



Frank Lloyd Wright's Taliesin West

Scottsdale, Arizona, USA

Owner:	The Frank Lloyd Wright Foundation	
Developer:	First Solar, Inc.	
EPC Contractor:	First Solar, Inc.	
Size:	250kW (AC)	
Commissioned:	May, 2012	
Type:	Ground-Mount	
Output:	~500MWh per year	
Power Output For:	~40 average Arizona homes per year	
CO₂ Displacement:	~300 metric tons per year* (~50 cars off the road)	
Module Surface Area:	~2,800 m ²	
Modules Used:	Type:	FS-377
	Quantity:	~4,000

Nestled in the foothills of the McDowell Mountains in Scottsdale, Arizona sits one of Frank Lloyd Wright's most celebrated architectural masterpieces, Taliesin West. Under the management of The Frank Lloyd Wright Foundation, this National Historic Landmark recently engaged with local energy efficiency consultant Big Green Zero to develop a plan for Energizing Taliesin West™.

The result was a twofold approach aimed at maximizing energy efficiency through improved lighting, insulation, climate controls, and other techniques—while also generating clean renewable energy on-site.

To kick off the initiative, the Foundation partnered with First Solar to develop and install a 250kW alternating current (AC) solar photovoltaic (PV) array at Taliesin West. Approximately 4,000 of the company's solar modules are used to generate clean electricity for the property, helping it achieve the goal of becoming a net-zero energy consumer. First Solar, with help from several key suppliers, donated the complete custom-designed PV system.

With over 100,000 visitors touring the property each year, the solar array not only provides a showcase for solar technology, but demonstrates to architects and designers the possibilities that exist for integrating renewable energy, while maintaining the historic and architectural integrity of an iconic site. The initiative is expected to free up approximately \$200,000 for the foundation to spend on programming and preservation efforts. More importantly however, the project remains entirely consistent with the values of Taliesin West and the legacy of Frank Lloyd Wright, upholding the tenets of innovation and technology, while celebrating nature and the strategic utilization of our natural resources.



About First Solar

First Solar is the world's premier provider of fully integrated solar power solutions. Formed in 1999, First Solar designs, builds, and operates photovoltaic (PV) power plants for the world's most sophisticated energy buyers. From raw material sourcing through end-of-life collection and recycling, First Solar is focused on creating value-driven renewable energy solutions that protect and enhance the environment.

For More Information:

Please visit www.firstsolar.com
or contact us at info@firstsolar.com
1-877-850-FSLR (3757)

* CO₂ displacement based on U.S. southwest regional grid.