



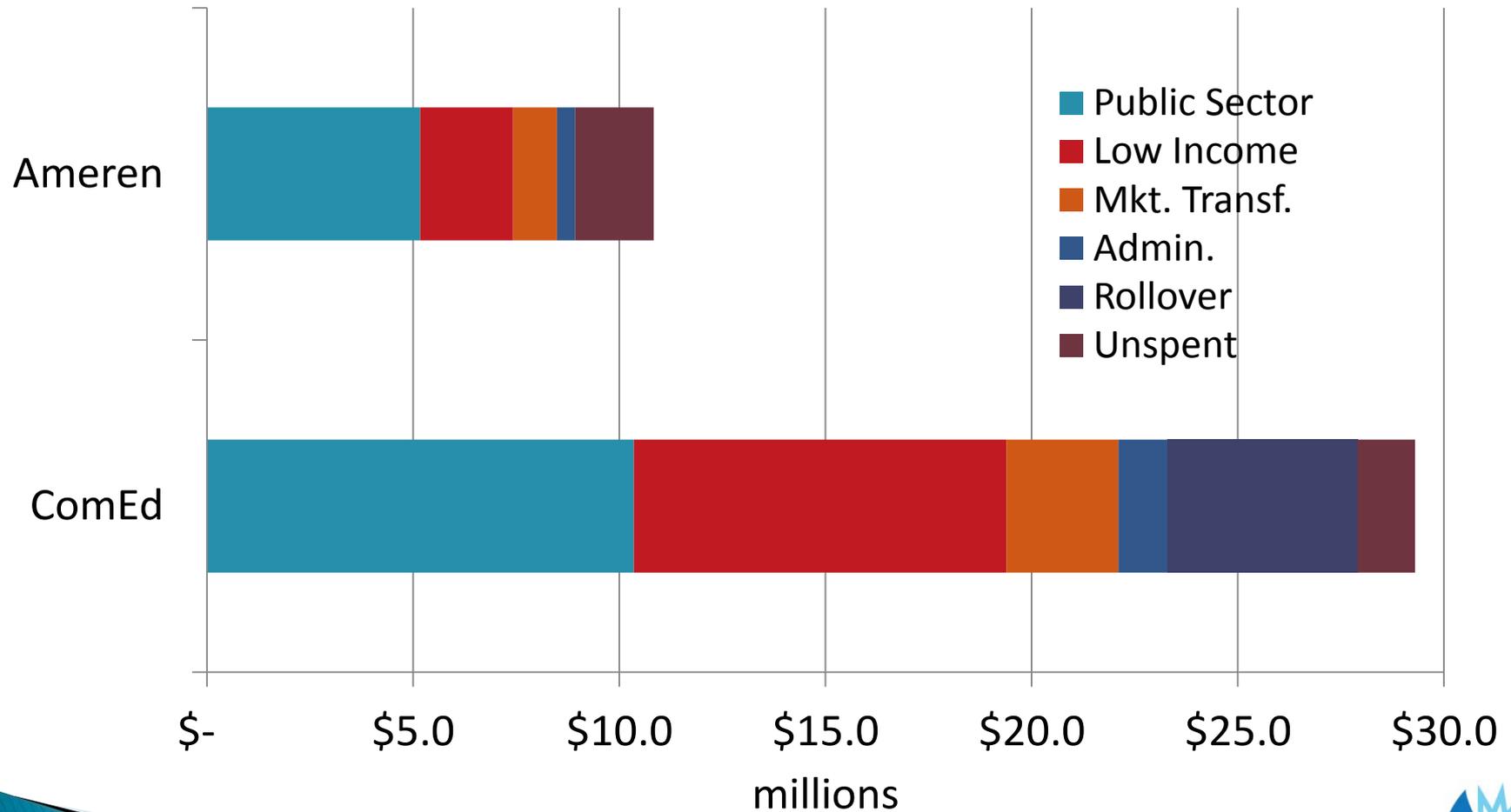
DCEO PY 2010-11 Annual Report

Sept. 27, 2011

DCEO Goals

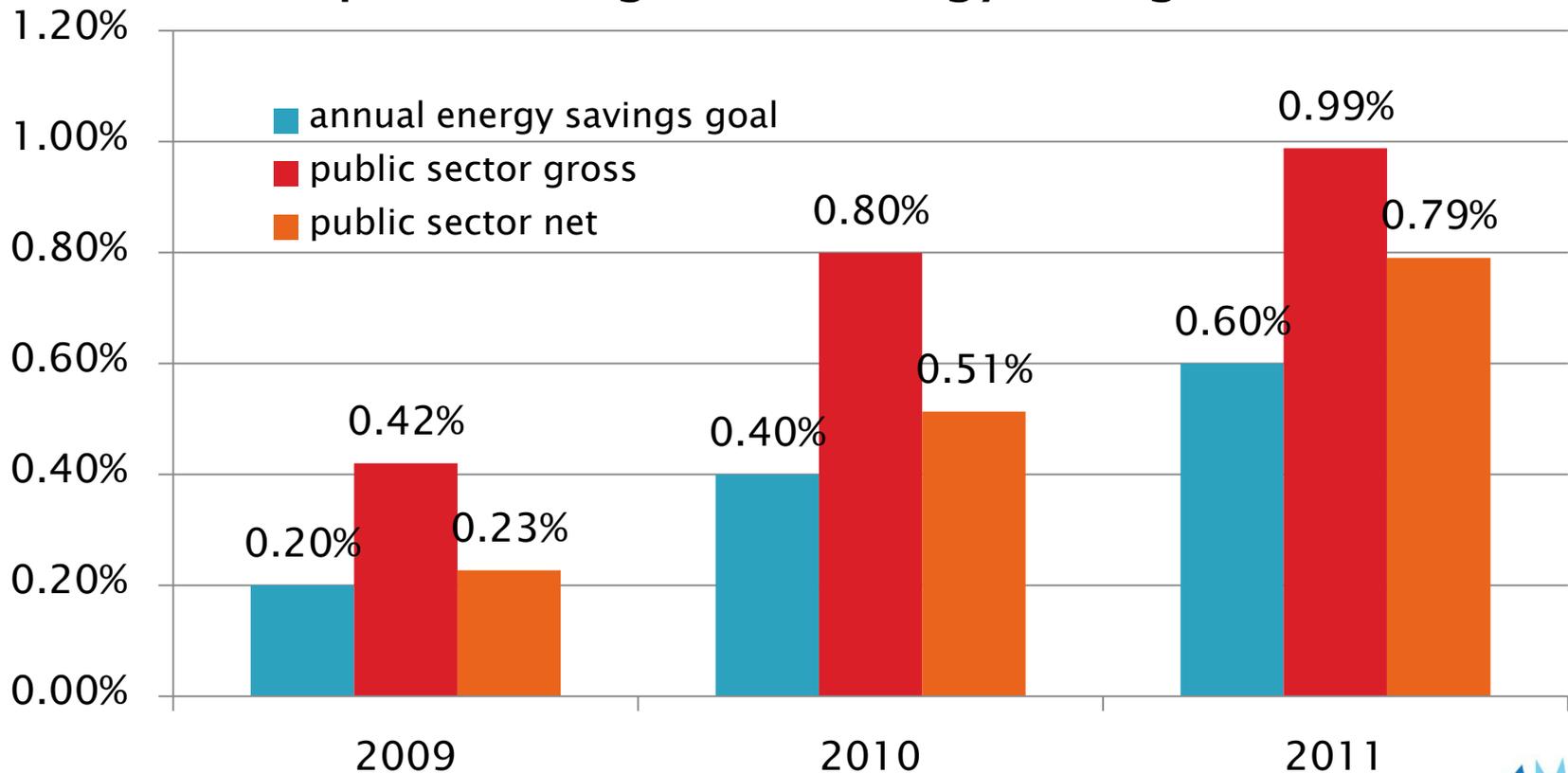
Category	Goal	Actual
Load Reduction Goal	0.6%	1.0%
Local govt, muni corp, k-12 schools, & community colleges	10%	10%+
Low Income Households	6%	7%+
Portfolio Budget	\$40.1 million	\$36.8 million

