



DCEO **ILLINOIS ENERGY NOW**

# ILLINOIS ENERGY NOW: 2<sup>ND</sup> QUARTERLY REPORT

DCEO Energy & Recycling Office

SAG Meeting| December 9, 2014



**Illinois**  
**Department of Commerce**  
& Economic Opportunity

Pat Quinn, Governor



# PROGRAM PARTNERS



**Illinois**  
**Department of Commerce**  
& Economic Opportunity

Pat Quinn, Governor



Illinois Energy Now | 1-800-214-7954 | [www.ILenergynow.org](http://www.ILenergynow.org)



# *ILLINOIS ENERGY NOW*

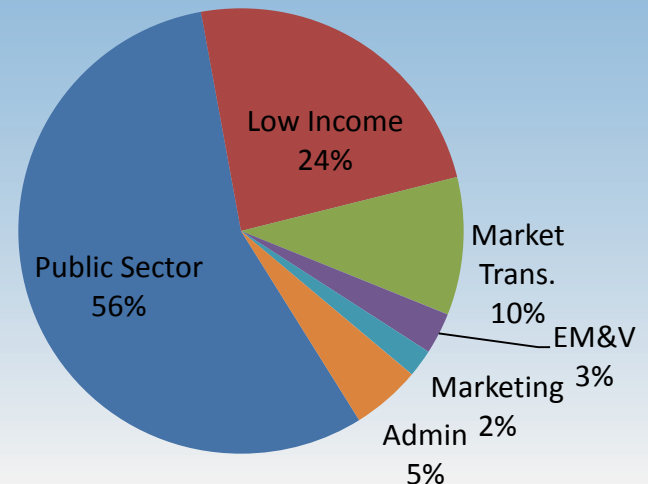
## GOALS & BUDGETS FOR 2014-2015

### **Energy savings goals:**

- ⦿ Electricity: 141.5 million kWh
- ⦿ Natural gas: 5.2 million therms

### **Program budgets:**

- ⦿ Electricity: \$54.1 million
- ⦿ Natural gas: \$22.0 million





# PUBLIC SECTOR PROGRAMS





# ILLINOIS ENERGY NOW PUBLIC SECTOR PROGRAMS MID-YEAR UPDATE

## **Standard, Custom, and New Construction Rebates:**

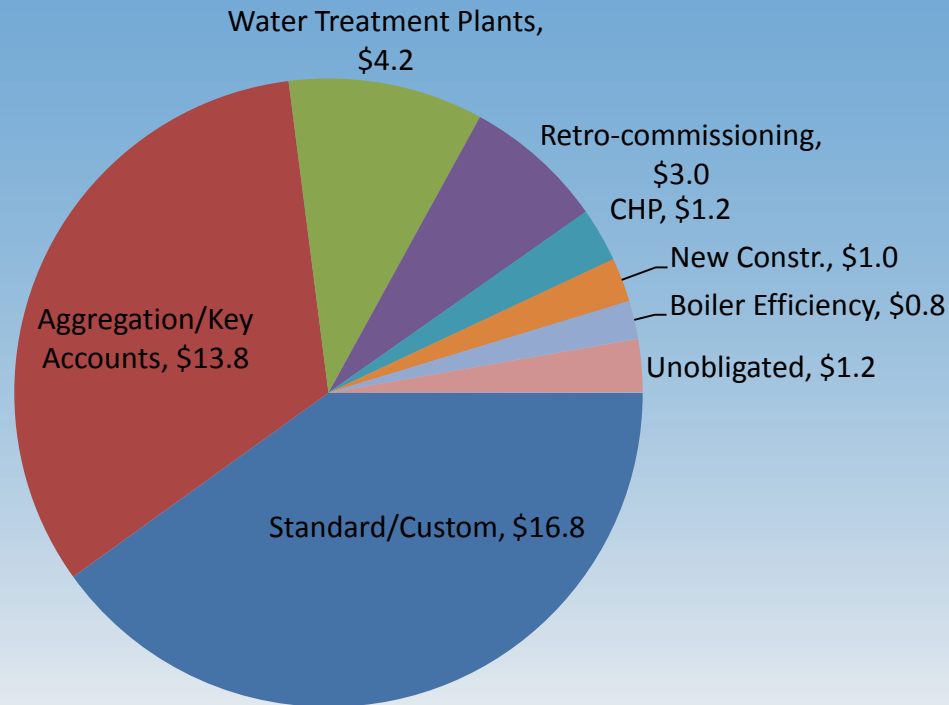
- Funds continue to be available for Ameren Electric and Nicor customers.
- Funds are limited for Peoples and North Shore customers.
- Funds are exhausted for ComEd and Ameren Gas customers, but applications will be accepted for a waitlist.
- Clean Water Rebates are limited for all customers. Once funds are exhausted, applicants will be placed on a waitlist.
- Boiler Tune-Ups and Rebates continue to be available for Nicor, North Shore, and Peoples customers. Ameren Gas customers may submit applications for a waitlist.
- All Illinois Energy Now Services continue to be available. Public sector customers can apply for assessments, retro-commissioning, STEP, design assistance and more.





