

Ameren Illinois Quarterly Report to SAG

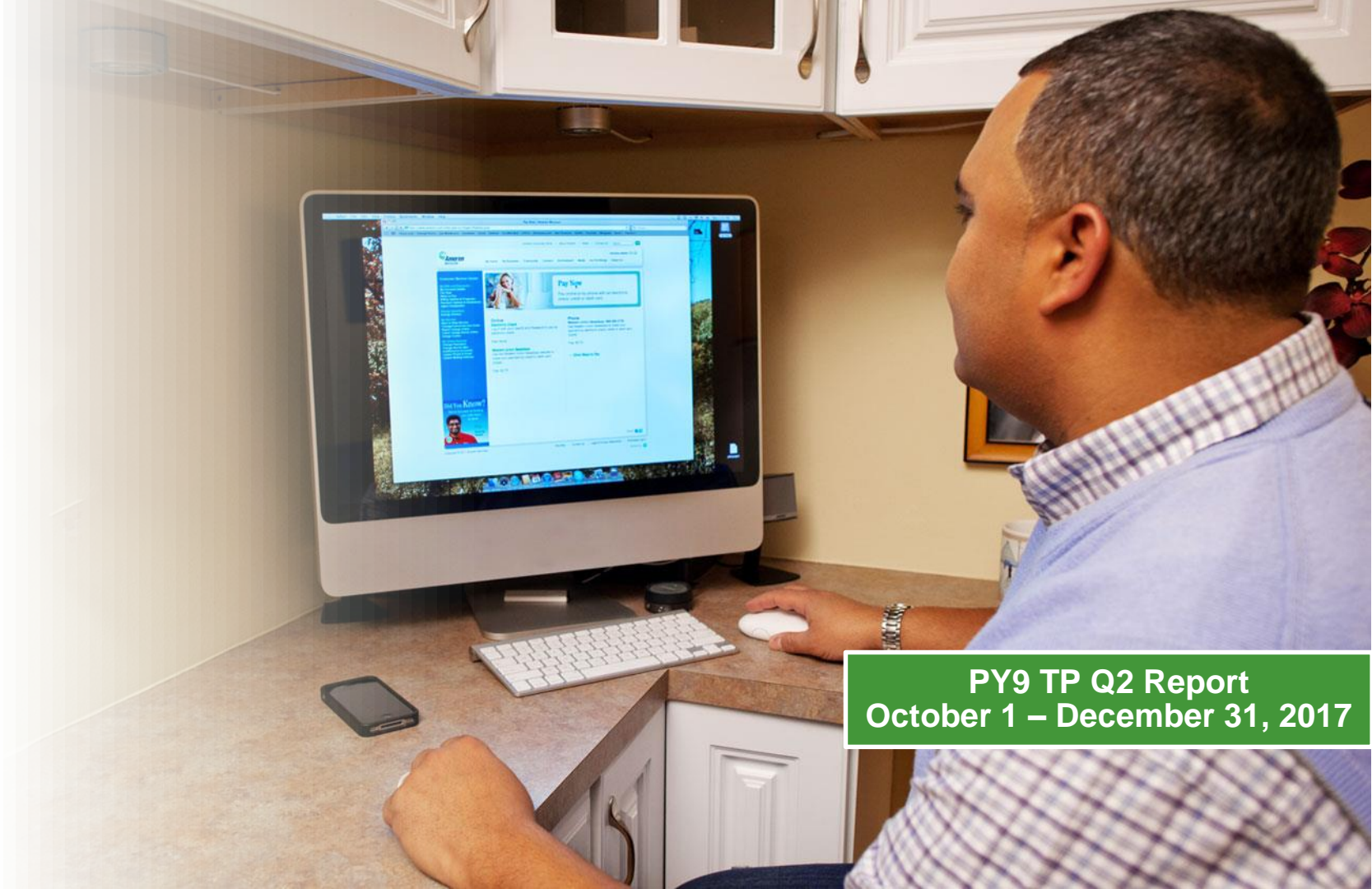
PY9 Transition Period Q2 8-103/8-104

October 1 – December 31, 2017

Results and Highlights

03.29.18





**PY9 TP Q2 Report
October 1 – December 31, 2017**

8-103/8-104: PY9 Transition Period Adjusted Goal Analysis -

Savings	Transition Period		Transition Period		Transition Period		Transition Period		Transition Period NTG and/or TRM V5.0 Adjustment Explanations *
	Compliance Goal (MWHs)	Compliance Goal (Therms)	Electric Adjusted Goals (MWHs)	Gas Adjusted Goals (Therms)	Electric Variance	Gas Variance	Electric % Variance	Gas % Variance	
Energy Efficiency									There is no adjustment for transition period goals due to TRM or NTG changes. The goals were derived from the PY9 adjustable goals and had already accounted for these adjustments.
RES-Appliance Recycling									
RES-Behavior Modification									
RES-Energy Star New Homes									
RES-HPwES									
RES-HVAC									
RES-Lighting									
RES-Moderate Income									
RES-Multifamily In-Unit									
RES-School Kits									
RES PROGRAM TOTAL									
BUS-Standard									
BUS-Custom									
BUS-RCx									
BUS-Large C&I									
BUS PROGRAM TOTAL									