Estimated Expenditures



Public Sector Load Reduction

Percent kWh Load Reduction Compared to Legislative Energy Savings Goals



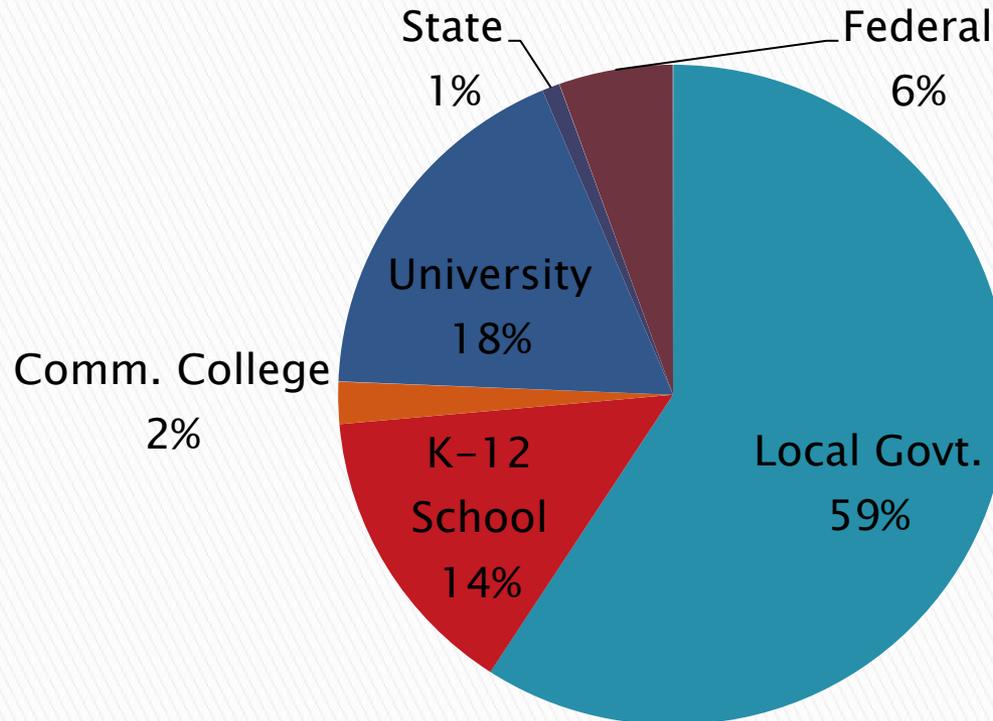
Public Sector Energy Efficiency Program

- ▶ DCEO received 688 public sector applications through the 4th quarter of PY 3, twice the number of PY 2
- ▶ 169 projects were postponed into next year or cancelled
- ▶ 335 funded applicants were ComEd customers and 184 Ameren Illinois customers
- ▶ 76% of the applications are for standard incentives, 13% for custom incentives, and 11% for a combination of incentives

Program	ComEd	Ameren IL
Standard	248	144
Custom	44	26
Combined	43	14

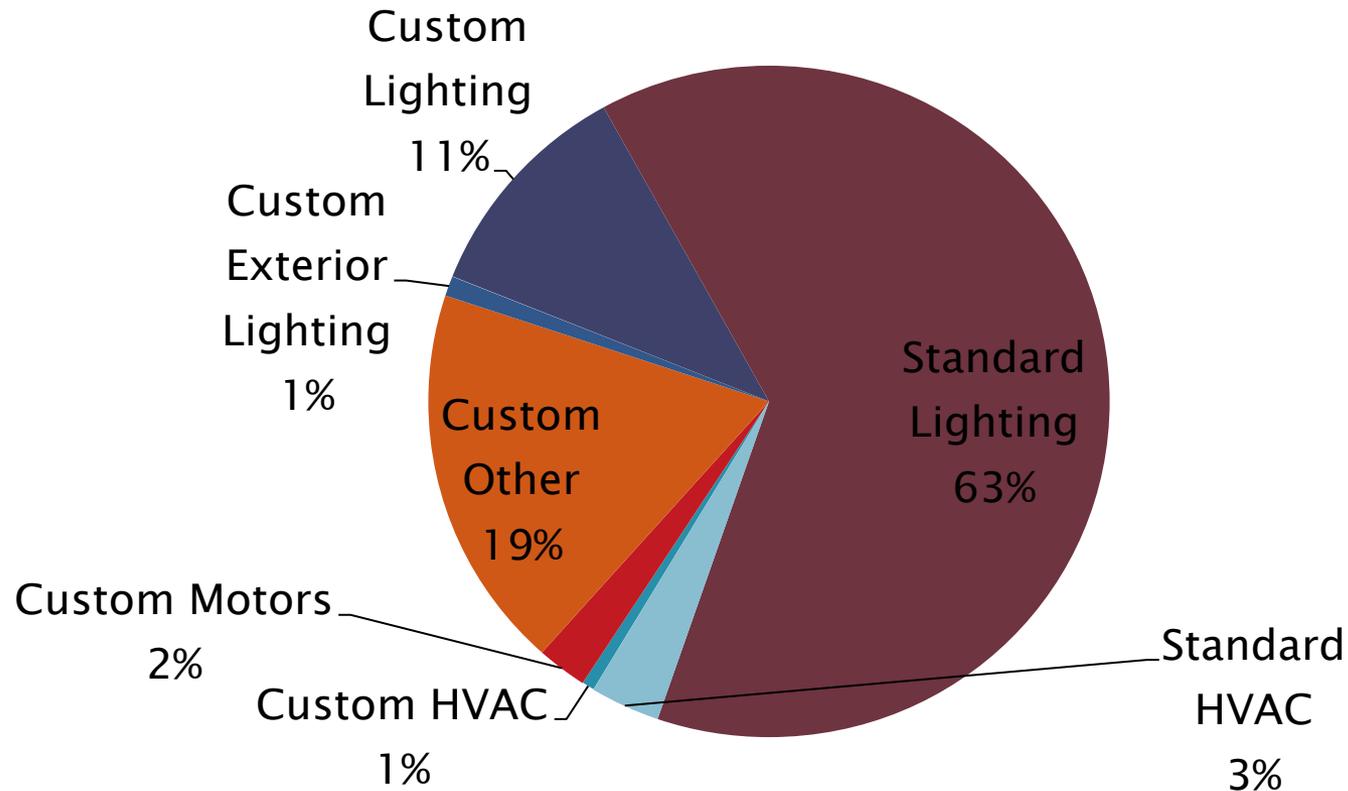


Percent Savings by Public Category



- Three-fourths of the funds are targeted to local governments, k-12 schools, and community colleges.

