

ComEd[®] Energy Efficiency Program

Plan Year 9 Second Quarter Report



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Data presented in this document is based on preliminary results and is subject to revision and evaluation adjustments. ComEd Energy Efficiency is funded by ComEd customers in compliance with Illinois Public Act 95-0481.

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Customers have saved
\$2.2 billion
on their electric bills



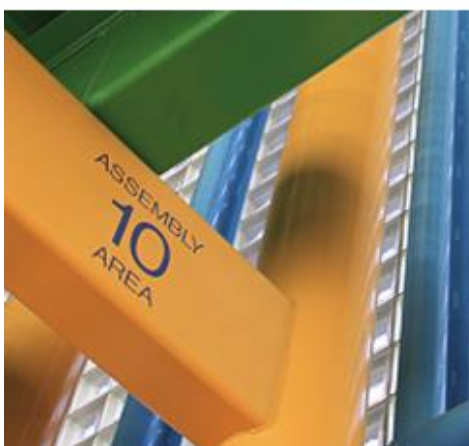
95.3 million
efficient bulbs sold



Enough MWh to power
2.2 million
homes for one year

29.1 billion
pounds of CO₂ reduced

21 million
net MWh saved



More than
\$515 million
in incentives provided



Based on lifetime MWh savings through PY9 Q2



Quarterly Program Highlights

EEPS Business Programs

- Through Q2, EEPS business programs have achieved 25% of their combined PY9 forecast of 472,641 MWh. The slow start is attributed to the Standard and BILD programs where incentive levels were reduced in an effort to ensure funding remains available longer.
- Over 785 SIFYB projects were completed in Q2.
- The Data Center element of the Incentives program reduced its technical assistance services cost to from \$0.025 to approximately \$0.019 per kWh identified.
- The BILD program introduced tubular LED (TLED) lamps.
- Industrial Systems introduced a limited-time incentive to expedite projects and drive deeper saving measures.
- The C&I New Construction program now offers incentives for smart thermostats and ENERGY STAR® certified appliances installed in multi-family tenant units.

EEPS Residential Programs

- Through Q2, EEPS residential programs have achieved 55% of their combined PY9 forecast of 64,224 MWh.
- Customers received over 29,500 rebates, recycled over 12,500 appliances, and received over 8,500 assessments in Q2.
- ComEd launched the new ComEd Marketplace which offers instant rebates on smart thermostats and advanced power strips along with other products.
- The Fridge & Freezer Recycling program's processing time for customer incentive payments, measured from the date when the pickup occurs to the date when the payment is issued, has averaged only 8 days.

IPA Programs

- IPA programs achieved 36% of their combined PY9 forecast of 845,797 MWh.
- The Small Business Energy Savings Program provided energy-saving products to over 1,200 customers in Q2.
- The Lighting Discounts Program added more than 400 stores to its in-store instant discount offerings on ENERGY STAR® certified lighting products with the addition of Walgreens to the program.
- The Home Energy Report Program enrolled 350,000 new customers into paper reports to maintain an average of 1.7M recipients throughout the program year after attrition.

Ex-Ante Results

EEPS Ex-Ante Results

EEPS Program	Net MWh Actual	Net MWh Goal	Net MWh Forecast	Percent of Goal	Percent of Forecast	Program Costs YTD (\$1,000)	Rate Filing Screen (\$1,000)	Percent of Annual Spend
Incentives Total (includes large C&I pilot)	43,968	195,831	207,262	22%	21%	\$ 10,642	\$ 32,900	32%
Standard	40,892		142,610		29%			
Custom	3,076		43,487		7%			
Data Center	0		21,166		0%			
Optimization Total	13,689	97,831	63,479	14%	22%	\$ 5,299	\$ 16,500	32%
Retro-Commissioning	6,407		22,156		29%	\$ 2,494	\$ 7,500	33%
AirCare Plus (>100 kW)	3,771		5,765		65%	\$ 514	\$ -	N/A
Industrial Systems	2,835		33,207		9%	\$ 1,769	\$ 9,000	20%
Operational Savings	675		2,351		29%	\$ 521	\$ -	N/A
Strategic Energy Management Pilot	0		2,500		0%	\$ 133	\$ -	N/A
BILD/Midstream Incentives	42,443	123,170	155,967	34%	27%	\$ 2,085	\$ 8,056	26%
New Construction	18,901	16,535	38,235	114%	49%	\$ 4,623	\$ 10,000	46%
Multi-Family Common Area	828	4,000	5,198	21%	16%	\$ 90	\$ 1,000	9%
C&I General						\$ 850	\$ -	
C&I Subtotal	119,829	437,367	472,641	27%	25%	\$ 23,721	\$ 68,456	35%
Fridge & Freezer Recycling	12,762	29,450	18,885	43%	68%	\$ 3,870	\$ 8,701	44%
Appliance Rebates	6,269	9,103	19,322	69%	32%	\$ 4,113	\$ 6,686	62%
Home Energy Assessment	5,621	7,590	10,669	74%	53%	\$ 2,655	\$ 5,745	46%
Heating & Cooling	5,737	7,407	8,000	77%	72%	\$ 2,848	\$ 9,638	30%
Weatherization	446	N/A	500	N/A	89%	\$ 476	\$ -	N/A
Multi-Family	1,595	4,838	4,027	33%	40%	\$ 916	\$ 1,925	48%
Elementary Energy Education	2,353	567	2,571	415%	92%	\$ 358	\$ 233	154%
New Construction	226	15	250	1507%	90%	\$ 159	\$ 265	60%
Direct to Consumer Kit		4,930	0				\$ -	
Residential General						\$ 1,129	\$ -	
Residential Subtotal	35,008	63,900	64,224	55%	55%	\$ 16,525	\$ 33,193	50%
R&D/Emerging Tech	101	0	0			\$ 521	\$ 3,587	15%
Lighting Carryover	0	16,102	45,150	0%	0%			
EEPS Program Total	154,938	517,369	582,015	30%	27%	\$ 40,766	\$ 105,235	39%
IPA Program Total	302,256	883,527	845,797	34%	36%	\$ 33,760	\$ 134,863	25%
EEPS and IPA Program Total	457,193	1,400,896	1,427,812	33%	32%	\$ 74,526	\$ 240,098	31%

