SOLAR OF ALAMOSA POWER PLANT

Project Highlights

- Project Name: Solar of Alamosa
- Project Type: Utility-Scale Solar (Concentrated Photovoltaic, CPV; redeveloped with PV modules)
- Project Location: Alamosa County, San Luis Valley, Colorado, USA
- Project Size: 30 MWac | ~37.5 MWdc (estimated)
- Project Operation Date: April 2012 (redeveloped 2022–2024)
- PV Module Supplier: Boviet Solar
- Project Developer (Original): Cogentrix Energy / Amonix
- Project Owner: Whetstone Power & Rosemawr Sustainable Infrastructure (acquired 2022)
- Project Offtaker: United Power (25-year PPA beginning May 2024)
- Project Grid Connection: Xcel Energy / Public Service Company of Colorado transmission network

Project Overview

The Solar of Alamosa project is a 30 MWac utility-scale solar facility located in Colorado's San Luis Valley. Originally commissioned in 2012 as one of the largest concentrated photovoltaic (CPV) plants in the United States, the facility was acquired and redeveloped between 2022 and 2024 by Whetstone Power and Rosemawr Sustainable Infrastructure. The redevelopment replaced legacy CPV technology with modern, top-performing Boviet Solar PV modules, ensuring long-term performance, reliability, and continued contribution to Colorado's clean-energy goals.

The project delivers significant benefits across multiple dimensions. Economically, it generated local construction and electrical jobs, provides sustained O&M employment, and now produces approximately 80,000 MWh of clean electricity annually, enough to power the equivalent of 7,500 Colorado homes each year. Socially, it supports Colorado's Renewable Portfolio Standard objectives, stabilizes electricity prices, and strengthens community resilience. Environmentally, the project avoids roughly 56,000 metric tons of CO_2 emissions annually, conserves about 60 million gallons of water per year, and eliminates the equivalent of approximately 56,000 tons of coal, contributing to cleaner air and long-term climate goals.

Economic Benefits

The redevelopment created dozens of skilled local jobs in construction, logistics, and electrical installation, while preserving long-term operations and maintenance positions. The project generates approximately 80,000 MWh of electricity each year, enough to power about 7,500 Colorado homes annually. In addition, it secures steady tax revenues for Alamosa County and supports local service providers and suppliers throughout the San Luis Valley.

Social Benefits

The Solar of Alamosa project strengthens community resilience by reducing reliance on fossil fuels and supporting state-level renewable-energy targets. Local workforce training during the redevelopment provided valuable technical skills for tradespeople in the region, creating a pathway for long-term clean-energy employment. The project also contributes to energy affordability and grid reliability, ensuring lasting benefits for local communities and utility customers.

Environmental Benefits (Estimated)

By generating approximately 80,000 MWh of clean solar electricity each year, the facility offsets about 56,000 metric tons of CO_2 emissions annually, equivalent to taking roughly 12,000 passenger cars off the road. It conserves around 60 million gallons of water annually compared to conventional fossil generation, a critical advantage in Colorado's arid San Luis Valley. Additionally, the project displaces the equivalent of approximately 56,000 tons of coal per year, contributing to improved air quality and statewide decarbonization efforts.

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.