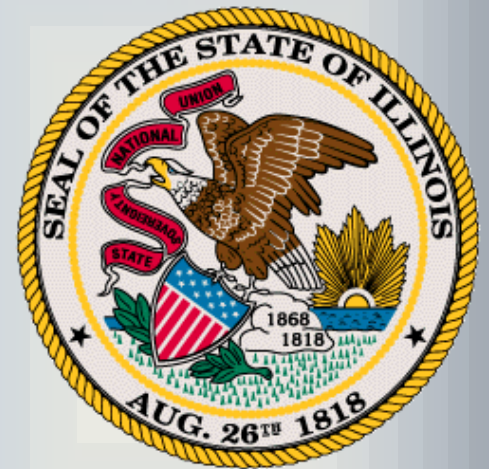



New Incentives for Energy Efficiency

Department of Commerce &
Economic Opportunity
Bureau of Energy & Recycling

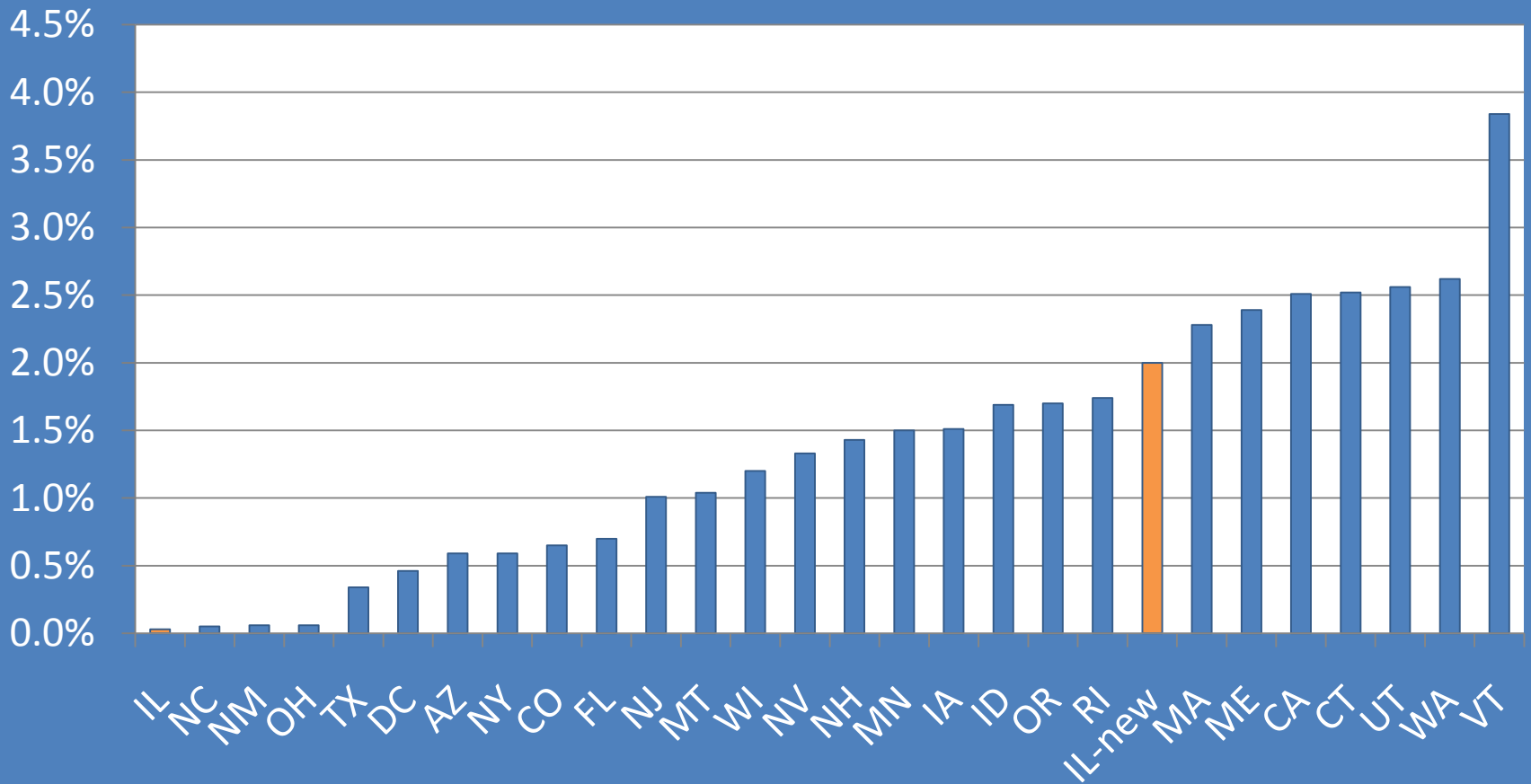




The DCEO Portfolio and Budget
Public Sector Program Descriptions
Technical Assistance Program Descriptions
Training and Education
Other DCEO programs
Program Resources

