



DCEO **ILLINOIS ENERGY NOW**

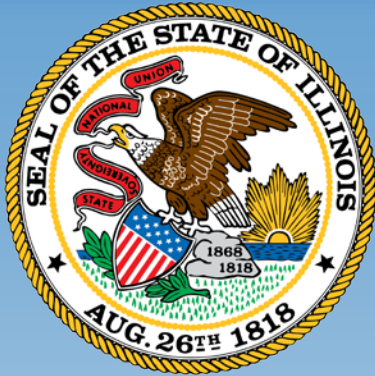
ILLINOIS ENERGY NOW PY7 3RD QUARTER REPORT

DCEO Office of Energy & Recycling

Presented at Stakeholder Advisory Group Meeting| May 11, 2015



PROGRAM PARTNERS



Illinois
Department of Commerce
& Economic Opportunity



Illinois Energy Now | 1-800-214-7954 | www.ILEnergynow.org

ILLINOIS ENERGY NOW GOALS & BUDGETS FOR 2014-2015

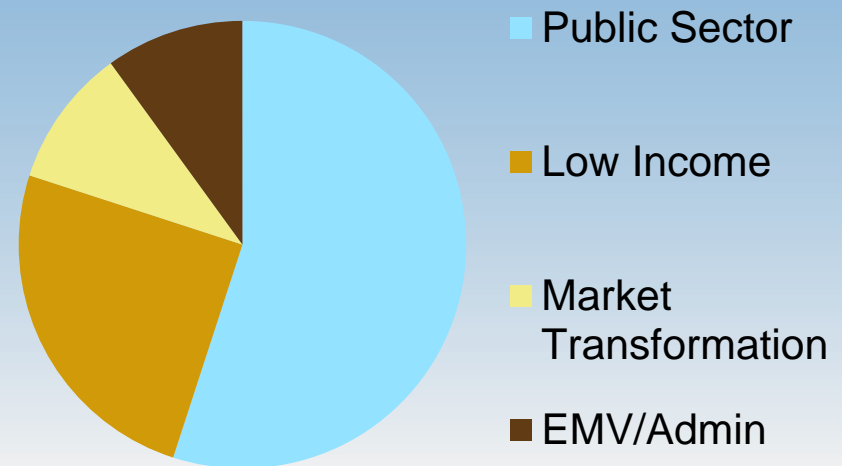
Energy savings goals:

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

Program budgets:

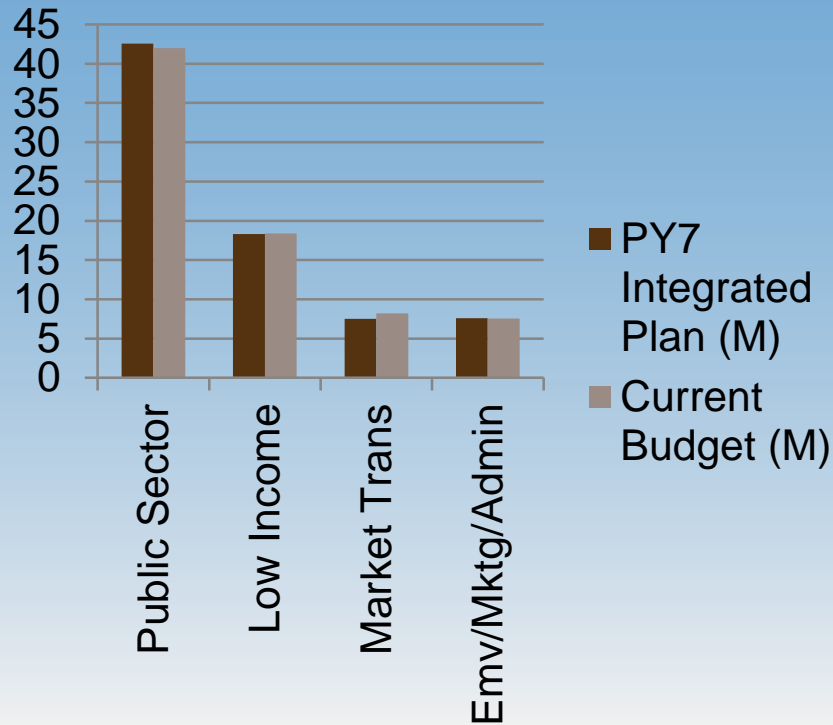
- ⦿ Electricity: \$54.1 M
- ⦿ Natural gas: \$22.0 M

