



HORNET SOLAR POWER PLANT

Project Highlights

- **Project Name:** Hornet Solar Power Plant
- **Project Type:** Utility Scale Solar
- **Project Location:** Swisher County, Nazareth, Texas, USA
- **Project Size:** 600 MW AC | 745 MW DC
- **Project Operation Date:** April 2025
- **PV Module Supplier:** Boviet Solar
- **Project Developer:** Vesper Energy
- **Project Owner:** Vesper Energy

Project Overview

The Hornet Solar Power Plant is a 600 MWac / 745 MWdc utility-scale renewable energy facility located in Swisher County near Nazareth, Texas. Ranking among the largest single-phase solar projects in the United States, Hornet Solar was developed and is owned by Vesper Energy and powered by Boviet Solar's top-performing PV modules, achieving commercial operation in April 2025. The facility delivers clean electricity into the ERCOT grid under four long-term corporate power purchase agreements (PPAs), ensuring stable revenue while supporting the decarbonization goals of major U.S. companies.

Hornet Solar generates approximately 1.31 TWh (1,310,000 MWh) of renewable electricity annually, enough to power more than 121,000 U.S. homes each year. The project delivers broad benefits: economically, it brought nearly \$600 million in investment, created hundreds of jobs, and continues to strengthen tax revenues; socially, it enhances workforce development, grid reliability, and community recognition as a clean energy hub; and environmentally, it offsets 657,000 metric tons of CO₂ emissions annually, conserves 604 million gallons of water, and eliminates the need for more than 650,000 tons of coal each year.

Economic Benefits

Hornet Solar represents one of the largest renewable energy investments in the Texas Panhandle, with nearly \$600 million in capital financing. The project created hundreds of well-paid construction jobs and continues to provide long-term operations and maintenance roles. By generating 1.31 TWh of clean electricity annually, the plant supplies enough energy to power over 121,000 homes each year. Beyond power generation, Hornet contributes consistent tax revenues that fund schools, healthcare, and infrastructure improvements, directly benefiting the public sector in Swisher County. Local contractors, suppliers, and vendors also benefit from its scale, creating sustained economic resilience and regional growth.

Social Benefits

The Hornet Solar project delivers long-lasting value to both the community and corporate partners. Its four long-term PPAs with major U.S. corporations provide a stable demand for renewable energy, enabling businesses to meet sustainability goals while ensuring reliable and affordable electricity. By diversifying ERCOT's energy mix, Hornet reduces exposure to fossil fuel price volatility and improves grid stability. Its scale elevates Swisher County as a national leader in renewable energy innovation, bringing recognition and pride to the community while reinforcing Texas's global leadership in clean power. Additionally, Hornet strengthens workforce development pipelines, creating career pathways and technical skills training in the renewable energy sector.

Environmental Benefits (Estimated)

Hornet Solar delivers transformative environmental benefits on scale. By producing 1.31 TWh of renewable electricity annually, the project offsets nearly 657,000 metric tons of CO₂ emissions each year, equivalent to removing 143,000 gasoline-powered cars from the road or planting about 30 million trees. The facility also conserves approximately 604 million gallons of water annually, which would otherwise be consumed by fossil-fuel generation cooling processes. Furthermore, Hornet eliminates the need for over 650,000 tons of coal annually, avoiding harmful emissions and reducing resource extraction impacts.

Collectively, these benefits improve air quality, conserve natural resources, and help Texas accelerate toward its clean energy and climate commitments.

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.