

OKLAHOMA

www.okcommerce.gov/energy



FY 2006

Performance:

- 18 communities and organizations supported
- \$565,077 Federal Award
- \$269,999 leveraged in additional federal, state, local and private dollars

Oklahoma State fiscal year 2006 saw historically high energy costs, which served to underline the importance of reducing dependence on foreign oil and develop affordable, energy-efficient technologies to run our homes, businesses, schools, and vehicles. The State Energy Office (SEO), managed by the Oklahoma Department of Commerce, promotes partnerships between citizens and businesses to encourage energy efficiency and turn renewable energies into a viable alternative to fossil fuels. Funds from the U.S. Department of Energy are used to design renewable energy and energy-efficient programs that best fit the needs of the communities in Oklahoma.

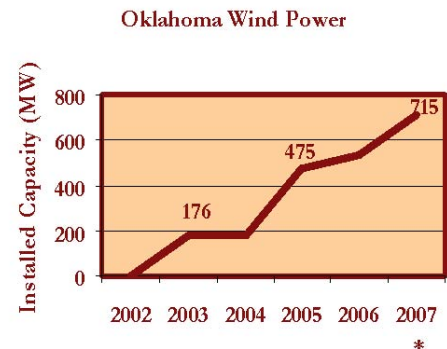
	Federal Funds	Non Federal	Total Projects	Leverage
FY 05	485,039.61	153,030.97	638,070.58	32%
FY 06	565,077.51	269,998.99	835,076.50	48%
Special Projects	331,381.27	211,782.00	543,163.27	64%
Total	1,381,498.39	634,811.96	2,016,310.35	46%

Education and Outreach

The State Energy Office helps provide outreach and educational materials on renewable energy activities in Oklahoma by serving as a sponsor or supporter for various groups, including Emerging Energy Technology Conference, where more than 300 people gained information on the evolving energy economy. Participants heard experienced national and local speakers provide updates on innovative energy solutions, including advances in production techniques as well as in delivering energy to market. The conference and exposition also provided the latest information on emerging renewable energy projects, developing new partnerships and potential economic development opportunities.

Oklahoma Wind Power Initiative

The Oklahoma Wind Power Initiative began in 2000 as a partnership between the University of Oklahoma and Oklahoma State University. With the help of State Energy Program grants, OWPI took advantage of 10 years of meteorological data from the Oklahoma Mesonet to create detailed maps of Oklahoma's wind resource. Shortly thereafter Oklahoma began a wind power boom. OWPI continues to promote the growth of the renewable energy sector in Oklahoma.



* Based on 2007 projects planned

State Energy Office Objectives

- ◆ Promote partnerships between private citizens and businesses to encourage energy-efficiency and pursue renewable energy projects.
- ◆ Provide education on renewable energy, energy efficiency and energy-saving opportunities.
- ◆ Facilitate the deployment of new energy efficiency and renewable energy technologies and practices.
- ◆ Promote economic growth with improved environmental quality.
- ◆ Provide technical assistance to communities.
- ◆ Administer grants and special projects.
- ◆ Facilitate energy policy discussion.

Century Community Lighting Grants - \$100,000

The Oklahoma State Energy Office and the Century Community Program partnered together in FY 2006 to establish the Century Community Lighting Grant Program, which targets the installation or replacement of lighting fixtures with energy-efficient units to save energy while maintaining good light quality and quantity. The grant funds are designed to help Oklahoma communities save energy by using new energy efficient lighting technologies in parks, parking lots, traffic signals, and other publicly owned lighting structures. Lighting units may be interior or exterior, but must contribute to the community as a whole. The following communities received CCP Lighting Grants in 2006:

- ◆ Clinton
- ◆ Hobart
- ◆ Mill Creek
- ◆ Okemah
- ◆ Stonewall

Best of Building Science

Among the recent Oklahoma State Energy Office special project recipients is the Best of Building Science Online Training. The website features lessons learned



from the U.S. Department of Energy Building America program, delivered by some of the nation's foremost building science professionals. They incorporate content from such sources as the Affordable Comfort conferences. Home Energy magazine articles, and the

DOE Building America partner technology reports. Presented in a videobased "in the field" format available 24/7 and specifically designed for builders, sub-contractors and design professionals in the residential construction business.

Energy Star Challenge

In 2006, State Energy Office staff challenged all Department of Commerce employees to the national energy star challenge of converting at least one light bulb in their homes to one that is more energy efficient. The EPA's annual "Energy Star—Change-a-Light" campaign urges Americans to replace a light in their homes to a more energy-efficient one as an important step to save energy.



The results:

Commerce employees purchased 214 energy efficient light bulbs during the October campaign. The State Energy Office estimates resulting emission reductions will be equivalent to taking 10 cars off the road for one year, or planting 15 acres of forest. In addition, employees will save \$800 to \$1,200 in energy costs on their combined annual electric bills.