Percent Savings by Project Type



- Standard and Custom lighting projects are the most common project types.

Retro-commissioning Program

- ▶ Through grants to SEDAC and Nexant, DCEO completed 9 projects and initiated 15 new projects in PY 3
- ▶ The projects are estimated to save 4,323 MWh

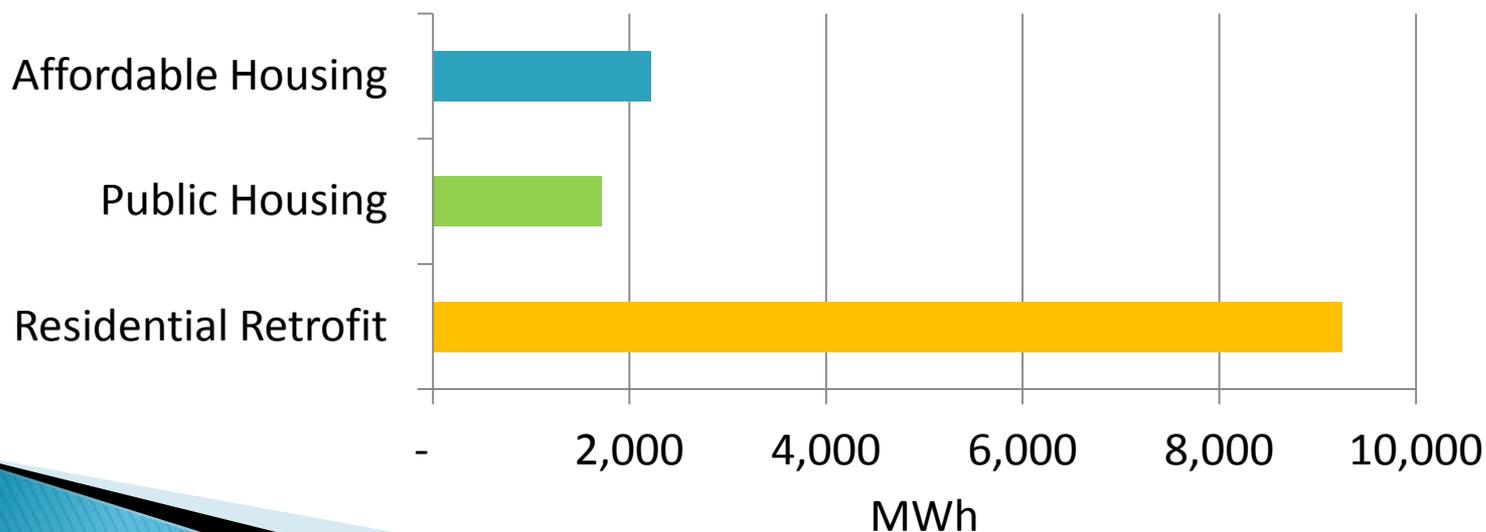
Utility Territory	Completed Projects	New Projects	Budget	Energy Savings (MWh)
ComEd	4	9	\$875,345	1,769
Ameren	5	6	\$500,000	2,554
TOTAL	9	15	\$1,375,345	4,323

- ▶ Examples of projects:
 - Normal Children's Discovery Museum
 - Peoria Civic Center
 - Harold Washington Library
 - Cook County Building
 - Soldier Field



Low Income Programs

- ▶ DCEO administered three low income programs in PY 3:
 - Energy Efficient Affordable Housing Construction Program
 - Energy Efficient Residential Retrofit Program
 - Public Housing Authority Program
 - Overall, DCEO's low income programs achieved more than twice as much energy savings as originally projected, 13,174 MWh vs. 5,088 MWh planned



Energy Efficient Affordable Housing Program (EEAHCP)

- ▶ EEAHCP provided \$3,309,747 in grants for new affordable housing and gut rehab projects
- ▶ In total, 27 projects to develop 1,462 housing units were initiated and 20 projects involving 819 units were completed
- ▶ The completed projects achieved 2,214 MWh in energy savings

Utility	Housing Units Initiated	Housing Units Completed	Budget	Energy Savings (MWh)
ComEd	1,313	714	\$2,861,454	1,691
Ameren	149	115	\$448,293	523
Total	1,462	829	\$3,309,747	2,214



EEAHCP – Completed Projects

ComEd

Grantee	Project Name	City	Units
<i>Multi-family Rehab</i>			
Alexian Brothers Bonaventure House	Bettendorf Place	Chicago	24
Cook County Housing Development (Turnstone)	Riverdale Senior Housing	Riverdale	52
Brinshore 2800 Corp.	Hairpin Lofts	Chicago	25
Chicago Housing Authority	The Pomeroy	Chicago	104
<i>Single-family Rehab</i>			
Community Partners for Affordable Housing		Highland Park	2
Green HFH Action Group		Waukegan & Chicago	10
<i>Multi-family New Construction</i>			
Interfaith Housing Dev. Corp of Chicago	Branch of Hope Apartments	Chicago	100
Lawndale Christian Development Corp.	Dr. King Legacy Apartments	Chicago	42
Lake County Center - Prevention of Domestic ...	A Safe Place	Zion	20
Holiness Homes of Vision, Inc.		Chicago	54
Neighborhood Housing Services	Roseland Pl. Senior Apartments	Chicago	60
NHS Redevelopment	Victory Centre SA	Chicago	72
Senior Suites Chicago Wright Campus, LLC	Autumn Green at Wright Campus	Chicago	32
St. Edmunds Redevelopment Corporation	The Commons	Chicago	41
NHS Redevelopment	Wrightwood SA	Chicago	76
		Total:	714

