

Great things are happening at the Porter County Career and Technical Center in the area of Green Energy. Porter County's innovative technology center developed a project that would allow students to construct the necessary hardware associated with the installation of solar and wind power systems to reduce energy costs and conserve energy use. The project started with the construction of one wind generator and the purchase of six solar collectors. They also installed a robotic tracking device that held two PV panels to follow the sun across the sky with the panels always tilted at the optimum angle towards the sun.

Their flag illumination, a display case, some classroom lights, and most of the overhead lights in their longest hallway are completely powered by alternative energy. Porter County Career and Technical Center has now added a second generator as well as several new solar panels, increasing their ability to generate clean energy.

Innovative Green Energy initiatives, such as the one demonstrated by Porter County Career and Technical Center, give students the opportunity not only to conserve energy, but provide them with the skills associated with constructing new energy resources.



UTILIZING THE POWER OF THE SUN IN PORTER COUNTY

"The use of solar power reduces oil consumption on a global basis by 75 million barrels annually and keeps 35 million tons of carbon dioxide out of the atmosphere."

*U.S. Energy Information Administration*