Ex-Ante Results

IPA Ex-Ante Results

IPA Program	Net MWh Actual	Net MWh Goal	Net MWh Forecast	Percent of Goal	Percent of Forecast	Program Costs YTD (\$1,000)	Rate Filing Screen (\$1,000)	Percent of Annual Spend
Lighting Discounts	100,724	217,565	218,260	46%	46%	\$ 13,694	\$ 37,123	37%
Home Energy Report	150,076	351,498	290,000	43%	52%	\$ 4,666	\$ 13,856	34%
Small Business Energy Savings	34,868	167,000	174,923	21%	20%	\$ 11,658	\$ 45,891	25%
LED Streetlighting	0	10,949	10,945	0%	0%	\$ 275	\$ 8,208	3%
Lighting Carryover	0	0	33,000					
IPA ComEd Subtotal	285,668	747,012	727,128	38%	39%	\$ 30,293	\$ 105,078	29%
Accelerate Group - CUB Energy Saver	679	17,910	17,910	4%	4%	\$ -	\$ 775	0%
Elevate Energy - Chicago MF Retrofit	827	1,828	1,683	45%	49%	\$ 260	\$ 577	45%
Shelton Solutions - Energy Stewards	0	850	0	0%	N/A	\$ -	\$ 139	0%
National Threatre for Children - Kits	664	1,220	1,229	54%	54%	\$ 267	\$ 625	42.7%
CLEAResult - CFL Distribution	6,878	14,721	12,713	47%	54%	\$ 573	\$ 1,330	43%
ERC - Low-Income Kits	1,169	4,103	3,996	28%	29%	\$ 344	\$ 1,439	24%
ERC - Low-Income Multi-Family	0	6,520	6,518	0%	0%	\$ -	\$ 2,168	0%
CLEAResult - School Energy Savings	395	4,310	3,850	9%	10%	\$ 129	\$ 1,072	12%
Matrix - Private Schools	622	5,545	7,437	11%	8%	\$ 106	\$ 989	11%
Matrix - DBVFC	0	5,517	6,864	0%	0%	\$ -	\$ 1,241	0%
CLEAResult - LLLC	453	17,216	13,457	3%	3%	\$ 155	\$ 5,101	3%
Elevate Energy - Assisted & Sr. Housing	65	1,188	1,188	5%	5%	\$ -	\$ 626	0%
Franklin - Rural Small Business EE Kits	250	1,234	1,234	20%	20%	\$ 106	\$ 583	18%
GDS Associates - Agricultural EE	0	1,220	1,299	0%	0%	\$ -	\$ 367	0%
GDS Associates - Lit Signage	172	14,624	14,453	1%	1%	\$ 340	\$ 3,700	9%
MEEA - STEP Efficient Products	0	3,343	2,145	0%	0%	\$ -	\$ 778	0%
SEDAC - Building Optimization	0	11,056	11,801	0%	0%	\$ -	\$ 2,500	0%
Power TakeOff - MBCx	0	2,709	1,860	0%	0%	\$ -	\$ 1,554	0%
CLEAResult - AirCare Plus (<100 kW)	4,376	10,962	7,171	40%	61%	\$ 1,169	\$ 3,146	37%
Weidt Group - New Construction SBO	37	4,213	1,860	1%	2%	\$ 17	\$ 1,075	1.6%
Sodexo - DBCFV	0	5,096	0	0%	N/A	\$ -	\$ -	N/A
One Change	0	1,130	0	0%	N/A	\$ -	\$ -	N/A
IPA Third Party Subtotal	16,587	136,515	118,669	12%	14%	\$ 3,467	\$ 29,785	12%
IPA Program Total	302,256	883,527	845,797	34%	36%	\$ 33,760	\$ 134,863	25%
EEPS Program Total	154,938	517,369	582,015	30%	27%	\$ 40,766	\$ 105,235	39%
EEPS and IPA Program Total	457,193	1,400,896	1,427,812	33%	32%	\$ 74,526	\$ 240,098	31%



EEPS Programs – Business

Standard

Overview: The Standard element of the C&I Incentives Program provides monetary incentives to customers on a “Standard” per-unit or per-fixture basis. Offered measures include LEDs, T-8 and T-5 lighting and controls, building automation systems, air- and water-cooled chillers and variable speed drives, as well as equipment with niche or targeted market applications, such as laboratory, farm and commercial food service equipment, and grocery refrigeration measures.