AMEREN ILLINOIS PROGRAM TOTAL	77,329	2,634,576	77,329	2,634,576	0	0	0%	0%	

8-103-8-104: PY9 Adjusted Goals vs PY9 TP Implementation Plan Savings

	Transition Period Electric Adjusted Goals (MWHs)	Transition Period Gas Adjusted Goals (Therms)	Transition Period Electric Implementation Plan (MWHs)	Transition Period Gas Implementation Plan (Therms)	Electric Variance	Gas Variance	Electric % Variance	Gas % Variance	Explanations or +/- 20% variance
Energy Efficiency									
RES-Appliance Recycling			0	0	0	0	0%	0%	
RES-Behavior Modification			21,900	762,400	21,900	762,400	0%	0%	
RES-Energy Star New Homes			0	0	0	0	0%	0%	
RES-HPwES			0	0	0	0	0%	0%	
RES-HVAC			1,591	111,784	1,591	111,784	0%	0%	
RES-Lighting			23,335	140,162	23,335	140,162	0%	0%	
RES-Moderate Income			1,726	253,500	1,726	253,500	0%	0%	
RES-Multifamily In-Unit			3,429	61,077	3,429	61,077	0%	0%	
RES-School Kits			242	22,754	242	22,754	0%	0%	
RES PROGRAM TOTAL			52,223	1,351,677	52,223	1,351,677	0%	0%	
BUS-Standard			16,900	993,000	16,900	993,000	0%	0%	
BUS-Custom			7,000	386,000	7,000	386,000	0%	0%	
BUS-RCx			1,500	1,000	1,500	1,000	0%	0%	
BUS-Large C&I			0	0	0	0	0%	0%	
BUS PROGRAM TOTAL			25,400	1,380,000	25,400	1,380,000	0%	0%	
AMEREN ILLINOIS PROGRAM TOTAL	77,329	2,634,576	77,623	2,731,677	294	97,101	0%	4%	

