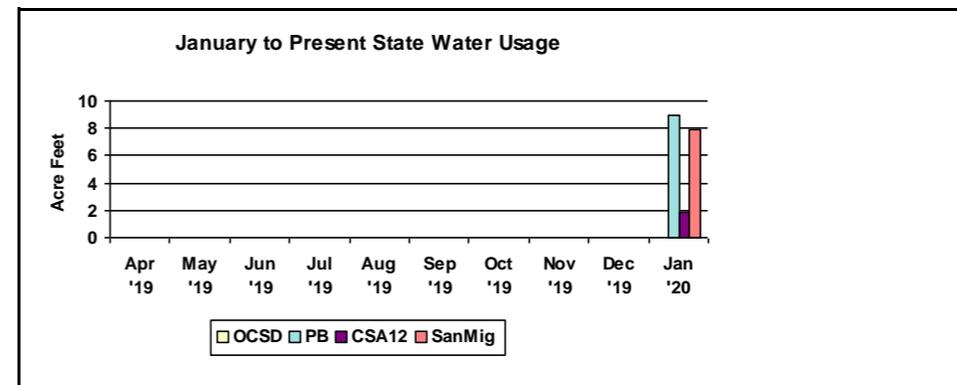
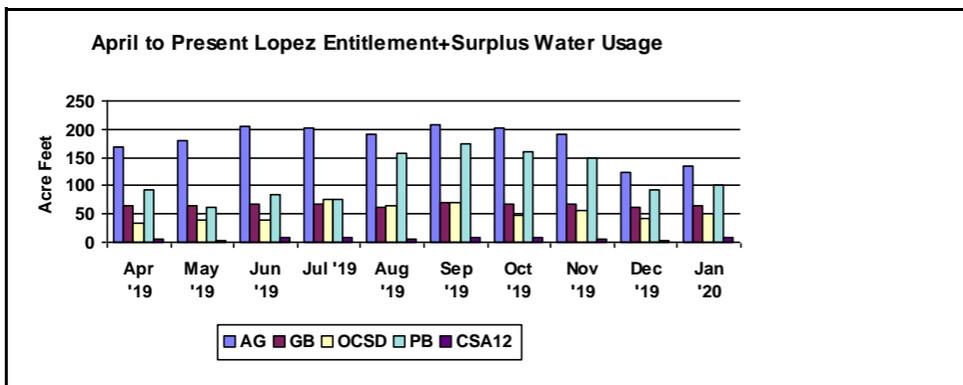


**Note:**

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.

## San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report January, 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              | 2668.00               | 135.90        | 5.9%        | 0.00          | 0.0%         | 1807.17          | 78.9%        | 0.00                          | 0.0%                   | 1807.17        | 78.9%          |                |              |                     |                                   |                    |                   |                |                     |                | 135.9 |               |
| Oceano CSD    | 303                    | 50.00                  | 400.00            | 353.00                | 0.00          | 0.0%        | 50.54         | 12.6%        | 303.00           | 100.0%       | 218.80                        | 54.7%                  | 521.80         | 74.2%          | 227            | 0.00         | 0.0%                |                                   |                    |                   | 0.00           | 0.0%                |                |       | 50.54         |
| Grover Beach  | 800                    | 132.00                 | 20.00             | 932.00                | 65.59         | 8.2%        | 0.00          | 0.0%         | 655.89           | 82.0%        | 0.00                          | 0.0%                   | 655.89         | 80.0%          |                |              |                     |                                   |                    |                   |                |                     |                | 65.59 |               |
| Pismo Beach   | 892                    | 147.00                 | 200.00            | 1039.00               | 0.00          | 0.0%        | 100.22        | 50.1%        | 892.00           | 100.0%       | 256.09                        | 128.0%                 | 1148.09        | 105.1%         | 1120           | 9.00         | 0.8%                |                                   |                    |                   | 9.00           | 0.8%                |                |       | 109.22        |
