



Industry
Municipal Government

Location
Chico, CA

Contract Value
\$2,400,000

Owner
City of Chico

General Contractor
Southland Energy

Type of Work
Design-Build

Start Date
January 2021

End Date
September 2021

Square Footage
>215,000

PROJECT PROFILE

CITY OF CHICO

WORK PERFORMED

In partnership with Pacific Gas & Electric (PG&E) through the Sustainable Solutions Turnkey (SST) program, Southland completed a comprehensive energy and infrastructure retrofit project with a goal to significantly reduce energy and operational costs, address critical deferred maintenance backlog, and help the City achieve its sustainability goals and meet Climate Action Plan goals. The City secured a 0% interest OBF loan for \$2.1M of the \$2.4M project, which allowed the City to preserve \$325K of the \$875K capital allocation.

Measures include the installation of new variable speed blowers at wastewater treatment plant aeration ponds and integration with plant SCADA controls; BAS upgrade and expansion in City buildings; HVAC system upgrades across City buildings to more energy-efficient code compliant units.

In addition, we have started construction on a second project phase (\$9.9M) which includes the installation of 2.2 MW of solar capacity that will produce 3,500,000 kWh annually and will reduce the City's utility cost by \$660,000 per year (approximately 50% of the City's total utility spend). Additionally, since over half of the installed photovoltaic capacity will be at the City's wastewater treatment plant, the City will be able to add battery storage in the future which will provide much needed power resiliency for that critical facility.

Southland's phased approach creates a comprehensive energy program that prioritizes ECMs based on the biggest needs and best business case for the City.

PROJECT HIGHLIGHTS

- \$229,840 in annual savings.
- 959,687 annual kWh savings.
- 258 metric tons GHG reduction.