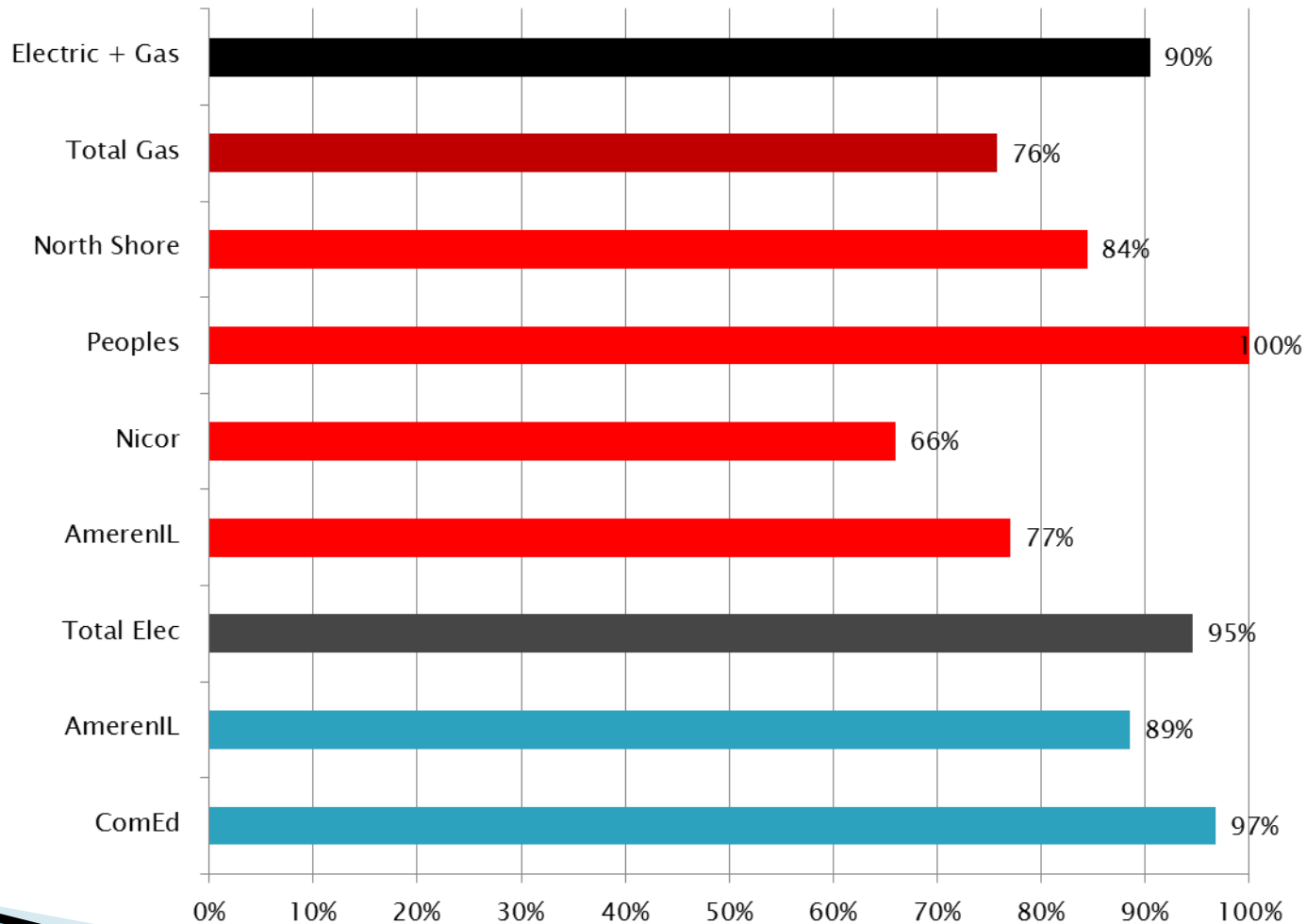




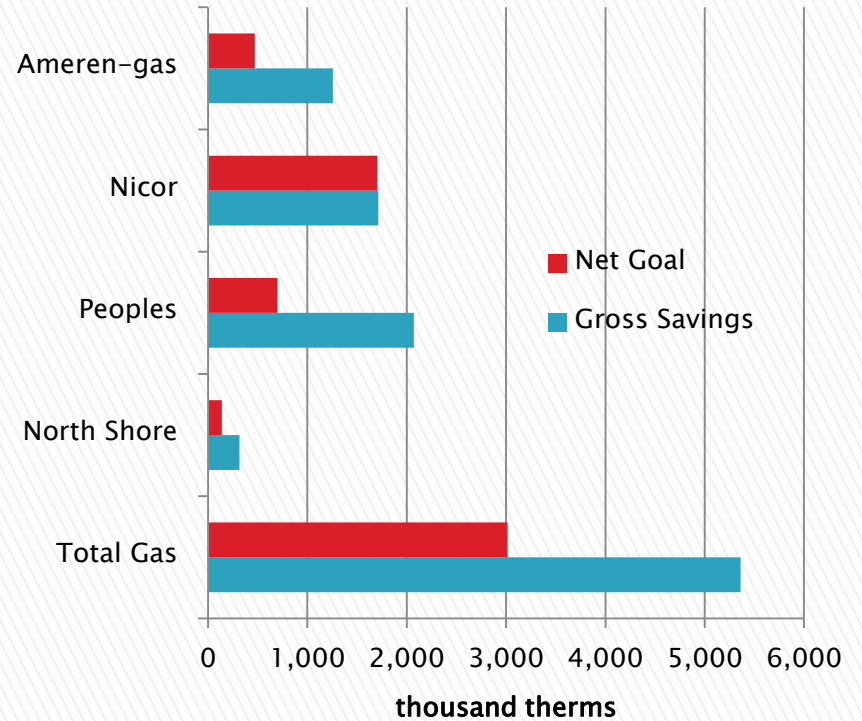
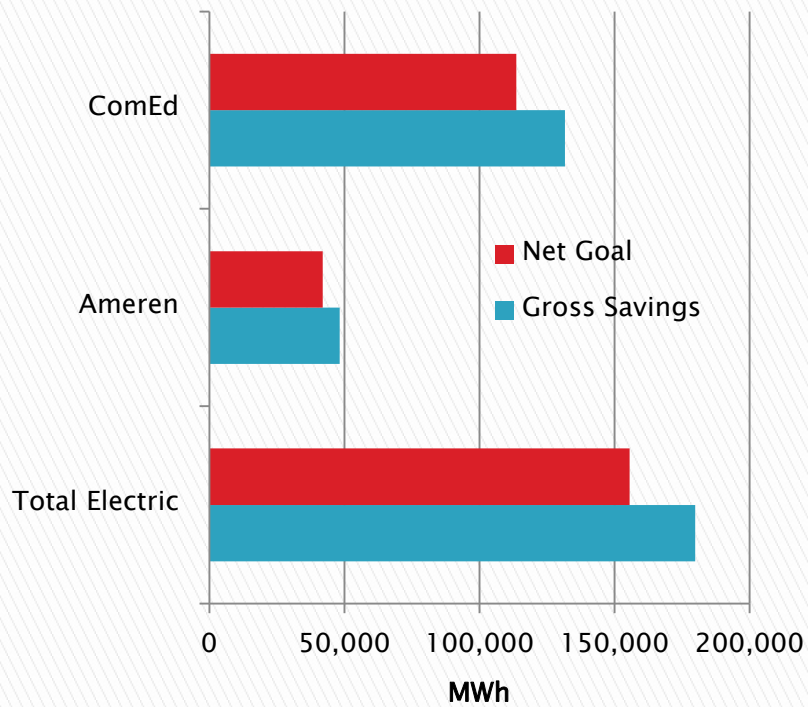
# DCEO 2011 - 2012 Report September 25, 2012

# Illinois Energy Now

## % of Program Funds Expended



# Electric and Natural Gas Savings



Electric

Natural Gas

# Public Sector Programs

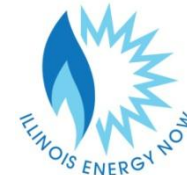


# Public Sector – Standard & Custom

- ▶ DCEO has received 859 public sector Standard and Custom applications in the current program year
- ▶ 91 projects rolled into the next program year or were cancelled.
- ▶ 68% of the applications are for standard incentives, 14% for custom incentives, and 19% for a combination

