



## BELLA VISTA WATER DISTRICT

### Project Highlights

- **Project Name:** Bella Vista Water District – Regulating Station
- **Project Type:** Municipal Solar I Ground Mount System
- **Project Location:** Redding, Shasta County, California, USA
- **Project Size:** 693 kW DC
- **Project Operation Date:** March 2019
- **PV Module Supplier:** Boviet Solar
- **Project Developer / EPC:** CalCom Energy
- **Project Owner / Operator:** Bella Vista Water District

## **Bella Vista Water District (BVWD)**

The Bella Vista Water District (BVWD) serves residents and businesses in and around Redding, California, delivering high-quality water services to support community growth and agricultural production. As a public water utility, BVWD is dedicated to responsible resource management, operational efficiency, and sustainability. By integrating renewable energy into its pumping and treatment operations, BVWD is reducing long-term energy costs, improving resilience, and contributing to California's clean-energy and climate-action goals.

### **Project Overview**

The Bella Vista Water District – Regulating Station Solar Project is a 693 kW DC ground-mounted, behind-the-meter solar array located in Redding, California. Developed and constructed by CalCom Energy and powered by Boviet Solar's top-performing PV modules, the system provides renewable electricity directly to BVWD's water-pumping and distribution operations. The project offsets a significant portion of the District's annual electricity demand while stabilizing costs for water service customers.

Generating approximately 1.13 GWh (1,130,000 kWh) of clean power per year, the project reduces BVWD's grid dependency and demonstrates fiscal responsibility by lowering utility expenditures. Economically, it strengthens operational resilience and supports ratepayer savings. Socially, it showcases municipal leadership in sustainable water management and provides local employment through CalCom Energy's engineering and construction teams. Environmentally, it avoids an estimated 450 metric tons of CO<sub>2</sub> emissions per year, equivalent to removing 98 cars from the road, planting 22,000 trees, saving 150,000 gallons of water, or displacing approximately 470 short tons of coal annually.

### **Economic Benefits**

The 693 kW DC system produces roughly 1.13 GWh of renewable electricity each year, offsetting energy consumption at BVWD's regulating and pumping stations. By generating on-site power, the project reduces operational expenses and exposure to rate fluctuations from the local utility. Construction supported local contractors and electricians, creating short-term jobs while long-term operation provides ongoing maintenance and monitoring roles. The project enhances financial sustainability for the district and protects customers from escalating energy costs over the system's lifetime.

### **Social Benefits**

BVWD's investment in solar energy demonstrates its ongoing commitment to environmental stewardship and public service innovation. Partnering with CalCom Energy, the District supported skilled clean-energy jobs within Northern California's renewable sector. The project stands as a visible example of responsible governance, showing how public utilities can leverage solar energy to deliver essential services more efficiently, sustainably, and affordably for their communities.

### **Environmental Benefits (Estimated)**

By generating 1.13 GWh of renewable energy annually, the system avoids approximately 450 metric tons of CO<sub>2</sub> emissions per year, equivalent to planting 22,000 trees, saving 150,000 gallons of water, or eliminating 470 short tons of coal. Over its 25-year operational lifespan, the project will prevent more

than 11,000 metric tons of CO<sub>2</sub> emissions, improving regional air quality and contributing to California's statewide decarbonization targets.

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## BOVIET SOLAR

Boviet Solar 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. 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).