



# COUNCIL REPORT

**DATE:** June 25, 2024

**CATEGORY:** Consent

**DEPT.:** Public Works

**TITLE:** **Miramonte Reservoir Site Improvements,  
Project 24-41—Professional Services  
Agreement**

## **RECOMMENDATION**

1. Transfer and appropriate \$197,000 from Water System Improvements and Recycled Water System Improvements, Project 21-04, and \$300,000 from Water System Improvements and Recycled Water System Improvements, Project 24-06, to Miramonte Reservoir Site Improvements, Project 24-41. (Five votes required)
2. Authorize the City Manager or designee to execute a professional services agreement with HydroScience Engineers, Inc., a California corporation (Business Entity No. 2063417), to provide design services for Miramonte Reservoir Site Improvements, Project 24-41, in a not-to-exceed amount of \$634,000.

## **BACKGROUND**

The Miramonte Reservoir site, located at 1130 Miramonte Avenue, was acquired by the City in the 1940s for water storage and has two reservoirs serving the City of Mountain View. The first reservoir was built in 1945, and the second reservoir was constructed in 2006. The rectangular site containing the reservoirs is surrounded by the City of Los Altos but falls within the jurisdiction of the City of Mountain View (see Figure 1).



**Figure 1: Miramonte Reservoirs Site**

Since 2000, the City has conducted several studies of the Miramonte Reservoirs. These investigations included two seismic risk assessments for Reservoir 1 in 2000 and 2007, the 2020 Water Master Plan, the 2023 Miramonte Reservoir Inspection report, and the 2023 Miramonte Reservoir 2 Conduit Damage and Mitigation report.

The 2007 seismic risk assessment for Miramonte Reservoir 1 revealed deficiencies in the reservoir’s roof structure and highlighted the need for improvements. The 2020 Water Master Plan reviewed the previous seismic studies and reaffirmed the need for these improvements for Miramonte Reservoir 1.

On [June 27, 2023](#), Council established Miramonte Reservoir Site Improvements, Project 24-41, as part of the Fiscal Year 2023-24 Capital Improvement Program for the design phase of the roof improvements at Reservoir 1. However, during a recent shutdown of Miramonte Reservoirs 1 and 2 for routine maintenance and cleaning, third-party inspectors identified additional items to be addressed for the reservoirs’ functionality (corrosion within Reservoir 1 and degraded sealants in Reservoir 2), structural integrity, and compliance with current structural codes and health and safety requirements.

## **ANALYSIS**

In April 2024, the City issued a Request for Proposals (RFP) for design services and received proposals from two firms. A selection committee of Public Works staff evaluated the proposals and reviewed the qualifications and understanding of the project. The committee selected HydroScience Engineers, Inc. (HydroScience), as the most qualified firm based on their written proposal, experience in completing similar projects, and understanding of project goals.

The main elements of the scope of work include:

- Conduct site surveys and investigation, data collection, and design analysis;
- Evaluate general site improvements to improve drainage and site access;
- Evaluate and address the seismically deficient roof and select columns within Reservoir 1;
- Evaluate and address electrical conduits and wiring at Reservoir 2; and
- Prepare construction bid documents.

The recommended fee of \$640,000 for services and contingency is consistent for such services, and staff considers the fee to be fair and reasonable for the scope of work required. If the recommendation is approved, HydroScience can begin design in September 2024 with an estimated completion in spring 2025.

## **FISCAL IMPACT**

Miramonte Reservoir Improvements, Project 24-41, is funded with \$200,000 from the Water Fund.

The project design costs are shown in Table 1.

**Table 1: Project Design Costs, Project 24-41**

Design Consultant Services	\$634,000
Project Management	15,000
Miscellaneous Costs	<u>5,000</u>
 Subtotal	 \$654,000
City Administration	<u>43,000</u>
 <b>TOTAL DESIGN COST</b>	 <b><u>\$697,000</u></b>
 PROJECT BUDGET	 <u>\$200,000</u>
 <b>PROJECT SHORTFALL</b>	 <b>\$497,000</b>

The project shortfall is due to additional unforeseen improvements needed beyond the original scope of work for the roof structure at Reservoir 1. An increase in appropriations of \$497,000 is requested to fund the design of several improvements needed at the Miramonte Reservoir site.

Staff recommends transferring and appropriating \$197,000 from Water System Improvements and Recycled Water System Improvements, Project 21-04, and \$300,000 from the Water System Improvements and Recycled Water System Improvements, Project 24-06, to Miramonte Reservoir Site Improvements, Project 24-41. Projects 21-04 and 24-06 are funded from the Water Fund and reallocating a portion of their funding to Project 24-41 will not adversely affect their on-going project activities which are completing soon. Should the recommended actions be approved, all three projects would be funded from the Water Fund in the amounts shown in Table 2.

**Table 2: Projects Funding**

Water Fund	Project 21-04	Project 24-06	Project 24-41
<b>Current Appropriation</b>	\$654,000	\$748,000	\$200,000
<b>Recommended Transfer</b>	-197,000	-300,000	+497,000
<b>New Project Total</b>	\$457,000	\$448,000	\$697,000

The fee for the recommended agreement is \$575,830 for basic services and reimbursable expenses, and a contingency of \$58,170 for additional services, for a total not-to-exceed amount

of \$634,000. With Council’s approval to transfer total funding of \$497,000 from Projects 21-04 and 24-06, there will be sufficient funding in Project 24-41 for the consultant agreement and other project costs.

**ALTERNATIVES**

1. Do not authorize the appropriation of \$197,000 from Project 21-04 and \$300,000 from Project 24-06 and direct staff to use other funding sources for the professional services agreement with HydroScience.
2. Do not authorize the recommended professional services agreement and direct staff to reissue the RFP.
3. Provide other direction.

**PUBLIC NOTICING**—Agenda posting.

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File (Project 24-41)