

# PENNSYLVANIA

<http://www.depweb.state.pa.us/>

**Pennsylvania Department of Environmental Protection (DEP)  
Office Of Energy and Technology Deployment (OETD)  
State Energy Program**



The goal of the Office of Energy and Technology Deployment is to effectively work with citizen's groups, businesses, trade organizations, local governments and communities to help them reduce pollution and save energy. Part of that effort includes encouraging the deployment and use of innovative environmental and advanced energy technologies, including renewable energy. The majority of our energy efficiency and renewable energy initiatives are funded or catalyzed by the State Energy Program.

### **Alternative Energy Portfolio Standard**

Pennsylvania's Alternative Energy Portfolio Standard, one of the most progressive in the nation, ensures that 18 percent of all retail energy generated by 2020 comes from clean, efficient and advanced resources. The law promises to substantially build on the state's leadership in wind production east of the Mississippi, with wind sources currently providing enough clean energy to power some 70,000 homes.

### **Pennsylvania Energy Harvest Grant Program**

Energy Harvest grants fund projects that use energy sources such as solar, wind, biomass, geothermal, biodigestion and landfill methane gas, as well as provide financing for energy efficiency and "green" building projects. SEP funding is essential to the Energy Harvest program. Since the program was launched in May 2003, approximately \$4 million of SEP expenditures have resulted in the outlay of \$17million in state funds and leveraged another \$51.9 million in private funds.

### **PEDA**

The Governor announced an investment of \$6.4 million in 16 clean energy projects in 2006 through the Pennsylvania Energy Development Authority. The projects will create 316 permanent positions and up to 280 construction jobs in Pennsylvania, as well as to leverage more than \$38 million in private funds. Since 2005, PEDA has awarded \$21 million in grants and loans for 57 clean energy projects that will leverage another \$240 million in private investment. The projects will create 975 permanent and construction jobs.

### **Pennsylvania Wind Energy Program**

With 179 megawatts of wind energy capacity, Pennsylvania is one of the leading states in wind generation east of the Mississippi. The level of wind energy investment in Pennsylvania is a result of many factors, including SEP involvement. SEP funded the development of a business plan for Community Energy, Inc. to market wind energy from Pennsylvania wind farms, and a wind energy marketing program for the Mid-Atlantic region, which, along with Pennsylvania's Green Power Purchase (see Governor's Green Government Council) really expanded the voluntary market and has paved the way for the approximately 4000 Megawatts of wind energy capacity expected by 2020 through full implementation of the Alternative Energy Portfolio Standard. More recently, Pennsylvania has established collaborative partnerships between the wind industry, state and federal agencies, local governments and non-profits to create a model local government ordinance, a clarified tax policy, and best practices to insure wind development proceeds while ensuring thorough protection of our wild resources. Because of that leadership, Pennsylvania is now the United States home to both Iberdrola and Gamesa, two of the largest wind and renewable energy companies

in the world.

**Alternative Fuels Program**

The Alternative Fuels Program promotes the use of alternative transportation fuels in Pennsylvania through demonstrating their positive environmental impact, technical feasibility, and energy efficiency. Originally designed to assist state agencies under legislative mandate to operate a percentage of their fleets on alternative fuels, the program is currently more inclusive. Program initiatives include the Pennsylvania Alternative Fuels Incentive Grant (AFIG) and managing the Pittsburgh and Philadelphia Clean Cities Programs. From 2003-2006, AFIG awarded 140 grants totaling \$7,446,590 in the categories of biodiesel production, biodiesel purchase, E85 and biodiesel infrastructure, construction, landfill methane liquefaction, hydrogen fleet demonstration, idle-reduction. 5,483 rebates for hybrid electric vehicles have been awarded totaling \$2.74 million.

**Governor’s Green Government Council**

The Governor’s Green Government Council was established by executive order in 1998 to help state government embed environmental sustainability throughout its policymaking and operational processes. The council works in partnership with agencies throughout the Commonwealth and by extension with their constituencies, as a catalyst to stimulate the development and continuous improvement of environmentally sustainable practices in planning, policymaking and regulatory operations. The GGGC has advocated green, energy efficient buildings and has implemented several Commonwealth green buildings. Pennsylvania is second only to California in the number of buildings certified by the U.S. Green Building Council under the internationally recognized Leadership in Energy and Environmental Design program. The GGGC was influential in Pennsylvania’s recent green energy purchase of 200,000 megawatt hours a year, or 20 percent of state government’s electricity, from renewable sources such as wind and hydroelectric energy. The enhanced purchase makes Pennsylvania the largest state purchaser of green electricity and ranks Pennsylvania number 12 on the U.S. Environmental Protection Agency’s Top 25 Green Power Partners list. ([www.gggc.state.pa.us](http://www.gggc.state.pa.us)).

**State Energy Program (SEP) - Funding**

<b>State Energy Program(SEP) - U.S. Department of Energy</b>				
<b>Funds Awarded and State Cost Share – Pennsylvania</b>				
<b>State FY</b>	<b>Federal SEP Grant</b>	<b>Cost Share</b>	<b>Total State Match</b>	<b>Cost Share</b>
FY 2000	\$1,357,000	44%	\$1,698,668	56%
FY 2001	\$1,508,000	46%	\$1,789,222	54%
FY 2002	\$1,722,000	46%	\$1,997,645	54%
FY 2003	\$1,717,000	39%	\$2,649,000	61%
FY 2004	\$1,753,000	34%	\$3,429,751	66%
FY 2005	\$1,706,000	29%	\$4,241,345	71%
FY 2006	\$1,394,000	23%	\$4,657,999	77%
<b>Totals</b>	<b>\$11,157,000</b>	<b>35%</b>	<b>\$20,463,630</b>	<b>65%</b>