PY7 Budget

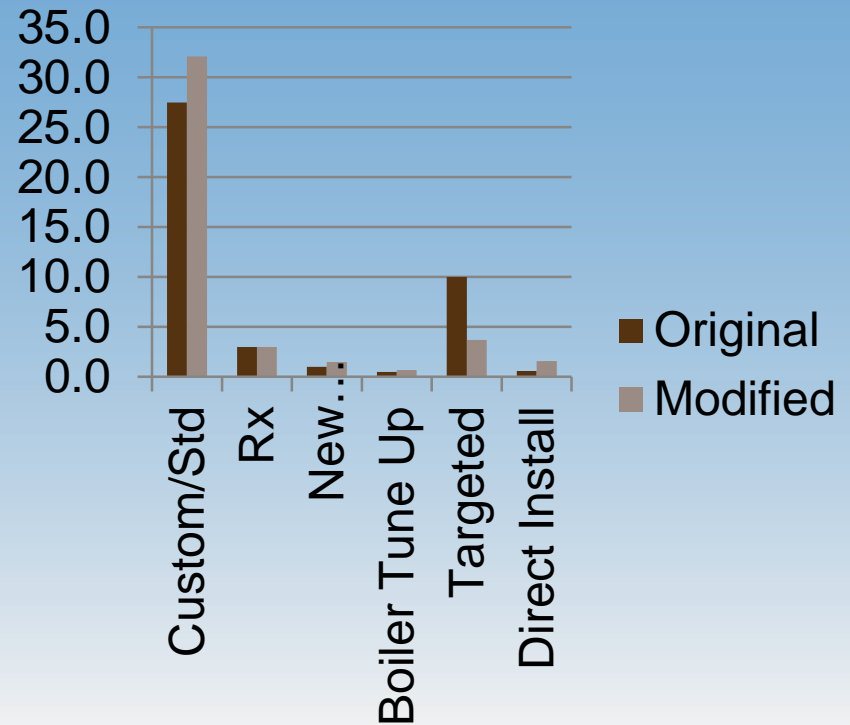


PUBLIC SECTOR BUDGET CHANGES

EEPS BUDGET



PS MODIFIED BUDGET



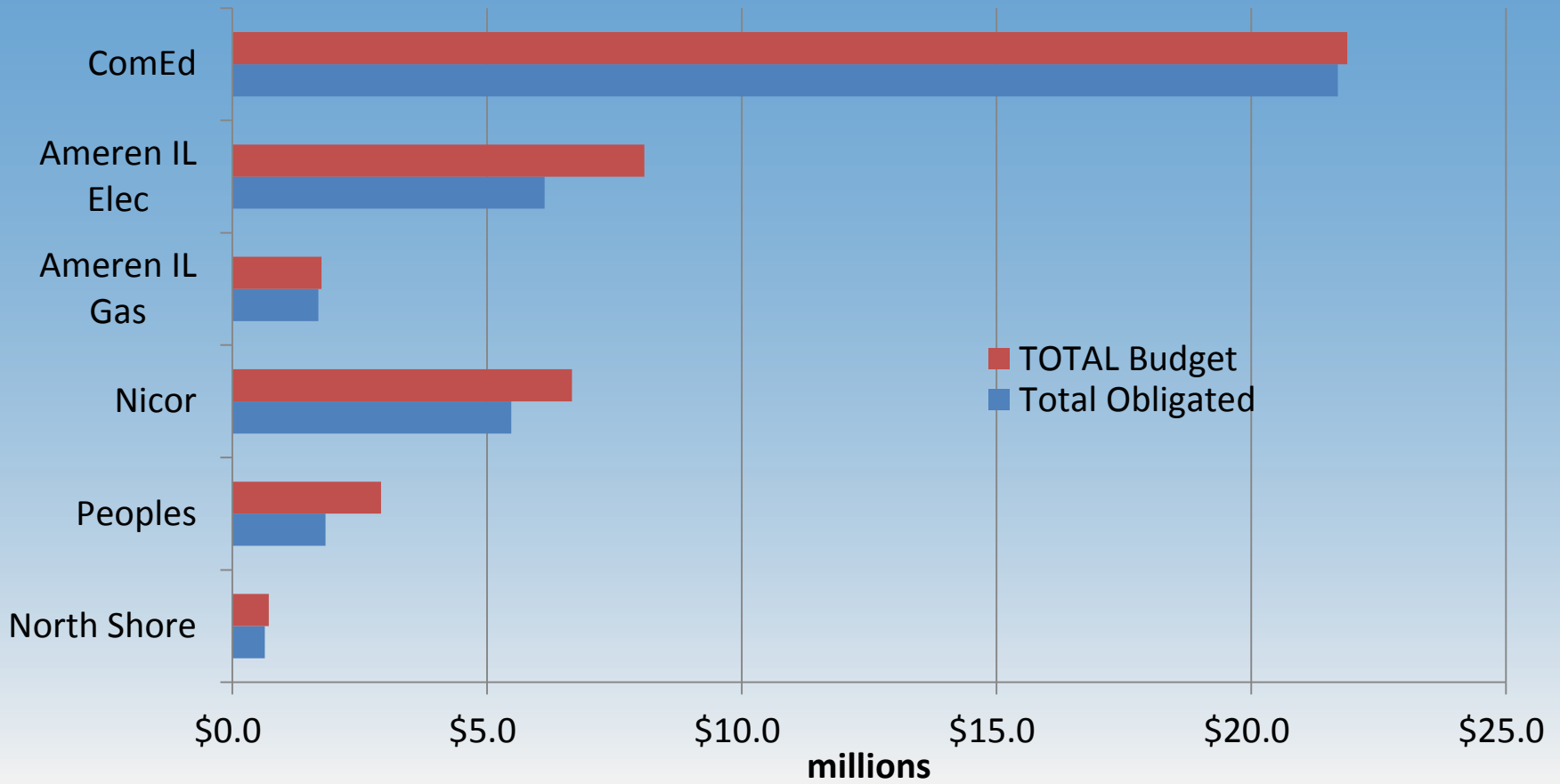
ILLINOIS ENERGY NOW PUBLIC SECTOR UPDATE

Standard, Custom, and New Construction Rebates 3rd Quarter Issues:

- At the beginning of December, a waitlist was started for ComEd and Ameren Gas projects due to over demand.
- In January funds were frozen, and a hold was placed on processing grants and rebates that were not yet obligated.
- As of 2/28 rebates or grants that were not already in-progress were not approved; \$2.2M in Public Sector rebate applications have been frozen to date.
- Executed grants, and rebates with a notice to proceed or rebate letter were allowed to move forward in March.
- Attempts are still being made to obtain approval for grants and final rebates: \$650k CHP, \$449k Clean Water, \$764k New Construction, \$506k Public Sector rebates.



