



**SMART
ENERGY
DESIGN**
Assistance Center

Smart Energy Design Assistance Center

Newsletter Vol. 5, No. 6, June 2009

www.sedac.org

SEDAC

The Smart Energy Design Assistance Center (SEDAC) provides advice and analyses enabling private and public facilities in the State of Illinois to increase their economic viability through the efficient use of energy resources. SEDAC is sponsored by the Illinois Department of Commerce and Economic Opportunity in partnership with ComEd and Ameren Illinois Utilities and provides valuable services at no cost to for-profit businesses and public facilities. SEDAC is managed by the University of Illinois at Urbana-Champaign and supported by the 360 Energy Group.

(Hyperlinks are shown in green)

EDUCATION

Missed a SEDAC presentation?

Look for it in the archives at sedac.org

BUILDING INDUSTRY TRAINING and EDUCATION (BITE)

Training Dates and Locations

http://www.illinoisbiz.biz/dceo/Bureaus/Energy_Recycling/BITE_training.htm

ENERGY CENTER OF WISCONSIN

Online course available anytime:

Beyond Code: Designing Energy Efficient Commercial Buildings by **Donald Fournier**

CHICAGO CENTER FOR GREEN TECHNOLOGY

USGBC CHICAGO CHAPTER

ENERGY EFFICIENCY PORTFOLIO NEWS



Program Year 2 Started June 1, 2009

The Department of Commerce and Economic Opportunity (DCEO), ComEd, and Ameren Illinois Utilities have rolled out their Program Year 2 Energy Efficiency Portfolio Standards. Both ComEd and Ameren Illinois Utilities require clients to submit **pre-approval applications** before beginning work to ensure eligibility of their projects for the **Smart Ideas** and **Act On Energy** incentives.

Public Sector Electric Efficiency Incentive Programs Available Now from DCEO

On June 1, 2008, the Department of Commerce and Economic Opportunity (DCEO) introduced new energy efficiency incentive programs designed to reduce electrical energy usage, costs and demand across Illinois. The programs were developed by and are administered jointly with ComEd and Ameren Illinois Utilities. They are by far the greatest opportunity Illinois has had for achieving energy efficiency standards.

The DCEO Bureau of Energy and Recycling administers energy efficiency programs and provides incentives for public sector facilities to invest in more efficient electric equipment and systems. These incentives are offered through public benefits funds provided by Ameren Illinois Utilities and ComEd electric bills and thus are restricted to customers in Ameren Illinois Utilities and ComEd electric delivery service areas only.

DCEO Incentives are available for:

- Public K-12 schools, colleges, and universities
- State, local, and federal government
- Public safety, water, and park districts

Year 2 Public Sector Electric Efficiency Program guidelines and forms have been posted at www.illinoisenergy.org.

To encourage the Public Sector to implement electric savings measures, DCEO has made the following **changes**:

- The incentive cap you can apply for has increased from \$100,000 to \$200,000 per building and has increased from 50% to 75% of Total Project Cost (equipment + labor).
- New measures have been added to the Standard Incentive Program.
- Most of the Standard Incentives available have increased.
- The Custom Incentive has increased from \$0.07 to \$0.08 per annual kWh savings.

...over



DCEO CONTACTS

DCEO Public Sector Electric Efficiency Program

www.illinoisenergy.org

Program Contacts

Custom Incentive, Retro-Commissioning Pilot, and New Construction Programs contact:
Tom Coe, 217-785-2433

tom.coe@illinois.gov

Standard Incentive Program contact:

Andrea Reiff, 217-785-0164

andrea.reiff@illinois.gov

DCEO Outreach contact:

Carol Kulek, 217-785-3412

carol.kulek@illinois.gov



**Search for a
SEDAC pre-qualified
Energy Service Provider**



**APPLY FOR SEDAC
SERVICES ONLINE**

EEPS ...contd.

DCEO Standard Incentive Program

This program provides financial incentives through grants and rebates to public sector entities for the adoption and installation of common electric efficiency measures. Eligible measures include upgrades or retrofits of lighting, HVAC, refrigeration, and motor systems.



Examples:

- \$7.50 per lamp for T12 to T8 fluorescent lamp upgrade
- \$22.00 per Exit Sign for LED, T-1, or electroluminescent sign
- \$0.11 per watt controlled for occupancy sensors
- \$50 per motor horsepower for variable speed drive controls
- \$33-\$55 per ton for air conditioners
- \$100 per ENERGY STAR® refrigerated vending machine

DCEO Custom Incentive Program

The Custom Incentive Program provides incentives for electric efficiency improvements not covered by the Standard Incentive Program. The incentives are based on calculated savings of kilowatt hour reductions for specific projects and are subject to a set of defined caps. The Custom Incentive is \$0.08 per annual kWh savings.



DCEO Retro-Commissioning Pilot Program

The Retro-Commissioning Pilot Program provides services to public sector customers to identify and implement low cost tune-ups and adjustments that improve the electrical efficiency of existing operating systems. The pilot program is designed to improve the overall efficiency of public sector facilities by returning them to the intended operation or design specifications, with a focus on building control and HVAC systems. Retro-Commissioning (RCx) services are available for a limited number of qualifying facilities and will be delivered through a trained network of retro-commissioning providers operating in ComEd and Ameren Illinois service territories.

DCEO New Construction Program

The New Construction Program provides incentives and technical project assistance to public sector entities to encourage the energy efficient design of new buildings or renovations, alterations, or additions to existing facilities. The incentives will be based on how far beyond the Illinois Energy Code the building or the building components will be constructed.