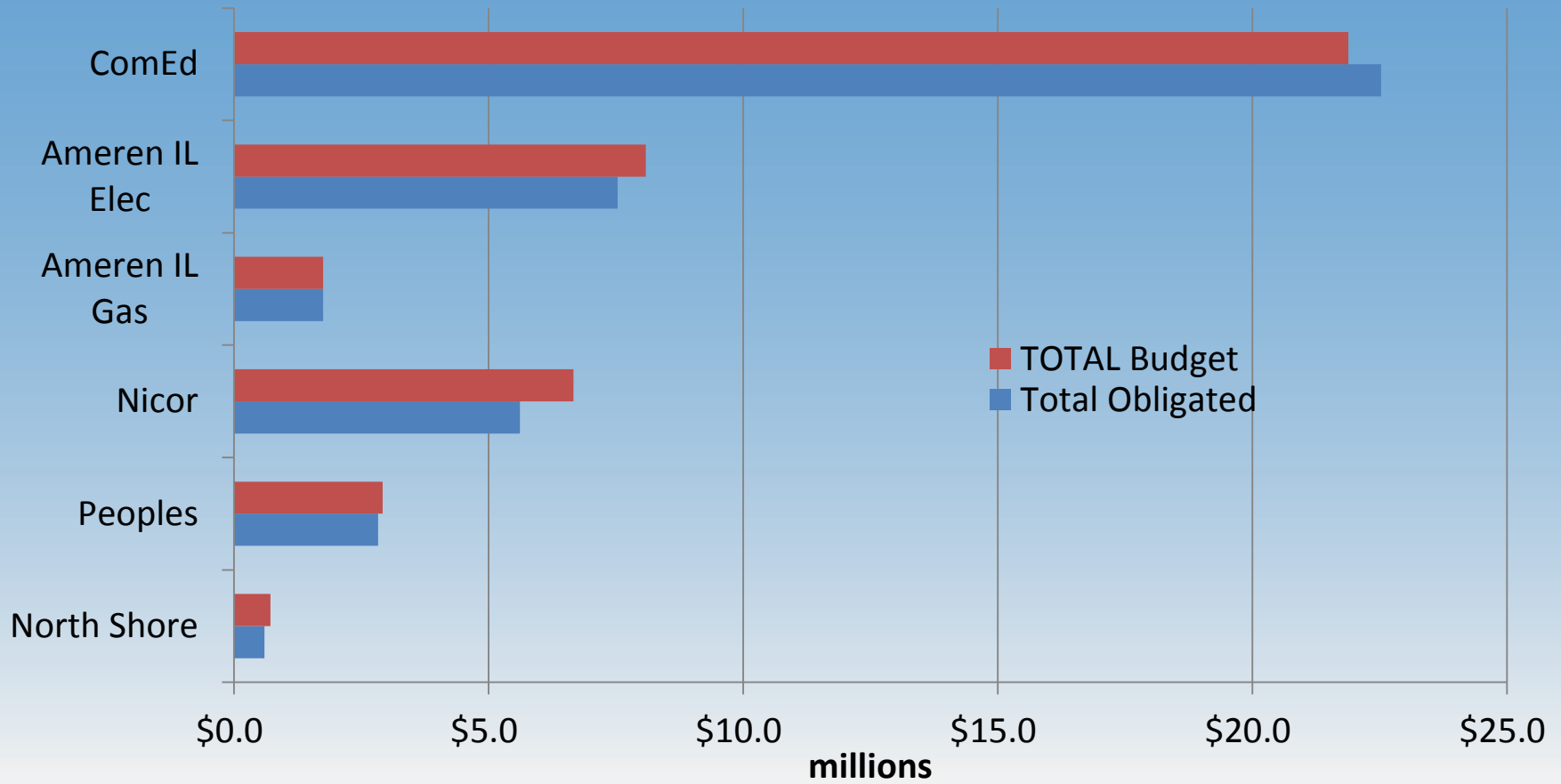
# PUBLIC SECTOR PROGRAMS

## Public Sector Obligations (\$ millions)





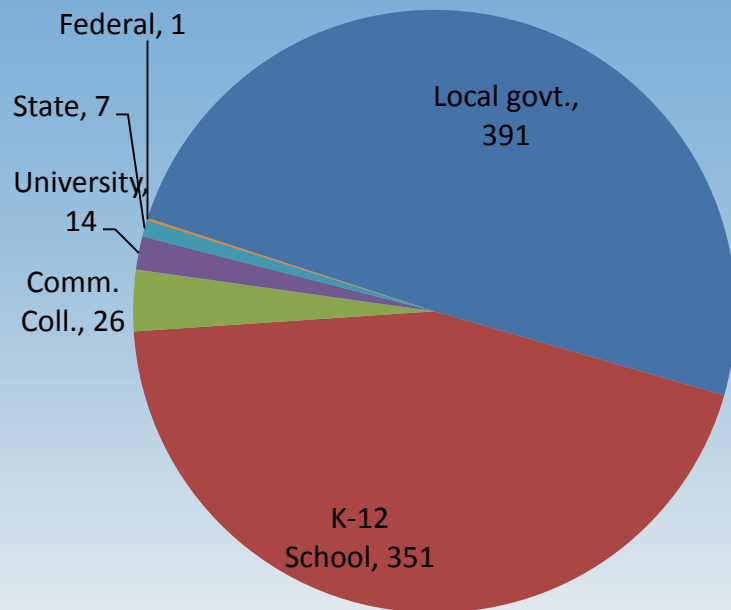
# PUBLIC SECTOR PROGRAMS BY UTILITY TERRITORY



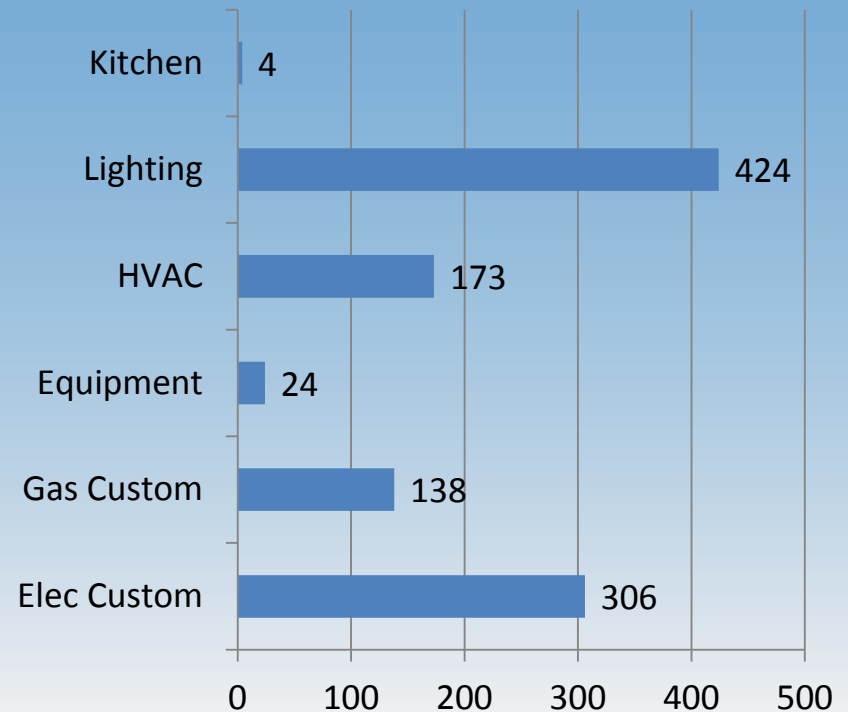


# NUMBER OF PUBLIC SECTOR PROJECTS

## BY GOVERNMENTAL TYPE



## BY MEASURE TYPE





# NEW CONSTRUCTION PROGRAM

- 22 buildings could potentially complete in PY 7
- 11 buildings are expected to be completed in PY8
- In discussions or pre-approval stage for an additional 24 potential projects to be completed in PY 8 or later program years