- **40,892 MWh savings achieved (29% of forecast) based on 469 projects**
- There were no significant changes to the program in Q2.
- Pre-application inflow continues to be strong, and there are more than enough projects in the PY9 pipeline to achieve the program savings goals.
- Q2 showed a large increase (~280%) in incentive payments compared to Q1, and Q3 is forecasted to have a similar increase. The outreach professionals have conducted several project call campaigns to improve data quality and help customers and contractors with the next steps in the application process.
- New industrial-focused measures in PY9 are not having a significant impact, but focused outreach efforts are being used on these measures to increase participation.
- There are over 1,000 projects in the PY9 pipeline for potential savings of more than 150,000 MWh.

Custom

Overview: The Custom element of the C&I Incentives Program identifies and implements site-specific and unique cost-effective energy efficiency opportunities that are not available via the Standard element. Customized incentives based on calculated savings for specific customer projects are offered. Measures include process efficiency improvements, system upgrades, and those measures not covered by the Standard element of the program.

Custom (continued)

- **3,076 MWh savings achieved (7% of forecast) based on 6 projects**
- Program activity described above for the Standard element is similar to Custom.
- There currently are potential savings of over 45,000 MWh in the PY9 pipeline.

Data Centers

Overview: The Data Center element of the C&I Incentives Program follows the basic tenets of the Custom Program such that all energy-saving measures that can be measured and verified via industry accepted measurement and verification techniques are eligible for incentives. Incentives are based on actual energy saved from pre-project conditions to post-project conditions. The targeted segment for this program includes data centers as a business, data centers that support businesses and subsequent systems that support those data centers.

- **0 MWh savings achieved (0% of forecast)**
- The program shifted its payment structure such that new construction projects are targeted to be paid in the fall, and renovation projects are targeted to be paid in the spring. This was done in an effort to mitigate risk of the program year-end “hockey stick.”
- The program reduced the technical assistance services cost from \$0.025 to approximately \$0.019 per kWh identified.
- The program remains very strong across a large band of customers, with substantial short and long term pipelines. There currently are potential savings of over 28,000 MWh in the PY9 pipeline.

Midstream Incentives / Business Instant Lighting Discounts (BILD) & Business Product Discounts (BPD)

Overview: The BILD program provides instant discounts on qualifying LED screw-in products, LED

exit signs, and reduced wattage T8 and T5 linear fluorescent lamps (LFLs). Discounts are provided through an open network of BILD distributors who have signed program agreements. The BPD program provides incentives for electronic industrial battery charges and high-efficiency transformers.

- **42,443 MWh savings achieved (27% of forecast) based on 354,352 products sold**
 - 264,249 LEDs sold
 - 90,048 LFLs sold
 - 55 battery chargers sold
- The program introduced tubular LED (TLED) lamps on November 14th. This lamp type has been growing in demand from the market and the program's distributors.
- With the addition of TLEDs, the program is anticipating getting back on track to meet the PY9 savings goal.

Retro-Commissioning (RCx)

Overview: The RCx Optimization Program provides detailed engineering analysis of building systems designed to identify energy-saving operational improvements with a bundled simple payback of 18 months or less. Incentives are provided to customers who commit to implementing agreed-upon energy-saving equipment scheduling, optimization of economizer operations, and adjustment of heating, ventilation, and air conditioning (HVAC) setpoints.

- **6,407 MWh savings achieved (29% of forecast) based on 13 projects**
 - 1 monitoring-based commissioning (MBCx) project completed
 - 8 RCx Building Tune-Up (buildings less than 150,000 square feet) projects completed
 - 2 RCxpress (buildings between 150,000 and 400,000 square feet) project completed
 - 2 RCx (buildings over 400,000 square feet) projects completed

Retro-Commissioning (RCx) (continued)

- 0 Grocery RCx projects completed
- A limited-time incentive offer to generate new applications for RCxpress in October and early November resulted in 6 new projects.
- A calling campaign is underway to develop participation from buildings less than 150,000 square feet.
- A marketing campaign is being developed to re-engage past participants in RCx who are now once again eligible for the program.
- PY9 program changes include moving to a pay-per-performance model in the RCx Building Tune-Up program to allow customers and service providers more flexibility to seek deeper energy savings than the original design, and to limit costs when projects yield low savings.
- Incentives are now being offered to service providers for completing projects within an aggressive timeline and to customers for implementing additional measures once the savings target and minimum spending commitments have been met.
- Segmented outreach, mainly Commercial Real Estate, continues to provide leads for new projects.
- There are 112 active projects in the PY9 pipeline for potential savings of 26,300 MWh.

AirCare Plus (>100 kW)

Overview: The AirCare Plus program is an enhanced HVAC maintenance service program designed to optimize the performance of all major energy-using components of packaged HVAC Roof Top Units (RTUs) and split systems. The program integrates a package of energy saving hardware retrofits and mechanical adjustments into the standard commercial HVAC service and maintenance model to provide a cost-effective energy saving solution for 3 to 60 ton units. Savings from commercial participants with a peak demand of greater than 100 kW are

attributed to the EEPS portfolio. Small commercial participants with a peak demand of 100 kW or less are attributed to IPA.

- **3,771 MWh savings achieved (65% of forecast) based on 328 projects**
- More than 850 measures have been installed in PY9.
- Activity was challenged with the unpredictability of Chicago's climate. This summer has been much warmer than last year. With the warmer weather, the program has had to compete with the core business of HVAC contractors.
- The program primes customers with thermostats during the colder months and re-engage customers with an HVAC tune-up in the spring.
- HVAC tune-up incentive levels were increased at no cost to customers to boost participation rates.
- The program has completed several high profile tune-ups for large hospitals and manufacturing facilities, generating project referrals and customer recognition.
- The Trade Ally network increased to include 24 contractors.
- While customer participation rates were lower than anticipated, MWh savings per project were above target.

