

<http://www.nyserda.org/>

The New York State SEP (base and competitive) grant funding from the U.S. Department of Energy supports the deployment of various energy efficiency programs and services by the New York State Energy Research and Development Authority (NYSERDA). NYSEDA leverages these SEP funds with System Benefits Charge funding and private sector funds. In addition to reducing energy use, the energy programs improve productivity, stimulate private investment, retain/create jobs, displace petroleum, reduce electric peak load concerns and improve air quality, while achieving the following statewide impacts:



**Over 160 Businesses, Multi-Family Buildings and Institutions Receive Detailed Technical Assistance Annually**

**FlexTech** (Flexible Technical Assistance) is a national award winning service, including an ACEEE Exemplary Program Recognition. FlexTech provides co-funded, onsite energy engineering services through 35 competitively retained energy service providers. A series of evaluations determined that every \$1 of funding from SEP leverages \$17 in capital investments and \$5 in annual participant energy savings.

**The ResTech Program (Residential Technical Assistance)** provides co-funded, on-site energy evaluation, accompanied by financial packaging and engineering services to multifamily building owners and manager. Building owners are offered reimbursement of their contribution, based on installation of cost effective improvements. 15-18 buildings receive assistance each year.

**\$1.7 Million Leveraged in Agricultural Initiatives**

Twelve projects, both showcase demonstrations and energy efficiency projects, provide improved energy efficiency, productivity, and the environmental impact in the agriculture sector.

**\$125 Million Leveraged in Private Financing for Energy Capital Improvements**

Committing \$125 million in private financing for energy performance contracts at 44 state facilities (SUNY campuses, prisons, etc.) under the State EnVest program, with cost savings to exceed \$15 million annually.

**Over 216 Green Building Projects with Higher Efficiency Equipment**

These “green buildings” projects in commercial new construction and building renovation total over 39.5 million square feet of floor area and, on average, exceed the current Energy Code by 16% at an incremental cost of only 1-2%. There are 104 registered LEED projects in New York, and 216 projects that NYSEDA is working with that are looking for “green” technology and features.

**New York State Energy Code Upgraded**

Impacts will include over \$3.5 million in annual energy savings that affect 24,000 new single family homes and over \$42 million in annual energy operating cost reductions in over 120 million square feet of new and renovated commercial space. The new Energy Code, upgraded in 2002, is based upon the IECC 2000 platform and represents a 12-14% higher standard from the previous New York Energy Code, and an updated version of the Energy Code is scheduled to be adopted in mid 2007. SEP Special Projects funding supports Energy Code Training that has been provided by the New York Department of State to over 3,000 code officials, and builders in the past 4 years.

### **104 Alternative Fuel Vehicles and 18 New or Expanded Fueling Facilities Deployed. An additional 37 diesel vehicles retrofitted with anti-idling technologies.**

Supports six Clean Cities Coalitions across the State and accelerates the introduction of electric, hybrid-electric, propane, natural gas, ethanol, and biodiesel-fueled vehicles in public and private fleets. Services include vehicle deployment, anti-idling technologies, refueling facility/infrastructure development, information sharing, and stakeholder coordination. Approximately 3.4 million gallons of petroleum will be displaced as a result of these projects. An additional 2.3 million gallons of petroleum will be displaced annually through biofuels projects with petroleum distributors.

### **Ethanol update**

NYSERDA has been working on a network of five E85 fueling facilities along the main corridor of New York from New York City to Buffalo for use by State fleet vehicles. Four of these facilities have been completed with the fifth site in Syracuse scheduled for completion in July 2007.

### **Rebuild New York's Energy Smart Communities**

Nine regional partnerships target local needs by bringing together organizations that contribute to highly visible projects that demonstrate how energy efficiency and energy resource approaches create economic, social and environmental benefits. Over 154 million square feet of projects have been referred to NYSERDA for assistance. To date, incentives totaling \$4 million have been awarded.

### **\$8 Million Leveraged in Financing of Industrial Improvements**

Fifteen industrial sites around the state were designated Showcase Demonstrations, promoting underutilized technologies which can improve productivity, energy efficiency and environmental performance.

### **Rebuild New York's Energy Smart Communities**

Nine regional partnerships target local needs by bringing together organizations that contribute to highly visible projects that demonstrate how energy efficiency and energy resource approaches create economic, social and environmental benefits. Over 154 million square feet of projects have been referred to NYSERDA for assistance. To date, incentives totaling \$4 million have been awarded. Also, over 100 mixed-use commercial and residential buildings are expected to install measures valued at \$800,000 and serve as a model for reaching these customers.

### **Long Island Home Owners Participate in Assisted Home Performance with ENERGY STAR**

A co-funded pilot, managed by Community Development Center of Long Island (CDC-LI), with the Long Island Power Authority (LIPA) ended September 30, 2006 with 124 Assisted Home Performance projects completed. LIPA matched the investment of SEP funds for its customers that jointly offered an average \$4,225 subsidy for cost-effective energy efficiency improvements or 50% of the total cost. CDC-LI, through low interest financing, was able to assist these lower-income customers with the balance of the project.

### **Executive Order requires 200 state entities to have "Green and Clean" Buildings and Vehicles**

Since 2001, when Governor Pataki's Executive Order No. 111 went into effect, State entities comprising 215 million square feet in over 10,000 buildings have reported a 10.2% per square foot energy reduction, nearly 2,100 new clean vehicles, 13.2 Gwh of renewable power, and construction of dozens of green buildings.

## NEW YORK

---

State purchasing equipment standards have been enacted for 12 products and standards for 5 additional products are anticipated by February 2007.

### **New York State Appliance Efficiency Standards**

NYSERDA is working with the NY Department of State to enact efficiency standards for state-regulated incandescent reflector lamps, metal halide lamp fixtures, external power supplies and a variety of consumer electronic products. These standards will apply to all products sold in New York State. After only four years of implementation, the standards are estimated to deliver the following annual benefits: 215MW of demand reduction, 1,100 Gigawatt-hours of energy savings, \$143 million in energy cost savings to New York consumers, and associated emissions reductions equivalent to removing 76,000 vehicles from the road.