



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 CO₂ 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 CO₂ 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 CO₂ emissions, improving regional air quality and contributing to California's statewide decarbonization targets.

BOVIET SOLAR

Boviet Solar, an Inox Solar Americas company, is a solar energy technology and manufacturing company focused on delivering high-performance photovoltaic (PV) modules for the U.S. market. Its portfolio includes Gamma Series™ monofacial and Vega Series™ bifacial PV modules, designed for utility-scale, community solar, commercial, and industrial (C&I), and residential applications, with a focus on reliability, efficiency, and long-term performance.

The company operates a state-of-the-art manufacturing facility in Greenville, North Carolina, with approximately 3.0 GW of annual production capacity. This U.S.-based production supports localized supply, efficient logistics, and alignment with project timelines and market requirements.

As part of Inox Solar Americas, Boviet Solar benefits from enhanced financial backing and integration within a broader renewable energy platform under Inox Clean Energy and the INOXGFL Group. This strengthens its ability to support compliant, financeable, and scalable solar projects while maintaining consistent execution and product performance.

Boviet Solar works closely with developers, EPCs, and asset owners to deliver projects on time and support long-term performance. The company remains committed to advancing clean energy by providing dependable solutions that enable customers to build and operate projects with confidence.

To learn more, please visit www.bovietsolar.com, www.inoxclean.com, www.inoxgfl.com