Industrial Systems

Overview: The Industrial Systems Optimization program performs studies of compressed air, industrial refrigeration, and/or process cooling systems to locate energy efficiency opportunities. Cost of assessments is covered by the program if customer obligations are met, and financial incentives are offered for implementing measures recommended by the study.

- **2,835 MWh savings achieved (9% of forecast) based on 12 compressed air projects**
- There are currently 17 customers involved in two or more study projects.
- The positive uptake of the program offering

Industrial Systems

has created a healthy pipeline for PY9. There are 114 projects in the PY9 pipeline for potential savings of over 64,000 MWh.

- The program rolled out an incentive bonus for comprehensive projects. The bonus is 30% in addition to the \$0.07 per verified kWh. The program also announced a bundle payment offer for comprehensive compressed air projects.
 - Both of these programmatic changes are in effect for projects completed by January 31st. Participation will be reported in Q3 due to the limited time offer and short duration of completing projects.
 - The objective is to reduce the typical “hockey stick” savings projection seen in prior years and PY10 carryover costs.

Operational Savings

Overview: The Operational Savings program identifies no-cost/low-cost opportunities that do not qualify for incentives. These opportunities are identified by engineers during the course of various types of ComEd Energy Efficiency Program studies and assessments. Examples of such opportunities include shutting off idle equipment, optimizing the efficiency of existing systems and changes in the operating habits of occupants.

- **675 MWh savings achieved (29% of forecast)**
- Since inception in PY7, over 1,000 operational measures have been identified for potential savings of over 18,500 MWh.
- On average, the program is identifying 2.1 operational measures per facility assessment, 32% higher than the PY8 average.
- Operational savings per facility assessment has increased by 50% when compared to PY8.
- A total of 65 operational measures have been implemented through Q2, 44% more than the PY8 total of 45.

Strategic Energy Management (SEM)

Overview: Strategic Energy Management provides tools, coaching and technical resources to support your energy goals through a year-long series of workshops and one-on-one coaching. It draws on principles of continuous improvement and organizational change and integrates Lean, Six Sigma and other cost savings and operational excellence initiatives. SEM will help implement organizational structures, behavior changes, and systematic practices that can lead to reducing energy costs 5-25% for both electricity and natural gas.

- **0 MWh savings achieved (0% of forecast)**
 - Estimated savings will be available in Q3.
- The second cohort, including 3 hospitals, 4 universities, and 2 industrial manufacturers, has completed first half of Y1, known, as foundation building, and is moving into implementation.
- The pilot Y2 cohort will be closing out December 31st with a final report workshop set for January 26th.

C&I New Construction

Overview: The New Construction Program provides technical assistance, support for the Leadership in Energy and Environmental Design (LEED) rating system, and incentives for efficient designs and measure implementation in order to influence building design practices during the design and construction of new buildings, major renovations of existing buildings, and tenant build-outs in the C&I market.

- **18,901 MWh savings achieved (49% of forecast) based on 35 buildings**
- The program is now offering incentives for smart thermostats and ENERGY STAR® certified appliances installed in multi-family tenant units. Multiplied across hundreds of units, additional savings from this new offering can exceed 100,000 kWh per building in high rise multi-family buildings.

Multi-Family Common Area

Overview: The Multi-Family Common Area Program provides free energy assessments and installation of energy-saving products within common area spaces in multi-family properties with a peak demand of 100 kW or less. Installed measures may include LEDS, HVAC optimization, and programmable thermostats.

- **828 MWh savings achieved (16% of forecast)**
- Energy-saving products have been installed within 23 common area spaces.
- A joint program was launched with North Shore Gas and Peoples Gas to provide common area assessments and free energy efficiency improvements using a closed network of installing Trade Allies. Initial customer feedback of leveraging the tenant program visit to address common area efficiency within this hard to reach market has been very positive. Further reporting to follow in Q3.



EEPS Programs – Residential

Fridge and Freezer Recycling

Overview: The Fridge and Freezer Recycling Program promotes the retirement and recycling of inefficient, working refrigerators and freezers, as well as room air conditioners, from households by offering \$50 and free pick up of the equipment.

- **12,762 MWh savings achieved (68% of forecast) based on 26,867 pickups**
- ComEd has collected and responsibly recycled more than 315,000 refrigerators and freezers since we began to offer this service to our customers in June 2008.
- Customer participation remained strong, with over 26,000 refrigerators and freezers collected through the end of Q2. This performance places the program in an excellent position to achieve the PY9 goal of 45,000 units, including room air conditioners.
- All units continue to be permanently removed from further use on the electric grid, and are recycled in an environmentally responsible manner by Recleim, following the Environmental Protection Agency Responsible Appliance Disposal guidelines.
- The processing time for customer incentive payments during PY9, measured from the date when the pickup occurs to the date when the payment is issued, has averaged only 8 days through the end of Q2.
- A summer marketing campaign that included bill inserts, billboards, digital ads, and radio spots concluded at the end of September. A fall marketing campaign that includes bill inserts, digital ads, and radio spots began in early October and will conclude at the end of December. The main theme in these campaigns is for customers to save energy and reduce their electric bills through the convenience of having ComEd recycle their old, working refrigerator or freezer.

