

## **Kentucky State Energy Program (SEP-Recovery) Energy and Environment Cabinet (EEC)**

Planned Project Activities  
April 2009 through March 2012

### **Kentucky Energy Efficiency Program for Schools (KEEPS) – (\$9,808,600)**

HB 2, passed in the 2008 Regular Session of the Kentucky General Assembly mandated that all K-12 public school districts enroll in KEEPS by January 2010. The proposed funding level provides meaningful support for the 174 districts by expanding the existing KEEPS program managed by the University of Louisville's Kentucky Pollution Prevention Center (KPPC). A system of regional coordinators, technicians and engineers will be available to guide districts through the process of implementing energy efficiency programs. The program would also provide stipend funding to Kentucky K-12 public school districts to support district-based energy program managers. The ultimate goal is to reduce annual building energy consumption by at least 10 percent. Kentucky school districts spend about \$153 million annually for energy used in buildings.

In addition, KEEPS would partner with two other education programs to increase effectiveness:

### **KY National Energy Education Development Project (NEED) – (\$1,000,000)**

NEED will hire four part-time regional coordinators, an administrative assistant and will purchase for 300 kits for classroom use, 500 NEED memberships and will produce workshops and conferences for schools. Kentucky NEED is the state affiliate of the National Energy Education Development (NEED) Project, a national non-profit organization that was created in 1980 by a Joint Congressional Resolution.

**KY Green and Health Schools Program (GHS) – (\$ 214,800)** Funding is provided for a program coordinator and for stipends (up to \$500) for up to 200 schools to underwrite costs associated with energy-related projects at the schools. GHS is sponsored by the Kentucky Environmental Education Council (KEEC) and is designed to empower students and staff to make their schools greener and healthier by studying their learning environments.

**High Performance State Government Buildings – (\$18,750,000)** Funds will be used to purchase hardware and software for building management systems for facilities owned by the Kentucky Finance and Administration Cabinet, to hire an additional 6 staff to triple Energy Savings Performance Contract (ESPC) activity for state buildings, and to evaluate some 814 buildings as candidates for ESPCs. Funding will support the state Green Bank revolving loan fund that will finance energy efficiency and renewable energy upgrades in government buildings.

**Farm Energy Efficiency and Renewable Energy Partnership – (\$2,000,000)** EEC will execute a memorandum of agreement (MOA) with the Governor’s Office of Agricultural Policy to implement an “On-Farm Energy Efficiency and Production Program.” Under the program, Recovery funding will be used to supplement tobacco settlement funding to provide grants to farmers for on-farm energy efficiency or renewable energy improvements. Farmers would be able to use grant funds to pay for professional services for energy assessments or the preparation of grant applications to the U.S. Department of Agriculture, thus opening the door to increased funding opportunities for Kentucky farmers. Funding will be provided in each of Kentucky’s 120 counties where local boards will evaluate applications and select projects for funding.

**Home Performance with ENERGY STAR (HPwES) – (\$2,000,000)** Provides seed funding for a program that offers services to owners of existing homes to evaluate a home’s energy efficiency, recommend cost-effective improvements, maintain a list of qualified contractors and provide a quality assurance service that verifies that improvements have been properly installed. This would serve the population that doesn’t qualify for low-income weatherization services. The long-term goal is that the program will be self sustaining and complement utility demand-side management programs. For more details on HPwES see [http://www.energystar.gov/index.cfm?c=home\\_improvement.hm\\_improvement\\_hpwes](http://www.energystar.gov/index.cfm?c=home_improvement.hm_improvement_hpwes).

**Industrial/Commercial Sustainability Program – (\$2,230,000)** This program, modeled after the U.S. Department of Energy’s Industrial Assessment Centers (IAC), would increase funding for KPPC at the University of Louisville to perform energy analyses at industrial, commercial and institutional firms or organizations. The program would also conduct energy efficiency workshops for target groups. For information on the existing program see <http://louisville.edu/kppc/e2>.

**Utility Smart Grid Initiative – (\$2,650,000)** Seed money is provided for Kentucky to establish a program in partnership with electric utilities to explore development of smart grid concepts and their possible application in Kentucky. The development of a smart grid has the potential to result in significant energy and cost savings for Kentucky ratepayers.

**Commercial Office Building Retrofit Showcase – (\$3,500,000)** Funding will provide for the purchase and installation of commercially available energy efficiency or renewable energy equipment and materials, including reasonable design costs, for the retrofit of a state government building to deliver a state-of-the-art Advanced Battery Strategic Planning facility. Such a facility may demonstrate energy efficiency and renewable energy techniques and technologies that will drive the facility toward net zero energy usage by incorporating technologies such as advanced applications of solar; geothermal heating and cooling; building envelop design and window construction. The Advanced Battery Strategic Planning facility will serve as a commercial building model with respect to energy efficiency and renewable energy for Kentucky as well as the nation.

**Industrial Facility Retrofit Showcase – (\$3,400,000)** EEC will execute an MOA with the Cabinet for Economic Development (CED) to provide energy efficiency and renewable energy grants and incentives to industries relocating or expanding operations in Kentucky that create or retain “green jobs” while saving energy and reducing carbon emissions. Grants and incentives offered by CED will encourage programs and projects that introduce and demonstrate advanced energy savings and clean energy technologies in industrial and manufacturing facilities.

**Energy Efficiency Battery Manufacturing Initiative – (\$5,000,000)** EEC will execute an MOA with the National Alliance for Advanced Transportation Batteries (NAATBatt), a non-profit consortium comprising more than 50 corporations and associations, to support the purchase and installation of commercially available energy efficiency and renewable energy equipment and materials, including reasonable design costs, for the construction of the advanced battery manufacturing facility to be built in Glendale, Ky. State-of-the-art energy saving and clean energy technologies incorporated into the advanced battery manufacturing facility will enhance the overall long-term success of the facility by reducing energy consumption and lowering operating costs.

<http://governor.ky.gov/pressrelease.htm?PostingGUID=%7bCE965CB4-9E56-421A-9333-18D317A20F1D%7d>

**Department for Energy Development and Independence (DEDI), Energy and Environment Cabinet – (\$1,979,600)** DEDI will add administrative staff to address issues related to oversight of over \$52 million dollars of SEP Recovery Act funding and over \$10 million of funding under the Energy Efficiency and Conservation Block Grant (EECBG) program. This includes developing detailed program budgets, identifying scopes of work, establishing milestones, drafting contracts, approving invoices, reviewing and consolidating reports, auditing expenditures, tracking metrics and monitoring and evaluating program performance, among other things.