| CSA 12        | 245                    | 40.00                  | 0.00              | 285.00                | 8.57          | 3.5%        | 0.00          | 0.0%         | 68.39            | 27.9%        | 0.00                          | 0.0%                   | 68.39          | 27.9%          | 27             | 1.82         | 6.7%                |                                   |                    |                   | 1.82           | 6.7%                |                |       | 10.39         |
| San Miguelito |                        |                        |                   |                       |               |             |               |              |                  |              |                               |                        |                |                | 127            | 7.93         | 6.2%                |                                   |                    |                   | 7.93           | 6.2%                |                |       | 7.93          |
| <b>Total</b>  | <b>4530</b>            | <b>747.00</b>          | <b>620.00</b>     | <b>5277.00</b>        | <b>210.06</b> | <b>4.6%</b> | <b>150.76</b> | <b>24.3%</b> | <b>3726.45</b>   | <b>82.3%</b> | <b>474.89</b>                 | <b>76.6%</b>           | <b>4201.34</b> | <b>81.6%</b>   | <b>1501</b>    | <b>18.75</b> | <b>1.2%</b>         | <b>70</b>                         | <b>51.25</b>       |                   | <b>18.75</b>   | <b>1.2%</b>         | <b>70.00</b>   |       | <b>379.57</b> |
|               |                        |                        |                   |                       |               |             |               |              |                  |              | Last Month Stored State Water |                        |                | <b>1456.25</b> |                |              |                     | This Month Stored State Water     |                    |                   | <b>1507.50</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)     | 490.96     |              | Difference (feet) | -31.41 |
| Storage (full at 49200 acre feet)        | 25525      |              | % Full            | 51.9%  |
| Rainfall                                 | 0.58       | 8.94         |                   |        |
| Downstream Release (4200 acre feet/year) | 268.22     | 2333.58      |                   |        |
| Spillage (acre feet)                     | 0          | 0.00         |                   |        |