EEPS Programs – Residential

Appliance Rebates

Overview: The Appliance Rebate Program provides rebates for qualifying ENERGY STAR® appliances sold through retail channels to ComEd residential customers. Eligible measures include select ENERGY STAR® certified clothes washers, electric clothes dryers, refrigerators, freezers, air purifiers, pool pumps, water dispensers, room AC units, advanced power strips, ventilation fans, smart thermostats, and heat pump water heaters.

- **6,269 MWh savings achieved (32% of forecast) based on 44,069 appliance rebates issued**
- The program added 18 JCPenney stores to its list of retailer partners in Q2.
- ComEd launched the new ComEd Marketplace which offers instant rebates on smart thermostats and advanced power strips along with other products. The ComEd Marketplace has shown significant potential after the Black Friday and Cyber Monday holidays sold more products, primarily smart thermostats, than anticipated.

Joint Home Energy Assessment

Overview: In partnership with Nicor Gas, North Shore Gas, and Peoples Gas, the Home Energy Assessment is a free walkthrough assessment with an energy advisor that determines the ways energy is used in the home. Customers receive personalized energy-efficiency recommendations, and the following energy-saving products are installed for free: ENERGY STAR® certified standard CFLs, specialty LEDs, advanced power strips, programmable thermostats, WaterSense® certified showerheads, faucet aerators, and hot water pipe insulation. Ecobee3 smart thermostats and ENERGY STAR® certified standard LEDs are also available for purchase at a discount and include free installation.

- **5,621 MWh savings achieved (53% of forecast)**

based on 5,683 assessments

- Over 3,000 customers received assessments in Q2, with over 350 ecobee3 smart thermostats installed.
- Program savings per home are higher than forecasted due to the popularity of free specialty indoor LEDs and advanced power strips. Program popularity has also seen an increase over the last quarter.

Heating & Cooling & Weatherization

Overview: The Heating & Cooling & Weatherization Program promotes investment in long-term savings by providing rebates for the purchase and installation of high efficiency central air conditioners and air source heat pumps (≥ 14.5 SEER and ≥ 16 SEER), ductless mini-split heat pumps (≥ 17 SEER and ≥ 9.5 HSPF), ECM motors, heat pump water heaters, and smart thermostats. Weatherization measures, including air sealing, duct sealing, and attic and wall insulation, are also incented. The weatherization portion of the program is offered jointly with Nicor Gas, North Shore Gas and Peoples Gas.

- **6,182 MWh savings achieved (73% of forecast) based on 8,764 products and projects**
- Over 2,500 customers received rebates for energy efficient heating and cooling equipment, including contractor-installed smart thermostats, in Q2.
- As of September 1st, contractor-installed smart thermostat rebates are now limited to contractors who offer instant discounts on the devices.
- The program held its first ComEd Residential HVAC Contractor/Trade Ally Forum at the Brookfield Zoo, which included the distribution of new contractor toolkits and resulted in participation of over 55 contractors and distributors representing 47 different companies who participate in the program. Overall, post-survey results indicate a 4.21 out of 5 in terms of overall success of the event.

EEPS Programs – Residential

Heating & Cooling & Weatherization (continued)

- The program redesigned and updated the Trade Ally list that is posted on the ComEd website, providing a more customer friendly experience for locating a ComEd Trade Ally.
- The program continued to build participation in the ComEd Residential Trade Ally Network, resulting in over 204 heating and cooling contractors enrolled to date.
- Over 550 customers received rebates for completing weatherization projects in Q2. Weatherization rebates in the Peoples and North Gas territory continued to perform strongly and trend ahead of forecast
- Total number of Approved Weatherization Contractors remained static as the program continues to have territory wide coverage for weatherization rebates.

Joint Multi-Family

Overview: In partnership with Nicor Gas, North Shore Gas, and Peoples Gas, the Multi-Family Program provides multi-family properties with free energy assessments and installation of energy-saving products in tenant spaces. Installed measures include ENERGY STAR® standard CFLs and specialty LEDs, advanced power strips, faucet aerators, showerheads, programmable thermostats, and pipe insulation.

- **1,595 MWh savings achieved (40% of forecast) based on 10,649 units**
- A second type of advanced power strip was added to the product mix in the Peoples Gas territory, and some reach back efforts to properties in the Nicor Gas territory were performed to install ENERGY STAR® certified specialty LEDs and advanced power strips that were not available prior to PY9.
- The main focus of this program continues to be to improve energy efficiency within the residential tenant spaces of multi-family

properties through the free installation of free energy-saving products.

- The program continued to perform through joint coordination efforts with the natural gas utilities in ComEd's service territory. This allowed for natural gas and water-saving products, such as faucets aerators and showerheads, to also be installed during the same site visit.

