

SOUTH CAROLINA

www.energy.sc.gov

The South Carolina Energy Office provides a broad range of resources designed to help citizens, businesses, and public entities save energy - and money - through greater efficiency, better information, and enhanced environmental quality.

Maximizing Federal Resources in South Carolina: The State Energy Program (SEP) in South Carolina connects local expertise with federal funding to address state and national energy priorities. As the table below shows, we have been able to leverage federal dollars with local resources to produce a significantly larger funding pool. Furthermore, for those projects completed since FY2000, each federal dollar spent has produced approximately \$17.40 in energy savings.

Year	State Energy Program	Special Project Grants	PVE and Local Match	Total Funding Resources	Energy Savings* (In dollars)
FY 01	\$461,000	\$1,006,466	\$2,612,194	\$4,079,660	\$13,586,526
FY 02	\$534,000	\$258,520	\$2,991,519	\$3,784,039	\$18,095,651
FY 03	\$640,000	\$479,368	\$2,029,792	\$3,149,160	\$18,867,489
FY 04	\$641,000	\$1,809,674	\$4,926,967	\$7,377,641	\$16,541,747
FY 05	\$627,000	\$440,535	\$7,134,247	\$8,201,782	\$53,771,802
FY 06	\$636,000	\$489,139	\$963,350	\$2,088,489	\$18,884,627
Total	\$3,539,000	\$4,483,702	\$20,658,069	\$28,680,771	\$139,747,842

*Savings are based on projects completed in each fiscal year, rather than awards

Reducing Energy Expenditures for Schools and Government Buildings: The SEP helps school districts and state government agencies save tax payer dollars by reducing energy expenditures. In FY 05-06, SCEO:

- ◆ Trained over 800 facility managers, architects, engineers, and others from 251 public and private entities through energy audits, technical assistance and workshops.
- ◆ Conducted energy audits that would save over \$200,000 annually for clients. Additionally, FY06 implementation of audits conducted the previous year will provide annual savings of \$246,000.
- ◆ Made utility bill analysis available to state and local government units by working with the State Procurement Office to establish a statewide term contract. Contractors will be reimbursed from savings, so that agencies will pay nothing for the service.
- ◆ Added three new loans through the ConserFund program which will account for \$2.6 million in energy savings. The 29 total loans in the SCEO's ConserFund portfolio will generate nearly \$30 million in energy savings over their lifetime.

Assisting Individuals and Private Businesses to Save: The SEP helps individuals manage energy expenditures through a number of educational programs. In FY 05-06, SCEO:

- ◆ Certified over 2000 manufactured homes as energy efficient, in order to assist buyers in limiting energy expenditures and qualifying for an energy efficient mobile home tax credit. These efficient homes save residents over \$488,000 per year. More than 47,000 energy efficiency labels have been distributed since 1998 with savings to owners of over \$9 million annually.
- ◆ Truck Stop Electrification program, with locations in Georgia, North Carolina, and South Carolina continues to displace more than 220,000 gallons of diesel fuel, saving \$550,000 per year and more importantly, preventing the release of 2,300 metric tons of carbon dioxide annually.

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Fostering a Competitive Economy: Many of SEP's energy efficiency and renewable energy projects directly benefit South Carolina's economy and help mitigate environmental degradation and the loss of economic investment. SCEO has:

- ◆ Worked closely with industry to foster development of landfill gas facilities. There are now 5 in operation and another 9 under construction in South Carolina. The 5 operational facilities are expected to generate more than 54 megawatts annually. Once operational, those under construction will produce 72-80 MWH. This puts a waste to beneficial use and saves end users money. One example of the benefits of landfill gas development is the Palmetto Landfill Project, in Greer, SC, which supplies approximately 67 percent of BMW's annual energy need.
- ◆ Supported DOE's Million Solar Roofs Initiative with nearly 150 systems in place. Beginning in FY 2007, South Carolinians will be able to take advantage of an income tax credit up to 25 percent of the solar installation and equipment costs for homes or business, up to \$3,500. Through the SC Solar Council, SCEO assists small businesses providing solar installations.
- ◆ Sponsored the South Carolina Clean Fuels Coalition, which resulted in the establishment of 39 ethanol and 42 biodiesel refueling stations throughout the state. Since 2004, more than 13.1 million gallons of ethanol and 1.3 million gallons of biodiesel have been sold.
- ◆ Supported entrepreneurs interested in building biofuel production facilities in the state through identification of resources and promotion of favorable legislation. Two new plants benefiting from SCEO efforts began operation in FY 2006.
- ◆ Successfully sought legislation creating production and infrastructure tax credits, one-time sales tax rebates for qualifying new automobile purchases, and sales tax rebates for plug-in hybrid conversions.

Educating the Public: The SEP reaches a variety of audiences in the state through its web site, newsletter, marketing materials, news releases and participation in at a variety of community events. Since 2000, the SCEO has saved South Carolina nearly \$1 million through various public awareness activities. We:

- ◆ Participated in 4 America Recycles Day events and five Earth Day events across the state.
- ◆ Answered nearly 400 information requests from the public.
- ◆ Distributed approximately 9,500 energy-related publications to citizens throughout the state.
- ◆ Conducted energy audits that would save over \$200,000 annually for clients. Additionally, FY06 implementation of audits conducted the previous year will provide annual savings of \$246,000.
- ◆ Informed 1,150 people at events across the state.
- ◆ Participated in regional home shows to showcase energy-saving techniques and technologies for the residential sector in Columbia. The SCEO answered questions from attendees, and distributed more than 1,500 pieces of literature.

SCEO's "Energy Tonight" an SEP-funded program for school children was named the winner of the 2006 Emmy in the *Excellence in Television, Youth Programming* category by the Academy of Television Arts and Sciences

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Protecting the Environment: SCEO recognizes that energy conservation will improve air quality, help to address global warming, and create an energy independent South Carolina. South Carolina State Energy Program activities have resulted in the following reductions:

Pollutant	Metric Tons Eliminated
Carbon	11,706
SO ₂	131
NO _x	95
CO	16
Fine Particulate Matter	4
Volatile Organic Compounds	3