

Illinois Department of Commerce and Economic Opportunity  
Illinois Energy Office  
October 2011

ILLINOIS ENERGY EFFICIENCY PORTFOLIO



Under Public Utilities Act 220 ILCS 5/8-103(f) (electricity) and 22- ILCS 5/8-104(f) (natural gas), DCEO, ComEd Electric, Ameren Illinois natural gas and electric Company, NICOR, Peoples and North Shore natural gas companies are required to implement a portfolio of energy efficiency programs to achieve certain annual energy savings goals. Over \$50 million was available for the Illinois Energy Efficiency Portfolio programs during the first year starting June 1, 2008. The portfolio program funding continues to grow and has reached over \$200 million annual electric dollars and the current natural gas budget is \$60 million. The natural gas annual budget will continue to grow over the next three years. This fiscal year, DCEO's budget is \$54 million in electric and \$15 million in natural gas. DCEO is responsible for 25% of the portfolio and the utilities 75%. DCEO will utilize approximately 65% of funds on public sector programs, 25% on low income programs, and 10% on market transformation programs. ComEd, Ameren Illinois, NICOR, Peoples and North Shore utilities portfolio programs will serve residential, commercial and industrial sectors.

## Public Sector Electric Efficiency Programs

The programs described below are offered to the public sector - federal, state and local government (county, township, municipal), public schools, community colleges, public universities and colleges, public safety, water and park districts in ComEd, Ameren Illinois, NICOR, Peoples and North Shore electric and natural gas service territories.

### Standard Incentive Program

Provides grants and rebates to public sector entities for a specific list of energy efficiency measures, which include electric and natural gas system efficiency improvements. The incentives are available to units of local, state, and federal government, schools, community colleges and universities.

Local Government Contact: Andrea Reiff, 217/785-0164, [andrea.reiff@illinois.gov](mailto:andrea.reiff@illinois.gov)

Public Schools Contact: Byron Lloyd, 217/785-0201, [byron.lloyd@illinois.gov](mailto:byron.lloyd@illinois.gov)

State and Federal Contact: Johnny Habibi, 217/785-2772, [johnny.habibi@illinois.gov](mailto:johnny.habibi@illinois.gov)

Public Universities and Colleges Contact: Tom Coe, 217/785-2433, [tom.coe@illinois.gov](mailto:tom.coe@illinois.gov)

### Custom Incentive Program

Provides grants to public sector entities for improving the energy efficiency of equipment or process. The incentives are available for facility improvements that reduce the electricity and/or natural gas use for measures not specifically listed in the Standard Incentive Program.

DCEO contact: Tom Coe, 217/785-2433, [tom.coe@illinois.gov](mailto:tom.coe@illinois.gov)

### New Construction Program

Provides grants to public sector entities to encourage applicants to design new or rehabbed buildings to achieve the greatest level of energy efficiency. The program offers \$/square foot incentives for facility design improvements beyond code, with incentive levels increasing for additional percentages beyond code. Estimated electricity and natural gas savings must be documented by energy modeling and/or supporting calculations.

DCEO contact: Tom Coe, 217/785-2433, [tom.coe@illinois.gov](mailto:tom.coe@illinois.gov)



## Retro-commissioning Program

Provides funding to identify and implement low cost tune-ups and adjustments that improve the efficiency of existing public buildings' operating systems by returning them to intended operation or design specifications, with a focus on building controls and HVAC systems. Retro-commissioning services will be delivered through a network of commissioning providers that have been trained in program protocols and participation processes.

DCEO contact: Tom Coe, 217/785-2433, [tom.coe@illinois.gov](mailto:tom.coe@illinois.gov)

## Illinois Lights for Learning Fundraiser

The Illinois Lights for Learning Fundraiser is a unique educational opportunity for Illinois students to earn money for their school or organization by selling energy saving, energy efficient Compact Fluorescent Light bulbs (CFLs). Participating schools keep 50% of the proceeds, and presentations are provided to educate students and their community about the environmental and financial benefits of using CFLs. The program is administered for Illinois by the Midwest Energy Efficiency Alliance.

