Programs and Grants for Public Sector

Bureau of Energy and Recycling
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Warren Ribley, Director          Pat Quinn, Governor
DCEO PUBLIC SECTOR PROGRAMS

- Energy Efficiency Portfolio Programs
- Training & Education Programs
- Low Income Grant Programs
- Renewable Energy
- Recycling Programs
- American Reinvestment and Recovery Act (ARRA) Programs
State and Federal Energy Funds

- EEPS: $108.7 million
- SEP: $101.3 million
- EECBG: $112.2 million
- RERP: $5.0 million
- EETF: $3.0 million
- Energy Star: $12.5 million
Energy Efficiency Portfolio Standard (EEPS)
Energy Efficiency Portfolio Standard (EEPS)

In 2007, legislation that amended the Illinois Public Utilities Act required that the State’s largest utility providers and the Department of Commerce & Economic Opportunity (DCEO) develop a portfolio of electric energy efficiency programs to meet defined legislative goals.

Applies only to ComEd & Ameren Illinois electric service territories.
EEPS is a group of energy efficiency programs that provide incentives in the form of rebates and/or grants for ComEd and/or Ameren Illinois utility customers to encourage them to purchase and install high efficiency equipment and systems to reduce electricity use.

- Sets goals of 0.2% reduction in electricity load, rising to 2.0% reduction by 2015
- Increases state energy efficiency funding from $3 million to ~$200 million plus
- Provides for independent evaluation of the programs
- 75% ComEd & Ameren Illinois, 25% DCEO
- Will bring Illinois up to funding levels equivalent to other significant national programs
## EEPS Projected Energy Efficiency Funding

<table>
<thead>
<tr>
<th>Year</th>
<th>Funding Level</th>
<th>DCEO Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>$53.2 million</td>
<td>$12.9 million</td>
</tr>
<tr>
<td>2009</td>
<td>$109 million</td>
<td>$26.4 million</td>
</tr>
<tr>
<td>2010</td>
<td>$172 million</td>
<td>$41.6 million</td>
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<tr>
<td>2011 +</td>
<td>$235 million</td>
<td>$57 million</td>
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Public Benefit Funds from ComEd & Ameren Illinois Electric utility customer’s rider on electric bill effective June 1, 2008.
# DCEO Public Sector Electric Efficiency Program (PSEE)

Ameren and ComEd electric service area only

## DCEO Public Sector
- **Local Governments**
  - Municipalities
  - Townships & County Facilities
- **Special Units of Local Government**
  - Library & Park Districts
  - Public Safety
  - Water Reclamation Districts
- **State and federal agencies**
- **Public Schools**
  - K-12 Public Schools
  - Public Community Colleges
  - Public Universities

## ComEd/Ameren Electric Utilities
- **Privately owned Businesses**
- **Privately owned Industrial & Commercial Facilities**
- **Private Schools**
  - Private K-12 Schools
  - Private Colleges
  - Private Universities
- **Not-for-profit**
  - Museums
  - Foundations
  - Trade Organizations
  - 501C3
- **Residential**
Public Sector Electric Efficiency (PSEE) Programs

- Standard Incentive Program
- Custom Incentive Program
- New Construction Program
- Retro-commissioning Pilot Program
Public Sector Electric Efficiency (PSEE) Standard Incentive Program

Provides grants and rebates to public sector entities for a specific list of equipment upgrades. Includes electric system efficiency improvements for:

- Lighting Equipment
- HVAC Equipment
- Refrigeration Equipment
- Motors and Drives
- LED traffic signals (DCEO only)
High Performance T8 Lighting

- Approx 40% energy savings
- Standard incentive = $7.50 per lamp and ballast incentive
- Delamp = $6.50
- Delamp and add reflector = $13
- More light
- Better quality
High Bay Lighting Retrofits

- 400 watt metal halide to premium T8 or T5 HO fixtures
- 25% to 50% energy savings
- Standard Incentive = $0.44/Watt saved
- Instant on and off
- More likely to be turned off when not used
- incentive = $108 per fixture
  
  \[\text{incentive} = (460\text{W} - 215\text{W})(0.44)\]
LED Exit Signs

- 70% to 90% savings
- Standard Incentive = $22/sign
- Maintenance savings
Public Sector Energy Efficiency
Custom Incentive Program

