



WALKERS CASINO RESORT

Project Highlights

- **Project Name:** Walker's Bluff Casino Resort Solar
- **Project Type:** Commercial Solar | Ground Mount System
- **Project Location:** Carterville (Walker's Bluff), Williamson County, Illinois, USA
- **Project Size:** ~1.0 MW AC | 1.381 MW DC
- **Project Operation Date:** Late 2023
- **PV Module Supplier:** Boviet Solar
- **Project Developer / EPC:** StraightUp Solar (joint venture with LightWave Solar)
- **Project Owner / Operator:** Walker's Bluff Casino Resort

Project Overview

Walker's Bluff Casino Resort Solar is a ~1.0 MWac / 1.381 MWdc ground-mounted solar plant in Carterville, Illinois, developed and constructed by StraightUp Solar in joint venture with LightWave Solar, owned/operated by Walker's Bluff Casino Resort, commissioned in late 2023, and built with Boviet Solar's top-performing PV modules. In its first full year, the system generated 1,880,000 kWh of clean electricity.

The project offers many economic, social, and environmental benefits. It produces ~1.88 GWh/year, enough to power ~235 Illinois homes (using EIA's ~8,028 kWh/home-year for IL), cutting a meaningful share of the resort's electricity costs and exposure to future rate volatility. Socially, the highly visible installation showcases sustainability leadership in the hospitality & gaming sector for Southern Illinois. Environmentally, the annual output is equivalent to ~830 metric tons of CO₂ avoided, ~13,500 trees planted (equiv.), ~185 cars removed, ~1.32 million liters of water saved, and ~875 short tons of coal eliminated each year.

Economic Benefits

By generating ~1.88 GWh/year behind the meter, the array reduces operating expenses for mission-critical hospitality loads (gaming, HVAC, kitchens) and provides a long-term hedge against utility price swings. Local design, construction, and ongoing O&M support regional jobs while turning underutilized land into an energy-producing asset.

Social Benefits

As a flagship C&I hospitality project, Walker's Bluff demonstrates how resorts can improve resilience and guest experience with onsite renewables, offering a visible platform for sustainability education and regional tourism branding around clean energy.

Environmental Benefits (Estimated)

Generating ~1.88 GWh annually, the Walker's Bluff Casino Resort solar plant avoids ~830 metric tons of CO₂, saves ~1.32 million liters of water, and eliminates ~875 short tons of coal each year, equivalent to removing ~185 cars from the road or planting ~13,500 trees (seedlings grown 10 years)

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.