OVERVIEW

Public Benefit Funding for Energy Efficiency as a Percent of Utility Revenues



Source: American Council for an Energy-Efficient Economy, September 2007

Energy Efficiency Portfolio Funding (millions)

Year	ComEd	Ameren	DCEO	Eval.	TOTAL
2008	\$28.7	\$10.0	\$12.9	\$1.6	\$53.2
2009	\$59.4	\$21.1	\$26.8	\$3.3	\$110.6
2010	\$92.2	\$32.6	\$41.6	\$5.1	\$171.5

Year	DCEO (ComEd)	DCEO (Ameren)	TOTAL
2008	\$9.6	\$3.3	\$12.9
2009	\$19.8	\$7.0	\$26.8
2010	\$30.7	\$10.9	\$41.6

DCEO Energy Efficiency Portfolio

Incentive Programs


- Public Sector (~65%)
 - Local Governments
 - K-12 Schools
 - Community Colleges
 - Universities
 - State and Federal Facilities
- Low Income (~25%)
 - New Construction and Gut Rehab
 - Moderate Rehab
 - Single-family Retrofit

Market Transformation

- Technical Assistance (~5%)
 - Commercial & Public Bldg Assessments
 - Design Assistance
 - Large Customer Management Practices
 - Performance Contracting
- Education & Training (~5%)
 - Building Codes
 - Building Operators/Owners
 - Design/Construction and HVAC Replacement Industry

DCEO First Year Budget - ComEd Service Territory

Program	Budget (millions)
Public Sector Incentive Programs	\$5.375
Standard (prescriptive)	\$4.561
Custom	\$0.666
Retro-commissioning	\$0.148
New Construction	--
Lights for Learning	\$0.104
Low Income Efficiency Programs	\$2.296
Technical Assistance Programs	\$0.741
Training and Education Programs	\$0.328



Standard Incentives
Custom Incentives
Retro-commissioning
New Construction
Lights for Learning

PUBLIC SECTOR INCENTIVE PROGRAMS

Public Sector Incentive Programs: Eligibility

- Local governments including municipal, township & county facilities and special units of local government
 - Library districts
 - Public safety
 - Park districts
 - Water reclamation districts
- State and federal agencies
- Public K-12 schools & public community colleges
- Public universities

Public Sector Incentive Programs: Eligibility Examples

DCEO

- Public K-12 schools
- Public community colleges
- Public universities

ComEd/Ameren

- Private K-12 schools
- Private community colleges
- Private universities
- Nonprofit organizations
 - Museums
 - Foundations
 - Trade organizations

Public Sector Incentive Programs: Standard Incentives

- Provides incentives for a standard (prescriptive) list of common equipment upgrades:
 - Lighting
 - Cooling
 - Refrigeration
 - Motors
- Identical incentive levels as ComEd programs

Contact: Andrea Reiff, 217-785-0164

Public Sector Incentive Programs: Standard Incentives

- LED traffic signal modules to convert from incandescent lamps:
 - 8" traffic LED signal head \$75 per signal
 - 12" traffic LED signal head \$90 per signal
 - 8" arrow LED module \$20 per module
 - 12" arrow LED module \$35 per module
 - 8" – 9" pedestrian LED module \$30 per module
 - 12" pedestrian LED module \$35 per module
 - 16" x 18" pedestrian combo \$35 per module

LED signal head consists of 1 red, 1 green and 1 yellow ball module

Arrow & pedestrian LED modules consists of 1 module (any color)

Pedestrian combo consists of walk/hand/countdown

Public Sector Incentive Programs: Custom Incentives

- Provides incentives for projects that are not standard or have measurable differences from standard equipment upgrades
- Examples include:
 - LED street lighting
 - Improved lighting design
 - Controls
- Similar incentive levels as ComEd programs

Contact: Tom Coe, 217-785-2433

Public Sector Incentive Programs

Retro-commissioning

- Provides public sector funding to identify and implement low cost tune-ups and adjustments to existing building operating systems
- Delivered through a trained network of retro-commissioning (RCx) providers
- DCEO will work with ComEd to use the same program administrator and RCx providers

Contact: Tom Coe, 217-785-2433

Public Sector Incentive Programs: New Construction

- Incentive for new construction or remodeling facilities $\geq 15,000$ sq. ft. that exceed the Illinois Energy Conservation Code for Commercial Buildings (or other applicable code)

Measure	Incentive
10% Beyond Code	\$0.25 per sq. ft.
15% Beyond Code	\$0.50 per sq. ft.
20% Beyond Code	\$0.75 per sq. ft.
25% Beyond Code	\$1.00 per sq. ft.
30% Beyond Code	\$1.25 per sq. ft.