PUBLIC SECTOR PROGRAMS BY UTILITY TERRITORY

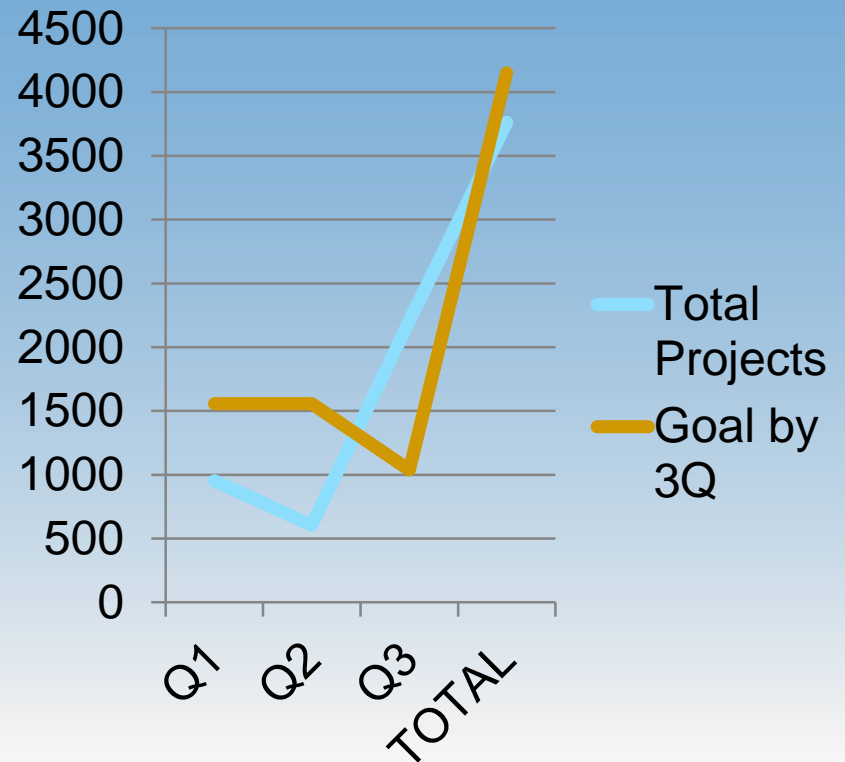
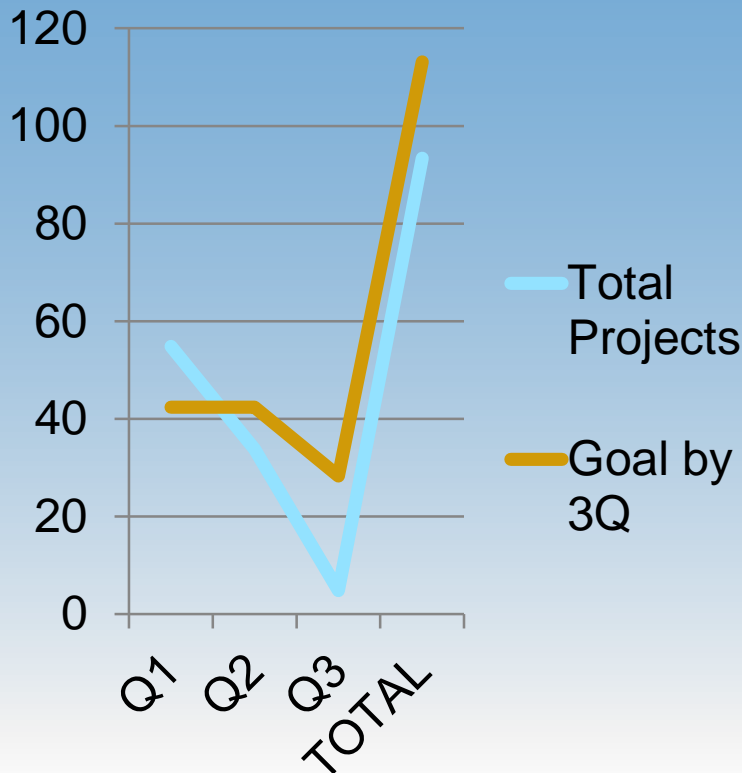


PUBLIC SECTOR REBATES ENERGY SAVINGS

Electric kWh (millions)

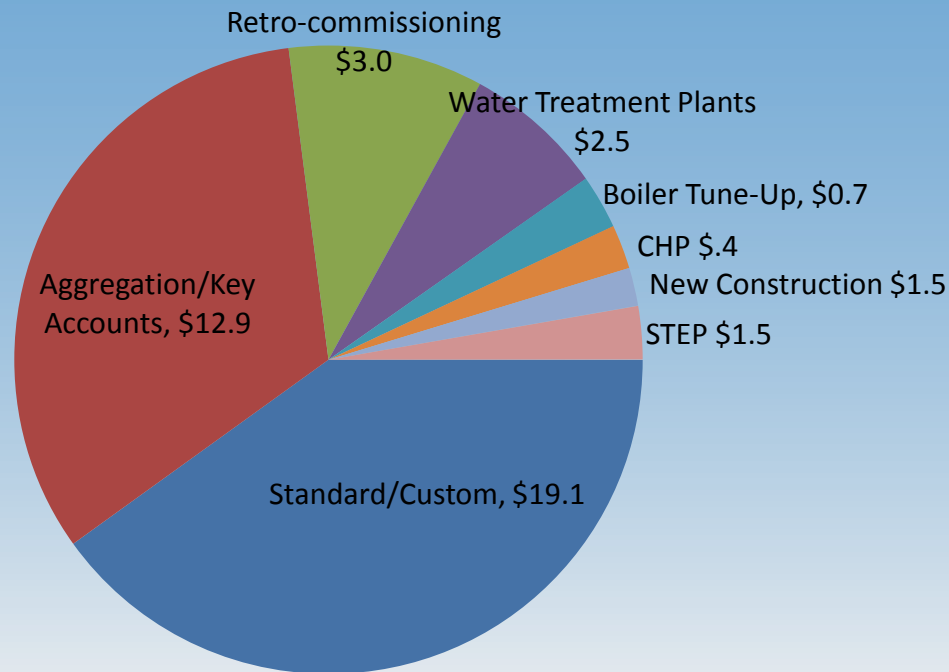
Natural Gas Therms (1000s)