Ameren Illinois

Grantee	Project Name	City	Units
<i>Single-family New Construction</i>			
Mt. Sinai Development Corporation	Sinai Village	East St. Louis	23
Housing Authority of the County of Shelby, IL	Hickory Estates	Shelbyville	30
Blackhawk Apartments, Inc.	Lexington Farms	Jerseyville	32
Madison County Affordable Housing Corp, NFP		Madison	5
East Central Illinois	Prairie Meadow Homes	Hoopeston	25
		Total:	115



Low Income Residential Retrofit Program

- ▶ The Low Income Residential Retrofit Program provided \$6,140,856 in grants to seven organizations for direct install programs.
- ▶ The installed measures are estimated to save 9,248 MWhs.

Program	ComEd units	Ameren units
Community Development Assist. Program	0	119
Chicago Housing Authority (CHA)	3,934	0
Historic Chicago Bungalow Association	302	0
Delta Institute	158	0
Heartland Housing	430	0
CNT Energy	2,358	0
Weatherization	9,919	5,111

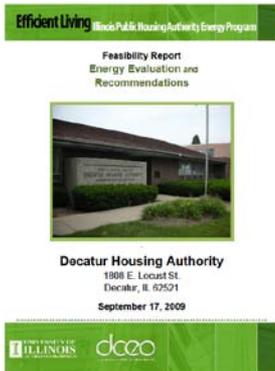
Energy Conservation Measure	No.
<i>Appliances</i>	
Refrigerator	3,311
Dishwasher	187
Clothes Washers	12
<i>Lighting</i>	
Fluorescent fixtures	1,860
CFLs	149,220
<i>Air Conditioning</i>	
Central AC	150
Room AC	618
<i>Other</i>	
Ceiling Fan	626
Bath Fan	760
Advanced Blower	407
Insulation/Sealing	637



Efficient Living: Public Housing Program



- Administered by Building Research Council, targeting 84 PHAs eligible for energy efficiency portfolio
- Provided technical assistance to 14 PHAs and grants to 12 PHAs
- Installed 6,505 ECRMs including refrigerators, washing machines, lighting, occupancy sensors, AC units, vending machines, exit signs
- Recycled 1,630 refrigerators, 854 window ACs, and 185 PTACs



Utility	No. of PHAs	Budget	Energy Savings (MWh)
ComEd	6	\$1,460,020	1,049
Ameren	6	\$539,980	662
TOTAL	12	\$2,000,000	1,711



Market Transformation Programs

- ▶ **The Smart Energy Design Assistance Center (SEDAC)**
 - Provided level 1 assistance to 421 clients, completed 190 design assistance reports (level 2 & 3), provided level 4 follow up services to 84 projects
 - Identified 42,000 MWh in savings and 7.2 MW demand reductions
 - Plan to count “additional” savings in PY 3
- ▶ **Large–customer Energy Analysis Program (LEAP)**
 - Held four Sustainable Energy Planning Workshops with total participation of 34 attendees from business and government
- ▶ **Building Industry Training and Education (BITE)**
 - Funded a total of \$1,300,000 in grants to provide a variety of training and education to building professionals across Illinois
- ▶ **Energy Performance Contracting**
 - Provided technical assistance to schools, PHAs, and local governments