Public Sector Incentive Programs: New Construction (cont.)


- Option of \$0.05/kwh constructing single components beyond code
- The project must be at 100 percent design and have a building energy model or component calculation
- Architect/Engineer stamped drawings must be submitted with the application

Contact: Tom Coe, 217-785-2433

Public Sector Incentive Programs: Lights for Learning

- A unique educational opportunity for Illinois K-12 schools
- Students sell energy efficient compact fluorescent lights (CFLs)
- Participating schools keep 50 percent of the proceeds
- Presentations are provided to educate students and their community about the environmental and financial benefits of CFLs

Contact: Peggy Chamness, 217-785-3968



Smart Energy Design Assistance Center
Large-customer Energy Analysis Program
Energy Performance Contracting
Training & Education

MARKET TRANSFORMATION PROGRAMS

Market Transformation Programs:

Smart Energy Design Assistance Center

- Partnership with the University of Illinois SEDAC Design Assistance Experts and Energy Service Providers to help public and private building owners identify opportunities to save energy and money
- Partnership with the University of Illinois, SEDAC Design Assistance Experts and Energy Service Providers
- 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
- Web site: www.sedac.org

Contact: info@sedac.org, 800-214-7954



Market Transformation Programs: Large-customer Energy Analysis Program

- Assist large energy users – companies or public organizations with over \$500,000 in annual utility costs – to develop energy management plan
- Identify best practices and examine how energy is integrated with management systems
- Identify opportunities to utilize EEPS programs
- Reduce energy costs - potential savings of 10 to 30%

Market Transformation Programs: Large-customer Energy Analysis Program

- Two Approaches to Energy Planning Assistance
- Envinta's One-2-Five Diagnostic Tool:
 - Two hour diagnostic session with organization to benchmark energy management practices against 2000 other organizations
 - Opportunities for DCEO rebates up to 50% of cost of developing an energy action plan and technical services
- Utilivate's Sustainable Energy Planning Workshop:
 - A one-day workshop followed by 25 hours of "hands on" consulting from Utilivate's energy experts

Contact: Wayne Hartel, 217-785-3420

Market Transformation Programs: Energy Performance Contracting

- No cost technical assistance to public sector applicants financing energy efficiency projects through performance contracts
- Boilerplate documents
 - Request for Proposal
 - Energy Audit Agreement
 - Energy Service Agreement
- Measurement and verification assistance

Contact: William Haas, 312-814-4763

Market Transformation Programs: Training & Education


- Programs to train the building industry, and to enhance the capacity of efficiency service providers, in order to meet the EEPS goals in later years.
- Programs may include:
 - Residential Homebuilders (New Construction)
 - Residential Contractors (Rehab)
 - Commercial Builders (New Construction)
 - Commercial Contractors (Rehab)

Market Transformation Programs: Training & Education

- Building Operator Certification (BOC)
- Codes Training for Builders, Designers, and Enforcement Officials
- Community College Certification
- Building Components – HVAC, motors, etc.

