

Southern Illinois University at Edwardsville



Program Area:

Energy Program

County:

Jackson

Grantee:

Southern Illinois University at
Edwardsville

Grant Date:

April 27, 2009

Grant Amount:

\$200,700

Location:

Edwardsville, IL 62026

In 2009, the Environmental Resources Training Center (ERTC) at SIUE installed a 32kW photovoltaic array on its roof and a 20 kW wind turbine adjacent to the building. The ERTC operates a training scale water treatment plant that trains students to become water treatment operators, supervisors and managers. In addition to providing a portion of the facility's electric load, the wind turbine and photovoltaic system also educate students about the use and benefits of renewable energy.

The two systems complement each other, with the photovoltaic array generating most of the power in the summer and the turbine generating most of its power between November and May. As of December 2013, the solar panels and wind turbine have saved over \$10,600 in electricity costs. The savings have helped to fund the maintenance and repair of the facility.

Watch the 'Alternative Energy at the ERTC' video:

http://www.youtube.com/watch?v=bqh_TEMrFJE

For additional information about the project, please contact Paul Shetley at (618)650-2214 or pshetle@siue.edu