ComEd



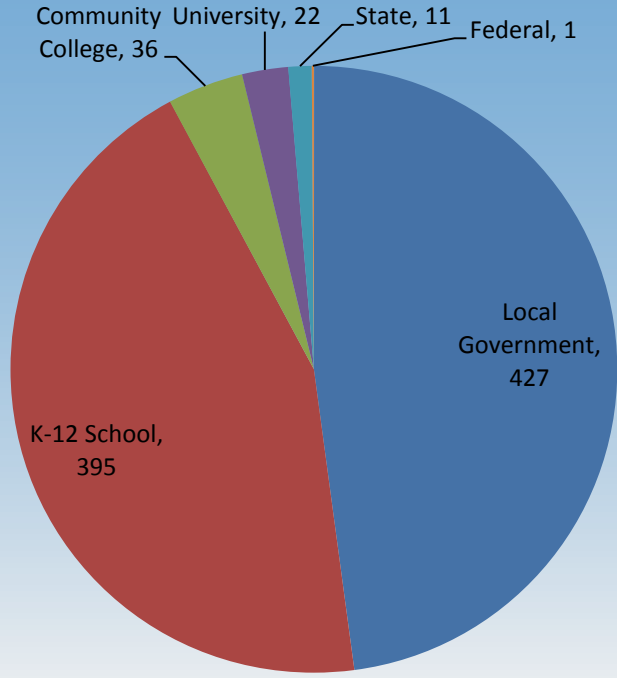
PUBLIC SECTOR PROGRAMS

All projects by 2/28 (\$ millions)

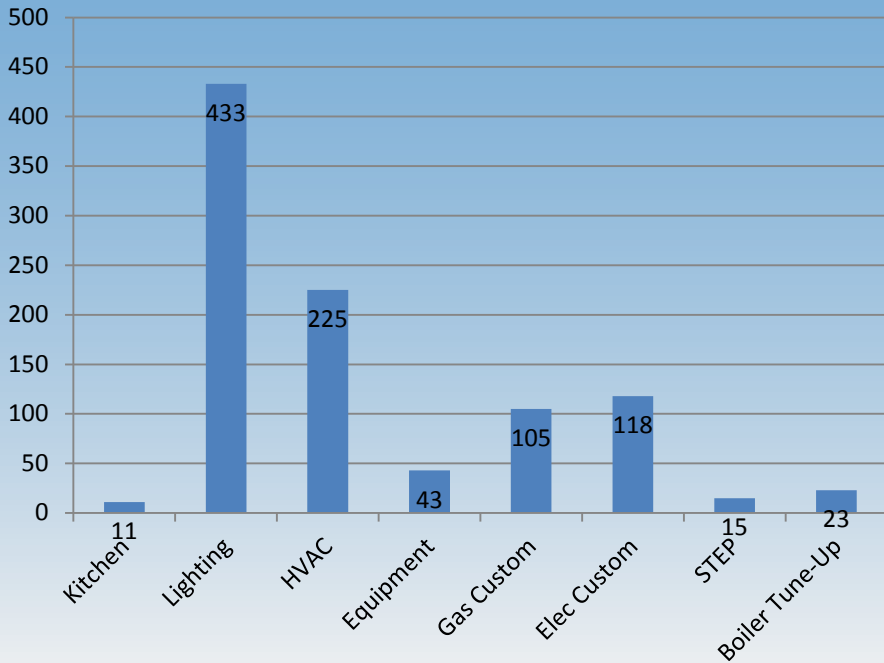


NUMBER OF PUBLIC SECTOR PROJECTS

BY GOVERNMENTAL TYPE



BY MEASURE TYPE



NEW CONSTRUCTION PROGRAM

- 22 buildings were reviewed by SEDAC for funding in PY7
- 11 buildings are expected to be completed in PY7, with the remainder in PY8/PY9
- This program was affected heavily by the freeze do to the delay in completing - \$764k in incentives are still pending funding approval