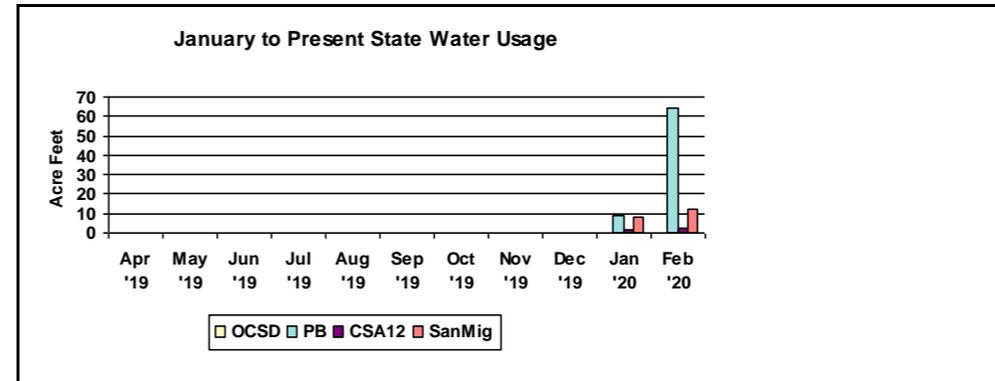
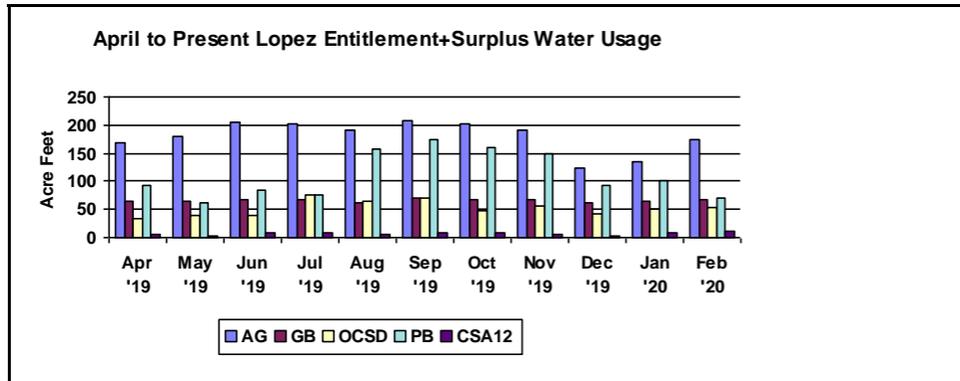
**Comments:** Available Surplus Water is shown and as designated per BOS May 14, 2019 Declaration of Surplus Water. Beginning with July report, Surplus water shown will be amount purchased by each agency.

