



solar electricity

DAYTON POWER & LIGHT INSTALLS SHARP SOLAR POWER



PROJECT

The Dayton Power and Light Company's (DP&L) first solar installation was also the largest in southwestern Ohio.

The new 1.1 MW solar photovoltaic array is comprised of 9,120 Sharp® thin film solar modules situated on 7 acres in Washington Township, Montgomery County, Ohio. Construction commenced in December 2009 and continued through snow, rain, freezing temperatures and high winds. The system began operating in late March 2010, on schedule and on budget.

SOLUTION

DP&L collaborated with technology, engineering and construction leaders on the project. The team of local experts was led by Ameridian Specialty Services of Cincinnati.

The electricity is transferred to Dayton Power & Light's transmission lines, where it is distributed to homes and businesses. The Yankee Solar Array will help DP&L meet the goals of Ohio's energy legislation, which includes targets for generating electricity from renewable sources, with specific guidelines on solar.

OVERVIEW

LOCATION:

Dayton, OH

SYSTEM DEVELOPED, DESIGNED & INSTALLED BY:

Ameridian Specialty Services, ESI Electric,
Miller-Valentine, Inovateus Solar and
Schneider Electric

DATE COMPLETED:

March 2010

PEAK CAPACITY:

1.1 MW

NUMBER OF MODULES:

9,120

PRODUCT:

Thin Film modules

Dayton Power and Light serves more than 500,000 customers in 24 counties in southwestern Ohio. In 2011 the company will celebrate its 100th anniversary.

BECOME POWERFUL



PERFORMANCE RESULTS

The Yankee Solar Array generates enough electricity to power the equivalent of 150 homes and is helping DP&L satisfy Ohio's renewable energy goals – 25% of all energy consumed by Ohioans will be from alternative energy technology by 2025. Of that, .5% must be solar energy and half of all renewable energy is to be produced in Ohio. In addition to exploring alternative energy resources, DP&L also offers energy efficiency programs to help residential and business customers save money and energy.

The installation site includes an educational kiosk, to help students and other visitors learn about solar power and its role in producing power in the region.

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 global leader in solar electricity, Sharp powers more homes and businesses than any other solar manufacturer worldwide.

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

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“Sharp is pleased to be helping Ohio reach its goals of sustainability by harnessing the power of solar electricity.”

– Eric Hafter, senior vice president,
Sharp Solar Energy Solutions Group

SYSTEM BENEFITS

- The Yankee Solar Array will help DP&L meet the goals of Ohio's energy legislation.
- The array will generate enough electricity to power the equivalent of 150 homes.
- The installation also includes an educational kiosk, to help students and other visitors learn about solar power and its role in producing power in the region.
- Construction took over 13,000 man hours to complete, with more than 80% of labor provided by local, Ohio contractors.