

RESOLUTION 2023-0230

Adopted by the Sacramento City Council

June 27, 2023

Sump 55 Variable Frequency Drive (VFD) Pump Controller Replacement

BACKGROUND

- A. Sump 55 is a sewage facility that is owned by the Sacramento Regional County Sanitation District and operated by the Department of Utilities. The facility was constructed in 1959 and modified in 1977. The existing station was demolished, and a new sump station was constructed in 2002. This facility contains four submersible 90hp, 480VAC three-phase motors/pumps. Each pump has a flow capacity of 3.6MGD. The VFD is used to control the speed of pump, so the pump output matches the inflow into the sump. Each VFD has bypass controls in case of a VFD failure.

The existing VFDs and associated components have either failed and/or needed numerous repairs in the past. These units are obsolete and replacement parts are nonexistent as they are no longer supported by the manufacturer, so replacement is the only option.

- B. Siemens is the only company that will retrofit the existing enclosures with a new VFD and reuse the existing components. This significantly reduces the cost to install new VFDs. The existing components within each enclosure are readily available and can be maintained. Other manufacturers wanted to replace the entire VFD, associated components, and enclosures.
- C. City staff has transferred funds in the amount of \$222,979 into the Facility Electrical Rehab Program (X14131500, Fund 6206).
- D. A budget augmentation of \$47,021 into the Facilities Elec Rehab Program (X14131500, Fund 6206) is required to provide sufficient funds for the Sump 55 VFD Replacement Project to accommodate the additional work necessary to complete this project. The costs incurred for this project will be reimbursed by Sacramento County Regional Sanitation District as the owners of the asset.

BASED ON THE FACTS SET FORTH IN THE BACKGROUND, THE CITY COUNCIL RESOLVES AS FOLLOWS:

SECTION 1.

Suspending competitive bidding for the Sump 55 Variable Frequency Drive Pump Controller Replacement is in the best interest of the City.

SECTION 2.

The City Manager, or the City Manager's designee, is authorized to execute an agreement with Siemens Industry Inc. in an amount not-to-exceed \$229,992.

SECTION 3.

The City Manager or the City Manager's designee is authorized to increase the revenue and expenditure budgets in the Facilities Elec Rehab Program (X14131500, Fund 6206) in the amount \$47,021.


Adopted by the City of Sacramento City Council on June 27, 2023, by the following vote:

Ayes: Members Guerra, Jennings, Kaplan, Maple, Loloee, Talamantes, Valenzuela, Vang, and Mayor Steinberg

Noes: None

Abstain: None

Absent: None

Attest:  07/01/2023
Mindy Cuppy, City Clerk

The presence of an electronic signature certifies that the foregoing is a true and correct copy as approved by the Sacramento City Council.