



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: November 26, 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.

The monthly water use for the City in October 2024 was 194.3 Acre Feet. Attachment 3 has been revised to show the comparison of the previous year's use. November 2022 through October 2023 vs. the current years use, November 2023 through October 2024. The increase is directly related to rainfall totals over the two years.

The per capita monthly water use for October 2024 is 114 gallons per day/per person. The residential per capita use was 89 gallons per day/per person. There was a total of 0.0 inches of rainfall in the City in October 2024.

ANALYSIS OF ISSUES:

The United States Drought Monitor, as of November 12, 2024, shows San Luis Obispo County is not in a drought. Rainfall for the period of July 1, 2024, through November 12, 2024, is 0.11 inches at the Corporation Yard rain gauge. Lopez Lake is 92% capacity as of November 12, 2024.

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The deep well index for the fourth quarter of 2024 was completed on October 15, 2024, and is 11.51 feet above sea level, which is 4.01 feet above the threshold valve. The current deep well index is 0.24 feet lower than July 2024, and 0.56 feet higher than October 2023.

ALTERNATIVES:

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

1. Receive and file the report, or
2. Provide other directions for 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 October
2. Lopez Reservoir Storage Projection
3. Previous Year Water Use Comparison
4. Deep Well Index Levels for 4th Quarter