NATIONAL SELF STORAGE CHAIN

Project Highlights

- Project Name: National Self Storage Chain – Multi-Site Portfolio
- Project Type: Commercial Solar I Portfolio Rooftop (43 sites)
- Project Location: Greater Atlanta, GA; Birmingham & Montgomery, AL, USA
- Project Size: 4.1 MW DC | ~3.0 MW AC (estimated)
- Project Operation Date: Phased 2020–2021
- PV Module Supplier: Boviet Solar (and other manufacturers)
- Project Developer: Pivot Energy (program developer/owner's rep)
- Project EPC / Installer: Radiance Solar (design & build for 43 sites)
- Project Owner / Operator: National Self Storage
- Project Grid Connection: Georgia Power & Alabama Power distribution

Project Overview

National Self Storage Chain – Multi-Site Portfolio is a 4.1 MWdc (~3.0 MWac est.) rooftop solar program spanning 43 facilities across Atlanta, GA and the Birmingham/Montgomery, AL metros, developed by Pivot Energy, engineered and built by Radiance Solar, owned/operated by a national self-storage chain, and commissioned in phased deployments during 2020–2021. The portfolio utilizes Boviet Solar's top-performing PV modules (with additional manufacturers) and leverages Georgia Power's pilot net-metering to stabilize energy costs at climate-controlled units.

The program delivers clear economic, social, and environmental benefits at portfolio scale. Collectively, the arrays generate an estimated ~5.7 GWh/year, enough to power ~530 U.S. homes (based on EIA's national average household consumption). Economically, standardized designs, multi-site procurement, and participation in the GA pilot net-metering window reduce operating costs and hedge rate volatility for dozens of facilities. Socially, the highly visible rooftops showcase corporate sustainability across multiple communities while supporting local electrical and roofing trades. Environmentally (Estimated), ~5.7 GWh/year from the portfolio avoids ~2,530 metric tons of CO_2, saves ~4.0 million liters of water, and eliminates ~2,675 short tons of coal annually, equivalent to removing ~565 cars from the road or planting ~41,000 trees each year.

Economic Benefits

By aggregating 43 rooftops into a single program, the client captured scale efficiencies in engineering, permitting, procurement, and construction sequencing while standardizing O&M across locations. The sites reduced a volatile operating expense, electricity for climate-controlled storage, by pairing onsite generation with utility bill-credit mechanisms (including Georgia Power's pilot net-metering), creating predictable savings across the portfolio life. Local design, electrical, and roofing crews benefited from multi-year, multi-site workstreams.

Social Benefits

The portfolio demonstrates a repeatable decarbonization model for national retailers with dispersed real estate: replicate a vetted rooftop design, deploy it regionally, and deliver measurable sustainability results at each community location. The installations provide visible proof-points of the brand's climate commitments, engage employees and customers, and support local jobs across Georgia and Alabama.

Environmental Benefits (Estimated)

Generating approximately ~5.7 GWh/year, the portfolio avoids ~2,530 tCO_2e, saves ~4.0 million liters of water, and eliminates ~2,675 short tons of coal each year, equivalent to removing ~565 cars from the road or planting ~41,000 trees.

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.