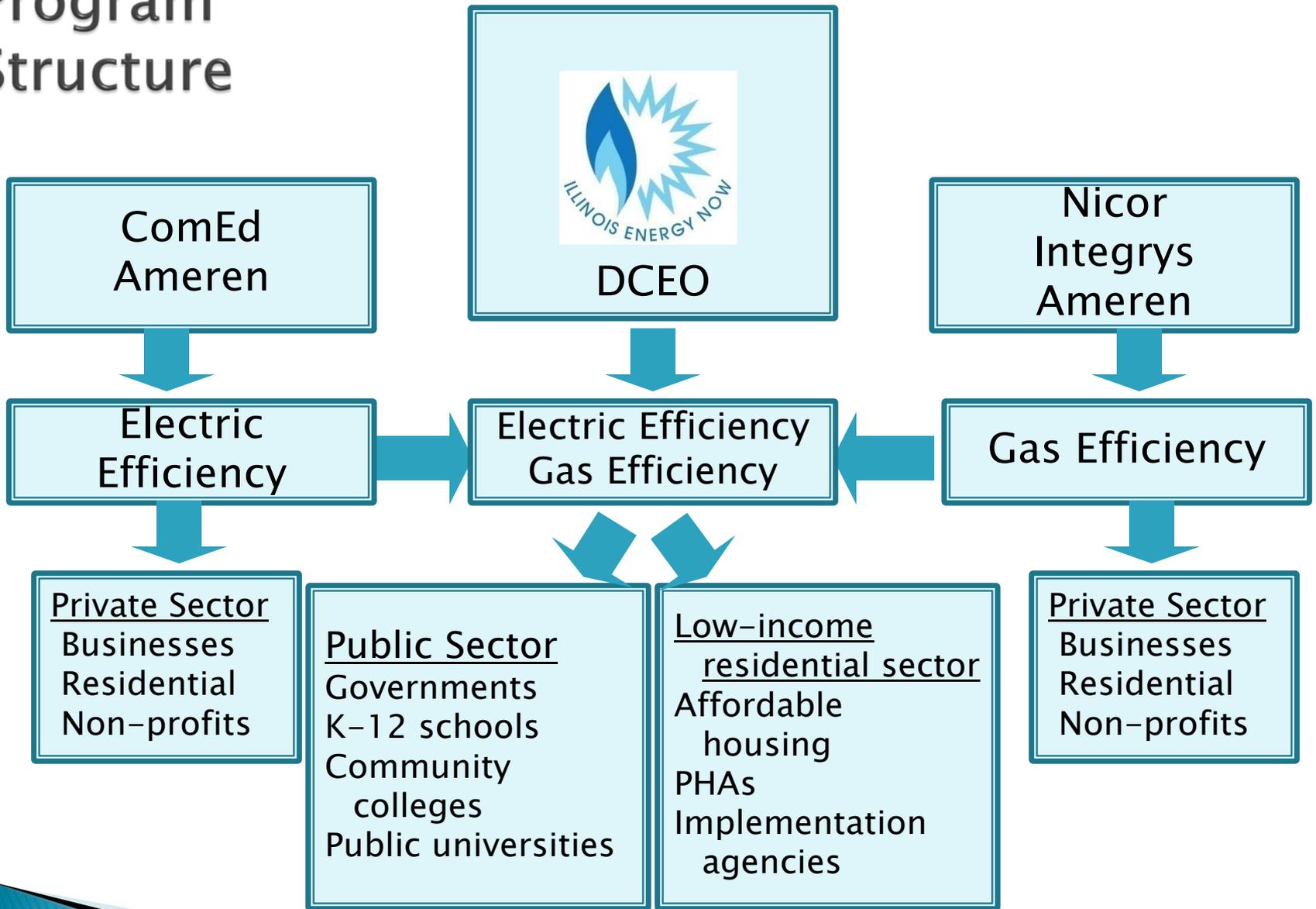
Market Transformation – BITE

- ▶ Projects included:
 - Building codes training and technical assistance
 - Building Operator Certification Program
 - Home Performance with Energy Star planning
 - Building Professional Institute (BPI) Training
 - Energy Rater support and mentoring
 - Project Implementation Assistance