RETRO-COMMISSIONING

- \$2.5 million budget
- Project savings – \$1.5 million annual cost savings, 13.8 million kWh, 950,000 therms
- Planning/audit stage – 30 projects
- Verification stage – 34 projects
- Mini-RCx projects – 5
- 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
- 12 projects in progress or complete; 1 pending funding
- Estimated energy savings of 8.7 million kWh



COMBINED HEAT AND POWER (CHP) PILOT PROGRAM

- 7 projects recommended for funding (\$6.4M) from 17 applications; \$14M requested; three year grants.
- Annual savings 100,079,600 kWh electric, 1,892,399 Therms; representing 36.7% of PS electric savings goal for PY7-PY9, and 26.5% of natural gas savings.
- PY8/FY16 budget issues forced a one year funding plan.

Accepted 1 st Year Funding Only	Rejected 1 st Year Funding Only	2 nd Year Funding Pending Approval
Chicago O'Hare Danville WWT Downers Grove WWT Glenbard WWT Total \$286k	College of DuPage West Niles High School Total \$125k	Argonne National Lab Total \$650k



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

Funded: \$11.5 million
 Additional Projects thru PS: \$2 million
 Additional Demand: \$5 million
 Interest: City of Chicago had \$65M lighting project



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

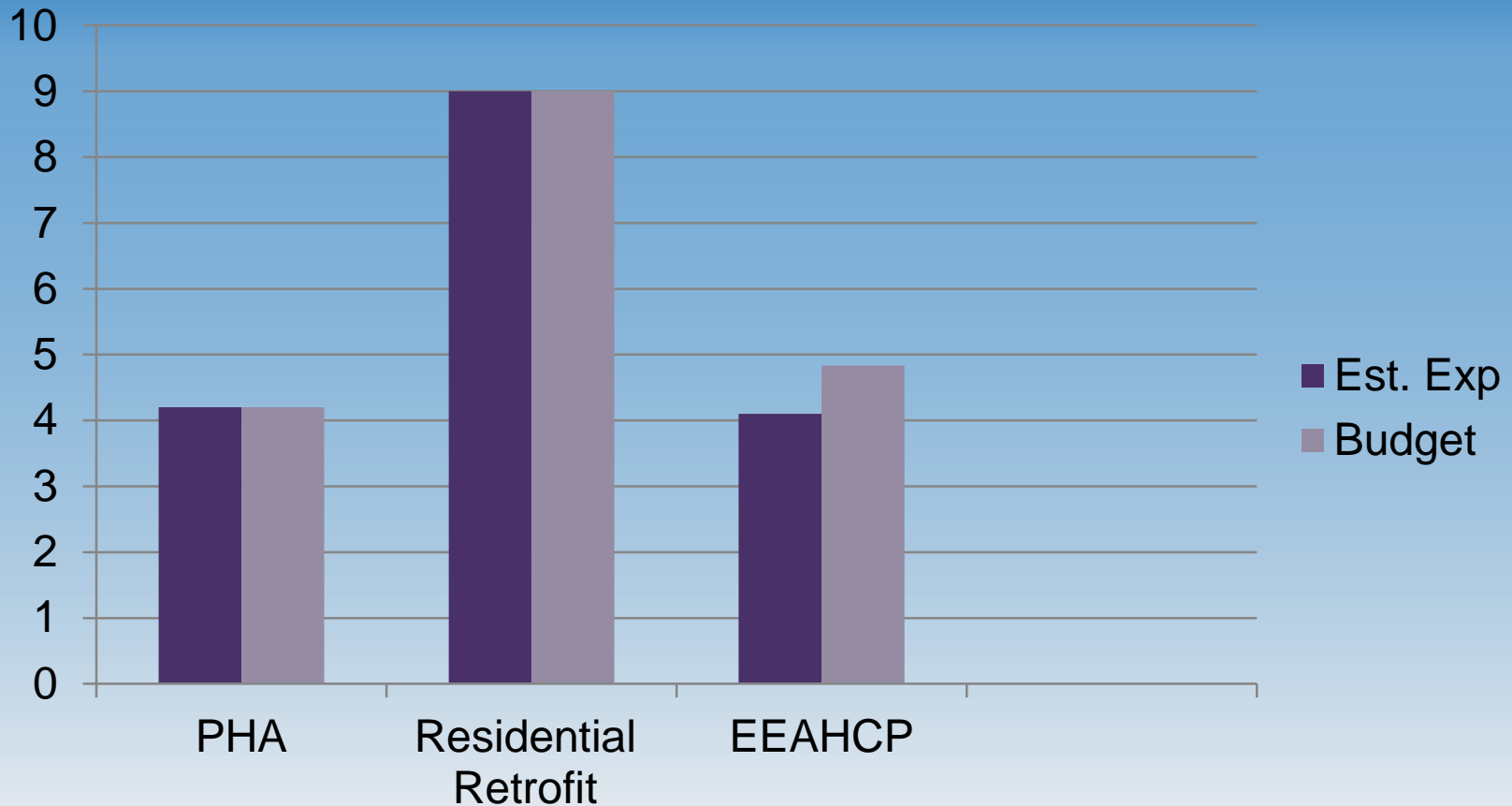
- Engineer leads facility walkthrough
- Facility installs the free products and submits verification
- MEEA connect facilities to additional rebates, programs and educational opportunities.