Contact: Bruce Selway, 217-785-2023

Community Colleges Contact: Peggy Chamness, 217-785-3968

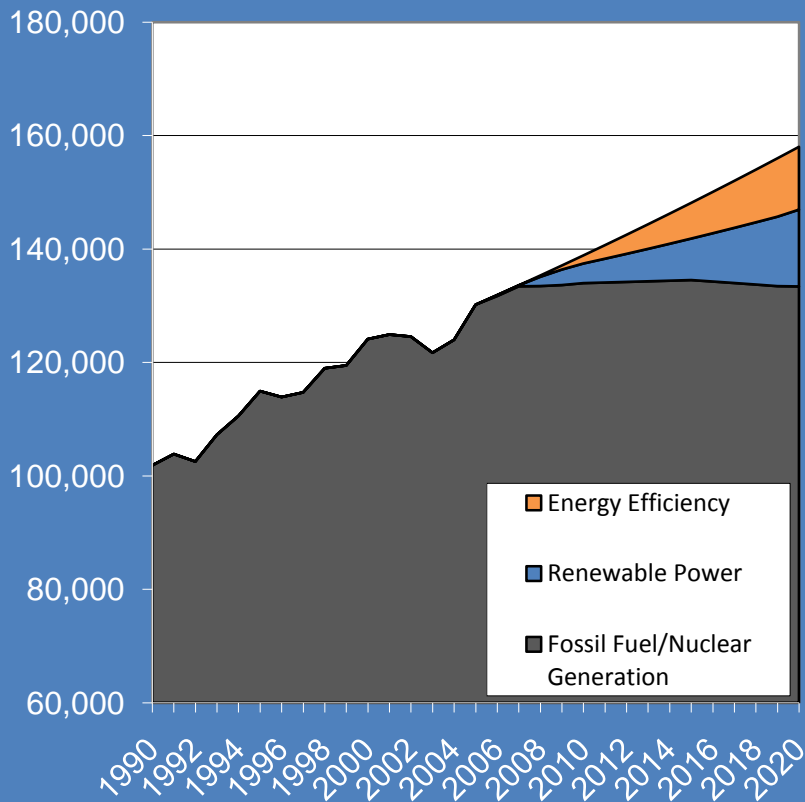


Environmental Benefits

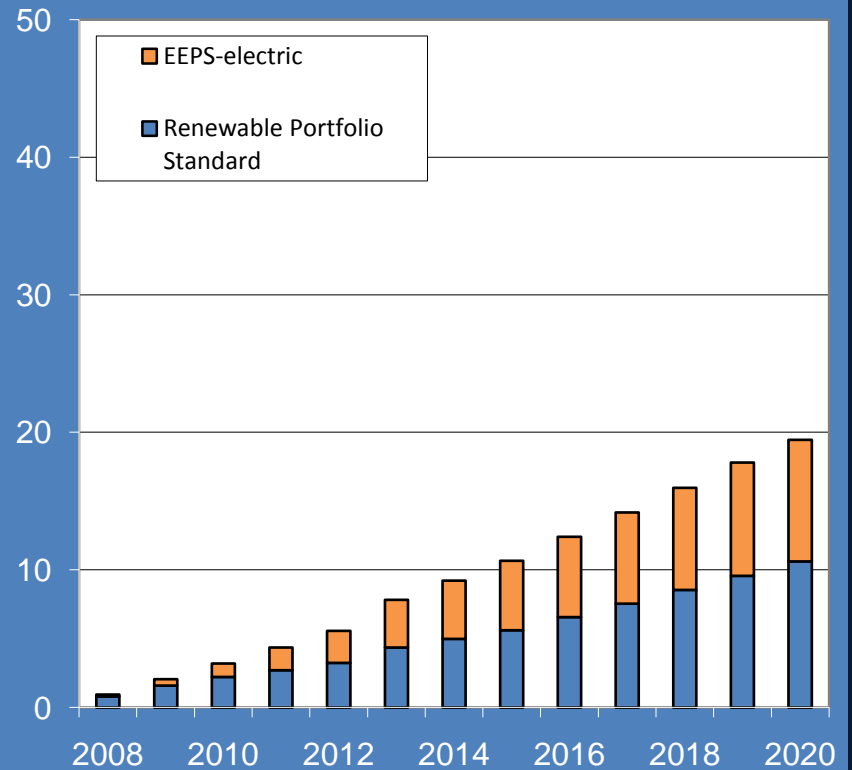
ENERGY EFFICIENCY PORTFOLIO BENEFITS

Environmental Benefits

Electricity Savings (million kWh)



CO₂ Reductions (million metric tons)





Promotional Materials

Key Web Links

Contact Information

PROGRAM RESOURCES

Promotional Materials

- The Bureau of Energy & Recycling offers the following brochures:
 - Bureau of Energy and Recycling Program Summary
 - Energy Efficient Illinois – Public Sector Incentives
 - Smart Energy Design Assistance Center (SEDAC)
 - Large-customer Energy Analysis Program (LEAP)
 - Illinois Sustainable Education Program (ISTEP)
 - Renewable Energy Resources Program (RERP)

Key Web Links

Link	Information
www.illinoisenergy.org	DCEO Energy Programs: guidelines, RFPs, contacts, applications, and other resources
www.ileeps.org	EEPS Information for DCEO, ComEd and Ameren EEPS programs
www.sedac.org	Smart Energy Design Assistance Center: Technical assistance for businesses and public sector providing energy information, news and trainings, energy service provider list
www.illinoisrecycles.com	DCEO Recycling Programs for local government, businesses and non-profits
www.illinoiscleanenergy.org	IL Clean Energy Community Foundation: grants for energy efficiency, renewable energy and natural areas for local government and non-profits