Joint Residential New Construction

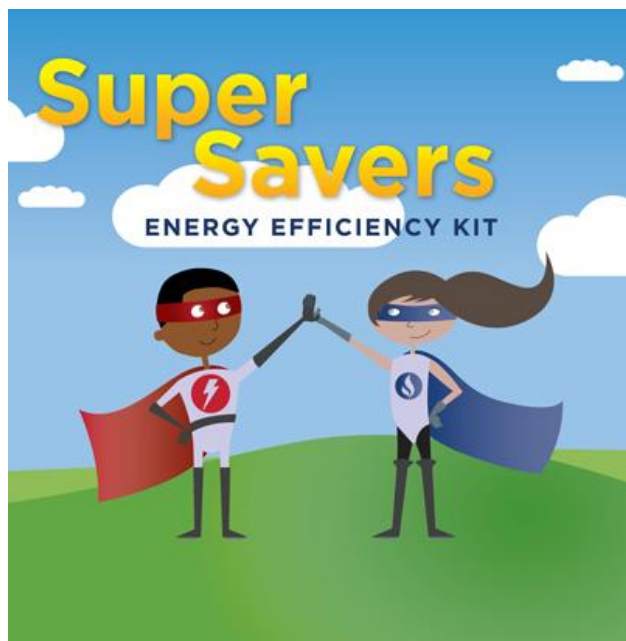
Overview: In partnership with Nicor Gas, the Residential New Construction Program increases awareness and understanding among Home Energy Rating System (HERS) rating companies and home builders of the benefits of energy-efficient building practices with a focus on capturing energy efficiency opportunities available during the design and construction of new single-family homes. Incentives are provided to HERS-certified consultants that certify homes and builders who construct homes that are at least 20 percent more energy-efficient than what currently is required by the State of Illinois Energy Code.

- **226 MWh savings achieved (90% of forecast) based on 338 homes**
- A total of 169 homes served jointly by ComEd and Nicor Gas were completed and verified in Q2. These homes achieved an average savings of over 650 kWh.
- 68 of the qualified joint new homes in PY9 have met the highest program tier with modeled savings of at least 30% greater than the current Illinois energy code, IECC 2015.
- The program continued to identify and recruit additional builders to help support increased participation and savings goals during PY9. A total of 62 builders and 9 raters are actively engaged in the program, up from the previous total of 54 builders.

Joint Elementary Energy Education (Super Savers)

Overview: ComEd, Nicor Gas, North Shore Gas, and Peoples Gas have partnered to offer schools the opportunity to teach 5th grade students and their families how to use less energy at home. Students learn about valuable ways to save energy and money through in-class education. They also receive free take-home kits containing ENERGY STAR®-certified CFLs and LEDs, faucet aerators, and other energy-saving products to install at home with their families.

- **2,353 MWh savings achieved (92% of forecast)**
- ComEd and partnering natural gas utilities have secured additional funding to expand the PY9 kit goal from approximately 11,500 to 25,750.
- New in PY9, two of the three ENERGY STAR® CFLs included in the kit are replaced with ENERGY STAR® LEDs.





IPA Programs – ComEd

Small Business Energy Savings (SBES)

Overview: The SBES program implements energy efficiency projects for customers under 100 kW peak demand. The program provides comprehensive energy savings solutions for customers including advanced lighting, refrigeration, HVAC, and compressed air.

- **34,868 MWh savings achieved (20% of forecast)**
- Despite the slow start, the program is expected to achieve the savings goal as participation increases with new lighting campaigns.
- Over 1,200 customers were provided with energy-saving products in Q2.
- The PY9 measure mix has been 50% non-lighting, and 50% lighting; previous program years have been over 90% lighting.
- The program has achieved a 93% customer satisfaction rate.
- The early rooftop unit replacement campaign has been very popular.
- A Trade Ally bonus was introduced to help reach the Q2 savings goal.
- Given the slower start in PY9, the program is launching a past customer campaign, and increasing incentives for indoor and outdoor LEDs to promote project volume.
- Trade Allies continue to provide positive feedback in monthly roundtable discussions.

Lighting Discounts

Overview: The Lighting Discounts program provides instant in-store discounts to ComEd residential customers at participating retail stores on select ENERGY STAR® certified lighting: CFLs, LEDs and LED trim kits.

- **100,724 MWh savings achieved (46% of forecast) based on 5,468,209 units sold**
 - 1,847,205 CFL bulbs sold
 - 3,469,771 LED bulbs sold
 - 151,233 LED trim kits sold
- ComEd launched the new ComEd Marketplace

Lighting Discounts (continued)

which offers ComEd customers the opportunity to buy ENERGY STAR® certified lighting products with instant discounts online.

- The program added more than 400 stores to its in-store instant discount offerings on ENERGY STAR® certified lighting products with the addition of Walgreens to the program.
- The Lighting Field Rep team conducted over 200 in-store lighting demonstrations and trained more than 6,800 store associates, including appliance retailers.

Home Energy Reports

Overview: The Home Energy Report provides select residential customers with information on how they use energy within their households. Reports and the online portal include usage comparison to that of similar, nearby household, personalized energy efficiency advice, program promotions, and application of behavioral principles and social norm to drive adoption of energy efficient behaviors.

- **150,076MWh savings achieved (52% of forecast)**
- The program is reaching 1.7 million participants with a low opt-out rate and high customer satisfaction through customer inquiries.
- The program migrated to version 2 of the paper Home Energy Reports. Key improvements in version 2 include: better highlights key insights to make the report easier to recall, provides more actionable tips, and provides a personal tracker with customer progress data.
- The program enrolled 200,000 new customers and 150,000 refill customers into paper reports in September. Refill customers are to maintain an average of 1.7M recipients throughout the program year after attrition.
- There has been a large increase in customer inquiries after the addition of 350,000 paper

and 600,000 email recipients. Each customer inquiry is responded to personally and promptly. A portion of customer inquiries also require technical support and coordination with our engineering group.

