

**Act**OnEnergy™

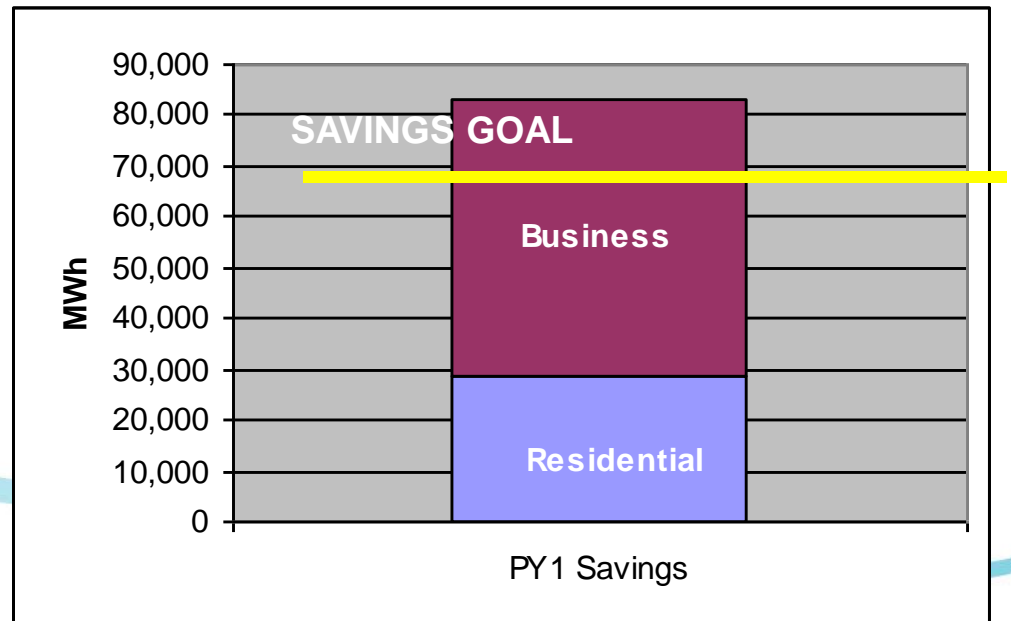
Program Year 1: Recap  
Program Year 2: Preview



# Program Year 1 - Overall

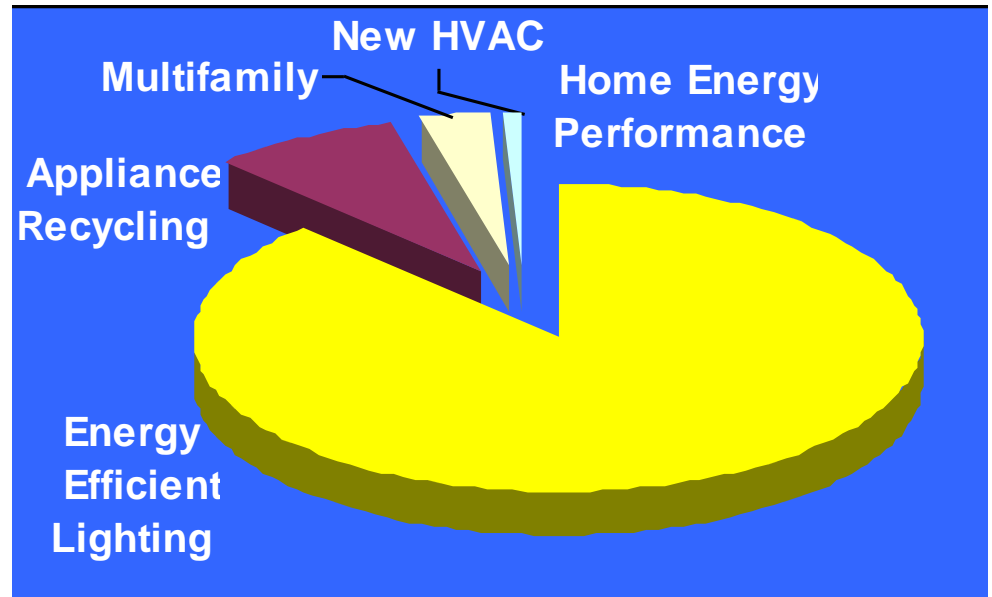
- Anticipate exceeding savings goals by 32%
- All data throughout presentation is current through June 16, 2009