Integrated Natural Gas and Electric Efficiency Programs

Program Structure

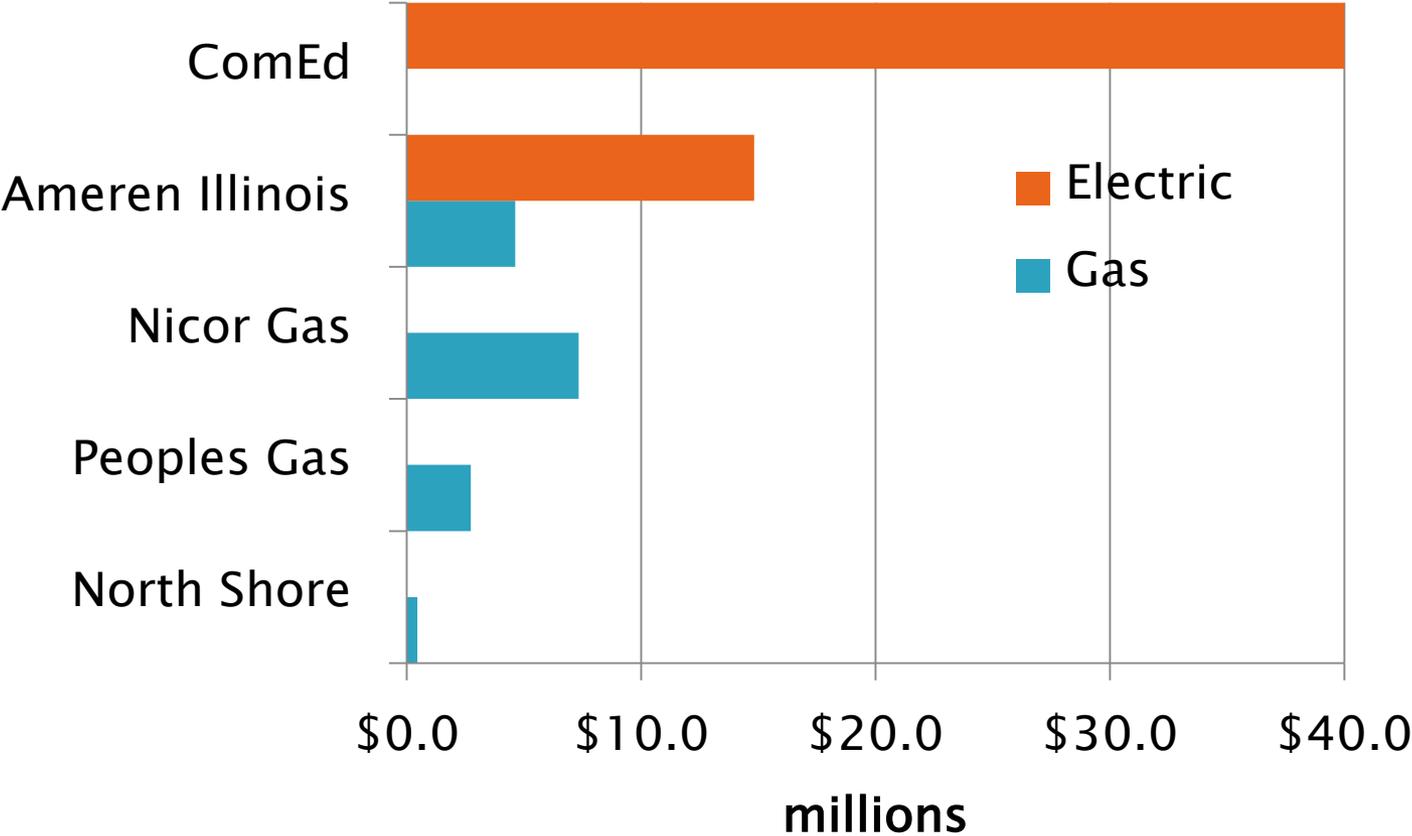


Estimated Budget for Illinois Energy Now

Year	Electric	Natural Gas
2011-12	\$ 54 million	\$15 million
2012-13	\$ 55 million	\$22 million
2013-14	\$ 56 million	\$30 million



DCEO Budget by Utility Territory



www.illinoisenergy.org