Program	ComEd	Ameren IL Elec	Ameren IL Gas	Nicor	Peoples	North Shore	TOTAL
Standard	315	146	16	14	1	3	495
Custom	62	30	7	13	1	6	119
Combined	108	20	0	0	0	0	128
TOTAL	485	196	23	27	2	9	742

Numbers in table exclude Aggregation and Boiler Tune-up projects, cancelled projects and projects that moved to next PY.



# New Construction Program

- ▶ 4 projects in Ameren territory
  - Atkinson Fire Protection District
  - Carterville and Champaign School Districts
- ▶ 3 projects in ComEd/Nicor territory
  - College of DuPage
  - Village of Mt. Prospect
  - Village of Carpentersville
- ▶ Estimated energy savings of 2.2 million kWh and 37,000 therms

# Retro-commissioning Program

- ▶ 15 projects verified, with energy savings of ~10.7 million kWh and 841 kW (not final)
- ▶ 33 new projects started (>10 million sf)
- ▶ Examples of projects:
  - McCormick, O'Hare, CTA
  - Universities – UIC & SIUE
  - CCs – Lake Co., Moraine Valley, Southwest Illinois
  - K-12 – Chicago, W. Aurora, Glenbrook, Columbia
  - Police departments – Chicago & Bloomington

Utility Territory	Completed Projects	New Projects
ComEd elec only	9	1
Ameren elec only	6	
Ameren gas/elec		4
Ameren/Nicor		1
ComEd/Nicor		9
ComEd/No. Shore		1
ComEd/Peoples		12
TOTAL	15	33



# Public Sector Aggregation

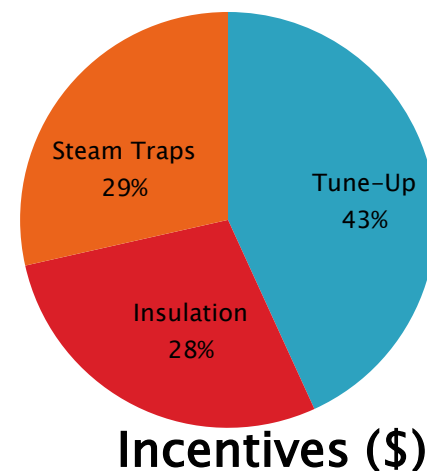
- ▶ 2011 – 2012 Award recipients
  - City of Chicago
  - IGEN – Community College Sustainability Network
  - Metro Mayors Caucus
  - Ill County Commissioners Association
- ▶ Monitored closely through frequent communication
- ▶ Increased funding for some territories
- ▶ Allocated funds - \$7.8 million (\$7.4 million electric, \$0.4 million gas)
- ▶ Estimated savings – 26.5 million kWh, 342,000 therms



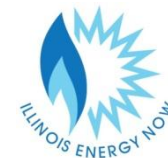


# Boiler Tune-Up Program

- ▶ Encourage investment in energy efficiency through:
  - Boiler Tune-Ups
  - Steam Trap Repair/Replacement
  - Pipe Insulation Repair
- ▶ Very cost-effective – \$0.19/Therm
- ▶ Projects:
  - Universities – NIU, WIU, UIC, & UIUC
  - CCs – Harper College, College of Lake Co., Dupage, Waubonsee, Prairie and others
  - K-12 – Chicago Public Schools, several School Districts
  - Municipalities – Evanston, Springfield, Niles
- ▶ Overall Gross Savings 1.86 M Therms (>2 x the goal)



[boiler@uic.edu](mailto:boiler@uic.edu)



# Low Income Programs



# Energy Efficient Affordable Housing Construction Program

- ▶ Completed 22 projects, including 1,574 units of energy efficient affordable housing
- ▶ Initiated 29 new projects, including 1,597 housing units
- ▶ Energy savings of 3.3 million kWh and 156,000 therms
- ▶ Grants of \$4.4 million (\$3.3 million electric, \$0.3 million gas, \$0.8 million EETF)