OVERALL EE/DR PORTFOLIO			
Indicator	Actual PYTD	Goal PY08	% Achieved PY08
<b>ENERGY SAVINGS (MWH)</b>			
Actual	54,290	-	-
Pending	28,978	-	-
Total	83,268	63,068	132%
<b>AIU TOTAL INCENTIVE BUDGET</b>			
Actual	2,864,377	-	-
Pending	1,580,720	-	-
Total	4,445,097	4,052,414	110%



# Program Year 1 - Residential

- *Lighting represents majority of savings*



Residential Portfolio Energy Savings	Net MWh PY1	Net MWh Goal PY1	% Achieved	% Portfolio
Energy Efficient Lighting*	25,259	13,402	188.47%	88%
Appliance Recycling	2,327	2,337	99.57%	8%
Multifamily	902	762	118.37%	3%
Home Energy Performance	245	598	40.97%	1%
New HVAC	2	-	-	0%
<b>Overall Portfolio Total</b>	<b>28,735</b>	<b>17,099</b>	<b>168.05%</b>	<b>100%</b>
<i>*Includes 1,797 pending savings as of June 16, 2009</i>				

Data is current through June 16, 2009

# PY1- Residential Portfolio



## *Energy Efficient Lighting*

- Discounted ENERGY STAR® qualified CFL bulbs are distributed through retail stores and via an online store.

✓ **833,883 bulbs sold**

## *Home Energy Performance*

- Home Energy Performance entails two programs; a \$25 home energy audit and the installation of home energy improvement measures. During the course of the audit, the auditor installs a limited amount of pipe insulation, compact fluorescent lamps (CFLs), high performance shower heads and faucet aerators. Separately, any homeowner can receive incentives towards the installation of attic and wall insulation (\$580 to \$1,570), air and duct sealing (\$150 to \$430), and a programmable thermostat (\$25),

✓ **771 audits performed**

## *Refrigerator/Freezer Recycling*

- A \$35 incentive is provided for the free removal and recycling of a working secondary fridge or freezer, manufactured before 1993, located in the garage or basement. The program also removes any working room air conditioners at the time of the other appliance removal (no additional incentive provided).

✓ **3,848 units picked up**



# PY1- Residential Portfolio



## *Multifamily*

- Apartment buildings that are three units or larger, and entails two programs; in-apartment unit measures and common area lighting. The in-apartment program offers free limited quantities of high-performance shower heads, faucet aerators, CFL bulbs for high use lighting areas, and pipe insulation for water lines near the water heater. The common area lighting program provides incentives replacements or retrofits of inefficient common area lighting fixtures and bulbs

✓ **859 units**

## *Heating and Cooling Equipment*

- Incentives for heating and cooling equipment that are new and upgraded with properly sized new equipment; high efficient AC units, ground source heat pumps and natural gas furnaces.

✓ **58 units**

## *ENERGY STAR New Homes*

- The ENERGY STAR New Homes Program assists homeowners and builders in the construction of new homes with: Construction and equipment recommendations prior to building, monetary incentives for builders, an energy-efficiency inspection after construction to ensure ENERGY STAR standards are met.

✓ **None enrolled in PY1 ; launched in January; housing downturn**

# PY1- Residential Portfolio; Helpful Tools & Website Enhancements



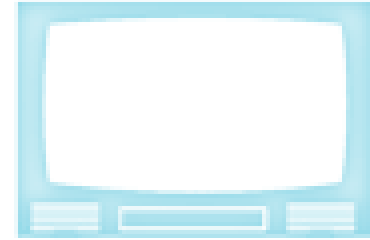
## [Energy House](#)

*Find out how you can SAVE by changing habits or upgrading your home. [Click here](#) to view changes you can make around your house to save energy, money and the environment.*



## [Act On Energy Checklist](#)

*Are you doing everything you can to conserve energy? Print the handy energy-efficiency checklist for your home to determine how you can conserve more and save on your next energy bill. [Click here](#) to open.*