1) Oceano supplied water to Canyon Crest via Arroyo Grande's Edna turn out. A total of 1.3 AF delivered to Canyon Crest was added to Oceano's water usage this month and 1.3 AF was subtracted from Arroyo Grande's usage this month.

Surplus water calculations are based on "Surplus Requested" not "Surplus Water Declared"

## San Luis Obispo County Flood Control and Water District Zone 3 - Lopez Project - Monthly Operations Report February, 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   |                                   |                               |               | SWP Deliveries | Change in Storage | January to Present  |       |                     |               |
|               |                        |                        |                   |                       | Entitlement   |             | Surplus       |              | Entitlement      |              | Surplus                |              | Total                         |              |                | Usage        |                                   | % of Annual Request           | Usage         |                |                   | % of Annual Request | Usage | % of Annual Request |               |
|               |                        |                        |                   |                       | Usage         | %           | Usage         | %            | Usage            | %            | Usage                  | %            | Usage                         | %            |                | Usage        |                                   | %                             | Usage         |                |                   | %                   | Usage | %                   |               |
| Arroyo Grande | 2290                   | 378.00                 | 0.00              | 2290.00               | 175.44        | 7.7%        | 0.00          | 0.0%         | 1982.61          | 86.6%        | 0.00                   | 0.0%         | 1982.61                       | 86.6%        |                |              |                                   |                               |               |                |                   |                     |       | 175.44              |               |
| Oceano CSD    | 303                    | 50.00                  | 400.00            | 703.00                | 0.00          | 0.0%        | 54.48         | 13.6%        | 303.00           | 100.0%       | 273.28                 | 68.3%        | 576.28                        | 82.0%        | 227            | 0.00         | 0.0%                              |                               |               |                |                   |                     |       |                     | 54.48         |
| Grover Beach  | 800                    | 132.00                 | 20.00             | 820.00                | 67.33         | 8.4%        | 0.00          | 0.0%         | 723.22           | 90.4%        | 0.00                   | 0.0%         | 723.22                        | 88.2%        |                |              |                                   |                               |               |                |                   |                     |       | 67.33               |               |
| Pismo Beach   | 892                    | 147.00                 | 327.00            | 1219.00               | 0.00          | 0.0%        | 70.91         | 21.7%        | 892.00           | 100.0%       | 327.00                 | 100.0%       | 1219.00                       | 100.0%       | 1120           | 64.43        | 5.8%                              |                               |               |                |                   |                     |       |                     | 135.34        |
| CSA 12        | 245                    | 40.00                  | 0.00              | 245.00                | 10.76         | 4.4%        | 0.00          | 0.0%         | 79.15            | 32.3%        | 0.00                   | 0.0%         | 79.15                         | 32.3%        | 27             | 2.06         | 7.6%                              |                               |               |                |                   |                     |       |                     | 12.82         |
| San Miguelito |                        |                        |                   |                       |               |             |               |              |                  |              |                        |              |                               |              | 127            | 11.90        | 9.4%                              |                               |               |                |                   |                     |       |                     | 11.9          |
| <b>Total</b>  | <b>4530</b>            | <b>747.00</b>          | <b>747.00</b>     | <b>5277.00</b>        | <b>253.53</b> | <b>5.6%</b> | <b>125.39</b> | <b>16.8%</b> | <b>3979.98</b>   | <b>87.9%</b> | <b>600.28</b>          | <b>80.4%</b> | <b>4580.26</b>                | <b>86.8%</b> | <b>1501</b>    | <b>78.39</b> | <b>5.2%</b>                       | <b>66</b>                     | <b>-12.39</b> | <b>97.14</b>   | <b>6.5%</b>       | <b>136.00</b>       |       |                     | <b>457.31</b> |
|               |                        |                        |                   |                       |               |             |               |              |                  |              |                        |              | Last Month Stored State Water |              | <b>1507.5</b>  |              |                                   | This Month Stored State Water |               | <b>1495.11</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)     | 490.44     |              | Difference (feet) | -31.93 |
| Storage (full at 49200 acre feet)        | 25220      |              | % Full            | 51.3%  |
| Rainfall                                 | 0          | 8.94         |                   |        |
| Downstream Release (4200 acre feet/year) | 195.18     | 2528.76      |                   |        |
| 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 1.8 AF delivered to Canyon Crest was added to Oceano's water usage this month and 1.8 AF was subtracted from Arroyo Grande's usage this month.