- The qualitative portion (focus groups) of market research study is complete. The quantitative (online survey) portion of the study was issued in November.

LED Street Lighting

Overview: The program is to replace existing ComEd owned mercury vapor (MV) or high pressure sodium (HPS) fixtures with LED street lights. These street lights are installed and maintained by ComEd and the municipality pays a rental charge for the fixture and an energy charge. LED street lights provide energy efficient lighting which reduces operating costs and increases the life of street lighting.

- **0 MWh savings achieved (0% of forecast)**
- The program has signed up more than 28 municipalities to install approximately 5,700 fixtures for potential savings of over 3,500 MWh.
- LED color temperature became a significant issue at the beginning of PY9 and delayed both installations as well as outreach to sign up new municipalities. Outreach ramped up once the color temperature issue was resolved.
- Installations have begun in several of the municipalities, and installations in more municipalities will ramp up in January.
- Municipalities are excited by the savings on their bills as well as the improvement in light quality. In several of the economically challenged communities that signed up, they also viewed LEDs as a great way to show their constituents that infrastructure improvements were being made in the community.



IPA Programs – Third Party

The Accelerate Group – CUB Energy Saver

Overview: The CUB Energy Saver Program is a free online service that motivates ComEd customers to save energy through a pioneering combination of practical, money-saving guidance, financial rewards, and partnerships with community groups and government agencies. Participants receive monthly emails regarding: 1) their energy usage based on billing data, 2) their reward points earned from savings, 3) recommendations for additional savings, and 4) reward redemption opportunities. It leverages behavioral and marketing best practices by encouraging opt-in web engagement and rewarding customers that save energy.

- **679 MWh savings achieved (4% of forecast)**
- The program began PY9 with 9,870 previously linked accounts and the goal of adding 10,000 new accounts.

Elevate Energy – Chicago Multi-Family Retrofit

Overview: In partnership with the City of Chicago, the Chicago Multi-Family Retrofit Program provides electrically heated multi-family buildings with free energy assessments and comprehensive retrofits including direct installation of low cost measures, equipment tune-ups, and comprehensive lighting and building shell retrofits. Incentives are available for those who choose to implement more in-depth efficiency measures.

- **827 MWh savings achieved (49% of forecast) based on 9,333 smart strips distributed**
- The program is currently on track to achieve the PY9 savings goal.

Shelton Solutions – Great Energy Stewards

Overview: The Great Energy Stewards Program is a behavioral program which invites opt-in ComEd residential customers, via churches and the Community and Economic Development Association (CEDA), to participate in an energy use reduction competition against themselves. Participants are

IPA Programs – Third Party

Shelton Solutions – Great Energy Stewards (continued)

provided with a record of their energy use and energy-saving tips through email and postal mail.

- **0 MWh savings achieved (0% of forecast)**
 - PY9 savings will not be reported until the PY9 evaluation has been completed to allow for accurate savings. The final PY8 evaluation report indicated that the program achieved minimal success in PY8, with savings not statistically different than zero.
- There are currently 1,641 confirmed participants including those carried over from PY8. An estimated 84 new participants were added in Q2.
- The program added faith-based events to outreach efforts and met with 14 churches in Q2.

National Theatre for Children (NTC) – Gas and Electric Water Heater Kits Program

Overview: The National Theatre for Children provides kits for homes with gas or electric water heaters to middle school students to encourage students and their families to develop good energy habits.

- **664 MWh savings achieved (54% of forecast) based on 3,202 kits**
- A total of 3,202 energy-saving kits, consisting of 2,353 natural gas kits and 850 electric kits, have been shipped to households in the ComEd service territory.
- The PY9 pipeline is full, and the program is on track to achieve the PY9 savings goal.

CLEAResult – School Energy Savings (SES) Program

Overview: The School Energy Savings (SES) Program provides private education establishments with a peak annual electric demand of 100kW or below with an assessment

of operational efficiency, free direct installation of energy and cost saving measures, and optimization of existing systems' operational procedures and controls.

- **395 MWh savings achieved (10% of forecast) based on 63 projects**
- CLEAResult hoped that the introduction of the commercial programmable thermostat measure would provide the MWh savings needed to run the program cost effectively. Unfortunately, the program is finding that the thermostats are typically not at the settings CLEAResult needs to install the new programmable thermostats.
- The program cannot continue at the moment without making changes to the structure and measures. Conversations are being set up to discuss the viability of the program through the end of PY9.

Matrix – Private Schools Program

Overview: Matrix provides private education establishments with implementation of capital intensive measures and emerging technologies to create short- and long-term energy savings. The program will involve all energy end-uses that can be found in an educational environment, including but not limited to lighting and controls.

- **622 MWh savings achieved (8% of forecast) based on 18 projects**
- The program is focused on increasing the pipeline and promoting the program to ensure enough interest to achieve program savings goals.
- Tubular LEDs were introduced to the measure mix.
- Matrix has developed a relationship with Orchard Electric, an electrical shop in the ComEd Service Territory.

Matrix – Demand Based Ventilation Fan Controller (DBVFC) Program

Overview: Matrix optimizes the operating time of HVAC systems for small business customers

IPA Programs – Third Party

Matrix – Demand Based Ventilation Fan Controller (DBVFC) Program (continued)

including restaurants and fitness centers. The Demand-Based Ventilation Fan Controller (DBVFC or DCV) optimizes the operating time of an HVAC system to reduce the amount of outside air required to a space during partial occupancy and energy use.

