GILMORE RANCH

Project Highlights

- Project Name: Gilmore Ranch
- Project Type: Agricultural Solar I Ground Mount
- Project Location: Gilmore Ranch, California, USA
- Project Size: 1.1 MW DC
- Project Commissioning Date: June 2018
- PV Module Supplier: Boviet Solar
- Project Developer/Installer: CalCom Energy
- Project Owner: Gilmore Ranch

Gilmore Ranch

Gilmore Ranch is an agricultural operation based in Kerman, Fresno County, California, specializing in large-scale farming that requires significant electricity for irrigation, water pumping, refrigeration, and crop processing. As with many Central Valley agribusinesses, rising energy costs and sustainability goals led the ranch to invest in solar power to stabilize operating expenses and strengthen long-term resiliency. By adopting renewable energy solutions, Gilmore Ranch demonstrates a forward-looking commitment to both agricultural productivity and environmental stewardship.

Project Overview

The Gilmore Ranch solar system is a 1.1 MW DC ground-mounted solar energy installation located in Kerman, Fresno County, California. Developed and installed by CalCom Energy, owned by Gilmore Ranch, and powered by Boviet Solar's top-performing PV modules, the fully grid-tied system supplies renewable electricity directly to ranch operations.

Generating approximately ~1.7 GWh of clean electricity annually, the project delivers wide-ranging benefits. Economically, it reduces operating expenses, stabilizes long-term energy costs, and hedges against utility-rate volatility across irrigation, refrigeration, and water-pumping operations. Socially, it supports local clean-energy jobs, strengthens community leadership in sustainable agriculture, and provides a replicable model for other multi-meter agribusinesses. Environmentally, the system avoids ~1,200 metric tons of CO_2 annually, equivalent to removing ~260 cars from the road, planting ~19,000 trees, saving ~52 million gallons of water, and eliminating ~1,300 short tons of coal. With zero emissions during operation, the project improves local air quality and reduces the ranch's overall carbon footprint.

Economic Benefits

By generating its own electricity, Gilmore Ranch produces approximately 1.7 GWh annually, reducing reliance on purchased grid power and insulating operations from rising utility rates. 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 Gilmore Ranch solar system highlights Gilmore Ranch's commitment to sustainability and CalCom Energy's expertise in serving agricultural communities. By supporting regional employment during construction and reinforcing community engagement around clean energy, the project demonstrates leadership in sustainable farming. Visible solar installation inspires peer farms to explore renewable energy adoption, helping advance agricultural resilience across California's Central Valley.

Environmental Benefits

The Gilmore Ranch solar system generates approximately 1.7 GWh of clean electricity annually, avoiding around 1,200 metric tons of CO_2 each year. This reduction is comparable to removing nearly 260 passenger cars from the road, planting more than 19,000 trees, saving about 52 million gallons of water, and eliminating roughly 1,300 short tons of coal. By producing zero emissions during operation, the

system powered by Boviet Solar's PV modules reduces the ranch's carbon footprint, improves local air quality, and supports California's long-term clean energy and climate goals.

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.