On 2/7/2020 Pismo requested the remaining 127 AF of surplus water in addition up to 90 AF of Oceano's surplus water if needed for February and March of 2020.



March 19, 2020

**MEMORANDUM**

**TO:** Flood Control Zone 3 Advisory Committee  
**FROM:** Kristi Smith, Accountant  
**SUBJECT:** Flood Control Zone 3, Second 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 second 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 second quarter, 31% of the total annual budget has been expended.

| Total Budget | Expenses through Q2 | Balance Available | % of Budget Expended |
|--------------|---------------------|-------------------|----------------------|
| 5,798,347    | 1,812,739           | 3,985,608         | 31%                  |

**Routine O&M:** This category has a budget of \$3.9M dollars. At the end of the second quarter, 44% of the annual budget has been expended, resulting in approximately \$2M available for the remainder of the year. Expenses in this category are slightly under budgeted levels.

| Total Budget | Expenses through Q2 | Balance Available | % of Budget Expended |
|--------------|---------------------|-------------------|----------------------|
| 3,894,400    | 1,700,769           | 2,193,631         | 44%                  |

**Non-Routine O&M:** This category has a budget of approximately \$870,000. At the end of the second quarter, 8% of the annual budget has been expended, resulting in an available balance of roughly \$800,000 for the remainder of the year. Expenses incurred during the second quarter are due to the replacement of the leach field system at the plant. This unbudgeted cost is partially offset by savings for the completed tank assessment.

| Total Budget | Expenses through Q2 | Balance Available | % of Budget Expended |
|--------------|---------------------|-------------------|----------------------|
| 872,073      | 72,409              | 799,664           | 8%                   |

**Capital Outlay:** This category has a budget of just over \$1M. At the end of the second quarter, expenses were 4% of the annual budget, resulting in approximately \$992,000 available for the remainder of the year. No significant work was performed in this category during the second quarter.

| Total Budget | Expenses through Q2 | Balance Available | % of Budget Expended |
|--------------|---------------------|-------------------|----------------------|
| 1,031,874    | 39,561              | 992,313           | 4%                   |

**Other Agency Involvement/Impact**

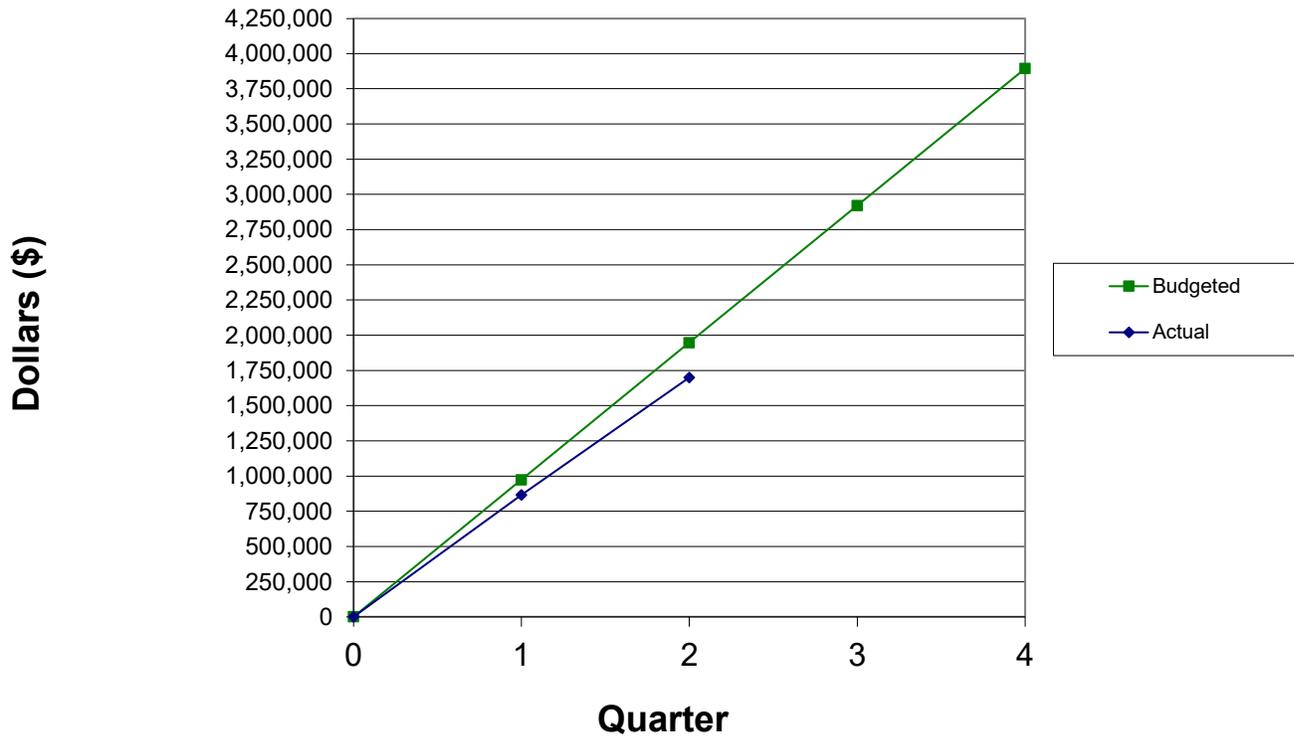
The agencies involved are: City of Arroyo Grande, City of Grover Beach, City of Pismo Beach, Oceano Community Services District, and County Service Area 12. Subcontractors of CSA 12 include Port San Luis Harbor District and Avila Beach Community Services District.

