



## BIG BROTHERS AND BIG SISTERS

### Project Highlights

- **Project Name:** Big Brothers Big Sisters Operations Center
- **Project Type:** Non-Profit Solar | Rooftop System
- **Project Location:** Santa Ana, California, USA
- **Project Size:** 206.55 kW DC
- **Project Completion Date:** May 2024
- **PV Module Supplier:** Boviet Solar
- **Project Installer:** Revel Energy
- **Project Owner:** Big Brothers Big Sisters of Orange County & Inland Empire

## Big Brothers Big Sisters of Orange County & Inland Empire

Big Brothers Big Sisters of Orange County & Inland Empire (BBBSOCIE) is one of the nation's largest youth mentoring organizations, dedicated to empowering children to reach their full potential through meaningful, long-term relationships. Driven by a mission of social impact and community service, the organization continues to innovate by adopting sustainable practices that reduce operational costs and reflect its commitment to future generations. The solar installation at its Operations Center marks a major step toward environmental responsibility and financial resilience.

### Project Overview

The Big Brothers Big Sisters Operations Center Solar Project is a 206.55 kW DC rooftop solar system developed and installed by Revel Energy and powered by Boviet Solar's top-performing PV modules. The grid-tied array provides renewable electricity to the organization's main administrative and program offices in Santa Ana, significantly reducing dependence on utility-supplied power.

The system generates approximately 310 MWh (310,000 kWh) of clean electricity annually, offsetting a substantial portion of the facility's energy consumption. Economically, it lowers operating expenses and stabilizes energy budgets, allowing more resources to be directed toward youth mentorship programs. Socially, it demonstrates environmental stewardship within the nonprofit community and provides an example of how mission-driven organizations can embrace clean energy. Environmentally, the system avoids around 125 metric tons of CO<sub>2</sub> emissions annually, equivalent to planting 5,600 trees, saving 42,000 gallons of water, or eliminating 135 short tons of coal each year.

### Economic Benefits

Producing approximately 310 MWh of renewable power each year, the solar system dramatically reduces the organization's energy costs, freeing budget capacity to enhance youth programs and expand community outreach. The project also supports California's clean-energy economy through local engineering, permitting, and installation jobs. Over a 25-year operational lifespan, the system will generate over 7.7 GWh of renewable energy, providing decades of measurable financial savings and mission-aligned sustainability impact.

### Social Benefits

The Big Brothers Big Sisters Solar Project reflects the organization's dual commitment to people and the planet. By integrating solar energy into its operations, BBBSOCIE showcases leadership in sustainability while reinforcing its core mission of creating brighter futures for young people. The project sets an example for nonprofits nationwide, demonstrating that renewable energy adoption not only benefits the environment but also strengthens the long-term viability of social-impact organizations.

### Environmental Benefits (Estimated)

By generating roughly 310 MWh of renewable electricity annually, the system prevents about 125 metric tons of CO<sub>2</sub> emissions each year, equivalent to planting 5,600 trees, saving 42,000 gallons of water, or displacing 135 short tons of coal. Over its 25-year operational life, the project will prevent more than

3,100 metric tons of CO<sub>2</sub> emissions, advancing sustainability in Southern California and supporting local and state clean-energy goals.

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## **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](http://www.bovietsolar.com).