APPLYING FOR ENERGY INCENTIVES

PUBLIC SECTOR - DCEO

If you are interested in applying for **public sector** incentives for any of the DCEO programs listed, go to the website at www.illinoisenergy.org and follow the Energy Efficiency link for a complete list of program guidelines and applications. If your municipality/township officials need technical assistance with design decisions, DCEO can connect you with the Smart Energy Design Assistance Center (SEDAC) or with the DCEO Large-Customer Energy Analysis Program (LEAP) team to identify opportunities for saving energy and money.

While DCEO provides programs and incentives for public sector entities, **ComEd** and **Ameren Illinois Utilities** (AmerenCILCO, AmerenCIPS, and AmerenIP) provide incentives for the **private sector** including **commercial, industrial, non-profits and residential customers**.

PRIVATE SECTOR - ComEd

ComEd Smart Ideas Year 1 was a success:

- Received over 700 applications
- Over 70 million kWh saved (Goal was 63 million) – Equivalent to about 7,250 homes
- 17.4 MW of load reduced – Equivalent to about 34 “big box” stores
- Program supported \$37.3 million of energy efficiency projects
- 160 Trade Allies registered on www.ComEd.com

Applications for Program Year 2 ComEd Smart Ideas incentives are available for submission beginning June 1, 2009. This application should be used as the pre-approval form and again as the final incentive application form when submitting invoices and project substantiation.

Key Changes for ComEd Year 2

- Increased maximum incentives to encourage large custom projects
- Larger incentive budget (more than double Year 1)
- New prescriptive measures
- Streamlined prescriptive incentive forms
- Worksheets to assist with custom calculations
- Recognition opportunities for exceptional trade ally performance
- New Construction Program

Source: Commonwealth Edison Company, 2009

PRIVATE SECTOR - Ameren Illinois Utilities

Ameren Illinois Utilities announces new application forms for Year 2 and two new programs at www.actonenergy.com.

Retrocommissioning: Evaluate the energy performance of your facility and explore ways to enhance your building’s energy efficiency. Act On Energy™ will provide financial incentives to upgrade a building’s equipment and system to reduce its energy consumption.

New Construction Program: This new program will provide financial incentives and technical project assistance for energy-efficient building design and construction. Additional information about the New Construction Program along with applications will be released in Summer 2009.

Source: Act On Energy, 2008

EEPS CONTACTS

DCEO Public Sector Electric Efficiency program
www.illinoisenergy.org

HOW TO APPLY

Smart Energy Design Assistance Center
www.sedac.org

HOW TO APPLY

ComEd Smart Ideas
www.comed.com/businesssavings/programs/incentives/

HOW TO APPLY at ComEd.com

Ameren Illinois Act On Energy
www.actonenergy.com/business.asp

HOW TO APPLY at ActOnEnergy.com

2009 AMERICAN RECOVERY and REINVESTMENT ACT

DCEO and the Stimulus

DCEO's Bureau of Energy and Recycling plans to expand existing energy and recycling programs as a result of additional funding from the 2009 American Recovery and Reinvestment Act (ARRA). In addition, the Bureau will likely be developing new programs to fund cost-effective energy projects that help create jobs, reduce energy consumption (and costs), increase renewable energy capacity, reduce green house gas emissions, and leverage private funds.

Bureau staff is currently reviewing federal guidelines and developing programs in order to meet the ARRA goals. Program guidelines will be posted on the Bureau website as soon as they are available. Please check www.illinoisenergy.org for updates on program availability.

State Energy Program

http://apps1.eere.energy.gov/state_energy_program

The State Energy Program (SEP) provides formula grants from the Federal Department of Energy to states in order to fund programs geared to increase energy efficiency, reduce energy use and costs, develop alternative energy and renewable energy sources, promote economic development, and reduce reliance on foreign oil.

Illinois' formula allocation for SEP under the ARRA is \$101,321,000. The state application was submitted May 12, 2009, and includes requests for funding for projects in the following areas:

- Green Manufacturing/Processing
- Renewable Energy Development
- Energy Efficiency Development
- Biofuels Refineries

Energy Efficiency & Conservation Block Grants

<http://www.eecbg.energy.gov>

The purpose of the program is to assist eligible state and local government entities in implementing energy efficiency and conservation strategies to reduce fossil fuel emissions created as a result of activities within the jurisdictions of eligible entities; to reduce total energy use; and to improve energy efficiency in the transportation, building, and other appropriate sectors. Illinois' share of the formula funding is \$112,175,600, of which DCEO will receive \$21,834,600. Sixty percent of the funds (\$13,100,760) will be distributed to municipalities and counties that do not receive direct grants from US DOE. The remaining 40 percent will be utilized for state facility energy efficiency and renewable energy projects.

Types of projects likely to be covered may include:

- Efficiency improvements and renewable energy equipment for government facilities
- Efficiency programs for residences or businesses
- Alternative fueled or hybrid fleet vehicles

"Smart" Appliances - Rebates for Consumers - \$300M Total

www.energystar.gov

ENERGY STAR is a joint program of the U.S. Environmental Protection Agency and the U.S. Department of Energy helping us all save money and protect the environment through energy efficient products and practices. The ENERGY STAR label is now on major appliances, office equipment, lighting, home electronics, and more.

DCEO is to receive Illinois' share of the non-competitive funding. At this time, the formula for distribution to each state has not been determined as U.S. DOE has not issued guidance.

To participate in the *Smart Energy Design Assistance program*, contact us at: (800) 214-7954 or info@SEDAC.org
Smart Energy Design Assistance Center, 1 East St. Mary's Road, Champaign, IL 61820
www.sedac.org