



LAGORIO FARMS

Project Highlights

- **Project Name:** Lagorio Farms
- **Project Type:** Agricultural Solar | Ground Mount
- **Project Location:** Madera, California, USA
- **Project Size:** 1.1 MW DC
- **Project Commissioning Date:** April 2016
- **PV Module Supplier:** Boviet Solar
- **Project Developer/Installer:** CalCom Energy
- **Project Owner:** Lagorio Farms

Lagoria Farms

Lagorio Farms is a family-owned farming enterprise based in Madera, California, with a long history in Central Valley agriculture. The farm produces a variety of crops and relies heavily on energy for irrigation, cold storage, and processing operations. To address rising energy costs and improve sustainability, Lagorio Farms invested in solar power, enabling greater operational efficiency, cost stability, and long-term resiliency. Its adoption of renewable energy underscores the farm's commitment to both agricultural innovation and environmental stewardship.

Project Overview

The Lagorio Farms solar system is a 1.1 MW DC ground-mounted solar installation located in Madera, California. Developed and installed by CalCom Energy, owned by Lagorio Farms, and powered by Boviet Solar's top-performing PV modules, the fully grid-tied system supplies renewable electricity directly to farm operations.

Generating approximately 1.87 GWh of clean electricity annually, the project delivers broad benefits. Economically, it lowers operating expenses, stabilizes long-term energy costs, and hedges against utility-rate volatility across irrigation, refrigeration, and water-pumping operations. Socially, it demonstrates Lagorio Farms' leadership in sustainable agriculture, supports local clean-energy jobs, and serves as a replicable model for other agribusinesses. Environmentally, the system avoids ~748 metric tons of CO₂ annually, equivalent to removing ~163 cars from the road, planting ~12,500 trees, saving ~0.94 million gallons of water, and eliminating ~760 short tons of coal. By producing zero emissions during operation, the project reduces the farm's carbon footprint, improves local air quality, and contributes to California's climate goals.

Economic Benefits

The Lagorio Farms solar system offsets a significant portion of the farm's electricity needs, generating ~1.87 GWh annually and reducing reliance on purchased power. The project lowers utility expenses, shields operations from rising energy costs, and delivers predictable long-term savings. Over its lifetime, the system strengthens fiscal resilience, freeing up resources for agricultural innovation and business growth. In addition, the project supported regional economic development through CalCom Energy's contribution to local clean energy job creation.

Social Benefits

The Lagorio Farms solar system underscores Lagorio Farms' commitment to environmental stewardship and sustainable business practices. By partnering with CalCom Energy, the farm supported local clean-energy jobs and technical expertise while inspiring neighboring agricultural operations to explore solar adaptation. The project provides a replicable model for the region's agribusiness community, reinforcing Lagorio Farms' role as a sustainability leader.

Environmental Benefits (Estimated)

The Lagorio Farms solar system generates approximately 1.87 GWh of clean power annually, avoiding ~748 metric tons of CO₂ emissions per year. This environmental impact is equivalent to removing ~163 passenger cars from the road annually, planting ~12,500 trees annually, saving ~0.94 million gallons of

water annually, and eliminating ~760 short tons of coal annually. By producing zero emissions during operation, the system powered by Boviet Solar's top-performing PV modules reduces reliance on fossil fuels, improves local air quality, and contributes to California's long-term renewable energy and climate objectives.

BOVIET SOLAR

Boviet Solar Technology Co., Ltd. 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, with an annual production capacity of 3.0 GW for PV cells and modules. The company also maintains regional operations in the United States, Germany, and other key international markets. To learn more, visit www.bovietsolar.com.