8-103/8-104: PY9 Adjusted Goals vs PY9 TP Implementation Plan - Budget

Energy Efficiency	Transition Period Electric Plan Budget	Transition Period Gas Plan Budget	Transition Period Electric Implementation Budget	Transition Period Gas Implementation Budget	Electric Variance	Gas Variance	Electric %Variance	Gas %Variance	Explanations or +/- 20% variance
RES-Appliance Recycling			\$ 15,500	\$ -	\$ 15,500	\$ -	0%	0%	
RES-Behavior Modification			\$ 618,288	\$ 864,572	\$ 618,288	\$ 864,572	0%	0%	
RES-Energy Star New Homes			\$ -		\$ -	\$ -	0%	0%	
RES-HPwES			\$ -		\$ -	\$ -	0%	0%	
RES-HVAC			\$ 1,078,981	\$ 63,535	\$ 1,078,981	\$ 63,535	0%	0%	
RES-Lighting			\$ 3,053,800	\$ 27,500	\$ 3,053,800	\$ 27,500	0%	0%	
RES-Moderate Income			\$ 5,683,192	\$ 1,670,235	\$ 5,683,192	\$ 1,670,235	0%	0%	
RES-Multifamily In-Unit			\$ 1,422,702	\$ 348,675	\$ 1,422,702	\$ 348,675	0%	0%	
RES-School Kits			\$ 105,832	\$ 41,682	\$ 105,832	\$ 41,682	0%	0%	
RES PROGRAM TOTAL			\$ 11,978,295	\$ 3,016,199	\$ 11,978,295	\$ 3,016,199	0%	0%	
BUS-Standard			\$ 4,174,023	\$ 1,919,798	\$ 4,174,023	\$ 1,919,798	0%	0%	
BUS-Custom			\$ 1,331,122	\$ 1,326,340	\$ 1,331,122	\$ 1,326,340	0%	0%	
BUS-RCx			\$ 206,388	\$ 149,051	\$ 206,388	\$ 149,051	0%	0%	
BUS-Large C&I			\$ -	\$ -	\$ -	\$ -	0%	0%	
BUSINESS PROGRAM TOTAL			\$ 5,711,533	\$ 3,395,189	\$ 5,711,533	\$ 3,395,189	0%	0%	
Ameren Illinois - Portfolio Admin costs			\$ 1,012,563	\$ 342,273	\$ 1,012,563	\$ 342,273	0%	0%	
Ameren Illinois - EM&V costs			\$ 607,538	\$ 68,455	\$ 607,538	\$ 68,455	0%	0%	
Ameren Illinois - Education			\$ 354,397	\$ 119,795	\$ 354,397	\$ 119,795	0%	0%	
Ameren Illinois - Marketing			\$ 354,397	\$ 119,795	\$ 354,397	\$ 119,795	0%	0%	
R&D Budget (Emerging Technologies)			\$ 607,538	\$ 68,455	\$ 607,538	\$ 68,455	0%	0%	
AMEREN ILLINOIS PROGRAM TOTAL	\$ 20,251,262	\$ 6,845,457	\$ 20,626,261	\$ 7,130,161	\$ 374,999	\$ 284,704	2%	4%	
LOW INCOME/PUBLIC SECTOR TOTAL	\$ 6,750,421	\$ 2,281,819	\$ 6,750,421	\$ 2,281,818	\$ (0)	\$ (1)	0%	0%	
TOTAL PORTFOLIO	\$ 27,001,683	\$ 9,127,276	\$ 27,376,682	\$ 9,411,979	\$ 374,999	\$ 284,703	1%	3%	

