



20kW Project: Premier Waterfront Hotel



After completing a recent \$16 million renovation to the Best Western Premier Waterfront Hotel, the owners were seeking new ways to demonstrate their community commitment to sustainability, while reducing operating costs. Powering the hotel with the sun seemed like a logical avenue to explore.

SunPeak became involved and immediately applied for a competitive grant through Wisconsin's *Focus on Energy* program, which was fully funded a month later. This effort reduced system cost by 27% to the client, in addition to a 30% tax credit provided by the federal

government. Over half the project cost was offset by state and federal incentives, resulting in a strong projected financial return on investment.

SunPeak was contracted for full system implementation, which included initial feasibility study, project engineering, component procurement, permitting, installation and ongoing maintenance. All matters relating to the project were handled by SunPeak, which offered a true "white glove" experience to the customer. This turnkey single-source service allowed hotel management to implement solar with no time commitment or distraction, allowing it to focus on *its* business.

The project was a great success, and will now provide daily power for the next 25+ years. Every day the sun rises, a portion of the hotel's operations will be powered for free by the sun.

Project Highlights	
Customer	Oshkosh Investors, LLC
Building	Best Western Premier Waterfront Hotel & Conference Center
Location	1 N. Main Street, Oshkosh, Wisconsin (downtown)
System Type	Rooftop photovoltaic, mounted atop a nine-story building
Completion Date	December 18 th , 2014
Installation Duration	~ 2 weeks
Annual Energy Production	26,290 kWh/year
AC Capacity	20 kWac
DC Capacity / DC:AC Ratio	24 kWdc / 1.20 DC:AC
Module Number & Type	96 modules, each 250 W polycrystalline
Mounting Scheme	50/50 east/west azimuth with 15° tilt relative to horizontal
Inverter Type	20.0 kWac capacity with dual MPPT inputs (ABB TRIO model)



Using SunPeak's exclusive east-west mounting system, self-shading was eliminated. This resulted in enhanced energy production per unit area on the small rooftop. Additionally, due to the aerodynamic nature of the design, wind resilience and long-term reliability were improved.



SunPeak can lead you through the world of generating your own power using the sun's free natural energy. Please contact one of our sales consultants today to begin the discussion. Our goal is to educate everyone about the exciting new alternatives available to economically power your business. We are a high integrity group, offering the strongest value in the industry.



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