



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, an Inox Solar Americas company, is a solar energy technology and manufacturing company focused on delivering high-performance photovoltaic (PV) modules for the U.S. market. Its portfolio includes Gamma Series™ monofacial and Vega Series™ bifacial PV modules, designed for utility-scale, community solar, commercial, and industrial (C&I), and residential applications, with a focus on reliability, efficiency, and long-term performance.

The company operates a state-of-the-art manufacturing facility in Greenville, North Carolina, with approximately 3.0 GW of annual production capacity. This U.S.-based production supports localized supply, efficient logistics, and alignment with project timelines and market requirements.

As part of Inox Solar Americas, Boviet Solar benefits from enhanced financial backing and integration within a broader renewable energy platform under Inox Clean Energy and the INOXGFL Group. This strengthens its ability to support compliant, financeable, and scalable solar projects while maintaining consistent execution and product performance.

Boviet Solar works closely with developers, EPCs, and asset owners to deliver projects on time and support long-term performance. The company remains committed to advancing clean energy by providing dependable solutions that enable customers to build and operate projects with confidence.

To learn more, please visit www.bovietsolar.com, www.inoxclean.com, www.inoxgfl.com