**Financial Consideration**

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

Zone 3 Budget Status  
2nd Quarter FY19/20

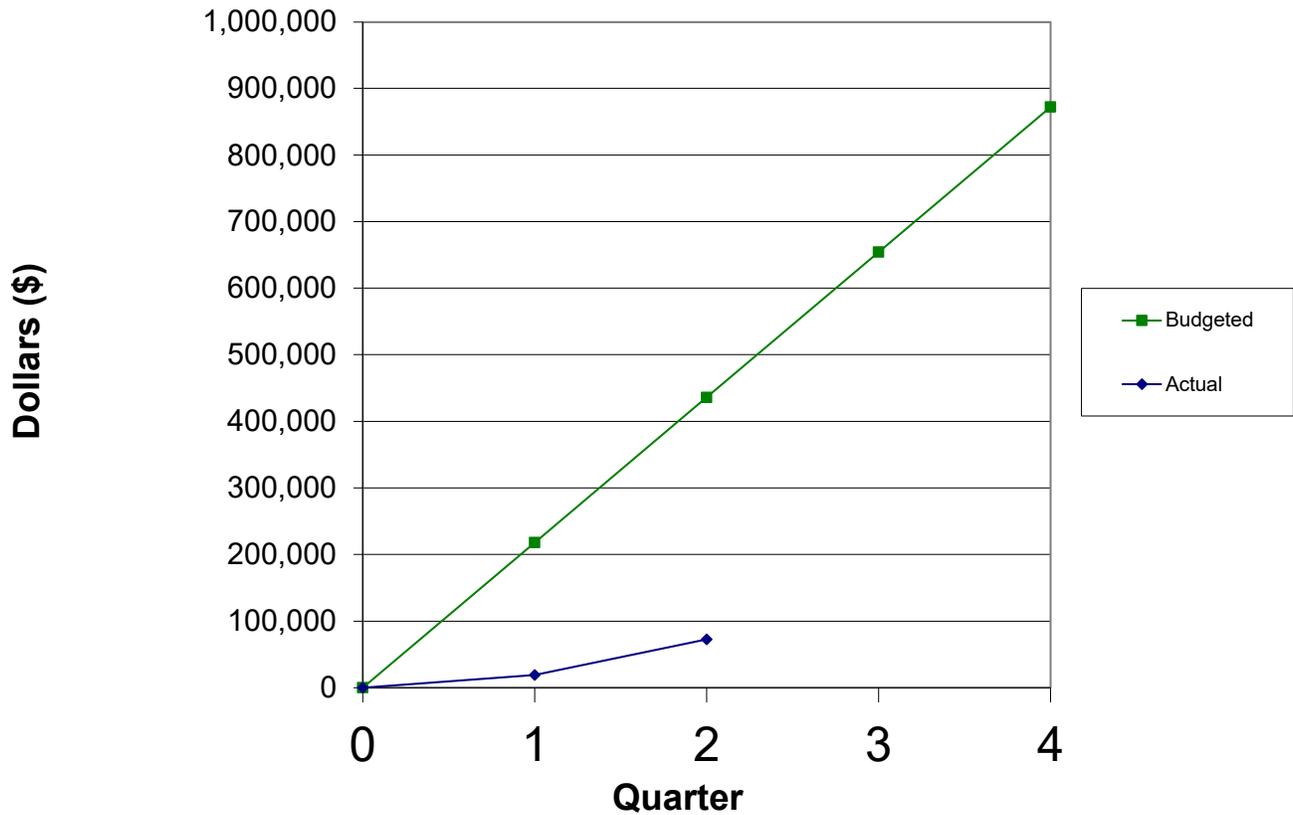
## Routine Operation and Maintenance



| 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       | -           | -           | 10,066     | 43%                      |                     |
| Chemicals - Water Treatment Plant       | \$ 408,791   | \$ 95,951   | \$ 104,655  | \$ -        | \$ -        | \$ 200,606 | 49%                      | \$ 208,185          |
| Water Quality Testing - Treatment Plant | 56,773       | 14,394      | 9,455       | -           | -           | 23,849     | 42%                      | 32,924              |
| Electricity - Water Treatment Plant     | 237,747      | 88,365      | 70,339      | -           | -           | 158,704    | 67%                      | 79,043              |
| All Other Costs - Water Treatment Plant | 1,779,397    | 360,891     | 395,446     | -           | -           | 756,337    | 43%                      | 1,023,060           |
| Terminal                                | 186,695      | 31,375      | 20,323      | -           | -           | 51,699     | 28%                      | 134,996             |
| Main Dam                                | 320,073      | 89,538      | 30,308      | -           | -           | 119,846    | 37%                      | 200,227             |
| Other                                   | 904,924      | 186,052     | 203,675     | -           | -           | 389,727    | 43%                      | 515,197             |
| Expenses                                |              | 866,567     | 834,202     | -           | -           | 1,700,769  | 44%                      | 2,193,631           |
| Budget                                  | 3,894,400    | 973,600     | 973,600     | 973,600     | 973,600     | 3,894,404  |                          |                     |
| Variance (over)/under                   |              | 107,033     | 139,398     | 973,600     | 973,600     | 2,193,631  |                          |                     |
| % Variance                              |              | 11%         | 14%         | 100%        | 100%        |            |                          |                     |