DCEO contact: Bruce Selway, 217/785-2023, [bruce.selway@illinois.gov](mailto:bruce.selway@illinois.gov)

## Low Income Energy Efficiency Programs

### Illinois Energy Efficient Affordable Housing Construction Program (EEAHCP)

Under this Program, grants are provided to Illinois based non-profit affordable housing developers to include energy efficient building practices in the rehab or new construction of affordable housing units. The new program will be available to both for- and non-profit developers and will include additional electricity and natural gas savings measures.

The Program takes an all encompassing view of housing and does not fund standard energy efficient practices.

Goals of the Program include:

Demonstrate the impact that energy efficiency has on creating and maintaining affordable housing.

Show that lower housing costs can be achieved with energy efficiency.

Treat the house as a system, focusing on energy efficiency, indoor air quality and occupant comfort.

Identify and maximize cost effective energy efficiency opportunities present in rehab and new construction.

Educate developers, architects and builders on the various energy efficient building measures such that they can begin using these measures and products on other non-funded DCEO projects.

DCEO contact: Don Falls, 217/785-1997, [donald.falls@illinois.gov](mailto:donald.falls@illinois.gov)

### Residential Retrofit Program

Provides funding to leverage existing low income weatherization and home improvement programs to maximize electricity savings. DCEO will partner with Program Implementers such as state agencies, local government, lending institutions, housing authorities, and affordable housing developers for direct installation or funding of electric efficiency measures in low income households.

DCEO contact: Don Falls, 217/785-1997, [donald.falls@illinois.gov](mailto:donald.falls@illinois.gov)

### Efficient Living: Public Housing Authority Energy Program

Offers technical assistance and funding to the 84 public housing authorities (PHAs) eligible for Illinois Energy Now programs to assist PHAs in making optimal building performance decisions. The program is administered by the Smart Energy Design Assistance Center (SEDAC) at the University of Illinois at Urbana-Champaign, School of Architecture. It provides free technical assistance including energy assessments and analysis, education and training for PHA staff and residents, and information on state and federal incentives and energy policies, Illinois building energy codes, and sources of grants and loans.

Contact: Kate Brown at 217/244-6769, [ipha@sedac.org](mailto:ipha@sedac.org), or SEDAC at 800/214-7954, [www.sedac.org](http://www.sedac.org).

## Market Transformation Programs

### Smart Energy Design Assistance

Provides technical assistance services through the Smart Energy Design Assistance Center (SEDAC), which is staffed with engineers and energy professionals from the University of Illinois at Urbana-Champaign, School of Architecture. SEDAC provides free technical assistance services to businesses, state and local government facilities, public schools, community colleges, universities and colleges to assist clients who are considering energy efficiency improvements at existing facilities or to enhance baseline design of new facilities.

SEDAC services include:

Free technical design assistance services (energy audits, utility bill analysis, energy cost reduction recommendations, energy use modeling, investment analysis, Implementation assistance).

Education and training.

Information on Illinois building energy codes, tax incentives through the 2005 Energy Policy Act, energy rates, and sources of loans and grants.

A network of Energy Service Providers.

Informative website at [www.sedac.org](http://www.sedac.org).

SEDAC contact: 800/214-7954 and visit [www.sedac.org](http://www.sedac.org).

DCEO contact: Andrea Reiff, 217/785-0164, [andrea.reiff@illinois.gov](mailto:andrea.reiff@illinois.gov)

### Energy Performance Contracting (EPC)

Energy Performance Contracting (EPC) is an innovative arrangement for designing, installing and financing energy improvement projects where the savings achieved by the project are guaranteed to amortize the cost of the project over the term of the agreement (typically ten to twenty years). Because of its complexities, the Department provides technical assistance to public entities, such as state facilities, municipalities, public housing authorities, K-12 schools, colleges, universities and not-for-profit facilities to fully understand and navigate the EPC process. Services provided by the Department include: competitive procurement process, comparative evaluation methodology, technical review of project energy audits and scope, review and comment on basic contract documents, and advice on contract negotiations. To date, the state EPC program has helped implement a total of \$140 million in projects with annual utility savings of over \$ 11million at facilities throughout Illinois.

