Industry
Municipal Government

Location
San Luis Obispo, CA

Contract Value
$13,999,644

Owner
City of San Luis Obispo

General Contractor
Southland Industries

Type of Work
Design-Build

Start Date
January 2020

End Date
March 2021

Square Footage
300,000

PROJECT PROFILE

CITY OF SAN LUIS OBISPO

Located approximately halfway between Los Angeles and San Francisco, San Luis Obispo was founded in 1772 and is one of California's oldest communities. Today, it is a vibrant small city of nearly 48,000 and its top employer is nearby California Polytechnic State University.

WORK PERFORMED

In partnership with PG&E through the Sustainable Solutions Turnkey (SST) program, Southland completed a design-build retrofit project to upgrade critical, aging, and inefficient water treatment systems to improve reliability, energy efficiency, and resilience at the City's water treatment plant which treats an average of 4.5 - 5 million gallons per day. This project reduced energy and operation costs, addressed replacement of obsolete critical equipment, and helped the City achieve its sustainability goals. ECMs implemented include ozone system replacement/upgrade, Transfer Pump Station VFD and controls upgrades, Plant Service Water pump system upgrade, and SCADA/controls system replacement/upgrade. Project highlights include:

Southland developed a turn-key program for the City that included project development, design engineering, project implementation, commissioning, energy measurement and verification services, project funding/financing, and incentive/grant procurement. This bundled approach significantly reduced the project's schedule, solved a funding shortfall, enabled the City to collaborate with the Southland team throughout the entire development and design process, and provided cost certainty.

PROJECT HIGHLIGHTS

- Replacement of aging and unreliable equipment and infrastructure for critical water treatment systems.
- Collaborative design-build delivery model that enabled the City to contribute throughout the development, design, and project delivery phases.
- Projected annual energy cost savings of $115,830 and net annual O&M savings of $11,230.
- 611,233 annual kWh savings (projected).