



FIRST PRESBYTERIAN CHURCH

Project Highlights

- **Project Name:** First Presbyterian Church
- **Project Type:** Non- Profit Solar I Rooftop System
- **Project Location:** Berkeley, California, USA
- **Project Size:** 135 kW DC
- **Project Completion Date:** April 2024
- **PV Module Supplier:** Boviét Solar
- **Project Owner:** First Presbyterian Church of Berkeley
- **Project Developer:** Martin Morehouse, Sun Light & Power

First Presbyterian Church of Berkeley

The First Presbyterian Church of Berkeley is a vibrant faith community with a longstanding commitment to stewardship, social justice, and service to others. Located near the University of California, Berkeley, the church actively promotes sustainability and creation care through education, outreach, and operational practices. Its solar energy initiative reflects a deep sense of responsibility to protect the environment while strengthening the church's mission of compassion and community impact.

Project Overview

The First Presbyterian Church of Berkeley Solar Project is a 135 kW DC rooftop solar system developed by Martin Morehouse and Sun Light & Power, and powered by Boviet Solar's top-performing PV modules. The grid-tied system provides clean, reliable electricity directly to the church's facilities, reducing its reliance on utility-supplied power and advancing its long-term sustainability goals.

The solar installation produces approximately 200 MWh (200,000 kWh) of renewable electricity annually, offsetting a major portion of the church's energy use. Economically, it reduces electricity costs and stabilizes operational budgets. Socially, it demonstrates environmental leadership within the Berkeley community and reinforces the church's role as a model of responsible stewardship. Environmentally, it avoids around 80 metric tons of CO₂ emissions per year, equivalent to planting 3,600 trees, saving 27,000 gallons of water, or eliminating 85 short tons of coal annually.

Economic Benefits

Generating roughly 200 MWh of renewable electricity each year, the system lowers the church's annual utility costs, enabling it to allocate more resources to ministries, outreach programs, and community initiatives. The project also supported local labor, electrical contractors, and permitting professionals in California's clean-energy sector. Over a 25-year operational life, the system will generate more than 5 GWh of clean electricity, creating lasting financial and operational benefits.

Social Benefits

The First Presbyterian Church Solar Project reflects the congregation's faith-based dedication to environmental care and community well-being. The church's adoption of solar energy aligns with its mission of serving others and preserving the planet for future generations. The installation serves as both a visible and educational demonstration of sustainability, inspiring congregants, visitors, and partner organizations to take action toward renewable energy adoption and climate responsibility.

Environmental Benefits (Estimated)

By generating approximately 200 MWh of renewable electricity annually, the system avoids about 80 metric tons of CO₂ emissions each year, equivalent to planting 3,600 trees, saving 27,000 gallons of water, or displacing 85 short tons of coal. Over a 25-year operational life, the system will prevent more than 2,000 metric tons of CO₂ emissions, supporting California's clean-energy transition and contributing to a healthier, more sustainable community.

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.