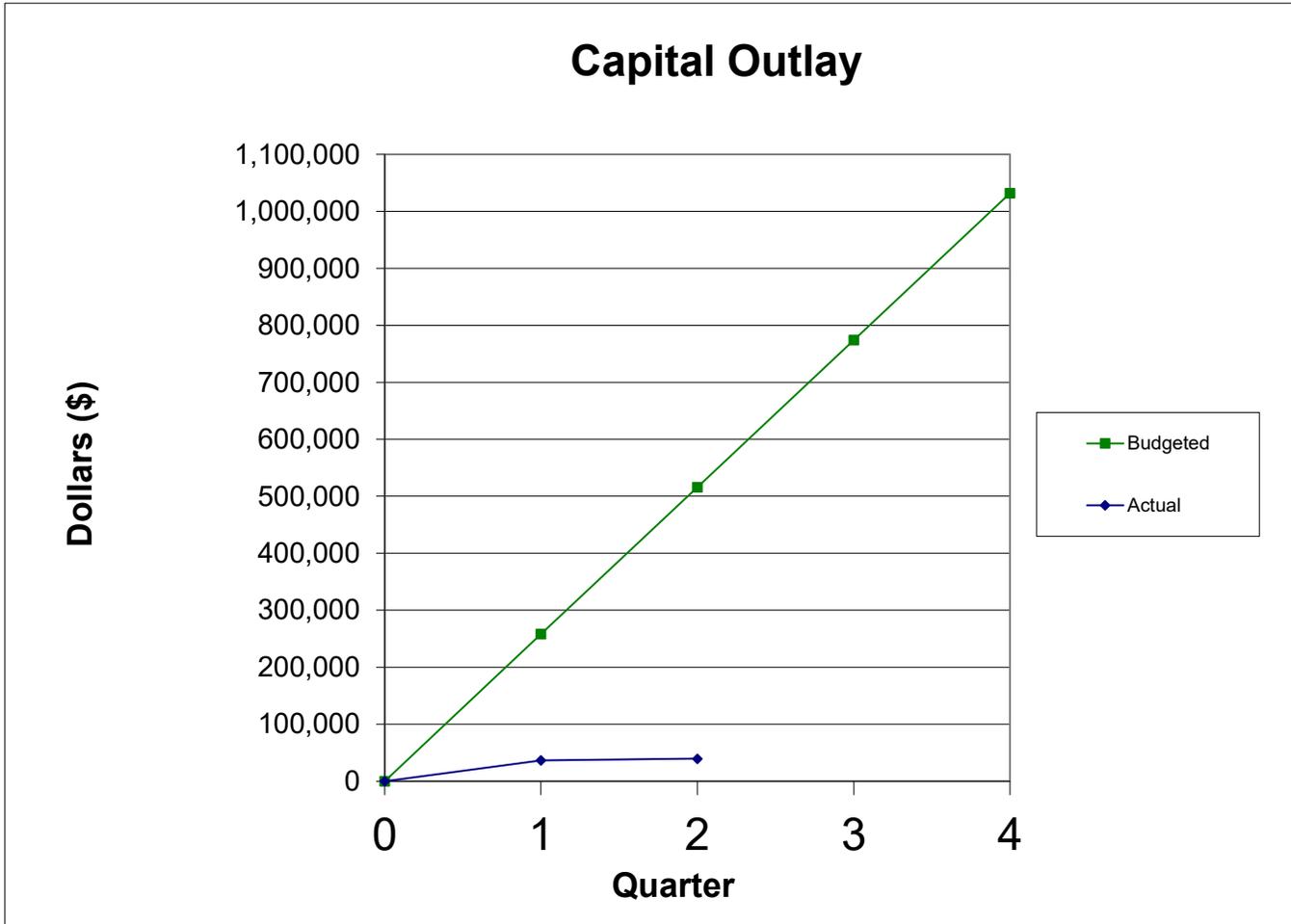
Zone 3 Budget Status  
2nd Quarter FY19/20

## 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       | \$ -           | \$ -           | \$ 16,505      | 4%                       | \$ 414,919          |
| Contribution to ISF for Shared New Equip            | 37,982         | -              | 744            | -              | -              | 744            | 2%                       | 37,238              |
| Domestic & Fireflow Tank Assessment <b>completd</b> | 42,667         | -              | -              | -              | -              | -              | 0%                       | 42,667              |
| Cloud Seeding Program                               | 300,000        | 1,136          | 24             | -              | -              | 1,160          | 0%                       | 298,840             |
| Equipment Audit/Replacement Plan                    | 25,000         | -              | -              | -              | -              | -              | 0%                       | 25,000              |
| Water Treatment Alternatives Study                  | 35,000         | -              | -              | -              | -              | -              | 0%                       | 35,000              |
| Other   | -              | 3,305          | 50,694         | -              | -              | 53,999         |                          | (53,999)            |
| <b>Expenses</b>                                     |                | <b>19,241</b>  | <b>53,168</b>  | <b>-</b>       | <b>-</b>       | <b>72,409</b>  | <b>8%</b>                | <b>799,664</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>218,018</b> | <b>218,018</b> | <b>799,664</b> |                          |                     |
| <b>% Variance</b>                                   |                | <b>91%</b>     | <b>76%</b>     | <b>100%</b>    | <b>100%</b>    |                |                          |                     |

