



PAISENERGY Solar Panel Program Update

10 July 2010

On July 7, 2010 the Department of Community and Economic Development (DCED) announced grant awards funded from the Pennsylvania Solar Energy Program (SEP). During this round of funding, a total of 37 projects were funded from approximately 70 applications, distributing \$18 million to a variety of schools, businesses, and municipalities. In total, the funded projects will have an installed capacity of 24 megawatts of solar electricity and will generate approximately 26,600 megawatt hours of solar electricity annually.

The Commonwealth Financing Authority administers Pennsylvania's economic stimulus programs, including the source of Solar Energy Program funds which originated from the \$650 million Alternative Energy Investment Fund that Governor Rendell signed into law in 2008. The SEP began in July 2009 and has awarded over \$90 million to 96 organizations. The total installed capacity of all programs will be 75 megawatts which exceeds the original program goal to fund the installation of 65 megawatts of solar electricity. The average grant value for all projects was \$1.25/watt.

All five pioneers in the 1<sup>st</sup> Phase of the PAISENERGY Solar Panel Program were successful in obtaining grants from the PA Solar Energy Program. Over \$3 million was awarded to the PAISBOA schools via Blue Renewable Energy. The PAISBOA projects are being developed by EOS Ventures on behest of CL&I, the financial arm of Blue Renewable Energy, the ultimate long term owner of the projects. The projects will produce over 3 megawatt hours of solar electricity annually and will reduce annual electric costs by \$105,445. A summary of Phase I solar arrays can be seen below.

**Summary of Phase I Systems:**

School	System Size	Annual Production	Savings vs. Current Electric Rates	SEP Grant Award
Ancillae-Assumpta Academy	101.64 kW	112,000 kWh	33%	\$ 127,100
Springside School	194.04 kW	214,529 kWh	36%	\$ 271,656
Church Farm School	1,018.08 kW	1,113,532 kWh	31%	\$ 1,191,154
Moravian Academy	1,296.00 kW	1,517,193 kWh	31%	\$ 1,360,800
Delaware Valley Friends School	83.00 kW	90,672 kWh	33%	\$ 124,740
<b>Totals</b>	<b>2,692.76 kW</b>	<b>3,047,926 kWh</b>		<b>\$ 3,075,450</b>

The PAISENERGY Solar Panel Program was created by PAISBOA in conjunction with PAISBOA's energy advisor, The Stone House Group. The Stone House Group initially partnered with PAISBOA to create a broad based energy program. The initiative now provides member schools with competitive energy procurement and demand response programs. The Stone House Group provides energy related services including climate action plans, utility master plans, commissioning and owner's representation to clients in the northeast and mid-Atlantic regions. Alteris Renewables and EOS Ventures were selected as partners with PAISBOA to create Phase I of the Program. Alteris will serve as solar system installer in the PAISENERGY Solar Panel Program. Alteris is a full service renewable energy systems integrator and project developer providing solar electric, solar thermal and wind energy solutions for residential, commercial, educational and institutional clients. EOS Ventures is a renewable energy company that finances and develops solar and wind projects. EOS will own and maintain the solar arrays with the expertise to take advantage of all available tax credits and environmental benefits.

PAISBOA schools received 17% of the funds distributed by the DCED, and will produce 12% of the solar electricity of all 37 projects that received funding. The DCED's largest award was \$2.7 million to the Frazer/Exton Development LP for a 1.8 MW ground mounted solar array, and the smallest DCED award was \$3,750 for the installation of a solar thermal system by the Urban Redevelopment Authority of Pittsburgh.

Additional information about the PAISENERGY Solar Energy Program can be found on the PAISBOA website at: <http://paisboa.org/> or <http://www.pais2know.org/>.