MEMORANDUM

TO: CITY COUNCIL

FROM: BILL ROBESON, PUBLIC WORKS DIRECTOR

BY: SHANE TAYLOR, UTILITIES MANAGER

SUBJECT: MONTHLY WATER SUPPLY AND DEMAND UPDATE AND PRESENTATION

DATE: FEBRUARY 27, 2018

SUMMARY OF ACTION:
The update reports the water supply and demand for January 2018. Current Lopez Reservoir level and projected levels are provided in the attachments.

IMPACT ON FINANCIAL AND PERSONNEL RESOURCES:
Approximately two (2) hours of staff time is required to prepare the report.

RECOMMENDATION:
It is recommended the City Council receive a presentation and file the Monthly Water Supply and Demand Report.

BACKGROUND:
On April 25, 2017, the City Council, by resolution, rescinded the Stage 1 Water Shortage Emergency and related water conservation measures and restrictions. During the public hearing, the City Council requested staff to continue preparing the monthly water supply and demand updates. The Council also urged citizens to remain cognizant of how they use water, and stated that the previously adopted water saving measures are still in effect.

In January 2018, the City’s water use was 12% below 2013. The State’s previously mandated water use reduction was based on the 2013 water usage. There is currently no required reduction imposed by the State Water Resources Control Board. The City however, is still required to report monthly statistics to the State. As a comparison for the recent month, water usage was 27% higher in 2018 than 2017. The Per Capita use was 91 gallons per day per person.

ANALYSIS OF ISSUES:
The United States Department of Agriculture (USDA) Drought Monitor, as of February 6, 2018, shows San Luis Obispo County in a moderate to severe drought. Rain fall to date
(July 1, 2017 to February 14, 2018) is 3.1 inches at the Corporation Yard gauge. Lopez Lake, as of February 14, 2018, is at 50.5% capacity (24,953 acre-feet of storage).

At the County of San Luis Obispo Board of Supervisors meeting on May 23, 2017, the Board rescinded the drought emergency proclamation. However, as recommended by Zone 3 Advisory Board, the Board of Supervisors kept the Low Reservoir Response Plan in place. This will allow carryover water to be available until March 30, 2018 to all contractors. The new water year began on April 1, 2017 and the current total available supply from Lopez is 2,290 acre-feet, our normal entitlement, plus 1,249 acre-feet of carryover. In addition, we have 1,323 acre-feet of ground water entitlement from the Santa Maria Basin and 200 acre-feet from the Pismo Formation.

Based on the projected water use of 2,500 acre-feet, we will meet the demand in water year 2017/18, using only 50% of current supply.

ADVANTAGES:
No advantages noted at this time.

DISADVANTAGES:
No disadvantages noted at this time.

ALTERNATIVES:
Not applicable at this time.

ENVIRONMENTAL REVIEW:
No environmental review is required for this item.

PUBLIC NOTIFICATION AND COMMENTS:
The Agenda was posted at City Hall and on the City’s website in accordance with Government Code Section 54954.2.

Attachments:

1. Lopez Reservoir Storage Projections
3. PowerPoint Presentation
Note: Storage Projection is based on Water Years 14/15 and 15/16 municipal and downstream releases, rainfall, and evaporation.
San Luis Obispo County Flood Control and Water District  
Zone 3 - Lopez Project - Monthly Operations Report  
January, 2018

### Lopez Water Deliveries

<table>
<thead>
<tr>
<th>Contractor</th>
<th>Entitlement This Month</th>
<th>April to Present Total</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>Usage %</td>
<td>Surplus %</td>
</tr>
<tr>
<td>Arroyo Grande</td>
<td>151.48%</td>
<td>6.09%</td>
</tr>
<tr>
<td>Oceano CSD</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Grover Beach</td>
<td>62.49%</td>
<td>7.8%</td>
</tr>
<tr>
<td>Pismo Beach</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>CSA 12</td>
<td>79.65%</td>
<td>12.9%</td>
</tr>
<tr>
<td>San Miguelito</td>
<td>27.35%</td>
<td>18.7%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>211.83%</td>
<td>4.8%</td>
</tr>
</tbody>
</table>

### State Water Deliveries

<table>
<thead>
<tr>
<th>This Month</th>
<th>April to Present Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Entitlement</td>
<td>Usage %</td>
</tr>
<tr>
<td>Arroyo Grande</td>
<td>227.00%</td>
</tr>
<tr>
<td>Oceano CSD</td>
<td>1120.00%</td>
</tr>
<tr>
<td>Grover Beach</td>
<td>27.00%</td>
</tr>
<tr>
<td>Pismo Beach</td>
<td>127.00%</td>
</tr>
<tr>
<td>CSA 12</td>
<td>1901.00%</td>
</tr>
<tr>
<td>San Miguelito</td>
<td>0.00%</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>1146.41%</td>
</tr>
</tbody>
</table>

### Lopez Entitlement + Surplus Water Usage

**Note:** Deliveries are in acre feet. One acre foot = 325, 850 gallons or 43, 560 cubic feet. Safe yield is 8,730 acre feet.

### January to Present State Water Usage

**Year to Date** is January to present for State water, April to present for Lopez deliveries, and July to present for rainfall.

### Comments
- Reservoir is currently operated under the Low Reserve Response Plan. Reserve is above 20,000 AF therefore no reduction in entitlements.
- Surplus water shown is actually "Clayey Over" water as designated in the LRRP and updated per BOS May 2, 2017 Declaration of Surplus.
- 1) Oceano supplied State Water to Canyon Crest via Arroyo Grande's Eides turn out. A total of 1.55 AF delivered to Canyon Crest was added to Oceano's State Water usage this month and 1.55 AF was subtracted from Arroyo Grande's usage this month.

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**Thursday, February 8, 2018**

Data entered by: D. Spiegler

Report printed by: Admin

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