DCEO contact: Wayne Hartel, 217/785-3420, [wayne.hartel@illinois.gov](mailto:wayne.hartel@illinois.gov)

### Education and Training Programs

#### Building Industry Training and Education Program

The Building Industry Training and Education Program will provide funds to organizations to train professionals from all aspects of the building industry in energy efficient practices and about energy efficient products and equipment, in order to develop the robust energy efficiency services market necessary to achieve the energy savings goals in future years. Grantees will organize and coordinate workshops and training for all sectors throughout the state in order to educate the industry on the state of the art energy efficiency practices for building construction, rehab, operation, and maintenance. This program supports efforts such as the Illinois Energy Conservation Code for Commercial Building training, Home Energy Rater (HERS) training,



Building Performance Institute (BPI) training and the Building Operator Certification (BOC) program.

DCEO contact: Bruce Selway, 217/785-2023, [bruce.selway@illinois.gov](mailto:bruce.selway@illinois.gov)

### Illinois Home Performance with Energy Star Program (HPwES)

Home Performance with ENERGY STAR is an innovative whole-house approach to improving the energy efficiency, comfort, and safety of existing homes. IHPwES trains contractors to consider all energy options when retrofitting houses. Under IHPwES, a qualified energy analyst first performs a thorough energy inspection of the home to gauge its energy efficiency and determine the cause of any problems the homeowner may be experiencing. Homeowners then receive a list of home energy upgrades prioritized according to their impact on energy efficiency and cost-effectiveness, plus a list of qualified contractors trained in whole-house energy-efficiency improvements. Quality work, based on building science principals, will be emphasized as participating contractors will be required to be Building Performance Institute Building Analyst and Envelope Specialist certified. To support these efforts, the Department is facilitating BPI trainings throughout the state to build a qualified workforce. Once the work is completed, a post-inspection visit will verify the quality and benefits of the work. Homeowners are then eligible for rebates administered through their utilities. Currently the Department is working with the Midwest Energy Efficiency Alliance (MEEA), and Illinois electric and gas utilities to create a set of statewide standards for IHPwES. This program allows Illinois residents to save money while increasing the comfort and safety of their homes.

DCEO contact: Bruce Selway, 217/785-2023, [bruce.selway@illinois.gov](mailto:bruce.selway@illinois.gov)

## Renewable Energy Programs

### Renewable Energy Resources Programs (RERP)

Illinois boasts significant potential for renewable power and heating: wind, solar and biogas offer both economic and environmental benefits. DCEO administers the Renewable Energy Resources Program (RERP) to foster the investment in and the development and use of renewable energy resources within the state of Illinois. DCEO strongly believes that the facilitation of such investment in renewable energy projects in Illinois brings strong economic development benefits to the state: new income streams for farmers, new jobs, new investment, and new property tax revenues for local governments.

## Solar and Wind Energy Rebate Program

The focus of the Solar and Wind Energy Rebate Program, through the State's Renewable Energy Resources Program, is to encourage utilization of small-scale solar and wind energy systems in Illinois. Through this program the Department offers rebate awards for up to 30 percent of eligible system costs for homeowners and businesses and 50% for governmental agencies, and non-profit entities, with a maximum incentive of \$50,000 for the purchase and installation of a solar photovoltaic, solar thermal energy system or wind energy system.

DCEO contact: Wayne Hartel, 217/785-3420, [wayne.hartel@illinois.gov](mailto:wayne.hartel@illinois.gov)

## Renewable Fuels Development Program (RFDP)

DCEO administers the Renewable Fuels Development Program (RFDP) to increase the production of biofuels (ethanol and biodiesel) within the State of Illinois. DCEO provides up to \$5.5 million in funding (to the extent of funds available) for the construction of new biofuels facilities of at least 30 million gallons of production per year, or the expansion of existing facilities by at least 30 million gallons of production per year.

DCEO contact: Norm Marek, 217/785-5082, [norm.marek@illinois.gov](mailto:norm.marek@illinois.gov)

## Recycling Programs

### Recycling Expansion and Modernization (REM) Program

DCEO provides grants to divert materials from the municipal solid waste stream, thereby conserving our natural resources, and improving the performance and “bottom line” of Illinois businesses and organizations (reducing operating costs, increasing sales, etc.) while demonstrating public economic benefits. Modernization projects involve improved waste reduction practices or the increased use of recyclable commodities. Matching grants are available, from \$30,000 to \$250,000.

