An Inox Solar Americas Company

NIAGARA UNIVERSITY

Project Highlights

- Project Name: Niagara University
- Project Type: University Campus Solar I Ground Mount System
- Project Location: Lewiston, Niagara County, New York, USA
- Project Size: 4.0 MW DC
- Project Operation Date: October 2024
- PV Module Supplier: Boviet Solar
- Project Developer: Montante Solar & Pivot Energy
- Project Owner: Montante Solar serving Niagara University

Niagara University

Niagara University is a private Catholic university located in Lewiston, New York, recognized for its commitment to academic excellence, service, and environmental stewardship. The institution has embraced sustainability as a cornerstone of its mission, integrating renewable energy to advance operational efficiency and reduce its carbon footprint. The 4 MW solar project marks a transformative step toward achieving Niagara University's goal of carbon neutrality.

Project Overview

The Niagara University Solar Project is a 4.0 MW DC ground-mounted solar array developed by Montante Solar & Pivot Energy and powered by Boviet Solar's top-performing PV modules. Located on a 17-acre parcel adjacent to campus, the system uses high-efficiency bifacial modules mounted on single-axis trackers to maximize energy generation throughout the year.

The array produces approximately 5.6 GWh (5,600,000 kWh) of clean electricity annually, offsetting around 20 percent of the university's annual power consumption. Economically, the project delivers long-term energy cost savings and budget predictability. Socially, it strengthens Niagara University's leadership in sustainability and provides hands-on learning opportunities for students in environmental science and energy studies. Environmentally, it prevents approximately 2,250 metric tons of CO_2 emissions per year, equivalent to planting 100,000 trees, saving 750,000 gallons of water, or eliminating 2,450 short tons of coal annually.

Economic Benefits

By generating roughly 5.6 GWh of renewable electricity each year, the system significantly reduces grid electricity purchases, helping Niagara University hedge against future rate increases while achieving measurable cost savings. The project also supported local jobs in design, engineering, civil work, and electrical installation during construction, contributing to New York's clean-energy economy and supporting long-term operations and maintenance roles.

Social Benefits

The Niagara University Solar Project reflects the university's commitment to sustainability and education. It provides faculty and students with valuable learning and research opportunities through real-time monitoring of solar performance data and field-based studies. The system's visibility enhances community awareness and reinforces the university's reputation as a regional leader in clean-energy innovation and responsible campus development.

Environmental Benefits (Estimated)

The 4.0 MW DC solar array generates about 5.6 GWh of renewable energy annually, avoiding roughly 2,250 metric tons of CO_2 emissions per year. This is equivalent to planting 100,000 trees, saving 750,000 gallons of water, or displacing 2,450 short tons of coal each year. Over its expected 25-year operational lifespan, the system will prevent more than 56,000 metric tons of CO_2 emissions, contributing to cleaner air, healthier communities, and progress toward New York State's climate goals.

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