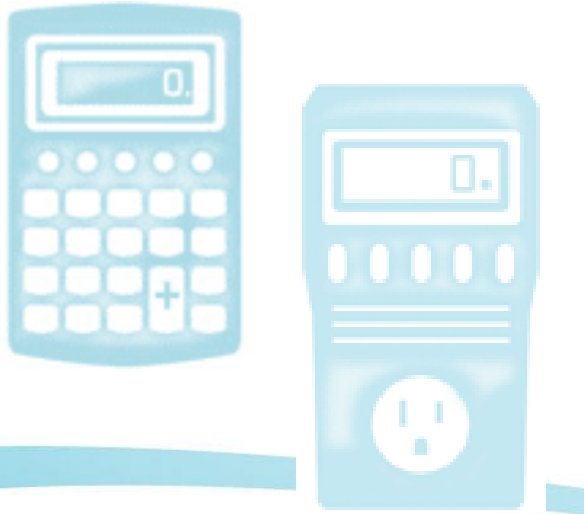


## [Act On Energy Videos](#)

*Link to videos of energy-efficiency tips, storm restoration, how energy gets to your house, and safety around electricity and natural gas. [Click here](#) to watch.*

# PY1- Residential Portfolio; Helpful Tools & Website Enhancements

## Energy-saving Resources



### Tools to Help You Use Less and Spend Less

#### Energy Savings Toolkit

**Get a breakdown of your actual energy use.**

*Customized charts and information categorize your usage, show a detailed history, compare your usage with others, and more! To learn more, [click here](#).*

#### Energy Savings Calculator

**Calculate the difference energy efficiency improvements can make.**

*Choose from 10 different categories to calculate savings related to lighting, appliances, or heating and cooling equipment/system measures.*

#### Watt Solutions

**Test each appliance in your home, then see how much energy it uses with an easy-to-use device.**

*This device is available for check-out at your library and helps you know where you can cut your home usage.*

*[Click here](#) to learn more.*

**ActOnEnergy.com**

Data is current through June 16, 2009

# PY1- Residential: Lessons Learned

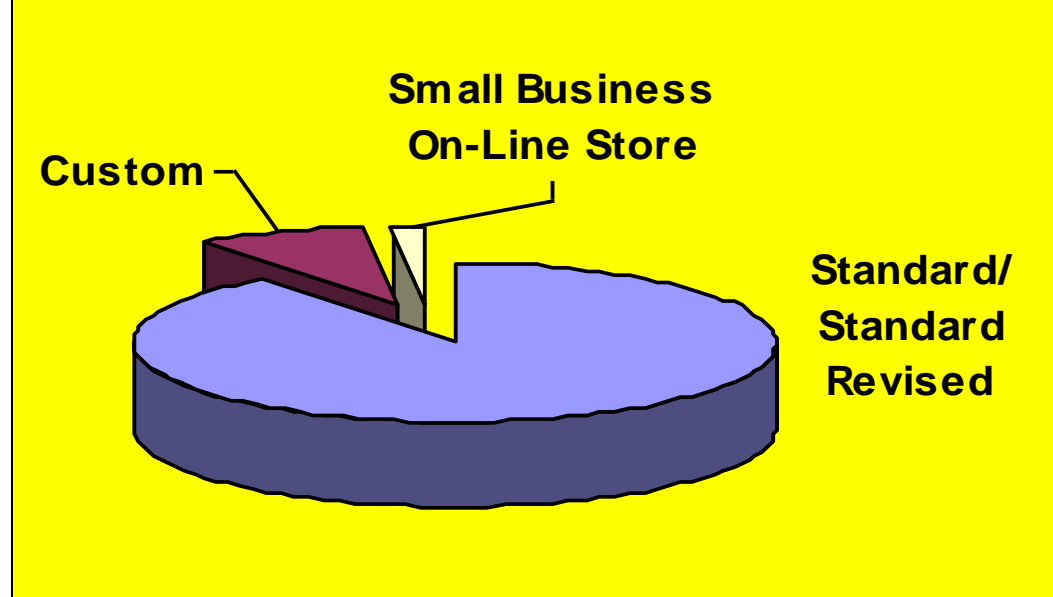
- **Geography** – 44,000 thousand square mile service territory is challenging given the relatively small program goals in PY1 and PY2;
- **Geography** – Overlay of cooperatives in rural areas creates hurdles and complexity for implementation (esp. retail lighting)
- **Portfolio with multiple small programs** – spreads available staffing resources very thin particularly in light of previous two points – limits broad marketing of some programs as there are not the program resources to serve them, particularly given the geographic territory
- **Lack of certified contractors and existing contractor infrastructure** – most acute in the home performance area where few contractors have blower doors much less have had any training using one, or in testing for combustion safety issues == developing such an infrastructure given the previous point means the ramp up will be extended





# PY1- Business

- *Standard represents majority of savings*
- *Ended Standard program early due to budgetary constraints; Standard projects applied under Custom projects with generally lower incentives*
- *Stopped accepting PY1 applications March 31, 2009*



