Programs and Grants for Public Sector

Illinois Energy Office
Don Falls
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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 for 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>
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<tr>
<th>Year</th>
<th>Funding Level</th>
<th>DCEO Share</th>
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<tbody>
<tr>
<td>2008</td>
<td>$53.2 million</td>
<td>$12.9 million</td>
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<tr>
<td>2009</td>
<td>$109 million</td>
<td>$26.4 million</td>
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<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

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<th>DCEO Public Sector</th>
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<td>Townships &amp; County Facilities</td>
<td>Privately owned Industrial &amp; Commercial Facilities</td>
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<td>Special Units of Local Government</td>
<td>Private Schools</td>
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<td>Library &amp; Park Districts</td>
<td>Private K-12 Schools</td>
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<td>Private Universities</td>
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<td>Not-for-profit</td>
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<td>Museums</td>
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<td>Community Colleges</td>
<td>Foundations</td>
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<td>State and Federal agencies</td>
<td>Trade Organizations</td>
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<td>Public Universities</td>
<td>501C3</td>
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<td></td>
<td>Residential</td>
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Public Sector Electric Efficiency (PSEE) Programs

- Standard Incentive Program
- Custom Incentive Program
- New Construction Program
- Retro-commissioning Pilot Program
Year 3 EEPS Standard and Custom Funding Available

<table>
<thead>
<tr>
<th>Funding Level</th>
<th>Ameren Electric Utilities</th>
<th>ComEd</th>
</tr>
</thead>
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<tr>
<td>Year 3 Budget</td>
<td>$5.7 million</td>
<td>$15 million</td>
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</tbody>
</table>

Year 3 funds are available for projects completed 6/1/10 – 5/31/11.
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)
New for PY3: 2 Tiers of Incentives

Tier 1
- Local Government
- Public Schools
- Community Colleges

Tier 2
- State and Federal Government
- Public Universities
PY3 Incentive Changes

- Local Government
- Public Schools
- Community Colleges
  - Standard Incentives increase 50%
  - Variable Speed Drives for HVAC increase from $55/HP to $82/HP
  - Custom Incentives increase from $0.08/kWh to $0.12/kWh
  - Exterior Lighting, Induction and LED, Incentives increase from $0.20/kWh to $0.30/kWh
  - Incentives paid up to 75% of Total Project Cost.
PY3 Incentive Changes

- State and Federal Government
- Public Universities

- Standard Incentives increase 15%
- Variable Speed Drives for HVAC increase from $55/HP to $75/HP
- Custom Incentives increase from $0.08/kWh to $0.09/kWh
- Exterior Lighting, Induction and LED, Incentives increase from $0.20/kWh to $0.23/kWh
- Incentives paid up to 75% of Total Project Cost.
High Performance T8 Lighting for Local Government, Schools and Community Colleges

- Approx 40% energy savings
- Standard incentive = $11 per lamp and ballast incentive
- Delamp = $10
- Delamp and add reflector = $20
- More light
- Better quality
High Performance T8 Lighting for Public Universities, State and Federal Government

- Approx 40% energy savings
- Standard incentive = $8.50 per lamp and ballast incentive
- Delamp = $7.50
- Delamp and add reflector = $15.00
- More light
- Better quality
High Bay Lighting Retrofits Local Government, Schools and Community Colleges

- 400 watt metal halide to premium T8 or T5 HO fixtures
- 25%-50% and greater energy savings
- Standard Incentive = $0.60/Watt saved
- Instant on and off
- More likely to be turned off when not used
- Incentive = $147 per fixture
  \[= (460W - 215W)(0.60)\]
High Bay Lighting Retrofits Public Universities, State and Federal Government

- 400 watt metal halide to premium T8 or T5 HO fixtures
- 25%-50% and greater energy savings
- Standard Incentive = $0.50/Watt saved
- Instant on and off
- More likely to be turned off when not used
- incentive = $122 per fixture
  \[= (460W - 215W) (0.50)\]
LED Exit Signs

- 70% to 90% savings
- Maintenance savings

- Local Govt, Schools and Community Colleges Standard Incentive = $25/sign

- Public Universities, State and Federal Government Standard Incentive = $23/sign
Custom Incentive Program for Local Government, Schools and Community Colleges

Projects that involve non-standard incentives and other unique projects

- Electric efficiency improvements not captured by the standard program
- $0.12 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, induction and LED may receive an incentive of $0.30 per kWh.
Custom Incentive Program for Public Universities, State and Federal Government,

Projects that involve non-standard incentives and other unique projects

- Electric efficiency improvements not captured by the standard program
- $0.09 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, induction and LED may receive an incentive of $0.23 per kWh.
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>
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<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>
</tr>
<tr>
<td>25% Beyond Code (kWh)</td>
<td>$0.80 per sq. ft.</td>
<td>$300,000</td>
</tr>
<tr>
<td>30% Beyond Code (kWh)</td>
<td>$1.00 per sq. ft.</td>
<td>$300,000</td>
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</tbody>
</table>
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.
- Year 2 projects include Peoria Civic Center, Normal Discovery Museum, WIU, City of Chicago and Chicago Public Schools.
- Year 3 will provide funding for appr. 16 projects.
- Tune-up opportunities not end-of-life.
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

- **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**
  - Provides technical assistance for energy efficiency and information on grants and programs
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.
• Custom Exterior Induction, LED Lights = $0.30/kWh

• For Public Universities, State and Federal Government:
  o Incentives will increase 15% over PY2
  o Standard VSD = $75/HP
  o Custom = $0.09/kWh
  o Custom Exterior Induction, LED Lights = $0.23/kWh

Standard and Custom Incentive Programs
Provides grants and rebates to public sector entities for electric system efficiency improvements. The Standard Incentive Program provides set incentive levels for common retrofits for lighting, HVAC, variable frequency drive controls, motors and refrigeration. The Custom Incentive Program provides incentives for electric efficiency improvements not listed in the Standard Incentive Program.