	Completed Projects		New Projects	
Housing Type	Number	Units	Number	Units
Multi-family rehab	7	612	10	530
New multi-family	13	917	13	991
New Single Family	2	45	6	76
TOTAL	22	1574	29	1597

# Low Income Residential Retrofit Program

- ▶ Issued grants to 7 organizations for direct install of efficiency measures in existing low income households.
- ▶ Awards total \$8.5 million (\$6.8 million electric, \$1.7 million gas)
- ▶ Weatherization and CDAP include natural gas measures, while others grants limited to electric measures
- ▶ Energy Savings – 12.6 million kWh and 706,000 therms (including 485,000 from Energy Savers)

Program	Measures
LIHEAP Weatherization	Elec and gas
Community Development Assist. Program	Elec and gas
CNT – Energy Savers	Elec measures and elec/gas audits
Springfield CWLP	Non-EEPS elec
Bungalow Assoc.	Elec measures
Delta Institute	Elec measures
Hispanic Housing	Elec measures



# Public Housing Authority Program



- ▶ 28 participating Public Housing Authorities (42 sub-awards, 26 electric, 16 gas)
- ▶ Total expenditures of \$2.8 million (\$1.8 million electric, \$1 million gas)
- ▶ Energy savings of 6.6 million kWh and 910,000 therms

Utility	No. of PHAs	Expenditures	Electric Savings (kWh)	Gas Savings (therms)
ComEd	7	\$1,107,565	3,044,038	
AmerenIL - elec	19	\$690,359	3,562,001	
AmerenIL - gas	9	\$473,402		89,687
Nicor	6	\$393,798		762,992
Peoples	1	\$114,419		37,018
North Shore	1	\$6,375		20,400
<b>TOTAL</b>		<b>\$2,785,918</b>	<b>6,606,039</b>	<b>910,098</b>