8-103/8-104: PY9 TP Implementation Plan vs Actual* PY9 TP Q2 Activity – Savings

	Transition Period Electric Implementation Plan (MWhs)	Transition Period Gas Implementation Plan (Therms)	Transition Period Electric Actuals* (MWhs)	Transition Period Gas Actuals* (Therms)	Electric % Complete	Gas % Complete	Explanations
Energy Efficiency							
RES-Appliance Recycling	0	0	0	0	0%	0%	
RES-Behavior Modification	21,900	762,400	22,575	1,081,748	103%	142%	Additional gas-only cohort added and colder than normal December resulted in greater savings.
RES-ENERGY STAR New Homes	0	0	0	0	0%	0%	
RES-HPwES	0	0	0	0	0%	0%	
RES-HVAC	1,591	111,784	1,499	26,803	94%	24%	Activity for smart thermostats did not materialize as expected during transition period.
RES-Lighting	23,335	140,162	26,015	101,826	111%	73%	Activity for smart thermostats did not materialize as expected during transition period.
RES-Moderate Income	1,726	253,500	2,476	432,071	143%	170%	Greater than expected participation during the transition period led to exceeding electric and gas goals.
RES-Multifamily	3,429	61,077	2,964	36,699	86%	60%	Fewer than anticipated direct install projects were completed impacting gas savings more than electric.
RES-School Kits	242	22,754	211	20,455	87%	90%	
RESIDENTIAL PROGRAM TOTAL	52,223	1,351,677	55,739	1,699,602	107%	126%	
BUS-Standard	16,900	993,000	25,130	933,031	149%	94%	Greater emphasis on Standard projects due to the shorter completion times for projects needed during the 7 month transition period.
BUS-Custom	7,000	386,000	5,480	630,667	78%	163%	For electric, the loss of 10MW Exempt Customers from participation during the transition period had a larger impact than originally anticipated. For gas, strong completion of pipeline projects during the transition period.
BUS-RCx	1,500	1,000	346	0	23%	0%	For electric and gas, due to the short timeframe associated with the transtion period, unable to complete projects within that timeframe.
BUS-Large C&I	0	0	0	0	0%	0%	
BUSINESS PROGRAM TOTAL	25,400	1,380,000	30,956	1,563,698	122%	113%	
AMEREN ILLINOIS PROGRAM TOTAL	77,623	2,731,677	86,695	3,263,300	112%	119%	
LOW INCOME/PUBLIC SECTOR TOTALS	0	0	2,473	6,854	0%	0%	