# RETRO-COMMISSIONING

- \$3 million budget
- Projected savings – 16 million kWh; 900,000 therms
- Planning/audit stage – 14 projects
- Verification stage – 35 projects
- Mini-RCx projects – 3
- RCx dashboards – 7 live, 2 installation underway





# CLEAN WATER ENERGY EFFICIENCY INITIATIVE

- The program is designed to complement Federal and State Clean Water Initiatives by enticing water and waste water treatment facilities to invest in newer energy efficient technology when updating their current facilities
- Offers enhanced incentive for high efficiency aeration systems, including high efficiency blowers, aeration diffusers and controls
- 9 projects in progress
- Estimated energy savings of 9 million kWh





# COMBINED HEAT AND POWER PROGRAM

- Request for Applications closed November 21
- Received 17 applications
- Projects include: Argonne, O'Hare and Midway airports, 7 water treatment plants, 1 university, 1 community college, 4 public schools, and a correctional facility
- Currently conducting technical review of applications
- Budgeted \$12 million in incentives over three years - \$9 million electric, \$3 million natural
- Incentives offered in three phases – design, construction, and production





# SAVINGS THROUGH EFFICIENT PRODUCTS

## STEP offers free, easy-install products to new Illinois Energy Now customers

- Low-flow Faucet Aerators (unlimited)
- Low-flow Showerheads (unlimited)
- Kitchen Pre-rinse Green Nozzles (unlimited)
- CFLs (40 maximum)
- LED Exit Signs (50 maximum)
- Vending Machine Controls (10 maximum)
- Occupancy Sensors (60 maximum)
- Outdoor LEDs (30 maximum)

### ► Process

- Engineer leads facility walkthrough
- Facility installs the free products and submits verification
- MEEA connect facilities to additional rebates, programs and educational opportunities.



	PY7
Facilities	76 completed 150 projected
kWh Saved	2,200,000 kWh projected
Therms Saved	130,000 projected



Savings Through Efficient Products  
Partnering with Public Facilities to Reduce Energy Use





# AGGREGATION / KEY ACCOUNTS PROJECTS

Applicant	Project Description
Metropolitan Mayors Caucus	Aggregation of municipal projects in Chicago area
UIC Energy Resources Center	Natural Gas Boiler Tune-Up Program
Midwest Energy Efficiency Alliance (MEEA)	Savings Through Efficient Products (STEP) program and data center pilot program
UIC Energy Resources Center	Illinois Department of Corrections Aggregation
Chicago Public Schools	Chicago Public Schools Key Account
Illinois Green Economy Network (IGEN)	Community College Aggregation (outdoor lighting)
University of Illinois at Chicago	UIC Key Account

Proposed:

\$21.7 million

Funded:

\$14.6 million





# LOW INCOME PROGRAMS





# LOW INCOME PROGRAMS

- Budgets based on share paid by households <150% of poverty, programs targeted up to 80% of Area Median Income (80 AMI)
- Four programs:
  - Energy Efficient Affordable Housing Construction – new and gut rehab
  - Energy Efficient Residential Retrofit
  - Energy Savers Multi-family Program – audits, retrofit, assistance in finding financing
  - Efficient Living Public Housing Authority Program





# ENERGY EFFICIENT AFFORDABLE HOUSING CONSTRUCTION PROGRAM

- Available funds - \$5 million
- PY 7 obligations \$4.4 million, with \$1.5 million in potential additional projects

Number of Housing Units

Housing Type	Continuing Projects	New Projects	TOTAL
New Multi-family	1,055	1,147	2,202
New Single Family	180	92	272
Gut Rehab Multi-family	322	697	1,019
Gut Rehab Single Family	5	1	6
TOTAL	1,562	1,937	3,499

