



CROWLEY HOSPITAL

Project Highlights

- **Project Name:** Crowley Hospital
- **Project Type:** Commercial Solar | Rooftop Solar
- **Project Location:** Lafayette, California, USA
- **Project Size:** 182 kW DC
- **Project Completion Date:** January 2025
- **PV Module Supplier:** Boviet Solar
- **Project Installer:** Energy Solutions and Supplies
- **Project Owner:** Crowley Hospital

Project Overview

The Crowley Hospital solar project is an 182 kW DC rooftop installation in Lafayette, California, developed and installed by Energy Solutions and Supplies and powered by Boviet Solar's top-performing PV modules. Fully grid-tied, the system delivers clean electricity for round-the-clock hospital operations, reducing utility purchases, hedging against rate volatility, and strengthening budget predictability across HVAC, medical/sterilization equipment, lighting, IT/network, refrigeration, and emergency services.

Economically, the system generates ~0.255 GWh (~255,000 kWh) annually, lowering operating expenses and stabilizing long-term energy costs. Socially, the project highlights sustainability leadership in healthcare and supports local clean-energy jobs. Environmentally, the project avoids about 77 metric tons of CO₂ per year—equivalent to removing roughly 17 gasoline-powered cars from the road or planting around 3,700 trees. It also saves approximately 31,000 gallons of water that would otherwise be used in fossil-fuel electricity production and displaces about 104 short tons of coal annually.

Economic Benefits

The system produces ~0.255 GWh (~255,000 kWh) annually, directly offsetting electricity use for critical hospital loads (HVAC/air handling, sterilization, labs, imaging support equipment, lighting, IT, refrigeration). This on-site generation cuts monthly utility spend, softens exposure to demand charges, and provides predictable, inflation-resistant energy pricing that supports multi-year budgeting. Construction and commissioning created local clean-energy jobs (electricians, installers, engineers, and site trades), and ongoing O&M sustains technician and monitoring roles. With modest maintenance (periodic inspections, inverter checks, and occasional module cleaning) and long product warranties, lifecycle costs remain low and predictable.

Social Benefits

The project demonstrates Crowley Hospital's commitment to patient-centered, environmentally responsible operations while supporting local workforce development. The visible adoption of solar strengthens community trust and can be featured in sustainability reporting, patient communications, and staff engagement initiatives, providing a replicable model for other healthcare facilities.

Environmental Benefits (Estimated)

By generating approximately 255,000 kWh per year, the Crowley Hospital solar system avoids about 77 metric tons of CO₂ annually—equivalent to removing roughly 17 gasoline-powered cars from the road or planting around 3,700 trees each year. The project also saves approximately 31,000 gallons of water that would otherwise be used in conventional power generation and displaces about 104 short tons of coal annually. Producing clean electricity at the point of use reduces transmission losses, lowers harmful pollutants such as NO_x, SO₂, and particulates, and improves local air quality while supporting California's clean-energy and climate goals.

BOVIET SOLAR

Boviet Solar Technology Co., Ltd. is a leading solar technology company founded in 2013 in Vietnam, specializing in the manufacturing of high-performance monocrystalline PV cells and premium Gamma Series™ monofacial and Vega Series™ bifacial PV modules. Our top-performing modules are engineered for a wide range of applications, including residential, commercial, industrial, community, and utility-scale solar projects.

Boviet Solar combines business acumen, financial strength, technological expertise, and manufacturing excellence to deliver reliable, high-efficiency solar solutions to industry clients worldwide. The company is deeply committed to sustainability, supply chain traceability, and compliance with international trade standards, while fostering long-term, trust-based partnerships across the global energy sector. Boviet Solar has earned industry-wide recognition for quality and reliability. The company has maintained a Tier 1 PV Module Manufacturer ranking by Bloomberg New Energy Finance (BNEF) since 2017, has been recognized as one of the Top 10 Most Bankable Global PV Module Manufacturers by Wood Mackenzie, and is ranked among the Top 10 Most Financially Reliable PV Module Manufacturers by Sinovoltaics. Boviet Solar's modules have also been consistently rated as Top Performers in Kiwa PVEL's PV Module Reliability Scorecard since 2019.

Headquartered in Vietnam, Boviet Solar operates manufacturing facilities in both Vietnam and the United States, with an annual production capacity of 3.0 GW for PV cells and modules. The company also maintains regional operations in the United States, Germany, and other key international markets. To learn more, visit www.bovietsolar.com.