



SHALLOW BASKET SOLAR AND STORAGE POWER PLANT

Project Highlight

- **Project Name:** Shallow Basket Solar + Storage Power Plant
- **Project Type:** Utility-Scale Solar + Battery Energy Storage System (BESS)
- **Project Location:** Rio Arriba County, New Mexico, USA
- **Project Size:** 140 MW AC Solar + 50 MW BESS (grid-scale)
- **Project Operation Date:** August 2025
- **PV Module Supplier:** Boviet Solar
- **Project Developer:** National Renewable Solutions (NRS), with land leased from the Jicarilla Apache Nation
- **Project Owner:** National Renewable Solutions (NRS)

Project Overview

The Shallow Basket Solar + Storage Project is a landmark 140 MW AC utility-scale solar facility paired with a 50 MW battery energy storage system, located in Rio Arriba County, New Mexico, on land leased from the Jicarilla Apache Nation. Developed and owned by National Renewable Solutions (NRS) and powered by Boviet Solar's top-performing PV modules, the project entered commercial operation in August 2025. Electricity is delivered through Guzman Energy under long-term wholesale agreements, serving customers.

The project delivers wide-ranging benefits. Economically, it represents a \$145 million investment, created over 250 construction jobs, and provides long-term lease revenues for the Jicarilla Apache Nation while generating enough clean electricity to power more than 38,000 homes annually. Socially, it strengthens energy sovereignty for the Jicarilla Apache Nation, supports workforce development in renewable energy, and enhances energy reliability for communities across northern New Mexico. Environmentally, it offsets approximately 142,200 metric tons of CO₂ emissions annually, eliminates thousands of tons of coal use, and conserves nearly 177.5 million gallons of water while integrating a 50 MW battery system to reduce reliance on fossil peaker plants.

Economic Benefits

The Shallow Basket Solar + Storage Project brought \$145 million in private investment to New Mexico, supported by a financing package closed in late 2024. Construction created approximately 250 local jobs, boosting demand for housing, food services, and equipment suppliers, while ongoing operations will continue to support skilled employment and service contracts. The project provides long-term lease and royalty revenues to the Jicarilla Apache Nation, strengthening tribal infrastructure and community development initiatives. Economically, the facility also delivers significant energy value by producing 355,000 MWh of renewable electricity annually, enough to power more than 38,000 homes each year. By reducing exposure to volatile fossil fuel markets, the project provides energy cost stability for cooperative members and tribal communities while reinforcing New Mexico's clean energy economy.

Social Benefits

The Shallow Basket strengthens the energy independence and economic empowerment of the Jicarilla Apache Nation, whose sovereign lands host the facility. The project provides affordable, reliable clean energy through Guzman Energy to tens of thousands of homes, schools, and businesses across northern New Mexico. It enhances local workforce capabilities by creating jobs in solar and storage technology and fosters long-term sustainability by positioning the Jicarilla Apache Nation as a pioneer in tribal-led renewable development.

Environmental Benefits (Estimated)

The Shallow Basket Solar + Storage Project produces approximately 355,000 MWh of clean electricity annually, offsetting an estimated 142,200 metric tons of CO₂ emissions each year. This reduction is equivalent to removing more than 30,000 gasoline-powered cars from the road or planting approximately 2.3 million trees. By displacing fossil-fuel-based electricity, the project also eliminates thousands of tons of coal consumption annually while conserving nearly 177.5 million gallons of water (672 million liters) that would otherwise be consumed by thermal power plants. The integration of a 50 MW battery energy storage system further strengthens environmental performance by maximizing solar utilization, reducing

reliance on fossil peaker plants, and ensuring renewable energy availability during peak demand periods and evening hours.

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