Number of Projects

Housing Type	Continuing Projects	New Projects	TOTAL
New Multi-family	16	22	38
New Single Family	7	5	12
Gut Rehab Multi-family	4	6	10
Gut Rehab Single Family	1	1	2
TOTAL	28	34	62



# RESIDENTIAL RETROFIT

- Available funds - \$9.3 million
- 32 applications for \$13.1 million
- Funded projects:
  - Energy Savers Multi-family Program (Elevate Energy)
  - LIHEAP Home Weatherization Assistance
  - Chicago Bungalow Association
  - 6 others - Hispanic Housing, City of Springfield, Black United Fund, Neumann Family Services, Residential Options, Affordable Housing





# PUBLIC HOUSING AUTHORITY PROGRAM

- Public Housing Authority Efficient Living Program
  - Available funds - \$4 million
  - Administered by UIUC Building Research Council
  - Working with 6 PHAs in Ameren IL territories
  - Working with 10 PHAs in ComEd, Nicor, North Shore, and Peoples
- Receiving MEEA Inspiring Energy Efficiency Award





# MARKET TRANSFORMATION PROGRAMS





# SEDAC SERVICES

Service	Number
Level 1 quick assistance	229
Level 2/3 design assistance reports	100 completed, 119 in progress
Level 4 follow up services	20
Call Center and other inquiries	253
Web statistics	1,507,513 hits; 1,092,361 page views; 49,759 visitors
Workshops	6
Presentations and trainings	23





# BUILDING INDUSTRY TRAINING & EDUCATION (BITE) PROGRAM

- Available funds - \$3.5 million
- 25 applications for \$9.5 million
- Approved 10 projects/programs, including:
  - Energy Efficiency Building Codes Training
  - Building Operator Certification
  - Illinois Home Performance
  - Lights for Learning
  - Trade Ally Program
  - Application Assistance – Public Sector & Low Income
  - Community College Energy Management





# CODES TRAINING

**DCEO ILLINOIS ENERGY NOW**  
ILLINOIS ENERGY CODE TRAINING

**FREE Training**  
provided by  
the Illinois Energy & Recycling Office

**DON'T MISS OUT!**  
REGISTER NOW FOR THESE  
NEW 2014-15 DATES!

**ROCK VALLEY COLLEGE**  
Rockford, IL / November 26, 2014

**CITY OF LAKE FOREST**  
Lake Forest, IL / January 23, 2015

**LEWIS & CLARK COMMUNITY COLLEGE**  
Jefferson, IL / February 5, 2015

**JOHN A. LOGAN COMMUNITY COLLEGE**  
Carlinville, IL / February 12, 2015

**ILLINOIS CENTRAL COLLEGE**  
Peoria, IL / March 7, 2015

**WILSON COMMUNITY COLLEGE**  
Hagerstown, IL / May 19, 2015

To register, click on a location!  
All events run from 8:00am to 5:00pm.

Events offered to Illinois  
Investor-Owned Utility customers  
at no cost.

This workshop is an interactive training session that provides participants with the opportunity to learn about the latest energy efficiency measures and how to implement them in their own buildings. The training will cover a variety of topics, including energy audits, energy modeling, and energy conservation measures. Participants will also have the opportunity to ask questions and receive feedback from the trainers.

**2012 IECC EFFECTIVE JANUARY 1, 2013  
DEVELOPING & REVIEWING PERFORMANCE-  
BASED SUBMITTALS FOR CODE COMPLIANCE**

An energy code update is in progress, the energy code compliance is a complex task. The Illinois Energy & Recycling Office has developed a series of training modules to help building designers and code officials understand the new requirements and how to develop performance-based submittals for code compliance.

While energy code compliance is a complex task, it is also a rewarding one. By understanding the new requirements and how to develop performance-based submittals, building designers and code officials can ensure that their buildings are compliant with the latest energy code requirements.

Topics covered include:

- Understanding the new requirements
- Developing performance-based submittals
- Reviewing performance-based submittals
- Understanding the role of the energy auditor
- Understanding the role of the code official

Each participant will receive a copy of the training modules and a copy of the performance-based submittal form.

Events approved by IESNA/ASHRAE, LEED, and BREEAM.

Illinois Department of Commerce & Economic Opportunity

Illinois Energy & Recycling Office - Energy Efficiency Education & Code  
801 S. Monroe, Springfield, IL 62757 | [IllinoisEnergyNow.org](http://IllinoisEnergyNow.org)

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NEW 2014-15 DATES!

