



Solar Panel

Advanced Energy Job Stimulus Program

A key component of Ohio's program to create new jobs and encourage economic development, the \$150 million Advanced Energy Job Stimulus Program is designed to support new technology projects on a fast track toward commercialization. As part of the \$1.57 billion job stimulus package signed into law by Governor Ted Strickland in June 2008, the goal of the program is to employ Ohio workers in the advanced energy jobs of the future. The Willard and Kelsey Solar Group project was approved for stimulus program funding because it will employ more than 3,500 Ohioans in the manufacture of photovoltaic solar cells for residential, commercial and industrial use.



SOLAR GROUP

Proposal Name:

Willard and Kelsey Solar Manufacturing Plant 1 L.L.C.

Project Location:

Perrysburg, Ohio (Wood County)

Applicant Information:

Willard and Kelsey (W&K) was founded in 2006 by William Mitchell, James Appold, Michael Cicak, James Heider and Gary Faykosh. Cicak was President of Glasstech, Glasstech Solar &



Willard and Kelsey Solar Group Facility

Solar Cells. Heider and Faykosh previously worked for Glasstech Solar and Solar Cells, Inc. – two northwest Ohio firms that were solar industry pioneers. The company manufactures CdTe thin-film photovoltaic solar panels that are used by its customers to produce electricity. Willard and Kelsey was named after two streets in east Toledo near where founding partner Heider grew up.

Project Description:

Willard and Kelsey operates a solar research, development and manufacturing facility in Perrysburg that currently operates one manufacturing line that will soon employ 250 workers in 2009 and 450 in early 2010. It sought funding from the Advanced Energy Job Stimulus Program to assist in the expansion of its manufacturing capacity beginning in 2009. The company is currently perfecting its production process and continuing with research and development on its solar panel technology. The W&K business plan is to create the largest cadmium telluride thin-film solar panel manufacturing park in the world. Once expansion begins in July 2009, W&K can double its capacity in six months and will continue expanding at that rate until 16 lines and 3,500 new jobs are established. The company expects to fill a number of these new positions with displaced autoworkers in the region. Average wage and benefit packages will be \$61,000. Total build-out is targeted for completion in 2015.

Funding Request: \$28 million

Approved Funding: \$10 million loan over two years

Total Project Investment: \$1.2 billion

Use of Stimulus Program Funds: Acquisition, construction, machinery, onsite expansion

Jobs Created: 3,500 by 2015

Jobs Created in Next 3 Years: 1,200

Type of Jobs Created: Manufacturing, technical, quality control

Qualifying Technology Categories:

“Increased efficiency in electricity generation without additional carbon dioxide emissions.”

“Renewable energy resources energy derived from sources including solar, wind, hydroelectric, geothermal, certain fuels derived from solid wastes not derived principally from combustion, certain byproducts of the pulping or wood manufacturing process and storage facilities that promote better utilization of a renewable energy resource.”

“Any technologies, products, activities or management practices or strategies that reduce or support the reduction of energy consumption (energy efficiency and conservation) or support the production of clean renewable energy.”

Product to be Manufactured: Cadmium telluride thin-film photovoltaic solar panels designed to produce electricity in a wide array of uses, from homes and small businesses to large power-generating facilities.

Industry Sector Customers: Utility, commercial, residential

Industry Sector Suppliers: Glass, equipment, metal fabrication, chemical



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