2011-2012 Program Year 4 Guidelines and Application available now for Illinois Energy Now Public Sector Electric and Natural Gas Efficiency Programs (for projects completed June 1, 2011 – May 31, 2012).

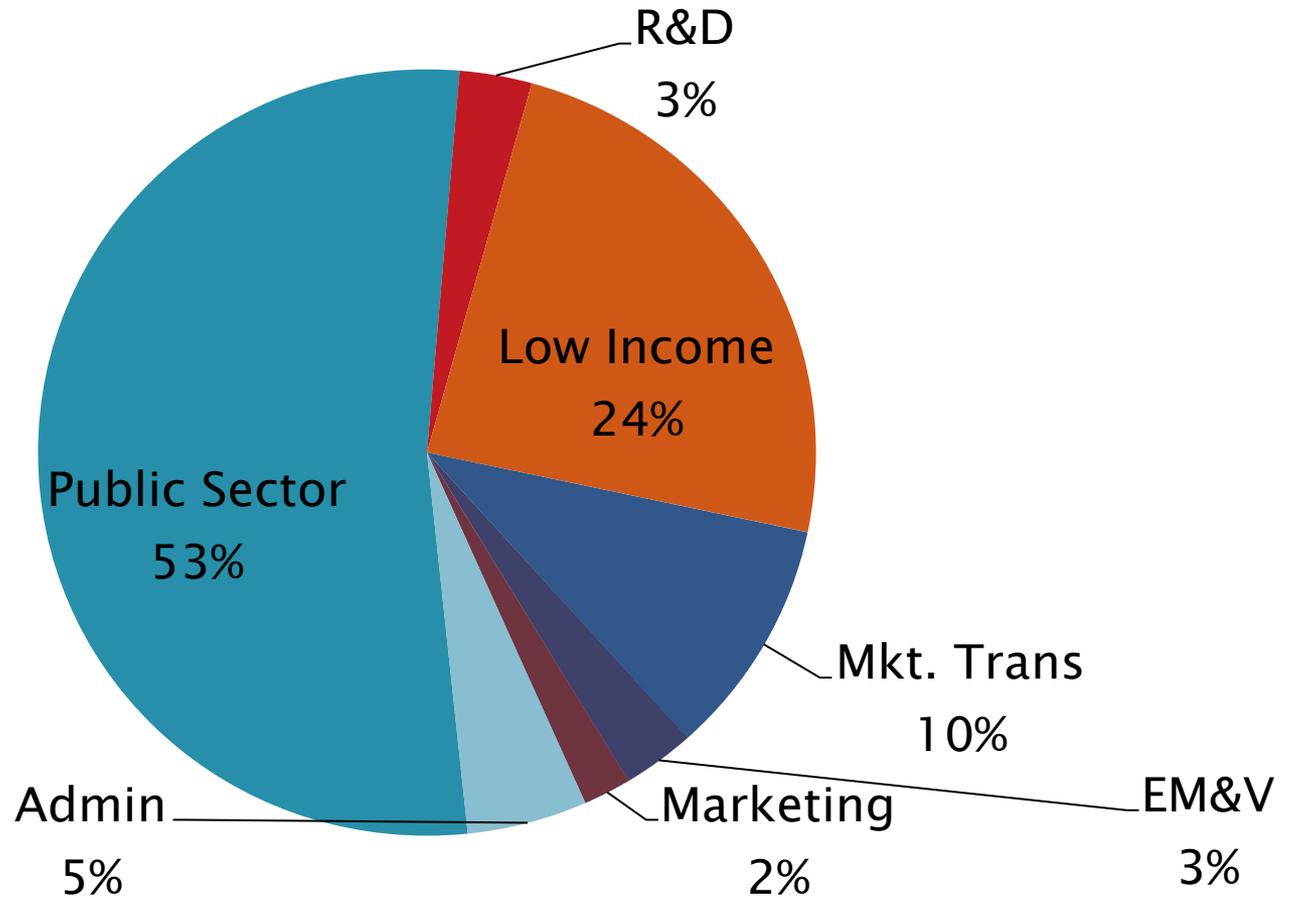
Please Check here for Funding Availability before proceeding with Application for Illinois Energy Now Public Sector Standard and Custom Incentive Programs.