# Market Transformation Programs





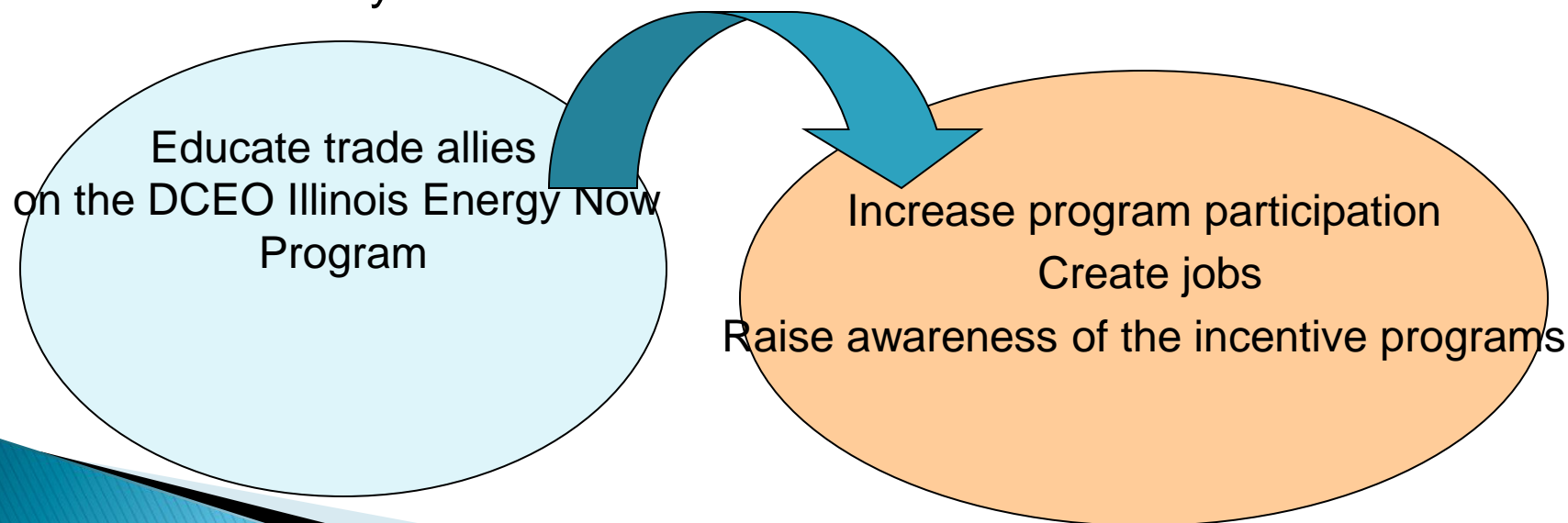


## DCEO ILLINOIS ENERGY NOW TRADE ALLY PROGRAM

[www.erc.uic.edu/tradeallies/](http://www.erc.uic.edu/tradeallies/)

# Why have a DCEO Trade Ally Program?

Provide Link Between Illinois Energy Now Program & Energy Efficiency Customers







SMART  
ENERGY  
DESIGN  
Assistance Center

[www.sedac.org](http://www.sedac.org)



(note: if animation doesn't show, try opening in web browser)

# 1000!

- ▶ Design Assistance Program:
  - 104 energy assessments complete (~14 million sf)
  - Potential savings: >38 million kWh & >2.5 million therms.
  - Potential money savings: >\$6.7 million (24%)
  - 90 energy assessments in process (~9 million sf)
- ▶ Training and Presentations:
  - 8 Energy Workshops, 1 webinar, & 30 other presentations.

# Building Industry Training & Education

- ▶ \$3.4 million in grant awards to 7 different organizations
- ▶ Funding for 8 programs/projects to provide a range of training, education, and technical assistance

Program	Grantee
Building Energy Codes Training	International Energy Conservation Consultants
Building Operator Certification	Midwest Energy Efficiency Alliance
Home Performance with Energy Star	Midwest Energy Efficiency Alliance
Trade Ally Program	UIC Energy Resources Center
Community College Training & Education	Illinois Green Economy Network
Schools Technical Assistance	Shelton Solutions
Low Income Technical Assistance	Domus Plus
Low Income Audits - Energy Savers	Center for Neighborhood Technology
Better Buildings Conference	Energy Center of Wisconsin



# EPC Technical Assistance

Entity	Status	Project Size	Est'd Annual Savings
UIUC	phase 2 construction started	\$10.7 M	\$1.2 M
UIC	3 proposals under review	~\$20 M	
NEIU	nearly complete	\$6.14 M	\$400 k
ISU	60% constructed	\$8.5 M	\$600 k
City of Chicago/CPS	3 ESCOs selected, in negotiations	\$25-35 M	
Daley Center	nearly complete	\$7.74 M	\$462 k
Springfield Airport	95% complete	\$1.7 M	\$126 k
City of Decatur	actively working on RFP		
Illinois CMS	selection process underway		
CTA	actively working on RFP		
		~\$75 M	>\$6 M



# Codes Training Program PY 2011-12

## 35 Full-day training events

- 1 Better Buildings Better Business Conf.
- 14 ComEd (Nicor, Peoples, Northshore)
- 10 Ameren Gas & Ameren Electric
- 10 full-days for Chicago Building Dept.

## 981 Total participants

### Electric

- Ameren Illinois **118**
- ComEd **235**

### Gas

- Ameren Gas **324**
  - Nicor **265**
  - North Shore Gas **19**
  - Peoples Gas **20**
- 981**

## Technical Assistance

Responded to 190 hotline or email requests for code interpretation or technical assistance on 2009 IECC and 2012 IECC.

# Illinois Energy Codes FREE Training

Don't Miss Out!  
Register Now!

