



GRAPHITE SOLAR POWER PLANT

Project Highlights

- **Project Name:** Graphite Solar Power Plant
- **Project Type:** Utility Scale Solar
- **Project Location:** Carbon County, Utah, USA
- **Project Size:** 104 MW DC | 80 MW AC
- **Project Operation Date:** June 2022
- **PV Module Supplier:** Boviet Solar
- **Project Developer:** rPlus Energies
- **Project Owner:** Greenbacker Renewable Energy Company

Project Overview

The Graphite Solar Power Plant is a 104 MWdc / 80 MWac utility-scale solar facility located in Carbon County, Utah. Developed by rPlus Energies and powered by Boviet Solar's top-performing PV modules, the project reached commercial operation in June 2022. Under a long-term power purchase agreement (PPA) with PacifiCorp, operating as Rocky Mountain Power, Graphite Solar directly supports PacifiCorp's Integrated Resource Plan (IRP), which aims to deliver affordable, reliable, and clean energy resources across the Intermountain West.

The project delivers wide-ranging benefits: economically, it represents a significant clean energy investment, generates nearly 210,000 MWh of renewable electricity annually, and powers approximately 19,000 homes while creating hundreds of jobs and tax revenues; socially, it strengthens Utah's energy resilience, supports workforce training, and enhances community pride in renewable energy adoption; and environmentally, it offsets about 85,000 metric tons of CO₂ emissions annually, conserves 91 million gallons of water, and eliminates coal reliance, helping Utah advance its clean energy transition.

Economic Benefits

The Graphite Solar project delivered a substantial economic boost to Carbon County and the wider region. During construction, it created hundreds of direct and indirect jobs, engaged local contractors and suppliers, and generated meaningful tax revenues that support schools, healthcare services, and county infrastructure. Each year, the project produces approximately 210,000 MWh of clean electricity, enough to power more than 19,000 U.S. homes. Long-term operations and maintenance contracts provide sustained employment and service opportunities, ensuring that Graphite Solar continues to generate stable economic value for the local community over its lifetime.

Social Benefits

Graphite Solar enhances energy security and reliability in Utah by diversifying the regional power mix with renewable solar energy. It creates opportunities for workforce development and training, enabling skilled employment in the growing clean energy sector. The project also fosters community pride and resilience by positioning Carbon County as a renewable energy hub and serving as a model for future clean energy transitions across the state.

Environmental Benefits

The Graphite Solar Power Plant offsets approximately 85,000 metric tons of CO₂ emissions annually, equivalent to removing 18,000 passenger cars from the road or planting more than 4 million trees each year. The project conserves around 91 million gallons of water annually, avoiding consumption otherwise required for fossil-fuel-based power generation. In addition, the project eliminates the equivalent of 42,000 tons of coal consumption annually, further reducing reliance on fossil fuels. These environmental benefits directly support PacifiCorp's decarbonization pathway and advance both state and national climate objectives.

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.