



ESCALANTE SOLAR POWER PLANT

Project Highlights

- **Project Name:** Escalante Solar Power Plant
- **Project Type:** Utility Scale Solar
- **Project Location:** McKinley County, New Mexico, USA
- **Project Size:** 238 MW DC | 200 MW AC
- **Project Operation Date:** June 2024
- **PV Module Supplier:** Bovie Solar
- **Project Developer:** Origis Energy
- **Project Owner:** Origis Energy, under a long-term PPA with Tri-State Generation and Transmission Association

Project Overview

The Escalante Solar Power Plant is a 238 MWdc / 200 MWac utility-scale solar facility developed by Origis Energy and powered by Boviet Solar's top-performing PV modules. Located in McKinley County, New Mexico, the project was constructed on the site of the retired Escalante coal-fired power plant, transforming a former fossil-fuel site into one of the state's largest renewable energy hubs. The facility reached commercial operation in June 2024 and now delivers clean electricity to the Tri-State Generation and Transmission Association under a long-term power purchase agreement, supplying renewable energy to 11 rural electric cooperatives across New Mexico.

The project delivers a full spectrum of benefits: economically, it represents hundreds of millions in renewable investment, generates nearly 500,000 MWh of clean power annually, enough to power ~47,500 homes. Revitalizes a coal-dependent region, builds renewable-sector skills, strengthens grid reliability for member co-ops.: ~200,000 metric tons of CO₂ eliminated annually, ≈ ~43,500 cars removed from the road, equivalent to planting ~3.3 million tree seedlings grown for 10 years, delivering durable air-quality and climate benefits for New Mexico.

Economic Benefits

Escalante Solar brought hundreds of millions of dollars in private investment to McKinley County and created more than 500 construction jobs, along with ongoing operations and maintenance positions. The project generates approximately 493,000 MWh of renewable electricity annually, enough to power more than 48,000 U.S. homes each year. By reducing reliance on fossil fuels, Escalante helps stabilize energy costs for cooperative members while generating significant long-term tax revenues that directly fund local schools, healthcare services, and public infrastructure. Local businesses benefited through construction contracts, service agreements, and supply chain participation, reinforcing the project's role as a cornerstone of regional economic growth.

Social Benefits

By being built on the site of a retired coal-fired power plant, Escalante Solar is a model of community revitalization and clean energy transition. The project supports workforce redevelopment by creating new, high-quality renewable energy jobs in a historically coal-reliant region, ensuring that local workers benefit from the clean energy economy. It enhances community pride by repurposing an industrial site for sustainable energy production while strengthening the resilience of rural electric cooperatives that now receive clean, reliable, and affordable electricity.

Environmental Benefits

The Escalante Solar Power Plant produces approximately 493,000 MWh of clean energy annually, enough to power 48,000 homes while offsetting an estimated 193,000 metric tons of CO₂ emissions each year. This is equivalent to removing more than 42,000 passenger cars from the road or planting nearly 8.8 million trees. By replacing a former coal-burning facility, the project directly eliminates tens of thousands of tons of coal consumption annually while conserving approximately 246 million gallons of water per year, resources that would otherwise be consumed by thermal power generation. In doing so, Escalante improves regional air quality, reduces strain on scarce water supplies, and demonstrates the transformative impact of solar energy in driving coal-to-clean energy transitions.

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.