HARPER COLLEGE	
Palatine, IL	Feb 16, 2012
LEWIS & CLARK COMMUNITY COLLEGE	
Godfrey, IL	Feb 21, 2012
HEARTLAND COMMUNITY COLLEGE	
Normal, IL	Feb 27, 2012
KANKAKEE COMMUNITY COLLEGE	
Kankakee, IL	Mar 8, 2012
ROCK VALLEY COLLEGE	
Rockford, IL	Mar 13, 2012
JOHN WOOD COMMUNITY COLLEGE	
Quincy, IL	Mar 16, 2012
BLACK HAWK COLLEGE	
Kewanee, IL	Mar 22, 2012
ILLINOIS CENTRAL COLLEGE	
East Peoria, IL	Mar 27, 2012
SOUTHWESTERN ILLINOIS COLLEGE	
Bellefonte, IL	Mar 30, 2012
<b>NEW!</b> MORAIN VALLEY COM. COLLEGE	
Palos Hills, IL	April 5, 2012
LINCOLN LAND COMMUNITY COLLEGE	
Springfield, IL	Apr 10, 2012
ILLINOIS EASTERN COMMUNITY COL	
Otney, IL	Apr 11, 2012
HARPER COLLEGE	
Palatine, IL	Apr 17, 2012
<b>NEW!</b> SOUTH SUBURBAN COLLEGE	
OAK FOREST, IL	Apr 20, 2012
<b>NEW!</b> ROCK VALLEY COLLEGE	
Rockford, IL	Apr 25, 2012
ILLINOIS VALLEY COMMUNITY COLLEGE	
Oglesby, IL	Apr 26, 2012
MCHENRY COUNTY COLLEGE	
Crystal Lake, IL	May 8, 2012
DANVILLE COMMUNITY COLLEGE	
Danville, IL	May 10, 2012
<b>2x NEW!</b> WILBUR WRIGHT COLLEGE	
Chicago, IL	May 3 <sup>rd</sup> and May 4 <sup>th</sup> , 2012

To Register Click Here!

<http://www.surveymonkey.com/s/BITEILen>  
[www.CodesTrainings](http://www.CodesTrainings)

Sessions run from 8:00a to 4:30p



**ARE YOU UP TO DATE ON THE NEWEST ENERGY CONSTRUCTION CODES for ILLINOIS?**

The Illinois Energy Office has announced its schedule for a training series directed at the Illinois construction industry. Homebuilders, designers, code officials and home performance professionals will be able to learn about the newest energy conservation codes for new construction, additions and renovation projects in Illinois. \* Sessions offered to Illinois Investor Owned Utility customers at no cost.

Seminars will provide the basis for the correct use of the 2012 IECC and Standard 90.1-2010 in the design, plan review, field-inspection, and analysis of construction in Illinois.

Topics Include:

- IECC 2012
- Blower Door Testing
- Duct Leakage Testing
- ASHRAE 90.1-2010
- IGCC 2012

Events approved for 6.0 AIA HSW/SD LUs, 2.3 BPI CEUs, 6.0 GBCI CE hours, and 0.6 CEUs toward ICC certification renewal.

Illinois Energy Office – Energy Efficiency Education & Codes  
500 E. Monroe, Springfield, IL 62701

[HTTP://WWW.ILCECO.NET/ENERGYCODE](http://www.ilceco.net/energycode)





- ▶ MEEA completed six training series – 5 level I, one level I
- ▶ MEEA hosted BOC Advisory meeting recapping previous year’s achievements and solicited advice for upcoming year
- ▶ Next year to feature training for veterans, 5 Level I trainings, and a BOC Renewal Fair

Utility	BOC Graduates	Electric Savings (MWh)	Gas Savings (therms)
Total	126	22,806	70,182

Note: energy savings are based on net savings per BOC graduate from Navigant consulting evaluation for PY 10-11.





# Status and Contractor Resources

- ▶ Program launched in Northern IL Oct 31 through partnership w/ Energy Impact IL
- ▶ First 7 retrofits completed
- ▶ 29 contractors now enrolled
- ▶ Training calendar – consolidated list of all relevant trainings across IL
  - Building Science Training Series
  - Rebates of \$250 for BPI Building Analyst, Envelope, Air Sealing certifications
- ▶ Building Science Hotline: 866-395-1032 ext. 3
- ▶ Equipment Loan Program: partnership between MEEA and IGEN, ready to launch
- ▶ Developing IHP co-marketing materials
- ▶ IHP Gold & Silver Certificates – only IHP Participating Contractors can offer these to homeowners – 7 awarded to date

[www.IllinoisHomePerformance.org/](http://www.IllinoisHomePerformance.org/)

