

SHARP®

solar electricity

VETERANS AFFAIRS BUILDING, PHILADELPHIA



PROJECT

Officials from the U.S. General Services Administration (GSA) and the Department of Veterans Affairs (VA) inaugurated a new 455kW solar power array installed on the roof of the Veterans Affairs Building located at 5000 Wissahickon Ave., Philadelphia. The project is one of the largest in Philadelphia and one of the largest in Pennsylvania. The solar power system, comprised of 1,937 Sharp* 235 watt solar modules was designed and built by Ray Angelini, Inc. (RAI), a Sewell, NJ-based commercial solar design build firm. Completed in May 2010, this solar array enables the Department of Veterans Affairs to meet nearly 5% of its electricity needs with clean, safe, emissions-free solar power.

PERFORMANCE RESULTS

The Sharp 235 watt solar modules have been deployed on a 133,000 square foot roof of a five-story building; they will generate about 555,159kWh of solar electricity per year. On an annual basis, this solar energy system will reduce CO₂ emissions by more than 398 metric tons; SO₂ emissions by 3,606 lbs; and NO₂ emissions by 1,300 lbs, as well as eliminate significant amounts of mercury. The modules were manufactured at Sharp's solar module manufacturing facility in Memphis, TN. Sharp is GSA schedule 56 contract holder which enables Sharp to supply solar modules directly to Government purchasers.

OVERVIEW

LOCATION:

Philadelphia, PA

**SYSTEM DEVELOPED,
DESIGNED & INSTALLED BY:**

Ray Angelini, Inc.

DATE COMPLETED:

May 2010

PEAK CAPACITY:

455 kW

NUMBER OF MODULES:

1,937

PRODUCT:

Sharp 235 Watt Modules

BECOME POWERFUL



"This \$6 million Veterans Affairs project is an example of how GSA is taking innovative steps to implement the latest in energy-efficient solar technology and create the energy solutions of tomorrow. The investments in alternative energy solutions can help lead the transformation to new green jobs and new green industries," said Linda Chero, GSA Acting Regional Administrator and Federal Acquisition Service Regional Commissioner.

THE NAME TO TRUST

When you choose Sharp, you get more than well-engineered products. You also get Sharp's proven reliability, outstanding customer service and the assurance of our 25-year limited warranty on power output. A world leader in solar electricity, Sharp has more solar modules currently in use than any other company worldwide.

Design and specifications are subject to change without notice.
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SHARP®

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"Sharp is pleased to be working with RAI, the GSA and the Department of Veterans Affairs to help the government achieve its sustainability and clean energy goals."

– Ron Kenedi, vice president,
Sharp Solar Energy Solutions Group

SYSTEM BENEFITS

- The 455kW solar array will generate about 555,159kW of solar electricity per year.
- The project was funded entirely by the American Reinvestment and Recovery Act (ARRA).
- On an annual basis, the solar energy system will reduce CO₂ emissions by more than 398 metric tons; SO₂ emissions by 3,606 lbs; and NO₂ emissions by 1,300 lbs, as well as eliminate significant amounts of mercury.