*All savings values are unevaluated

8-103/8-104: PY9 TP Implementation Plan vs Actual PY9 TP Q2 Activity - Budget

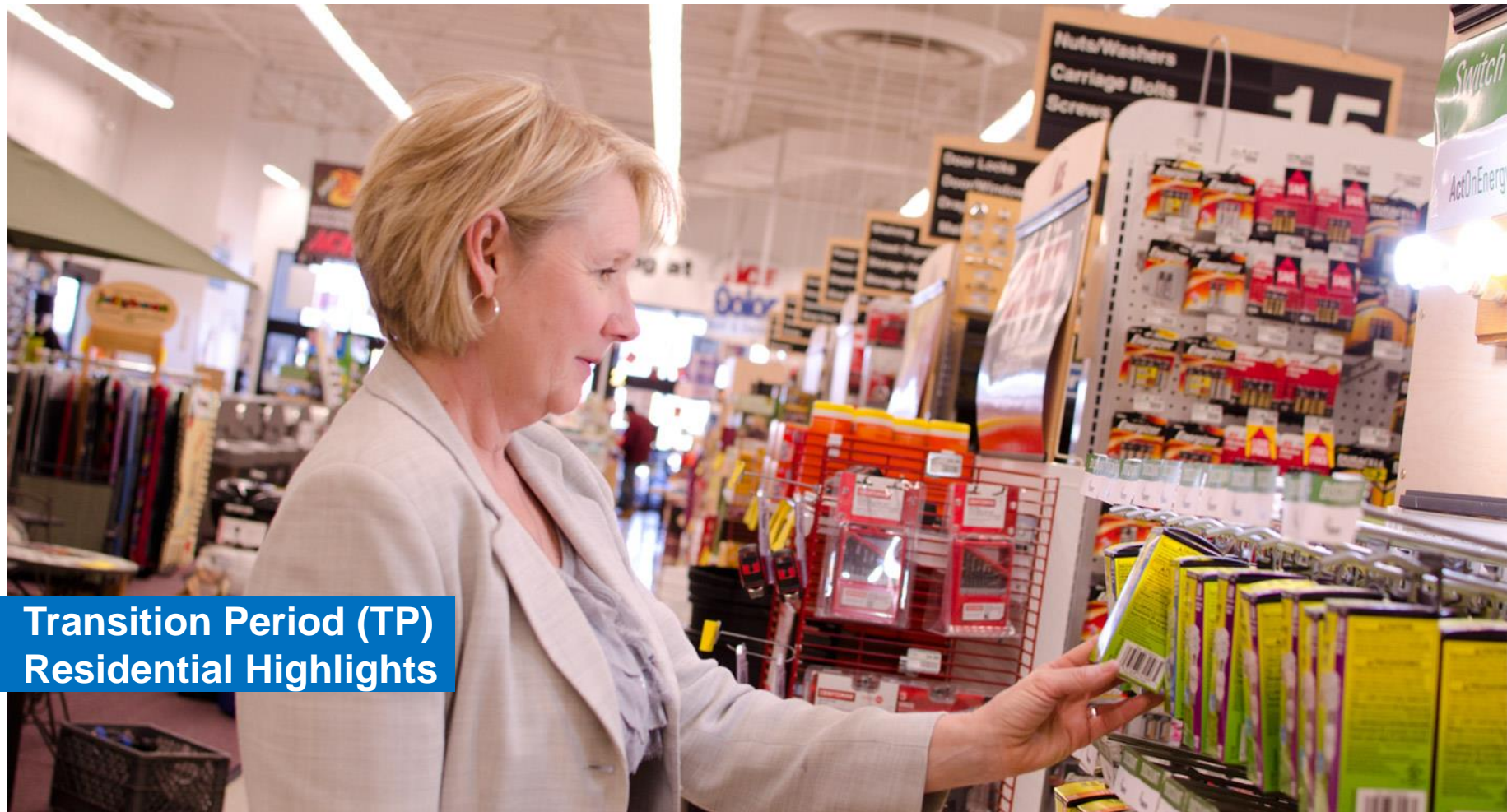
Energy Efficiency	Transition Period Electric Implementation Plan	Transition Period Gas Implementation Plan	Transition Period Electric Actuals	Transition Period Gas Actuals	Electric % Complete	Gas % Complete	Explanations
RES-Appliance Recycling	\$ 15,500	\$ -	\$ -	\$ -	0%	0%	
RES-Behavior Modification	\$ 618,288	\$ 864,572	\$ 620,026	\$ 864,562	100%	100%	
RES-ENERGY STAR New Homes	\$ -	\$ -	\$ -	\$ -	0%	0%	
RES-HPwES	\$ -	\$ -	\$ -	\$ -	0%	0%	
RES-HVAC	\$ 1,078,981	\$ 63,535	\$ 924,628	\$ 19,556	86%	31%	Activity for smart thermostats did not materialize as expected during the transition period
RES-Lighting	\$ 3,053,800	\$ 27,500	\$ 2,804,984	\$ 19,135	92%	70%	Activity for smart thermostats did not materialize as expected during the transition period
RES-Moderate Income	\$ 5,683,192	\$ 1,670,235	\$ 5,528,106	\$ 2,495,995	97%	149%	Greater than expected participation during the transition period led to greater saving and greater associated costs.
RES-Multifamily In-Unit	\$ 1,422,702	\$ 348,675	\$ 1,285,585	\$ 325,524	90%	93%	
RES-School Kits	\$ 105,832	\$ 41,682	\$ 96,235	\$ 35,146	91%	84%	
RESIDENTIAL PROGRAM TOTAL	\$ 11,978,295	\$ 3,016,199	\$ 11,259,563	\$ 3,759,917	94%	125%	
BUS-Standard	\$ 4,174,023	\$ 1,919,798	\$ 4,329,571	\$ 1,417,261	104%	74%	Gas projects during the transition period came in at a cost less than anticipated
BUS-Custom	\$ 1,331,122	\$ 1,326,340	\$ 1,106,344	\$ 1,148,528	83%	87%	
BUS-RCx	\$ 206,388	\$ 149,051	\$ 161,064	\$ 125,184	78%	84%	Costs incurred during the transition period will result in project completion in 2018.
BUS-Large C&I	\$ -	\$ -	\$ -	\$ -	0%	0%	
BUSINESS PROGRAM TOTAL	\$ 5,711,533	\$ 3,395,189	\$ 5,596,979	\$ 2,690,973	98%	79%	
AMEREN ILLINOIS PROGRAM TOTAL	\$ 17,689,828	\$ 6,411,388	\$ 16,856,542	\$ 6,450,890	95%	101%	
LOW INCOME/PUBLIC SECTOR TOTALS	\$ 6,750,421	\$ 2,281,818	\$ 1,205,758	\$ 245,362	18%	11%	