Business Portfolio Energy Savings	Net MWh PY1	Net MWh Goal PY1	% Achieved	% Portfolio
Standard	38,358	35,276	109%	70%
Custom	13,924	10,066	138%	26%
Retrocommissioning	1,824	513	356%	3%
Store	427	NA	NA	1%
<b>Overall Portfolio Total</b>	<b>54,533</b>	<b>45,902</b>	<b>119%</b>	<b>100%</b>

*\*Includes 27,181 pending project savings*

# PY1 – Business Portfolio



## *Standard and Custom:*

- *\$200,000 limit per company,  
\$100,000 per project*

## *Standard*

- *Lighting*
- *Refrigeration*
- *Motor System*
- *HVAC*



## *Other Electric Programs:*

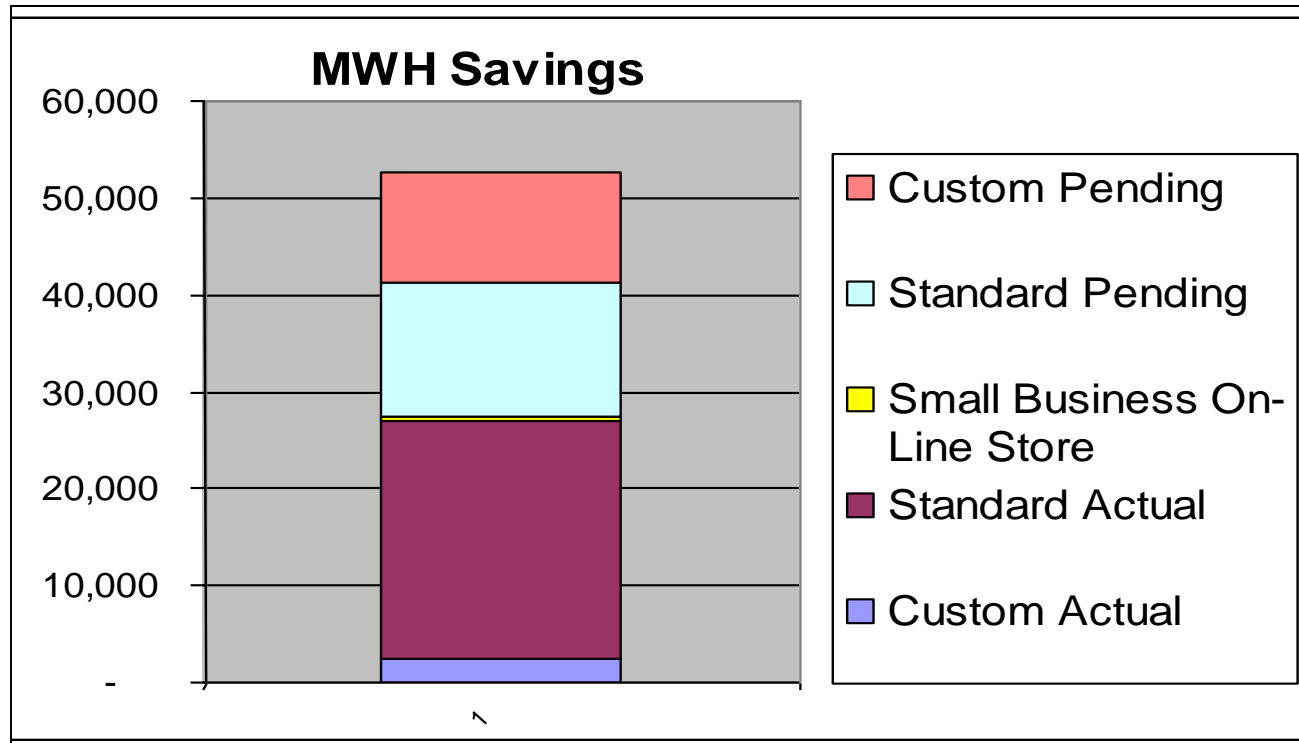
- *Custom*
- *Small Business Online Lighting Store*
- *Retro Commissioning*

**ActOnEnergy.com**

Data is current through June 16, 2009

# PY1 - Standard Program/Custom Program

- *PY1 Goal : 45,342 MWh*
- *Actual (Paid Out) + Pending Savings: 52,709 MWh*
- **116% of goal**
- *\$1,757,212 in incentives paid out*
- *\$1,498,631 in incentives in progress*