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



LOW INCOME PROGRAMS



Affordable Housing was fully planned by 2/28; currently has \$590k projects still pending approval.

PUBLIC HOUSING AUTHORITY EFFICIENT LIVING PROGRAM

- \$4 million original budget; additional \$206k awarded for boiler.
- Projected Savings:

PY7 Projected	Total	Ameren Electric	Ameren Gas	ComEd Electric	NICOR Gas	Peoples Gas	No Shore Gas
PHAs	19	10	5	10	4	1	1
Sites	79	22	7	42	5	12	2
Units	7,083	913	309	3,845	401	2,179	149
ECRMs	8,918	2,967	314	5,211	39	238	149
kWh Savings	2,444,657	680,287	0	1,751,366	0	8,100	6,035
Therm Savings	107,770	0	31,501	2,925	59,209	0	0



RESIDENTIAL RETROFIT

- Awarded - \$9.5 million: \$3,058,726 electric, \$1,240,694 gas; \$4.5M LIHEAP Home Weatherization Assistance
- Funded 8 projects for direct install of efficiency measures in existing low income households:
 - Energy Savers Multi-family Program (Elevate Energy)
 - Affordable Housing Continuum
 - Black United Fund of Illinois, Inc.
 - City of Springfield
 - Hispanic Housing Development Corporation
 - Historic Chicago Bungalow Association
 - Neumann Family Services
 - Residential Options, Inc.
- Savings information is delayed due to delay in grant starts.



ENERGY EFFICIENT AFFORDABLE HOUSING CONSTRUCTION PROGRAM

- \$4.8 million program; PY7 \$3 million in-progress, with \$1.5 million in potential additional projects; PY6 carryover \$1.1 million

Savings Estimate

Housing Type	Units	Annual Savings	kWh Savings	Therm Savings	Total MMbtu
New Multi-family	1,002	\$458,755	2,744,478	110,220	40,285
New Single Family	93	\$74,291	281,883	25,668	5,572
Gut Rehab Multi-family	396	\$180,011	1,016,136	42,768	15,111
TOTAL	1,491	\$713,057	4,042,497	178,656	60,969



MARKET TRANSFORMATION PROGRAMS

Smart Design Assistance Center

Building Industry Training and Education (BITE)

Illinois Home Performance with ENERGY STAR

Building Operator Certification (BOC)

Energy Efficiency Building Codes Training

Lights For Learning

Data Center

These programs were not affected by the freeze.



