

100kW Project: Ale Asylum Brewery

Ale Asylum, Madison's new local brewing sensation and the producer of its famous Hopalicious™ American pale ale, partnered with SunPeak to install a 100 kWac rooftop photovoltaic solar system atop its new manufacturing facility near the Dane County Airport.



SunPeak began the process by applying for, and successfully receiving, a \$75,000 Focus on Energy grant through a competitive process. This grant helped reduce the cost of the project, making the economics for Ale Asylum strongly favorable. The project provided a net levelized cost of energy (LCOE) of 4.4 ¢/kWh, which is less than 50% their current electric rates from Madison Gas & Electric.

Project Highlights	
Customer	Ale Asylum
Building	Headquarters, which includes brewery, office and restaurant/pub
Location	2002 Pankratz Street, Madison, Wisconsin
System Type	Rooftop photovoltaic, mounted atop a 40' tall building
Completion Date	Jan 7 th , 2015
Installation Duration	~ 3 weeks
Annual Energy Production	150,000 kWh/year
AC Capacity	100 kWac
DC Capacity / DC:AC Ratio	120 kWdc / 1.20 DC:AC
Module Number & Type	480 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 (Qty 5 units)

SunPeak handled everything including: project engineering, financial analysis, permitting, component procurement, final installation and commissioning. A few short meetings with Ale Asylum management was all that was necessary, and from there SunPeak managed the entire process.



SunPeak's DeltaWing™ mounting system was used, which features an east/west module orientation. This low profile design not only looks great, but reduces roof loading and provides more consistent power output. Energy density was increased 30% relative to south facing alternatives.

The project was honored by RENEW Wisconsin as one of its top statewide projects for 2014 and the Wisconsin Homebrewer's Association hosted a special party to celebrate its completion.

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 representatives 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 company, offering the strongest value in the industry.



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