LIVERMORE
CALIFORNIA

CITY COUNCIL STAFF REPORT **ITEM NO. 6.2**

DATE: September 14, 2026

TO: Honorable Mayor and City Council

FROM: Brent Smith, Community Development Director

SUBJECT: Resolution authorizing the acceptance for permanent maintenance, release of security, and execution of Notice of Completion for the Water Reclamation Plant (WRP) UV Treatment System Replacement Project WW202128.

RECOMMENDED ACTION

Staff recommends the City Council adopt a resolution authorizing the acceptance for permanent maintenance, release of security, and authorizing the City Manager to sign the Notice of Completion for the Water Reclamation Plant (WRP) UV Treatment System Replacement Project WW202128.

SUMMARY

On April 15, 2024, City Council awarded a construction contract for the Water Reclamation Plant (WRP) UV Treatment System Replacement Project WW202128 to Mountain Cascade, Inc. The contract was substantially completed on April 27, 2026, and reached final completion on June 16, 2026. The contract can now be accepted for permanent maintenance. The process to release the contractor's bonds can begin.

DISCUSSION

The Livermore Water Reclamation Plant (WRP) produces an average of two million gallons per day of recycled water from wastewater for irrigation, fire suppression, toilet flushing, construction, and industrial operations. This water recycling allows the City to reduce annual potable water use by over 25 percent. The WRP had been using the current UV disinfection system for two decades as the primary means to disinfect recycled water. The location of the UV disinfection system within the WRP is shown on Attachment 1.

The 2012 WRP Master Plan and the 2016 WRP Recycled Water System Asset Management Plan identified the existing UV disinfection system as aging infrastructure within the WRP. The system had become outdated and did not fully function as originally intended. This included failure of the automated lamp cleaning system, a limited supply of spare parts, and an outdated control system. The project replaced the existing UV lamp modules and associated electrical, instrumentation, and control components. Replacing aged equipment increased the efficiency and reliability of WRP operations by

utilizing the latest available technologies to lower both energy consumption and ongoing maintenance costs. Structural rehabilitation also extended the useful life of related structures. The new system is fully operational beginning mid-June 2026.The Project was completed in accordance with the contract documents in a manner acceptable to the City Engineer.

At time of award, the contractor provided a faithful performance bond guaranteeing completion of the Project, and that bond must now be released. Six months after the date of the resolution accepting the Project, the labor and materials bond guaranteeing the improvements should be reduced to an amount equal to any claims filed and of which notice has been given. The balance of the bond will be released upon the settlement of all claims and obligations for which the security was given (there are no known claims at this time). The security for the guarantee and warranty of the work shall remain in effect for one year from the date of the resolution.

FISCAL AND ADMINISTRATIVE IMPACTS

The original construction contract amount was $5,852,500. The contingency budget for change orders was 10% of the amount or $200,000, whichever is greater, per Municipal Code 2.68.590B. The final contract amount including eleven (11) change orders was $6,022,834. The total value of change orders was $170,064 (2.9%), which consisted primarily of upgrading materials, additional electrical switchgear components, realignment of UV piping equipment, and upgrading decking from galvanized to aluminum for improved access. Funding for the project was included in the FY 2025-30 5-year Capital Improvement Plan which included funding from Fund 622 (Wastewater Replacement), Fund 623 (Wastewater Connection Fees), and Fund 642 (Water Replacement). The budget covered the cost for this construction contract, change orders, construction management, materials testing, inspection, and administration. No additional appropriations are required. Annual operations and maintenance costs for new equipment are estimated at $350,000 per year. Operations and Maintenance (O&M) costs will be funded from the Wastewater operating budget Fund 620. These O&M costs will be less than previous O&M costs due to energy savings and reduced maintenance.

COMMUNITY PILLAR

1: A Safe Community That Thrives

GOAL

11: Operate and maintain municipal water systems that provide safe, efficient delivery of potable and recycled water, collect and treat wastewater, and comply with all federal, state, and local regulations.

ATTACHMENTS

1. Location Map
2. Resolution
3. Exhibit A - Notice of Completion

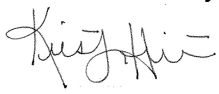
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City Manager

Fiscal Review by:



Kristen Hilton
Acting Administrative Services Director