Projects that involve non-standard incentives and other unique projects

- Electric efficiency improvements not captured by the standard program
- $0.08 per kWh savings for measures with 1-7 year payback on first year kWh savings
- New lighting systems that operate 24/7
- Exterior lighting for demonstration of breakthrough equipment may receive an incentive of $0.20 per kWh.
### Year 2 EEPS Standard and Custom Incentive Projects to Date

<table>
<thead>
<tr>
<th>Funding Level</th>
<th>Ameren Electric Utilities</th>
<th>ComEd</th>
</tr>
</thead>
<tbody>
<tr>
<td>Year 2 Budget</td>
<td>$3.8 million</td>
<td>$10.6 million</td>
</tr>
<tr>
<td>Remaining</td>
<td>$2.6 million</td>
<td>$7.5 million</td>
</tr>
</tbody>
</table>

Year 2 for projects that are completed between 6/1/09 and 5/31/10.
Public Sector Electric Efficiency
New Construction Program

- Provides grants to public sector entities to encourage applicants to design new or rehabbed buildings to achieve the highest level of energy efficiency.
- Incentive for new construction or remodeling facilities ≥ 15,000 sq. ft. that exceed the Illinois Energy Conservation Code for Commercial Buildings (or other applicable code).
- Option of $0.05/kWh for constructing single components beyond code.

<table>
<thead>
<tr>
<th>Measure</th>
<th>Incentive</th>
<th>Cap</th>
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<tbody>
<tr>
<td>10% Beyond Code (kWh)</td>
<td>$0.20 per sq. ft.</td>
<td>$200,000</td>
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<tr>
<td>15% Beyond Code (kWh)</td>
<td>$0.40 per sq. ft.</td>
<td>$200,000</td>
</tr>
<tr>
<td>20% Beyond Code (kWh)</td>
<td>$0.60 per sq. ft.</td>
<td>$200,000</td>
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<tr>
<td>25% Beyond Code (kWh)</td>
<td>$0.80 per sq. ft.</td>
<td>$300,000</td>
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<tr>
<td>30% Beyond Code (kWh)</td>
<td>$1.00 per sq. ft.</td>
<td>$300,000</td>
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DCEO Retro-Commissioning Pilot Program

- Provides public sector funding to identify and implement low cost tune-ups and adjustments to existing building operating systems with a focus on HVAC and building control systems.
- Delivered through a trained network of retro-commissioning (RCx) providers.
- DCEO will work with the utilities to use the same program administrator and RCx providers.
- Year 2 will fund a few pilot projects.
Low Income Energy Efficiency Programs

- **Affordable Housing Energy Efficient Construction Program**
  - Supports energy efficiency in new construction and gut rehab
  - A per unit incentive for developers of affordable housing that commit to a complete list of efficiency measures
  - Expanded to for-profit developers in addition to not-for-profits

- **Low Income Energy Efficient Residential Retrofit**
  - Partners with state agencies, local governments, & affordable housing developers that administer weatherization or other low income home improvement programs to add electric energy efficiency measures

- **Efficient Living Program for Illinois Public Housing Authority**
Fuel-switching (i.e., from oil or natural gas to electric equipment), renewable, or combined heat and power technologies do not qualify for incentives.

- Fuel switching
- Solar / Wind projects (other incentives available)
- Residential applications (other incentives available)
- Onsite Generation
- Peak Shifting
The Bureau of Energy and Recycling seeks to demonstrate the economic development benefits, including job creation, of energy efficiency, renewable energy, and recycling through a variety of programs and services. Further, Bureau programs will demonstrate that economic development, sustainable energy, recycling practices, and environmental protection go hand in hand.

In addition, the Bureau will continue to promote the leadership of the State of Illinois, through its own energy and recycling policies and practices, at state facilities. Individually tailored programs are available to assist Illinois citizens, communities, non profit organizations, businesses, industry, and other government agencies in an effort to achieve the Bureau's mission.