REM projects include:

Assessment Services, assisting with the cost of technical experts or consultants,

Demonstration Services that involve the testing and demonstration of innovative new practices or products, and

Implementation Services that assist with the cost of capital equipment.

Applications are received throughout the state fiscal year. In addition to the above services, matching grants of up to \$10,000 are available to for-profit companies for waste audit services



designed to decrease solid waste in the firm's operations. The grant can offset the business expense of initiating a company waste reduction program that involves the hiring of a qualified consultant to conduct a waste audit. Along with the waste audit, eligible services include "first stage" implementation assistance including ongoing consultant activities and equipment needed for waste reduction. Applicants must select a qualified consultant to conduct the project.

DCEO contact: David Ross, 217/782-7887, [david.ross@illinois.gov](mailto:david.ross@illinois.gov)

### Illinois Recycling Grants Program (IRGP)

The IRGP annually accepts applications from qualified entities for traditional recycling (fiber, plastic, metal, and glass) projects and/or computers and electronics recycling projects. The purpose of these solicitations is to divert recyclable commodities from Illinois landfills by increasing the quantity of materials recycled in Illinois and increasing the self-sufficiency of the recycling industry, as well as to establish permanent collection facilities, expand operations for processing computers and electronic equipment, and for the removal and proper management of electronic components. Projects that demonstrate public economic benefits, such as job creation, are given priority.

Grants are available to assist local governments, for-profit, and not-for-profit businesses and organizations with their recycling efforts. Traditional Recyclables grant funds may be used to purchase project-related capital equipment such as collection, processing or handling equipment; project-related expansion and modernization costs; and the development and distribution of materials designed to promote and educate participants about the project. Computers and Electronics Recycling grant funds may be used to set up permanent drop-off and collection facilities; purchase recycling containers; site improvements; and purchasing processing and handling project-related equipment to collect, refurbish, demanufacture, and recycle computers and electronic equipment.

The program solicits applications through a request-for-application process. To be placed on the program's notification mailing list or to learn more about the timing and/or availability of these grants please contact DCEO.

DCEO contact: David Ross, 217/782-7887, [david.ross@illinois.gov](mailto:david.ross@illinois.gov)

### Food Scrap Composting Revitalization & Advancement (F-SCRAP) Program

DCEO is accepting applications for projects that will divert food scraps (12 percent of all MSW currently landfilled in Illinois) and other organic material, excluding yard waste, from landfills for composting. The program will assist entities with the acquisition of capital equipment for sustainable projects that will increase the volume of organic material being composted in Illinois. The Department anticipates that these projects will provide new jobs and other economic and environmental benefits to the State of Illinois as well as advance Illinois' composting



infrastructure. The Department encourages the submission of joint projects or applications that address regional or multi-jurisdictional composting approaches from any combination of two or more governmental, for-profit, or not-for-profit organizations.

Program Guidelines and Applications are posted at [illinoisrecycles.com](http://illinoisrecycles.com).

DCEO contact: David E. Smith, 217/785-2006, [David.E.Smith@illinois.gov](mailto:David.E.Smith@illinois.gov)



## Links

[www.illinoisenergy.org](http://www.illinoisenergy.org) - DCEO Energy Division energy efficiency programs, guidelines and Requests for Applications (RFAs).

[www.illinoisrecycles.com](http://www.illinoisrecycles.com) - DCEO Recycling Division recycling programs, guidelines and Requests for Applications (RFAs).

[www.sedac.org](http://www.sedac.org) – Smart Energy Design Assistance Center technical support and trainings for public facilities and businesses.

[www.ileeps.org](http://www.ileeps.org) – IL Energy Efficiency Portfolio summary.

[www.istep.org](http://www.istep.org) - Illinois Sustainable Education Project resources.

[www.energystar.gov](http://www.energystar.gov) – US EPA, US DOE ENERGY STAR products and guidance.

[www.boccentral.org](http://www.boccentral.org) – Building Operator Certification program.

[www.illinoiscleanenergy.org](http://www.illinoiscleanenergy.org) – IL Clean Energy Community Foundation energy programs for non-profit organization

IL Dept. of Commerce and Economic Opportunity

**[www.illinoisbiz.biz](http://www.illinoisbiz.biz)**

TDD: 800/785-6055