8-103/8-104: PY9 Transition Period New Measures - Residential

Program	Measure Description	TRC	Explanations for TRC < 1
			No New Measures Added

8-103/8-104: PY9 Transition Period New Measures - Business

Program	Measure Description	TRC	Explanations for TRC < 1
			No New Measures Added



**Transition Period (TP)
Residential Highlights**



Residential **Appliance Recycling** Program Highlights

- Program closed 8/31/2016 and completed its last pick-ups in September 2016.
- Over 75,000 appliances were recycled throughout the 8 years of the program.
- Planning activities for PY2018 re-start began during the 2nd quarter.



Residential **HVAC** Program Highlights

- 1,499 MWhs reported at the end of the Transition Period, resulting in 94% of the goal.
- 26,803 therms reported resulting in 24% of the gas goal for the transition period.
- ECM projects spiked in November.
- Lower than anticipated smart thermostat activity this quarter.

Residential **Behavior Modification** Program Highlights

- At the end of the Transition Period, 22,575 MWhs were reported resulting in 103% of the electric goal.
- A gas-only cohort was added in this quarter.
- 1,081,748 therms were reported in this period resulting in 142% of the gas goal.

Residential **HPwES** Program Highlights

- This program closed in August 2016



Residential **Moderate Income** Program Highlights

- At the end of the Transition Period 2,470 MWhs were reported resulting in 143% of the electric goal.
- 423,071 therms were reported in this period resulting in 170% of the gas goal.
- Steady participation during the Transition Period for this program.
- Started accepting 2018 applications on December 1st.





Residential **Multifamily** Program Highlights

- At the end of the Transition Period 2,964 MWhs reported resulting in 86% of the electric goal.
- 36,699 therms reported in this period resulting in 60% of the gas goal.
- Due to lack of participation for the In-unit measures, funds were reallocated to the Business Program.

Residential **ENERGY STAR**® New Homes Program Highlights

- This program closed in August 2016.



Residential **School Efficiency Kits** Program Highlights

- At the end of the Transition Period 211 MWhs reported resulting in 87% of the electric goal.
- 20,455 therms reported in this period resulting in 90% of the gas goal.
- Over 3,100 student energy kits were distributed during the Transition Period.
- 14 schools signed up for presentations in 2018.

Residential **Lighting** Program Highlights

- At the end of the Transition Period 26,015 MWhs reported resulting in 111% of the electric goal.
- 101,826 therms reported in this period resulting in 73% of the gas goal.
- Smart thermostats were added to the program in October 2017 but participation was much less than planned.

DCEO Low Income Transition Period Activities

- DCEO Low Income: EE Affordable Housing Construction
 - Final AHNC project – Metro Landing, started construction in December.
- DCEO Low Income: IHWAP
 - AIC continued to provide funding to the DCEO IHWAP program through the transition period.
- DCEO Low Income: Efficient Living: IL Public Housing Authority
 - U of I pipeline is greater than available budgeted incentives.
- DCEO Low Income: Energy Savers/Elevate
 - AIC and Elevate continued serving MF customers through the transition period.





