



CITY OF SIGNAL HILL

2175 Cherry Avenue • Signal
Hill, California 90755-3799

STAFF REPORT

1/23/2024

AGENDA ITEM

**TO: HONORABLE MAYOR
AND MEMBERS OF THE CITY COUNCIL**

**FROM: CARLO TOMAINO
CITY MANAGER**

**BY: THOMAS BEKELE
PUBLIC WORKS DIRECTOR**

**SUBJECT: FIRST AMENDMENT TO THE GENERAL SERVICES AGREEMENT WITH D&H
WATER SYSTEMS FOR THE INSTALLATION OF A DISINFECTION STATION AT
TEMPLE RESERVOIR**

Summary:

The City Council will consider amending a General Services Agreement with D&H Water Systems, increasing the agreement amount from \$171,890 to \$272,500 and extending the project completion date to November 30, 2024. This amendment results from the expanded scope of work following additional plan check comments, permit amendment conditions, and a Sanitary Survey conducted by the State Water Resources Control Board's Division of Drinking Water. Approval of this amendment would facilitate the effective implementation of the required disinfection system at Temple Reservoir.

Strategic Plan Goal(s):

Goal No. 4 Infrastructure: Maintain and improve the City's physical infrastructure, water system, and recreational spaces.

Goal No. 5 High Functioning Government: Strengthen internal communication, recruitment, retention, systems, and processes to increase the effectiveness and efficiency of City services.

Recommendations:

1. Authorize the City Manager to execute the first amendment to a General Services Agreement with D&H Water Systems for the construction of a Disinfection Station at Temple Reservoir thereby increasing the compensation by \$100,610 for a total not-to-exceed contract amount of \$272,500, in a form approved by the City Attorney.

2. Authorize the Director of Public Works to utilize a project contingency of up to 10% (\$27,250) to accommodate additional scope of work in the event of changed or unforeseen conditions, for a total construction budget of \$299,750.

3. Adopt a resolution entitled:

A RESOLUTION OF THE CITY COUNCIL OF THE CITY OF SIGNAL HILL, CALIFORNIA
AMENDING THE ADOPTED BUDGET AND AUTHORIZING BUDGET APPROPRIATIONS
FOR FISCAL YEAR 2023-24

Fiscal Impact:

The City recently completed the Well No. 10 Construction Project (Project 95.18011, Account No. 500-40-5840), which came in under budget. Staff recommends reappropriating a portion of these funds towards the Temple Reservoir Disinfection project in the amount of \$299,750.

Background and Analysis:

The City incorporates chloramination at Gundry Reservoir as part of its water treatment system. The treated water is distributed to the Temple and Hilltop Reservoirs. In 2022, the State Water Resource Control Board (SWRCB) identified two instances of insufficient chlorine levels in water samples from Temple Reservoir; water quality testing performed by a certified laboratory concluded that no harmful bacteria were detected. The cause for low chlorine levels was identified by SWRCB and the City as low circulation due to conservation efforts that were implemented at the time. On January 28, 2023, the City discussed with SWRCB on a plan to update its Disinfection Treatment Performance Standards. The City in collaboration with AKM Engineering Incorporated, the City's on-call Water Engineering Consultant, developed a plan for a new disinfection station design to address these issues.

On May 9, 2023, the City Council approved a General Services Agreement with D&H Water Systems for the procurement and installation of a disinfection system at Temple Reservoir. The City followed the Emergency Procurement Policies stipulated in the Signal Hill Municipal Code. Subsequent to the City Council's approval, staff has been collaborating with Division of Drinking Water (DDW) to secure the necessary permits for this project.

To achieve optimal water treatment, DDW conducted several plan checks and a site-specific sanitary survey, which resulted in the need to implement additional control and disinfection measures; these measures led to a significant expansion of the project scope. DDW completed its review which now requires installation of three additional sampling stations, bringing the total to four sampling stations within the Temple Reservoir system. These stations are strategically placed throughout Temple Reservoir site: one at the reservoir's inlet, two within the reservoir itself, and one at the outlet. Sampling of the water is automatically conducted, and the quality of water is analyzed using a water quality analyzer and a control panel. The analysis determines the precise chemistry of the water on-site and calculates the appropriate dosage of disinfectants. The system automatically adjusts the disinfectant dosage at both the inlet and outlet pipes based on real-time data.

DDW completed its review and conditionally approved the current plans, subject to administrative

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requirements such as California Environmental Quality Act filings and periodic project reporting.

Staff thoroughly reviewed the proposed cost and schedule changes and is requesting City Council approval for the City Manager to execute the proposed First Amendment to the Agreement with D&H Water Systems. Approval of this amendment would facilitate the effective implementation of the required disinfection system at Temple Reservoir.

Reviewed for Fiscal Impact:

Sharon del Rosario

Attachment(s):

- A. Amendment No. 1 to General Services Agreement
- B. Budget Reclassification Resolution