Click here for a summary of Bureau of Energy and Recycling programs.
The programs offered by DCEO’s Bureau of Energy and Recycling are as follows:

Public Sector Electric Efficiency

These programs include the **Standard and Custom Incentive Programs** and New Construction Program. These 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** and **Ameren Illinois** electric service territories.

**Standard and Custom Incentive Programs**
Provides grants and rebates to public sector entities for electric system efficiency improvements including lighting, motors, variable frequency drive controls, HVAC equipment, traffic signals, among others. [Guidelines, Application, Worksheets](#)

**Standard Incentive Program**
Provides set incentive levels for common retrofits for lighting, HVAC, motors and refrigeration. [Application and Standard Incentive Forms in Excel format](#). (Use these spreadsheets to fill in the Application from Appendix A and Standard Incentive Worksheets from Appendix B: Lighting, HVAC, Motors, Refrigeration)
Illinois Municipal Electric Agency (IMEA)
Electric Efficiency Programs

- Standard Incentive Program
- Custom Incentive Program
- Mike Genin
- 217.789.4632
- mgenin@imea.org
Training and Education Programs
## Technical Assistance/Training & Education – Statewide Eligibility

<table>
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<tr>
<th>Energy Audits, Design Assistance</th>
<th>Training &amp; Education</th>
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<tr>
<td>Smart Energy Design Assistance Center (SEDAC)</td>
<td>Business Industry Training &amp; Education</td>
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<tr>
<td>Large-Customer Energy Analysis (LEAP)</td>
<td>Code Training</td>
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<tr>
<td>Energy Performance Contracting (EPC)</td>
<td>Building Operator Training</td>
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<td></td>
<td>Lights for Learning</td>
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<td>Green-Jobs Grants</td>
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Smart Energy Design Assistance Center (SEDAC)

- Partnership with the University of Illinois, SEDAC Design Assistance Experts and Energy Service Providers.
- Assist public sector and private building owners identify opportunities to save energy and money.
- Provides energy audits, analysis and design assistance including:
  - Design review and/or site inspection.
  - Computer modeling of base case and alternatives with ECMs.
  - Energy savings analysis.
  - Life cycle cost analysis.
  - Final report with recommendations.
- Energy service provider list. www.sedac.org
Large-customer Energy Analysis Program (LEAP)

- Targets large customers such as municipalities, colleges, hospitals and industrial sites with $500,000 in annual utility expenses.
- A Management Diagnostic to develop an energy management strategy for customer:
  - Identifies strengths and weaknesses in current practices.
  - Provides an action plan with priority items.
  - Benchmarks energy management performance in 22 specific areas.
- Financial assistance (50% of cost) to prepare action plans.
- Financial assistance (50% of cost) to conduct technical studies.
Energy Performance Contracting

- DCEO offers no cost technical assistance
  - Units of municipal, county and state government
  - K-12 schools, colleges and universities
  - Nonprofit organizations
- Boilerplate documents
  - Request for Proposal
  - Energy Audit Agreement
  - Energy Service Agreement
- Measurement and verification assistance
Training & Education

Programs to train students and the building industry as well as to enhance the capacity of efficiency service providers, in order to meet long-term EEPS goals.

Training & Education includes:

- Commerical & residential green building practices
- Building code and beyond code training
- Building Operator Certification
- Rater training
- Community College degree and training Programs
- Lights for Learning
Renewable Energy Programs
Solar and Small Wind Energy Rebate Program

- Rebates and grants available to businesses, public sector, non-profit entities, and residential customers that pay into the Renewable Energy Resources and Coal Technology Development Assistance Charge.
  - 30% of total project cost available for residential & business
  - 50% of total project cost available for public sector and non-profit
  - $50,000 maximum award
Recycling Programs
Illinois Recycling Grants Program

Traditional Recycling Grants – Deadline is 11/13/09

- Through a competitive process, awards matching grants involving the establishment or expansion of recycling collection or processing programs that address traditional recyclables (e.g., fiber, plastic, metal, glass).
- Project examples: curbside recycling, drop-off recycling, colleges, park districts, office buildings, sports facilities, etc.
- Current maximum amount for “traditional” recyclables is $60,000 for collection and $120,000 for processing

