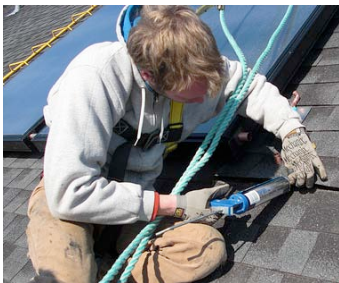




## Kentucky Can Do It

*By tapping into our clean energy resources and building on existing momentum, we can curb energy costs and get our economy back on track.*

### Clean Energy Jobs Grow Faster in KY



*Clean energy jobs and businesses in Kentucky are growing at a faster rate than jobs overall.*

*General state job growth was 3.6% last year, while renewable energy and efficiency jobs grew by 10%. This trend is expected to continue.*

*These are good jobs. The Kentucky Office of Employment and Training reports that most of Kentucky's clean energy sector jobs are full time positions requiring no more than a high school education.*

### Kentuckians Deploy Clean Energy Resources

Kentuckians across the state are saving money through efficiency investments and ramping up use of renewable resources like solar and geo-thermal.

- Kentucky Habitat for Humanity and Frontier Housing are successfully building quality, energy efficient homes for affordable prices. Lower energy bills help families to stay in their homes and to thrive.
- Geo-thermal heating and cooling and solar hot water system installers report that payback for KY residential systems average 4-7 years. Kentuckians across the state are taking advantage of this quick payback and installing systems in their homes and businesses.

### Clean Energy Solutions Curb Energy Costs For Kentuckians

Kentuckians' electric rates have risen sharply in the last few years and will continue to do so. Already, 1.5 million Kentuckians in low-income households spend more than 20% of their income on energy bills.

- **Studies show that with a greater mix of efficiency and renewable energy, over the next decade Kentuckians' electric bills will stay the same or be even lower than they would otherwise.**
- Energy efficiency improvements cost less than half as much as Kentucky's retail electricity rates on average.
- Renewable energy costs are rapidly decreasing - solar energy prices have dropped 33% over the past 3 years.

### Kentucky's Clean Energy Momentum Is Creating Jobs

Several homegrown clean energy businesses have opened recently, including Alternative Energies, LLC, a solar panel manufacturing plant in Danville. Clean energy policies will:

- Allow existing and new businesses to succeed
- **Create 26,000 jobs in manufacturing, construction, retail and more**
- Establish career pathways for Kentuckians currently being trained for 21<sup>st</sup> century clean energy technology jobs

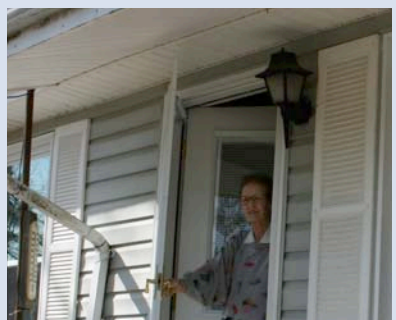


**Since 2003 the Warren County Public School has offset more than \$5.9 million with its energy-savings initiatives. These savings equate to more the 124 teaching positions.**



***“I’ve been interested in alternative energy since I was in high school - and I am 40 now. When I finally had the opportunity to get training through a grant - I jumped on it”***

**- Carey Grace Henson,  
Madison County**



***“Improvements in the efficiency of our buildings will help Kentucky families manage the cost of living in older, inefficient homes”***

**- Frontier Housing**

## **Across the Commonwealth – Clean Energy Successes**

### **Sustainable Elementary School Saves Thousands**

Richardsville Elementary is a net zero Elementary School in Warren County. “Net zero” means the school will save energy and, in some cases, make money back on the energy they produce. Richardsville is highly energy efficient, utilizes active day lighting, and thin film photovoltaics that are embedded in the roofing material. Money saved in energy bills goes back to teachers’ salaries and kids in the classroom. The program was so successful that other schools within the Warren County School system are beginning to model it.

*Further investments in energy efficiency in the educational system could mean less money spent on big energy bills and more money for education.*

### **Industrial Efficiency Saves Money For Manufacturers**

Sherwin-Williams is the largest producer of paint in the United States today. The company owns over 3,000 stores throughout North America, with one of its largest plants located in Richmond, KY. The Kentucky-based Sherwin Williams plant is doing something unique – it’s leading the way on industrial efficiency.

In 2008, via a partnership with the Division of Energy’s Industrial Technology Program, Sherwin William began the process of launching an energy reduction program. By the 2010 the plant had reduced its total energy consumption by over 25% - with the potential to reduce energy intensity to 50% as more improvements are brought online.

*The energy savings realized through this kind of corporate – and plant-level leadership - have the potential to revitalize the economic outlook for manufacturing across America.*

### **Kentuckians Look To Solar As a Career Path**

Carey Grace Henson, a resident of Madison County, recently joined thirty-one other Kentuckians at a vocational training in solar design and installation offered by the Kentucky Solar Energy Partnership.

Casey hopes to use her new skills to bolster a career in sustainable building practices. But she believes Kentucky still has a ways to go until people like her can really flourish in their industries. “Access to grants and low-interest loans, additional training programs – coupled with state energy policy that encourages utilities to use renewable resources – would help jump start this new economy. There are people all around Kentucky that would like to do this sort of thing but money and policies in the state are the primary barriers.”

### **Saving Makes Sense to Betty**

Betty Ruth Hogge, a 78-year old widow living on \$10,920 per year, raised her family in her forty-year old Morehead home. In recent years, high utility and medical bills put her at risk of foreclosure.

Frontier Housing Green Solutions worked with Betty to improve her home’s efficiency. Betty’s electricity bills have decreased and she saves much more per month than what she spends on the loan for the home efficiency upgrades.

*Betty says her home is warmer and quieter and that the indoor air quality has improved.*