# Green jobs provide new opportunities

Green jobs are in the news a lot these days, but what exactly is a green job?

Millions of dollars in American Recovery and Reinvestment Act money – from the "stimulus bill" - are available for training and retraining employees to apply "green" energy-efficiency principles in their work.

The first and most obvious category of green jobs is in the area of construction. Teaching builders and installers how to weatherize structures, install solar panels and set up geothermal heating and cooling systems is a growing part of the energy efficiency initiative.

Plumbers, electricians, maintenance staff and mechanics can all learn green techniques for better, more efficient use of their building and maintenance applications. Energy auditors are being trained to pinpoint efficiency improvement. And a "smart grid" will help us all – businesses and households schedule electrical use in a more efficient manner, reducing the energy need or demand away from peak times and ultimately saving

Locally, Midwest Energy's "How \$mart" program has garnered much interest using Recovery Act money to offer energy audits that produce efficiency fixes for households in its service area.

the production of renewable energy, such as wind and biomass projects. The wind energy industry has great promise for Kansas, the third windiest state in the nain production and more than 50 others in development.

which employ managers, wind en- manufacturing, retail and corpoergy technicians and construction rate work. crews, the component manufac-



#### Susan **Nickerson**

Smarter Workplace

turing supply chain that holds potential for Kansas manufacturers who are ready with quality control certifications.

To learn more about wind energy in Kansas and the opportunity to be part of a supply chain for turbine parts and towers, consider attending the Kansas Wind Supply Chain Workshop on Monday, Oct. 5, and the Kansas Wind and Renewable Energy Conference on Tuesday and Wednesday, Oct. 6 and 7, both in Topeka. For details, visit KansasCommerce.com.

Creating biofuel from agricultural products and waste is also considered a green industry with green jobs. Kansas currently has 11 ethanol and two biodiesel plants in operation. In development are projects that utilize crop waste and various vegetation to produce fuel.

All workers have a green component to their job, whether it's turning off lights, computers and equipment to save energy or doing one of the more obvious greenrelated job functions. The greener we all think, the better off our Another area of green jobs is in bottom line will be. And in these tough economic times, the more efficiently we can work, the better it is for us all.

Susan Nickerson, west regional tion. Kansas has eight wind farms director for the Kansas Department of Commerce, Workforce Development Division, has expe-Along with the wind farms, rience in education, nonprofits,

# Study of wind project gets grant for Atwood

A project near Atwood in Rawlins County by Danken Energy LLC has been selected for a grant of \$38,800 from the U.S. Department of Agriculture's Rural Development administration.

The money will be combined with an applicant contribution of \$116,400 to complete a feasibility study for a proposed 300-megawatt wind-energy project.

This project was one of 13 chosen to receive a total of \$675,054 in loans and grants to make energy-efficiency improvements and conduct a feasibility study for a renewable energy system. The money comes from the Rural Energy for America Program, established in the 2008 Farm Bill, and is not part of the so-called stimu-

## K-State ag management class deadline coming October 30

sity's Management, Analysis and their own time. Strategic Thinking program for known as MAST.

The program is designed to enhance management skills and provide new decision-making tools and strategic planning strategies, said coordinator Alicia Goheen. It is based in K-State's Department 24. Class members will provide of Agricultural Economics.

Past participants have come from a wide range of agricultural backgrounds, including cow-calf producers, diversified crop farmers, land owners and dairy managers – and from across the United States, including Iowa, Missouri, Texas, Virginia, and Minnesota.

The program starts with a twoday on-campus orientation, Monday and Tuesday, Nov. 16-17, where participants meet one another as well as program administrators and faculty. After the ori- tion office or call Goheen.

Friday, Oct. 30, is the deadline entation, participants return home to enroll in Kansas State Univer- to work on the course modules on

The modules, taught by Agrifarm and ranch operators, also cultural Economics faculty, cover such topics as land, machinery, financial analysis, human resources, taxes and pubic policy, risk management and marketing.

The program will end with a second on-campus visit Feb. 23feedback and participate in a graduation ceremony.

Tuition is \$1,250 per person or \$1,100 per person if two or more participate from the same business. Information is available at www.agmanager.info/MAST/ or by contacting Goheen at (785) 532-4434 or agoheen@agecon. ksu.edu.

Farm Credit of Kansas is offering partial scholarships for association members. For information, stop by your Farm Credit Associa-

# 4-H offers new energy project

A new 4-H project focuses on blades in a pinwheel to provide sustainable energy and should be the desired effect. of high interest to Kansans, a Kansas State University spokesperson

The project, titled "The Power of the Wind," is geared toward fifth through eighth graders and explores basic scientific principles related to energy, the environment, and ways in which to harness energy, said Gary Gerhard, Kansas State University professor neering and technology in 4-H and 4-H youth development spe-

cialist. "Students choosing the project will learn about different applications of wind as energy," said Gerhard, who noted that lessons within the project range from studying the aerodynamics of a basic pinwheel to Bernoulli's Principle and

how an airplane can fly. More technical lessons will focus on adjusting the angle of the

5 Other CFP 9-28-09.indd 1

As with all 4-H programs, ageappropriate educational materials introduce a topic and are followed up with a series of skill-building activities, Gerhard added.

The new project fits within the Science, Engineering and Technology curriculum stressed in 4-H programs, he said.

A move toward science, engiprojects has been gradual, and includes robotics, rocketry, global positioning systems (GPS) and space technologies, said Gerhard, who noted that 4-H projects often jumpstart a lifelong interest or the basis of a career.

Information about "The Power of the Wind," or other Kansas 4-H projects and opportunities is available at www.kansas4h.org.

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