Electronics Recycling Grants – Deadline 11/13/09

- Permanent Collection/Processing of computers and other electronics (vs. one-day collection events)
- Current maximum amount for “electronics” is $75,000 or collection and/or processing with a maximum of $120,000 for any one entity

Visit: illinoisrecycles.com for Recycling Division Programs
Illinois Recycling Expansion and Modernization (REM) Program

(REM) Program grants that improve waste reduction practices and increase use of recyclables to divert materials from municipal landfills

- Awards matching grants to IL organizations and businesses for:

  Waste Reduction projects to modernize solid waste management practices, and/or

  Market Expansion projects to manufacture recycled-content products and increase the use of recyclable materials.
Illinois Zero Waste Schools Program

- This program accepts applications from K-12 Illinois schools to implement or expand recycling and waste reduction programs.
  - Level 1: recycling and source reduction activities
  - Level 2: includes above and composting/vermicomposting (worms)
  - Average grant award about $7,000
  - Eligible expenditures: collection containers, paper shredders, can crushers, hand dryers, compost equipment and tools, and other Department approved items.
American Recovery and Reinvestment Act (ARRA) Stimulus Programs
American Recovery and Reinvestment Act
State Energy Program

$101 million

Solicitation Closed Oct. 26
- Renewable Energy Production $20M
- Community Renewable Energy Program $10M
- Green Industry Business Development $30M
- Next Generation Biofuels Production $10M
Solicitation Closed Oct. 1
- Green Roofs Grant $1M
- Electric Energy Efficiency Program $5M
- Thermal Efficiency for Public Facilities $7M
- Large Customer Energy Efficiency $17M
Formula based grants from DOE to:

- Illinois counties with a population > 200,000
- Illinois communities with a population >35,000
- the State for smaller communities & state programs
  - $13M to Illinois Regional Planning Agencies
Future ARRA ENERGY STAR Residential Appliances Program Plans

- Plan submitted to USDOE 10/15. Planning for December announcement.
- Phase 1: HVAC Contractors may work with program to provide incentives from DCEO to their customers for furnaces, boilers, ac. Planned for 12/09 launch.
- Phase 2: Earth Day April 2010 launch. Appliances that may receive 10-15% incentives; refrigerators, clothes washers, dishwashers, freezers, room and central ac, water heaters, air source heat pumps. Additional rebate for recycling.
- $12.3 million
Energy and Recycling News: Building Industry Training and Education Program Guidelines are now posted and applications are due by May 1, 2009. Click here for application and guidelines.

Program areas include the following:

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**ECONOMIC STIMULUS**

On February 17, 2009, President Obama signed into law the $787 billion economic stimulus bill known as the American Recovery and Reinvestment Act. The Act includes substantial investment in Energy Initiatives. DCEO’s Bureau of Energy and Recycling is charged with implementing these provisions in order to create jobs, stimulate the economy, improve the environment and further our Nation toward energy independence.
## Key Web Links

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<th>Link</th>
<th>Information</th>
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<tbody>
<tr>
<td><a href="http://www.illinoisenergy.org">www.illinoisenergy.org</a></td>
<td>DCEO Energy Programs: guidelines, RFPs, contacts, applications, and other resources</td>
</tr>
<tr>
<td><a href="http://www.ComEd.com">www.ComEd.com</a></td>
<td>Info on ComEd Smart Ideas Business Solutions Programs</td>
</tr>
<tr>
<td><a href="http://www.ileeps.org">www.ileeps.org</a></td>
<td>EEPS Information for DCEO, ComEd and Ameren EEPS programs</td>
</tr>
<tr>
<td><a href="http://www.sedac.org">www.sedac.org</a></td>
<td>Smart Energy Design Assistance Center: Technical assistance for businesses and public sector providing energy information, news and trainings, energy service provider list</td>
</tr>
<tr>
<td><a href="http://www.illinoisrecycles.com">www.illinoisrecycles.com</a></td>
<td>DCEO Recycling Programs for local government, businesses and non-profits</td>
</tr>
<tr>
<td><a href="http://www.illinoiscleanenergy.org">www.illinoiscleanenergy.org</a></td>
<td>IL Clean Energy Community Foundation: grants for energy efficiency, renewable energy and natural areas for local government and non-profits</td>
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