**CITY OF DANIEL**  
Danville, IL / October 24, 2014

**ILLINOIS CENTRAL COLLEGE (NORTH)**  
Peoria, IL / November 2, 2014

**SOUTHWESTERN ILLINOIS COLLEGE**  
Shelburne, IL / November 12, 2014

**ROCK VALLEY COLLEGE - NEW BUILDING**  
Rockford, IL / November 16, 2014

**WILSON COMMUNITY COLLEGE**  
Hagerstown, IL / February 13, 2015

**LEWIS & CLARK COMMUNITY COLLEGE**  
Jefferson, IL / February 19, 2015

**SOUTHWESTERN ILLINOIS COLLEGE**  
Shelburne, IL / February 26, 2015

**JOHN A. LOGAN COMMUNITY COLLEGE - BUILDING OF**  
Carlinville, IL / March 10, 2015

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**Residential HVAC Load Calculations**

11 DISCOUNTS  
Receive 10% off list price of all HVAC equipment. Receive 20% off list price of all HVAC equipment. Receive 30% off list price of all HVAC equipment. Receive 40% off list price of all HVAC equipment. Receive 50% off list price of all HVAC equipment. Receive 60% off list price of all HVAC equipment. Receive 70% off list price of all HVAC equipment. Receive 80% off list price of all HVAC equipment. Receive 90% off list price of all HVAC equipment. Receive 100% off list price of all HVAC equipment.

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NEW 2014-15 DATES!

**CHICAGO DEPARTMENT OF BUILDINGS (DEP)**  
Chicago, IL / October 13, 2014

**CHICAGO DEPARTMENT OF BUILDINGS (DEP)**  
Chicago, IL / November 19, 2014

**CITY OF LAKE FOREST**  
Lake Forest, IL / December 10, 2014

**ROCK VALLEY COLLEGE**  
Rockford, IL / January 7, 2015

**ILLINOIS CENTRAL COLLEGE (NORTH)**  
Peoria, IL / January 26, 2015

**WILSON COMMUNITY COLLEGE**  
Hagerstown, IL / May 19, 2015

**LEWIS & CLARK COMMUNITY COLLEGE**  
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**Illinois Energy Conservation Code**

On August 17, 2012, the Governor signed the Energy Conservation Code into law. The code is a comprehensive set of rules that govern the energy performance of buildings. It covers a wide range of topics, including energy audits, energy modeling, and energy conservation measures. The code is designed to help building designers and code officials understand the new requirements and how to develop performance-based submittals for code compliance.

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**TEST YOUR MODELING ACUMEN.**  
REGISTER FOR 2014-15 DATES NOW!

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Chicago, IL / November 13, 2014

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Peoria, IL / November 2, 2014

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Rockford, IL / February 16, 2015

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Jefferson, IL / February 19, 2015

**CHICAGO DEPARTMENT OF BUILDINGS (DEP)**  
Chicago, IL / March 11, 2015

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**Game On! Commercial Energy Modeling for Code Compliance**

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**Inside the Game! Modeling to Code with OpenStudio 1.5.0**

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# TRADE ALLY PROGRAM

## Trade Ally Rallies

- |                     |             |           |
|---------------------|-------------|-----------|
| • Northern Illinois | Oakbrook    | July 24   |
| • Southern Illinois | O'Fallon    | August 5  |
| • Central Illinois  | Bloomington | August 12 |

## Trade Shows

- |                     |             |        |
|---------------------|-------------|--------|
| • Northern Illinois | Rosemont    | Dec 4  |
| • Central Illinois  | Springfield | Dec 10 |

<b>Clean Water Summit</b>	Oak Brook	Dec 8
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**In PY7, 9 BOC Level I and II trainings are in progress and will be completed**

- To date, 4 trainings have completed with 52 participants. A total of 120 students will be trained in PY7 for a total of 7,680 training hours

**Hosted BOC advisory, curriculum training and partner meetings**

**Certified, provided mentoring and leveraged job placement support for 2 unemployed/underemployed veterans;**

- Goal of 10 in PY7

**Rolling out new BOC Level 1 curriculum developed by NEEC next PY**

	BOC Graduates	Electric Savings (MWh)	Gas Savings (therms)
Total Projected PY7	120	21,720	66,840





