



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: April 26, 2022

SUMMARY OF ACTION:

The update reports the City's total water supply and demand for March, 2022. 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 Report.

BACKGROUND:

On October 12, 2021, the City Council adopted a Resolution declaring a Stage 1 Water Shortage Emergency, and implementing emergency water conservation measures and restrictions as a result of the extreme drought conditions.

In March, the City's water use was 176.7 acre-feet with a per capita use of 105 gallons per day/per person. There was a total of 0.75 inches of rainfall in the City in March, 2022.

ANALYSIS OF ISSUES:

The United States Drought Monitor, as of April 11, 2022, shows San Luis Obispo County in a severe drought. Rainfall to date for the period July 1, 2021, through March 31, 2022, is 8.08 inches at the Corporation Yard rain gauge. Lopez Lake, as of April 11, 2022, is at 28.9% capacity (14,279).

The new water year began on April 1, 2021, and the City's annual Lopez contract supply was 2,290 acre-feet. On August 24, 2021, the San Luis Obispo County Board of Supervisors (Board) enacted the Low Reservoir Response Plan (LRRP) for Lopez Lake. On September 8, 2021, the Zone III Technical Advisory Committee endorsed the action

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of reducing contract deliveries by 10%. The City began reducing the flow of Lopez Lake deliveries on September 15, 2021, to 1.9 million gallons per day, compared to the normal flow of 2.2 million gallons per day. In addition, the City has 1,323 acre-feet of ground water entitlement from the Santa Maria Basin, and wells within the Pismo Formation that produce approximately 160 acre-feet per year. The second quarter monitoring for the Santa Maria Basin sentry wells was completed on April 5, 2022. The deep well index was 7.98 feet above sea level, which is 0.48 feet higher than the deep well index threshold value of 7.5 feet and 1.08 feet lower than the index value one year ago. The rainfall in December 2021 did raise Lopez Lake from 28% to 30% full, however the LRRP remains in effect, along with Stage 1 water shortage emergency mandatory reductions. The water use for the City of Arroyo Grande for water year 2021/2022, which ended March 31, 2022, was 2,280 with a per capita use of 115 gallons per day/person.

ALTERNATIVES:

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

1. Receive and file the report; or
2. Provide other direction to staff.

ADVANTAGES:

This 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. Lopez Monthly Operations Report for March, 2022
2. Lopez Reservoir Storage Projection
3. Monthly Water Use Comparison
4. Monthly Monitoring Report for March, 2022