SMART DESIGN ASSISTANCE CENTER

- Energy assessments completed: 151; 14.2 m sf
- Energy assessments in progress: 131; 29 m sf
- Potential savings: 38.7 million kWh, 1.3 million therms; \$4.1 million

Training and Presentations:

- 8 workshops, 30 presentations/trainings, 19 conferences/outreach, 12 marketing materials produced (newsletters, market fact sheets)



BUILDING INDUSTRY TRAINING & EDUCATION (BITE) PROGRAM

- BITE Grants - \$3.6 million awarded
- Approved 9 projects/programs, including:
 - Energy Efficiency Building Codes Training - \$457k
 - Building Operator Certification - \$315k
 - Illinois Home Performance - \$500k
 - Lights for Learning - \$448k
 - Trade Ally Program - \$980k
 - Application Assistance – Public Sector & Low Income - \$310k
 - Community College Energy Management - \$413k
 - Stakeholder Advisory Group Administration - \$200k





ILLINOIS HOME PERFORMANCE WITH ENERGY STAR®

PY7 (2014-15)

Awarded Silver and Gold Certificates to 1,450 homes

Over 60 IHP Participating Contractors completing projects

One 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 117 of 150 trained; 78%

Awarded 30 BPI certification rebates

2014 Illinois Governor's Sustainability Award

Building Science Hotline (866-395-1032)



www.IllinoisHomePerformance.org

BUILDING OPERATOR CERTIFICATION

Training Hours: 8,832

Workers Trained: 122

kWh Reduced: 22,082,000

Therms Reduced: 67,954



ENERGY EFFICIENCY BUILDING CODES TRAINING

Training Hours Provided:

3,054 / 5,500 61% of target

Workers Trained:

558 / 1,000 55.8% of target

Tech Support: 253 inquiries

Chicago Support: 47 hours

IL Energy Conservation Advisory Council: 55 hours





LIGHTS FOR LEARNING®

K-12 education and fundraising program for Illinois youth.

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
Educational Hours Presented	4,027
kWh Reduced (Annual Gross)	5,478 kWh

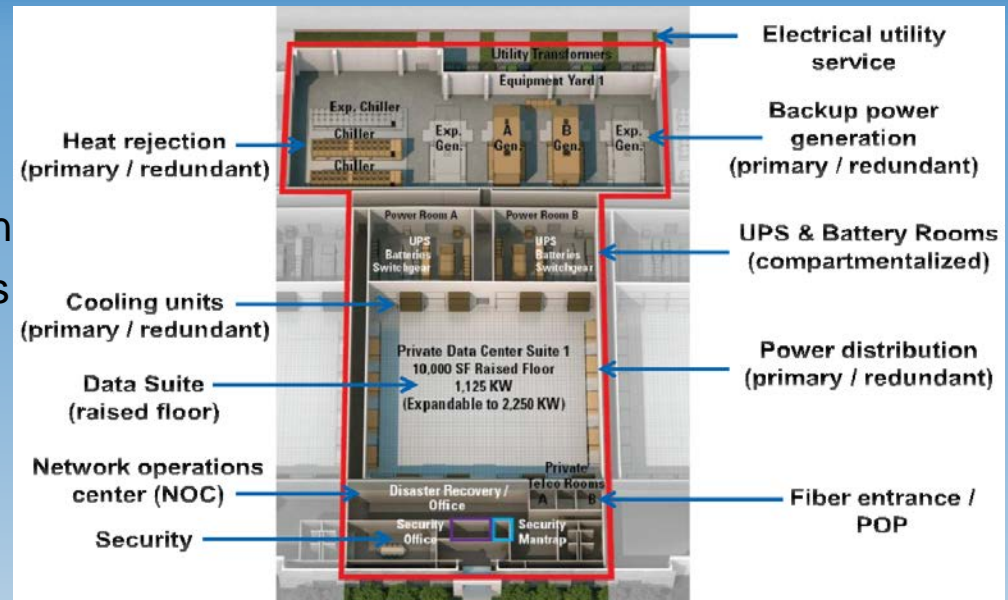


DATA CENTER PROGRAM

PY7: Data Center Assessments in ComEd Territory

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

Data Center Energy Study		
Facilities	Argonne National Lab Bldg 221	Hines V.A. Hospital Information Technology Center
kWh Potential Identified	1.6 million kWh	3.3 million kWh





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