



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: September 24, 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 1,323 Acre Feet. An additional 160 Acre Feet of groundwater is available from the Pismo formation.

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

As shown in Attachment 3, the monthly water use for the City in August 2024, was 201.3 Acre Feet, compared to the previous 5-year average of 213.5 Acre Feet. This demonstrates that water conservation is occurring. The per capita monthly water use for August 2024 is 118 gallons per day/per person. The residential per capita use was 91 gallons per day/per person. There was a total of 0.0 inches of rainfall in the City in August 2024.

Attachment 3 shows current monthly water use as compared to the previous five-year average for the month. Staff has provided a "Commercial Usage Portion of Production as an additional information point highlighting conservation effort.

Item 9.g.

**City Council
Monthly Water Supply and Demand Update
September 24, 2024
Page 2**

ANALYSIS OF ISSUES:

The United States Drought Monitor, as of September 13, 2024, shows San Luis Obispo County is not in a drought. Rainfall for the period of July 1, 2024, through September 13th, 2024, is 0.0 inches at the Corporation Yard rain gauge. Lopez Lake is at 94.9% capacity as of September 13, 2024.

The deep well index for the third quarter of 2024 was completed on July 3, 2024, and is 11.57 feet above sea level, which is 4.07 feet above the threshold value. The current deep well index is 0.66 feet lower than April 2024, and 6.23 feet higher than July 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 August
2. Lopez Reservoir Storage Projection for August
3. Monthly Water Use Comparison for August
4. Deep Well Index Levels for 3rd Quarter