Table 1. Funding Availability June 1, 2011

ELECTRIC		
✓	Ameren	Yes
✓	ComEd	Yes
NATURAL GAS		
✓	Ameren	Yes
✓	Nicor	Yes
✓	North Shore	Yes
✓	Peoples	Yes



DCEO Budget Allocation



Gas and Electric Goals

▶ Electric

- 155-157 million kWh per year during three-year plan period (compared to 105 million kWh gross in PY 3)
- approximately 15% of statewide goal

▶ Natural gas

- 18 million therms three-year goal (approximately 3, 6, and 9 million therms in each of the years)
- Legislatively mandated as 20% of statewide goal

Building Industry 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 Program goals. Includes:*

1. Building code and beyond code training
2. Building Operator Certification
3. Illinois Home Performance with Energy Star
4. Trade Ally Network support and training
5. Community College Sustainability Program
6. Low Income Implementation Assistance

New Program

DCEO Trade Ally Network

- ▶ Statewide coordinated Trade Ally Network
- ▶ Educate Trade Allies on DCEO programs and Illinois Energy Now application process
- ▶ Webinars and resources for special sales or incentives
- ▶ Incentive structure for trade allies (under design)
- ▶ Joint effort of ERC and SEDAC



Public Sector Natural Gas Boiler Tune-Up Special Offering

- ▶ Encourage investment in energy efficiency through:
 - Boiler Tune-Ups
 - Steam Trap Repair/Replacement
 - Pipe Insulation Repair
- ▶ Applications accepted from September 1st, 2011 through February 29th, 2012
- ▶ Maximum Incentive/Rebate Allowed for any Single Project/Application is \$35,000
- ▶ Administered by ERC, contact: Stefano Galiasso, (312) 996-8646 boiler@uic.edu



Boiler Tune-Up (cont'd)

▶ Boiler Tune-Ups

- Boiler size >200,000 Btuh
- High/Low (\$300) or Fully Modulating (\$600)
- No previous tune-up within last year

▶ Steam traps

- For traps that are leaking steam (failed “open”)
- Detection method (pyrometer, ultrasound or visual)
- \$60 per individual steam trap, up to \$300 for high pressure
- Mass replacement assumes 25% failure rate

▶ Pipe Insulation

- Available for missing/defective insulation
- Incentives vary by pipe size and R factor from \$3 to \$11/sq. ft.



New Program

Public Sector Aggregation

- ▶ Allows local governments and non-profit entities serving the public sector to combine projects
- ▶ Allows unique approach to serve different sectors
- ▶ Aggregator will manage project implementation
- ▶ New delivery channel to hard-to-reach customers
- ▶ Training and Technical Assistance will be provided

- ▶ 2011 – 2012 Award recipients
 - City of Chicago
 - IGEN – Community College Sustainability Network
 - Metro Mayors Caucus
 - Ill County Commissioners Association

Public Sector Energy Efficiency Program

- ▶ DCEO has received 418 public sector applications in the current program year
- ▶ 379 applications were for electric measures and 39 for natural gas measures
- ▶ 65% of the applications are for standard incentives, 20% for custom incentives, and 15% for a combination

Program	ComEd	Ameren IL Elec	Ameren IL Gas	Nicor	Peoples	North Shore	TOTAL
Standard	174	82	7	5	0	2	270
Custom	39	21	7	15	1	2	85
Combined	52	11	0	0	0	0	63
TOTAL	265	114	14	20	1	4	418