**Transition Period (TP)
Business Highlights**

Business Standard Program Highlights

- At the end of the Transition Period 25,130 MWhs were reported resulting in 149% of the electric goal.
- 933,031 therms were reported in this period resulting in 94% of the gas goal.
- Public sector has been very responsive during the Transition Period.
- Public sector relationships established.
- On-Line application and Instant Incentives contributed to Transition Period savings.



Business Standard Program Highlights

- 933,031 therms reported in this period.
- Building Operator Certification trainings completed in Bloomington, Chicago, and Glen Ellyn
- MEEA STEP completed 136 walkthroughs
- ERC completed a WWTP and a CHP webinar in December.
- SEDAC completed 91 assessments (Levels 1 -4)



Business Standard Program Highlights

- Boiler Tune-Ups offered through the Standard Program
- Incentive (per kBTU/hr): Space Heating \$1, Process \$2
 - <https://amerenillinoisavings.com/portals/0/business/forms/pytr-hvac.pdf>
- Green Nozzle offerings through Standard, Water-Saving Devices
 - Green Nozzles for Commercial Kitchens
 - <https://amerenillinoisavings.com/greennozzle>
 - The energy-efficient green pre-rinse nozzle uses 75% less hot water than traditional spray nozzles while maintaining the same water pressure for quality cleaning.



Business Standard Program Highlights

- Small Business Direct Install – Ally field work began in late December building a pipeline for 2018 and 13 trained Allies performed 84 assessments.
- STEP measures through Standard
 - AIC offered in conjunction with MEEA during the Transition Period the ‘STEP’ (Savings Through Efficient Products) initiative for Public Sector customers through the ‘Standard’ program
 - Free easy to install EE products like: lamps, LED exit signs, faucet aerators, occupancy sensors, vending controls, etc.

Business Retro-Commissioning (RCx) Program Highlights

- Public Sector:
 - Offered an additional 15% 'bonus' to Public Sector customers who completed a project during the Transition Period.
- Private Sector:
 - There were a few Compressed Air and Large Facilities RCx projects completed during the Transition Period but due to the short timeframe associated with the Transition Period, several projects were unable to complete by the end of the Transition Period.



Business: PY9 Large Electric Customer Impact

- Following FEJA requirements, 10 MW Exempt Customers no longer participating in the Ameren Illinois Energy Efficiency Programs as of 5/31/17.
- Customer and Program Allies received education and training regarding customer/account eligibility. Examples of concerns addressed:
 - Some Exempt Customers may still have facilities with smaller service points that are eligible
 - QA/QC procedures affectively tracking customer eligibility in spite of Program Ally confusion.
- 7,000,000 net kWh submitted by customers that will most likely no longer be eligible in 2018 as they will be over 10MW
 - Over 25% of entire savings goal



Business: PY9 Transition Period Large Gas Customer Impact

- SDC-eligible customers, who did not elect SDC status, submitted over 900,000 net therms during the Transition Period.
- Total Business Programs Gas goal 1,380,000 therms
- Continue to work with Top 500 gas customers to increase participation



Plan 3 Data Center Highlights

- Working with large hospital data center project during Plan 3 to use as example for other corporate-wide data centers in Ameren Illinois territory
- Loss of 10MW Exempt Customers eliminated several large data centers from potential future participants
- Discussion with Johnson Controls regarding potential data center project (August 2017)
- Discussion with hospital in East Central Illinois regarding upgrade of most computers to ENERGY STAR® models



2017 SYMPOSIUM | BUSINESS PROGRAM

- June 7, 2017 in Springfield (Crowne Plaza)
- By the Numbers:
 - 538 business customers
 - 21% public sector facilities
 - 117 exhibitor personnel
 - 5,000 sqft of exhibit space
 - 20 event staff
 - 20 speakers
- 2018 Event: Oct. 24, 2018 in Springfield





FOCUSED ENERGY. For life.