*Small Business On-Line Store included*



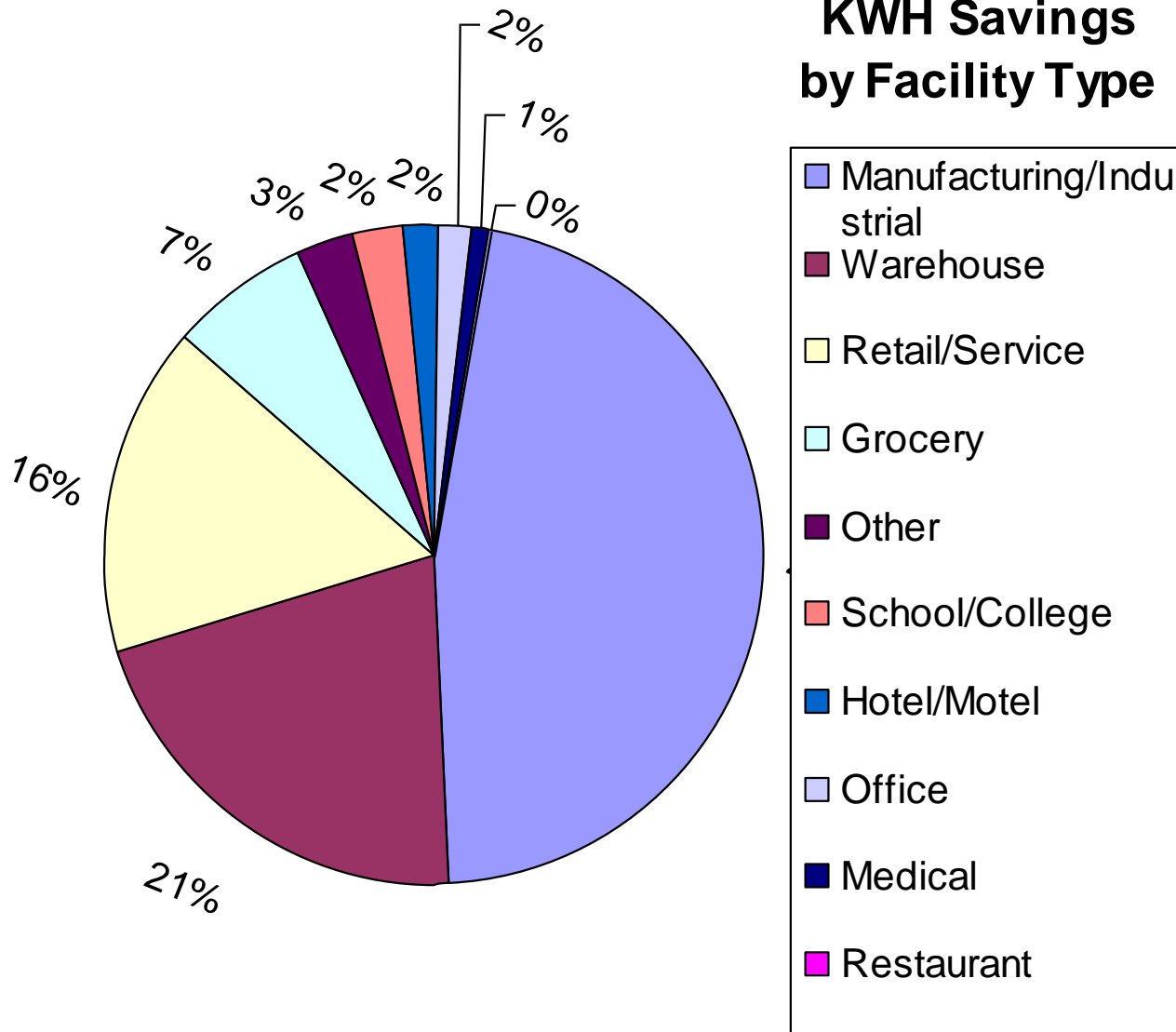
**ActOnEnergy.com**

Data is current through June 16, 2009

# PY1 - Standard Program/Custom Program

•The leading market segments – Manufacturing/Industrial, Warehouse, Retail/Service, and Grocery

