



MEMORANDUM

TO: City Council

FROM: Bill Robeson, Assistant City Manager/Public Works Director

BY: Shane Taylor, Utilities Manager

SUBJECT: Monthly Water Supply and Demand Update

DATE: July 23, 2024

RECOMMENDATION:

Receive and file the Monthly Water Supply and Demand Update

IMPACT ON FINANCIAL AND PERSONNEL RESOURCES:

Approximately two (2) hours of staff time is required to prepare the report.

BACKGROUND:

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 2024/2025 includes 2,290 Acre Feet from Lopez Reservoir, the current modeled, safe yield is 357-Acre Feet of groundwater from the Santa Maria River Groundwater Basin, with an entitlement of 1323 Acre Feet. An additional 160 Acre Feet of groundwater is available from the Pismo formation.

The predicted water use for 2024/2025 water year is 2,100 Acre Feet.

In June 2024, the City's water use was 205.5 Acre Feet with a per capita use of 124 gallons per day/per person. The residential per capita use was 96 gallons per day/per person. There was a total of 0.0 inches of rainfall in the City in June 2024.

Attachment 3 shows current monthly water use as compared to the previous year's month. Staff has provided a "Commercial Usage Portion of Production" as an additional information point.

ANALYSIS OF ISSUES:

The United States Drought Monitor, as of July 12, 2024, shows San Luis Obispo County is not in a drought. Rainfall for the period of July 1, 2023, through June 30, 2024, is 18.40 inches at the Corporation Yard rain gauge. The last two years have provided 50 inches

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of rainfall. Lopez Lake is at 98.5% capacity as of July 12, 2024. Lopez Lake stopped spilling on June 16, 2024.

The deep well index for the second quarter of 2024 was completed on April 17, 2024, and is 13.81 feet above sea level, which is 6.31 feet above the threshold value. The current deep well index is 1.48 feet higher than January 2024, and 1.58 feet higher than April 2023.

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.

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 for June
2. Lopez Reservoir Storage Projection for June
3. Monthly Water Use Comparison for June
4. Deep Well Index Levels