



Eden Landing Pump Station Rehabilitation Project

Project Objective

The pump engines and associated equipment are over 40 years old and are at the end of their useful life. The engine block of one of the four pump engines cracked and is in need of replacement. However, due to the age of the pump engine, replacement parts are no longer available. In addition, continuing operations presents an increasing risk of failure of the remaining pump engines. The District will replace all four dual gas pump engines with efficient electric driven motors.

Project Description

The project in general, consists of replacement of four (4) dual gas engines and pump motors, including preparing, implementing and maintaining Water Pollution Control Plan; removing, salvaging pump and electrical parts, and disposing of all other engine components and associated appurtenances; disassembling the pump intake and impeller, inspection of operating components, performing needed rehabilitation or component replacement to restore design tolerances including cleaning and spot grit blasting to white metal, applying epoxy coating, and reassembling pumps; constructing reinforced concrete foundations, slabs, ramp and stairs; furnishing and installing a pre-fabricated building; furnishing and installing all associated mechanical and electrical components and appurtenances; and furnishing and installing electric drivers and associated equipment.

Sustainability

The improvements involve installation of four efficient electric driven motors which provide long service life and require minimal annual maintenance effort.

Project Schedule

- Construction is anticipated to begin May 21, 2012.
- Construction hours: 7:00 AM to 7:00 PM, Mondays thru Sundays. No work on legal holidays.
- Estimated duration: 265 Calendar Days Total (165 calendar days in 2012; 100 calendar days in 2013)

Project Construction Cost: \$2,750,000

Project Funding Source: Flood Control Zone No. 3A Revenue

How to Reach Us

For additional information on this project, contact Moses Tsang at (510) 670-6549.