•These 4 segments make up 90% of achieved energy savings to date



# PY1 - Standard Program/Custom Program

- 68% of kWh obtained from lighting projects
- 27% of kWh from Custom projects

## ***Completed Projects By Project Type***

<b>Project Type</b>	<b># of Projects</b>	<b>\$ Incentive</b>	<b>kWh Saved</b>
Standard Lighting	186	\$2,138,817	47,663,050
Custom	68	\$810,707	18,686,776
Standard Refrigeration	45	\$228,981	2,555,070
Standard HVAC	7	\$28,218	554,131
Small Business HVAC	16	\$8,077	231,353
Standard Motor	3	\$5,133	119,586

## PY2: Business – Other Programs



### *Retro-Commissioning*

- 1 Pilot customer for PY1 (Continental Tire)
- PY1 Goal – 513 MWH
- MWH achieved – 1,824 MWH – 350% over goal
- Only 19% of incentive budget spent



### *Small Business On-line Store*

- Over 3,000 units
- CFLs, motion sensor switches, and LED exit signs
- ordered and shipped from the Online Store
- through 5/31/2009



# PY1- Business: Lessons Learned

- Portfolio initially under funded (to achieve goals and match ComEd incentive levels)
- Budget and savings goals based on annual deadlines impedes program momentum
- Much of savings not realized until end of program year; creates an ongoing “unknown” in regards to achieved savings
- Program seasonality must be considered for timing program launch (Gas, DR)
- Frequent interaction with Customers and Program Allies is required to maintain program awareness
- U.S. and local economy directly impacts program participation
- Lack of experience/awareness of EE programs for many IL businesses
- Much more difficult to enroll the smaller business customer base
- Size of the AIU territory presents significant challenges

# Portfolio Goals and Budget

Electric EE Portfolio	Total Annual MWH		
	<u>2008 Actual</u>	<u>2009</u>	<u>2010</u>
Total Residential	28,286	42,406	76,458
Total Business	55,745	83,857	115,395
Total Portfolio	84,031	126,273	190,853
Plan Budget	\$10,402,128	\$20,662,955	\$31,803,964
Gas EE Portfolio	Total Annual Therms		
	<u>2008 Actual</u>	<u>2009</u>	<u>2010</u>
Total Residential	70,125	1,271,430	1,833,205
Total Business	12,371	550,941	977,259
Total Portfolio	86,150	1,822,371	2,810,464
Plan Budget	\$990,371	\$3,900,000	\$5,500,000





## Electric and Gas 2009-2010 Energy Efficiency Portfolio Summary

### RESIDENTIAL PORTFOLIO:



- Demand Response
- Energy Efficient Lighting
- ENERGY STAR® New Homes
- ENERGY STAR® Product Rebates
- Heating and Cooling Equipment
- Home Energy Performance
- Low Income Gas
- Multifamily
- Refrigerator/Freezer Recycling

**Low Income, Municipal, Public School Electric Energy Efficiency**  
(Coordinated by DCEO)



### BUSINESS PORTFOLIO:



- New Construction
- Retro-Commissioning
- Custom Business
- Standard Business:
  - Standard Lighting
  - Standard HVAC
  - Standard Refrigeration
  - Standard Motors
- Small Business – Electric:
  - HVAC Tune-Up
  - Demand Response
  - On-Line Store
- Small Business – Gas:
  - HVAC Tune-Up/Replacement
  - Commercial Kitchens

 = Indicates New PY2 Program

## Ameren Illinois Electric and Gas 2009-2010 Energy Efficiency Portfolio Summary

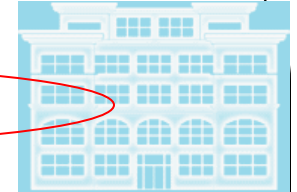
### RESIDENTIAL PORTFOLIO:



- Demand Response
- Energy Efficient Lighting
- ENERGY STAR® New Homes
- ENERGY STAR® Product Rebates
- Heating and Cooling Equipment
- Home Energy Performance
- Low Income Gas
- Multifamily
- Refrigerator/Freezer Recycling

**Low Income, Municipal, Public School Electric Energy Efficiency**  
(Coordinated by DCEO)

### BUSINESS PORTFOLIO:



- New Construction
- Retro-Commissioning
- Custom Business
- Standard Business:
  - Standard Lighting
  - Standard HVAC
  - Standard Refrigeration
  - Standard Motors
- Small Business – Electric:
  - HVAC Tune-Up
  - Demand Response
  - On-Line Store
- Small Business – Gas:
  - HVAC Tune-Up/Replacement
  - Commercial Kitchens