Zone 3 Budget Status  
2nd Quarter FY19/20



| Capital Outlay Projects  | Total Budget     | 1st Quarter    | 2nd Quarter    | 3rd Quarter    | 4th Quarter    | Total            | Total Exp as % of Budget | Total Balance Avail |
|--|------------------|----------------|----------------|----------------|----------------|------------------|--------------------------|---------------------|
| Cathodic Protection Maint  | 153,921          | 28,705         | -              | -              | -              | 28,705           | 19%                      | 125,216             |
| Structural Assessment Term Resv Dam                                    | 90,000           | 171            | -              | -              | -              | 171              | 0%                       | 89,829              |
| Safety Upgrades to WTP   | 53,282           | -              | -              | -              | -              | -                | 0%                       | 53,282              |
| Rebuild Membrane Feed Pumps <span style="color: red;">completed</span> | 23,213           | -              | -              | -              | -              | -                | 0%                       | 23,213              |
| Spillway Physical Investigation  | 200,000          | 6,188          | 800            | -              | -              | 6,988            | 3%                       | 193,012             |
| 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          | -              | -              | 3,698            | 25%                      | 11,302              |
| 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>-</b>       | <b>-</b>       | <b>39,561</b>    | <b>4%</b>                | <b>992,313</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>257,969</b> | <b>257,969</b> | <b>992,313</b>   |                          |                     |
| <b>% Variance</b>  |                  | <b>86%</b>     | <b>99%</b>     | <b>100%</b>    | <b>100%</b>    |                  |                          |                     |



## ZONE 3 Lopez Project

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San Luis Obispo County Flood Control and Water Conservation District

**TO:** Zone 3 Advisory Committee  
**FROM:** David Spiegel, PE  
**DATE:** March 11, 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 (No Change)
  - The Consultant Yeh and Associates has been contracted to do the geotechnical work on the dam
  - The permit application has been submitted to DSOD
  - DSOD requesting additional Geotech testing which will increase costs
  - Preparing report on alternatives
- Fault Zone Risk Assessment for Dam Left Abutment (No Change)
  - Received one quote at \$39,000.
- Lopez WTP Safety Upgrades (No Change)
  - Determining options for membrane building safety upgrades
- Domestic Tank Repairs ~\$15,000
  - Should be completed by end of April
- Cathodic Protection Survey
  - Final Cathodic Protection Report completed
  - Develop scope/estimates/quotes for repairs
- Equipment Storage Building (No Change)
  - Scoping new location
  - One quote received, ~\$69,000.00 for the building



## ZONE 3 Lopez Project

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San Luis Obispo County Flood Control and Water Conservation District

### Upcoming Projects:

- Terminal Dam Monument Survey
- Ammonia Analyzer #2
- 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: March 19, 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 1841-acre feet (AF) or as amended after actual end of water year accounting is completed.

**DISCUSSION**

***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 1841 AF as shown in the table below.

**Table: Zone 3 2019-20 Estimated Surplus Water (as of Feb 29, 2020)**

| Contractor          | Entitlement Acre-Ft (AF) | Entitlement Delivered AF | Surplus Generated (Unused Entitlement) | Entitlement % | Surplus Available | Cost per AF | Total Cost         |
|---------------------|--------------------------|--------------------------|--|---------------|-------------------|-------------|--------------------|
|                     |                          |                          |  |               | % (x 1841)        |             |                    |
| Arroyo Grande       | 2290                     | 2107                     | 183                                    | 50.55%        | 931               | \$38.29     | \$35,634.62        |
| Pismo Beach         | 892                      | 892                      | 0                                      | 19.69%        | 363               | \$38.29     | \$13,880.23        |
| Grover Beach        | 800                      | 780                      | 20                                     | 17.66%        | 325               | \$38.29     | \$12,449.21        |
| Oceano CSD          | 303                      | 303                      | 0                                      | 6.69%         | 123               | \$38.29     | \$4,716.04         |
| CSA 12 (Avila)      | 245                      | 82                       | 163                                    | 5.41%         | 100               | \$38.29     | \$3,813.71         |
| <b>Sub Totals</b>   | <b>4530</b>              | <b>4164</b>              | <b>366</b>                             | <b>100%</b>   | <b>1841</b>       |             | <b>\$70,493.80</b> |
| Downstream Releases | 4200                     | 2725                     | 1475                                   |               |                   |             |                    |
| <b>Total</b>        | <b>8730</b>              | <b>6889</b>              | <b>1841</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. The contracts provide that surplus water be offered at the cost of treatment and delivery only (not including capital costs of the system). This year's surplus water cost was calculated based on estimates of the cost to treat and deliver water in Lopez water year 20/21 and is offered at \$38.29 per acre foot. Agencies request a quantity of their available share of surplus water in June and must pay for the requested surplus water whether they use it or not. If there is remaining surplus water that an agency has not requested, then it is re-offered to the Contractors should anyone want additional water. All revenues from the sales of surplus water are proportionately credited back to the Zone 3 agencies.