SunPeak

School | Reference Project

Project Highlights

Location
Minocqua, Wisconsin

Commissioned
December, 2016

Capacity
280 kWdc / 240 kWac

Production Estimate
304,600 kWh / first year (20% offset)

Panels
1,056 x 265W polycrystalline

Mounting
Delta Wing Rooftop

Inverters
8 x 30 kW/each

Lakeland Union High School

SunPeak, in partnership with a nationally respected performance contractor, helped Lakeland Union High School (LUHS) achieve its sustainability and renewable energy goals. LUHS now hosts the largest solar system on a Wisconsin school. The 280kWdc rooftop system is comprised of 1,056 panels and will offset approximatel y 20% of the school's energy needs.

The school's electrical demand doesn't drop significantly during the summer, because the building is used by summer school classes, office personnel and for weekend events. The panels were mounted with concrete ballast to avoid roof penetrations and face east/west for production efficiency throughout the day.

Beyond energy cost savings, the school expects teachers to incorporate the solar system in to its STEAM curriculum (Science, Technology, Engineering, the Arts, and Mathematics.) "If we can help any of our pre-engineering students prepare for becoming involved in this field, it's certainly a feather in our cap, because we are then helping students think about their future" Bouché said. "When students heard about what was going on, they became very enthralled with the idea that their school was involved with energy efficiency."

LUHS is proud to be "Energy-wise."

Benefits at a Glance

Solar reduces electricity costs
which has a substantial impact on decreasing overall operating expenses.

Solar electricity production is synchronized with electrical demand times
for an educational facility.

Solar systems can be immediately cash-flow positive
using various financing structures.

Solar creates a competitive advantage
highlighting your commitment to sustainable and efficient business operations.

Sustainability

The environmental offsets from this project are significant over 30 years.

3,100 tons	*of coal*	2,100 tons	*of landfill*
6,400 tons	*of CO2*	13,913,400 miles	*of driving*
149,800 trees	*planted*	8,474,600 kWh	

"I'm glad we had the opportunity to work with SunPeak on this economic and academic venture! The solar system will benefit our students, staff, communities and our physical plant of just under 300,000 sq. ft."

James P. Bouché, Principal / District Administrator
Lakeland Union High School

About SunPeak

SunPeak is a commercial solar developer headquartered in Madison, Wisconsin. Businesses can be confident of SunPeak's capability to professionally assess feasibility, design & engineer, install, commission, and maintain a solar system that will provide decades of emission free electricity from the sun.

Projects typically range from 100kW to 5MW and offer significant cost savings relative to conventional utility electric rates.

Due to SunPeak's extensive relationships with the world's best-in-class solar component suppliers, clients receive an optimal balance of cost effectiveness and performance. The SunPeak team has successfully installed over 400 MW of clean, green, renewable energy globally.

SunPeak

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