Guidelines for Local Government, Public Schools and Community Colleges

Fillable Forms for Local Government, Public Schools and Community Colleges includes Application, Certification, and Standard Incentive Worksheets

Guidelines for Public Universities, State and Federal Government

Fillable Forms for Public Universities, State and Federal Government includes Application, Certification, and Standard Incentive Worksheets

Natural Gas Energy Efficiency Programs
The Natural Gas Energy Efficiency Programs authorized by Public Act 96-0033 will start June 1, 2011. Watch this website for further information on the programs and for workbooks.
PSEE Pre-Approval Application must include:

- Copy of electric bill (final pages that list taxes and fees applied)
- Completed Pre-Approval Application
- Signed Certification
- Manufacturer spec sheets
- Applicable Lighting*, HVAC, Motors and/or Refrigeration Standard Incentive Worksheet(s) or Custom Incentive Application
- For lighting projects, submit a Light Survey*
- [www.illinoisenergy.org](http://www.illinoisenergy.org)
PSEE Final Application must include:

- Copy of electric bill (final pages that list taxes and fees applied), unless submitted with Pre-Approval
- Completed Final Application
- Signed Certification
- Manufacturer spec sheets, unless submitted with Pre-Approval or if equipment updated
- Updated Lighting, HVAC, Motors and/or Refrigeration Standard Incentive Worksheet(s) or Custom Incentive Application
- Invoices and receipts
- For lighting projects, submit a Final Light Survey*

* [www.illinoisenergy.org](http://www.illinoisenergy.org)
PSEE Light Survey must include:

- *Light Survey for new fixtures* to include: room/area, quantity of existing fixtures, description and wattage of existing fixtures, quantity of new fixtures, description and wattage of new fixtures.

- *Light Survey for all lighting retrofits* to include: room/area, quantity, description of existing fixtures, number of lamps in existing fixtures and number of lamps in retrofit fixtures. Lamp total shall match number of lamps indicated in the Lighting Incentive Spreadsheet. Retrofit lamps and ballasts shall be listed at: http://www.cee1.org/com/com-lt/com-lt-main.php3

- *Light Survey for Occupancy Sensors* to include: room/area, wattage of fixtures controlled.

  - www.illinoisenergy.org
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
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<td>▸ Business Industry Training &amp; Education</td>
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<td>▸ Large-Customer Energy Analysis (LEAP)</td>
<td>▸ Code Training</td>
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<td>▸ Energy Performance Contracting (EPC)</td>
<td>▸ Building Operator Training</td>
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<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](http://www.sedac.org)
Large-customer Energy Analysis Program (LEAP)

- Sustainable Energy Workshops and follow-up services targets large customers such as municipalities, colleges, hospitals and industrial sites with $500,000 in annual utility expenses. Provided by Utilivate Technologies.

  3 Step Program
  1. Workshop to develop a plan to manage energy costs
  2. “Hands on” consulting to implement a strategic energy plan and identify cost-effective energy efficiency measures.
  3. "Lessons Learned" workshop to discuss strategies for implementing energy efficiency programs and projects.
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:

- Commercial & 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
  
  - FY11 funding information available after July 1, 2010
Recycling Programs
Illinois Recycling Grants Program

**Traditional Recycling Grants**
- 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**
- 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 I: 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
Energy Efficiency & Conservation Block Grants (EECBG)

ARRA grants to entities that are not eligible for direct formula grants (population <35,000)

- Administered in partnership with ILARC and Illinois regional planning commissions
- Approximately 1300 Communities in Illinois
- $13,100,760
- Competitive Application Process
- Leverage EEPS funds
Energy Efficiency & Conservation Block Grants (EECBG)

ELIGIBLE ACTIVITIES

1) Energy efficiency and conservation strategy (required)
2) Residential and commercial building energy audits
3) Energy efficiency retrofits in buildings and facilities
4) Transportation energy efficiency
5) Building Code Development and Enforcement
6) Source reduction, recycling and recycled content procurement
7) Traffic signals and street lights
8) Governmental buildings renewable electricity
# Key Web Links

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<td>DCEO Energy Programs: guidelines, RFPs, contacts, applications, and other resources</td>
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<td><a href="http://www.ComEd.com">www.ComEd.com</a></td>
<td>Info on ComEd Smart Ideas Business Solutions Programs</td>
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<td><a href="http://www.ileeps.org">www.ileeps.org</a></td>
<td>EEPS Information for DCEO, ComEd and Ameren EEPS programs</td>
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<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>
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<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>
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<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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