



FRANKLIN COMMUNITY SOLAR

Project Highlights

- **Project Name:** Franklin Solar Power Plant
- **Project Type:** Community Solar | Ground Mount System
- **Project Location:** Franklin Township, Warren County, New Jersey, USA
- **Project Size:** 8.8 MWac | 10 MWdc
- **Project Operation Date:** May 2020
- **PV Module Supplier:** Boviet Solar
- **Project Developer:** CEP Renewables
- **Project Owner / Operator:** NJR Clean Energy Ventures

Project Overview

The Franklin Solar Power Plant is an 8.8 MWac community-scale solar facility located in Franklin Township, Warren County, New Jersey, on a remediated brownfield site. The project was developed by CEP Renewables and utilizes Boviet Solar’s top-performing PV modules. It reached commercial operation in May 2020 and delivers renewable electricity into the PJM Interconnection through the JCP&L distribution system.

The project delivers measurable economic, social, and environmental benefits. Economically, Franklin Solar generates clean, local energy while reusing previously contaminated land, creating regional construction and O&M jobs, and adding to the tax base. Socially, it supports New Jersey’s clean-energy goals by expanding access to affordable solar power and showcasing responsible land reuse. The Franklin Solar Power Plant generates ~15 GWh of clean electricity annually—enough to power ~2,200 homes—and avoids roughly 5,500 metric tons of CO₂ each year. That’s equivalent to removing ~1,200 cars from the road, planting ~88,000 trees, saving ~3 million gallons of water, and displacing ~6,000 short tons of coal annually.

“Our relationship with Boviet Solar spans over ten years, built on mutual trust, reliability, and shared commitment to excellence. Boviet’s PV modules consistently deliver the efficiency and durability we need to ensure our projects perform for decades. They’ve proven time and again to be a true long-term partner, responsive, dependable, and aligned with our mission to advance clean, sustainable energy.”

Chris Ichter, Executive Vice President, CEP Renewables

Economic Benefits

The Franklin Solar project provides significant economic value to the local and regional economy. Construction and ongoing maintenance supported numerous local skilled labor positions, along with OEM, logistics, and service jobs throughout the supply chain. Repurposing brownfield land avoided new land development costs and turned an underutilized site into a productive renewable-energy asset. Over its operational life, the plant’s annual ~15 GWh generation offsets the equivalent electricity use of about 2,200 New Jersey homes, creating steady clean-energy production and reliable revenue for both project stakeholders and local communities.

Social Benefits

Franklin Solar aligns with New Jersey’s broader energy equity and community-solar objectives. The project expands access to solar energy for residents and small businesses through the PJM grid framework, helping meet local renewable-energy targets while keeping benefits within the state. Local construction and O&M participation enhanced community pride and energy awareness, while transforming a once-contaminated brownfield site into a visible demonstration of New Jersey’s clean-energy leadership and responsible land reuse.

Environmental Benefits

By redeveloping a brownfield site, the Franklin Solar project avoids additional land disturbance and promotes sustainable land recovery. Each year, its ~15 GWh of clean solar generation prevents roughly 5,500 metric tons of CO₂e, equivalent to removing ~1,200 cars from the road or planting ~88,000 trees. The system also conserves approximately 3 million gallons of water annually and eliminates about 6,000 short tons of coal that would otherwise be burned for conventional power generation—making Franklin Solar a model for sustainable redevelopment and community clean-energy leadership in Warren County.

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.