# LIGHTS FOR LEARNING®

**L4L is a free K-12 education and fundraising program for Illinois youth. Organizations can:**

- Host a free energy efficiency educational presentation
- Host a free, high-yield efficient lighting fundraiser
- Maximize the learning and earning by hosting both

**Fundraisers promote CFLs, LEDs & energy efficient products**

- Students become EE educators
- Free presentations focus on:
  - Basic energy literacy
  - Energy-saving products
  - Home energy conservation



	PY7
Youth Educated	20,000 (goal)
Items Sold	TBD
kWh Saved	TBD



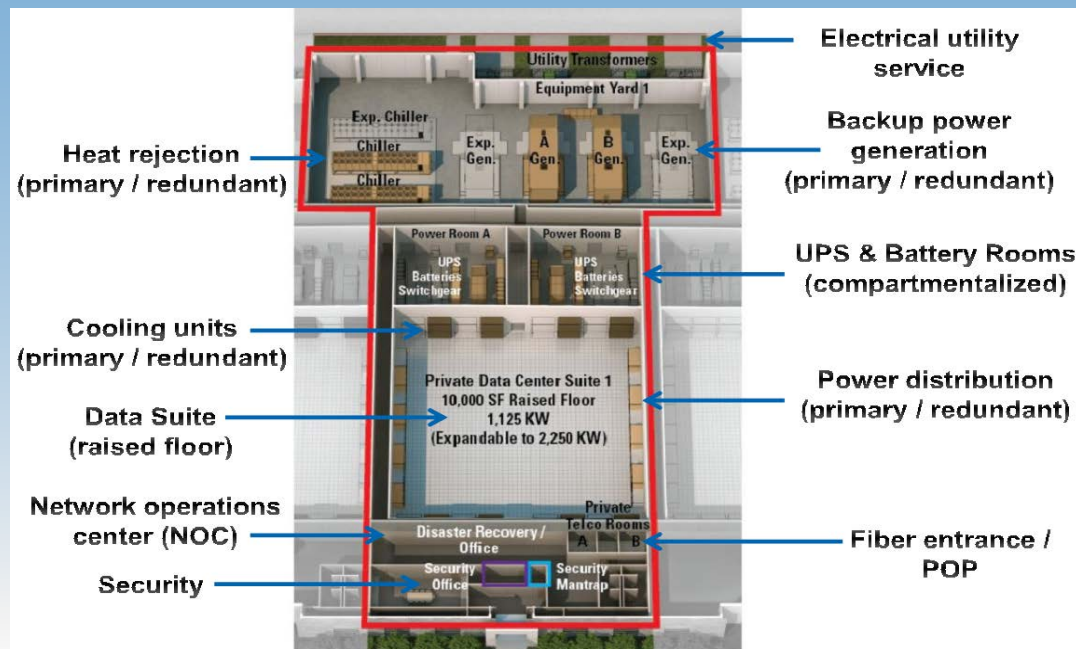


# DATA CENTER PROGRAM

## PY7: Data Center Assessments in ComEd Territory

- Identify strong candidates
- Perform engineer assessment
- Assist with measure prioritization
- Assist with incentive applications

	PY7
Facilities	TBD
kWh Saved	TBD
Therms Saved	TBD







# ILLINOIS HOME PERFORMANCE WITH ENERGY STAR®

**PY7 (2014-15)**

**Awarded 403 Silver Certificates and 13 Gold Certificates**  
**Over 60 IHP Participating Contractors completing projects**  
**One Participating Contractor won U.S. DOE Housing Innovation Award**

**8 Active Program Providers:**

- Ameren Illinois ActOnEnergy, Ameren Illinois Warm Neighbors Cool Friends, ComEd Smart Ideas, Corn Belt Energy, Delta Weatherization Energy Efficiency Program, Energy Impact Illinois, Historic Chicago Bungalow Association, Nicor Gas energySMART

**Building Science Training Series fully planned, expecting at least 150 students this year**

**Awarded 30 BPI certification rebates**

**Maintaining active Building Science Hotline (866-395-1032)**

**Recognized with 2014 Illinois Governor's Sustainability Award**



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





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