



MEMORANDUM

TO: City Council

FROM: Steve Kahn, Interim Public Works Director

BY: Shane Taylor, Utilities Manager

SUBJECT: Monthly Water Supply & Demand Update

DATE: August 22, 2023

SUMMARY OF ACTION:

The update reports the City's total water supply and demand for July 2023. 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:

Receive and file the Monthly Water Supply and Demand Update.

BACKGROUND:

On March 28, 2023, the City Council adopted a Resolution rescinding the declaration of a State 1 Water Shortage Emergency and related water shortage restrictions and penalties.

The City of Arroyo Grande's water entitlements are calculated on a water year that begins April 1st. The current water supply for water year 2023/2024 includes 2,290 Acre Feet from Lopez Reservoir, 1,323 Acre Feet of groundwater entitlement from the Santa Maria River Groundwater Basin, and 160 Acre Feet from the City's wells that draw from the Pismo formation.

The predicted water use for 2023/2024 water year is 2,200 Acre Feet.

In July 2023, the City's water use was 208.4 Acre Feet with a per capita use of 122 gallons per day/per person. The residential per capita use was 94 gallons per day/per person. There was a total of 0 inches of rainfall in the City in July 2023.

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The rainfall total at the City Corporation Yard gauge for the season of 2023/2024 is 0 inches.

ANALYSIS OF ISSUES:

The United States Drought Monitor, as of August 10, 2023, shows San Luis Obispo County is not in a drought. Rainfall for the period of July 1, 2023, through July 31, 2023, is 0 inches at the Corporation Yard rain gauge. Lopez Lake is at 98.6% as of August 10, 2023.

The 2022/2023 water year ended on March 31, 2023. Lopez Lake began a continuous spill on March 23, 2023, and stopped spilling as of June 21, 2023. As of June 20, 2023, 14,457 Acre Feet had spilled from Lopez Lake.

During a spill, all deliveries are waived and not charged towards contract entitlement. The City has 405 Acre Feet of entitlement credit due to the spill.

The deep well index for the third quarter of 2023 was completed on July 6, 2023, and is 11.57 feet above sea level, which is 4.7 feet above the threshold value. The current deep well index is 0.66 feet lower than April 2023, and 6.23 feet higher than July 2022.

ALTERNATIVES:

The following alternatives are provided for the Council's consideration:

1. Receive and file the report, or
2. Provide other directions to staff.

ADVANTAGES:

The report provides the City Council and the public with the current and projected conditions of our water supply and demand.

DISADVANTAGES:

No disadvantages noted 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. Monthly Operations Report
2. Lopez Reservoir Storage Projection
3. Yearly Water Use Supply & Demand
4. NCMA Deep Well Index

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