- **0 MWh savings achieved (0% of forecast)**
- The program is currently running at full speed under DCEO and is not expected to switch over to IPA TPEP funding until DCEO funding is fully depleted.

CLEAResult – AirCare Plus (<100 kW)

Overview: The AirCare Plus program is an enhanced HVAC maintenance service program designed to optimize the performance of all major energy-using components of packaged HVAC Roof Top Units (RTUs) and split systems. The program integrates a package of energy saving hardware retrofits and mechanical adjustments into the standard commercial HVAC service and maintenance model to provide a cost-effective energy saving solution for 3 to 60 ton units. Savings from commercial participants with a peak demand of greater than 100 kW are attributed to the EEPS portfolio. Small commercial participants with a peak demand of 100 kW or less are attributed to IPA.

- **4,376 MWh savings achieved (61% of forecast) based on 527 projects**
- More than 1,400 measures have been installed in PY9.
- Program activity is dependent on weather conditions with tune-ups requiring ambient air temperatures of 65 degrees.
- Activity was challenged with the unpredictability of Chicago's climate. This summer has been much warmer than last year. With the warmer weather, the program has had to compete with the core business of HVAC contractors.

- The program primes customers with thermostats during the colder months and re-engage customers with an HVAC tune-up in the spring.
- HVAC tune-up incentive levels were increased at no cost to customers to boost participation rates.
- Programmable Thermostat incentives were increased for Trade Allies.
- The program has completed several high profile tune-ups for large hospitals and manufacturing facilities, generating project referrals and customer recognition.
- While customer participation rates were lower than anticipated, MWh savings per project were above target.
- The Trade Ally network increased to include 24 contractors.
- Small customer participation rates have been growing as Trade Allies develop their business model.

The Weidt Group – New Construction Small Business Offering (Net Energy Optimizer)

Overview: The Weidt Group provides energy saving calculations through a web-based modeling tool for commercial and multi-family buildings ineligible for the SIFYB New Construction Program. The Small Business Offering (SBO) expands on the New Construction market to provide technical analysis to commercial buildings between 5,000 and 20,000 square feet and multifamily buildings between 5,000 and 100,000 square feet through the use of an online energy modeling tool called the Net Energy Optimizer (NEO).

- **37 MWh savings achieved (2% of forecast) based on 26,584 square feet in 2 buildings**
- Projects take on average 12-18 months from design to construction completion. The duration of the TPEP offering is 24 months. The path to a more successful program requires a longer time frame than two years.

IPA Programs – Third Party

The Weidt Group – New Construction Small Business Offering (Net Energy Optimizer) (continued)

- There currently are 14 buildings in the PY9 pipeline for potential savings of over 1,000 MWh.

360 Energy Group – SEDAC Enhanced Building Optimization

Overview: The public sector Enhanced Building Optimization Program provides a free comprehensive tune-up including adding high efficiency low pressure drop filters for all rooftop units/split systems that have not had preventative maintenance done for the last three years, as well as continuous monitoring of HVAC units.

- **0 MWh savings achieved (0% of forecast)**
- The program has received applications for over 130 projects and approved over 80 of those projects thus far. The program has also been working with the City of Chicago and identified an additional 241 facilities with approximately 600 projects expected to come from these facilities.
- The program reduced the required size of HVAC unit from 5-tons to 3-tons to align with the TRM v5 and provide this service to additional clients.
- A large amount of outreach and numerous site visits, program applications, and project approvals were completed in Q2. These projects were leveraged to train trade allies on the program.

CLEAResult – Community-based CFL Distribution Program

Overview: The Community-based CFL Distribution Program provides ENERGY STAR® CFLs to food banks affiliated with Feeding America. The food banks then use their network of local food pantries to distribute the bulbs to utility customers in need may elect to receive a free 4-bulb pack.

- **6,878 MWh savings achieved (54% of forecast) based on 432,816 bulbs distributed**
- The program successfully executed participation agreements with 3 food banks, which have collectively signed up 616 participating food pantries.
- The program is trending positively with respect to the PY9 savings goal.

CLEAResult – Luminaire Level Lighting Control (LLLC) Program

Overview: The Luminaire Level Lighting Control Program provides Comprehensive lighting assessments and installation assistance targeting advanced LED lighting technologies including highbay, lowbay, troffers, and downlight fixtures and controls, delivered through a network of lighting Trade Allies.

- **453 MWh savings achieved (3% of forecast) based on 11 projects**
- There are currently 13 projects in the PY9 pipeline for potential savings of 746 MWh.
- Q2 was the first period of the program year where the program was in full implementation. The program successfully catalyzed the launch of several advanced lighting controls products into the market, trained technical service providers and manufacturers on the program, and saw the installation of its first projects.

Elevate Energy – Assisted Living and Senior Housing Program

Overview: Elevate Energy will provide a full-service energy efficiency program focused on identifying and implementing electric measures that support peak load reductions in senior housing and assisted living facilities.

- **65 MWh savings achieved (5% of forecast) based on 3 projects**
- The program has completed 24 assessments and has 26 buildings enrolled. Eight of those are currently scheduling projects for potential

IPA Programs – Third Party

Elevate Energy – Assisted Living and Senior Housing Program (continued)

savings of 210 MWh.

- Type C tubular LEDs were introduced to the measure mix.

Energy Resources Center – Low Income Kit Energy (LIKE) Program

Overview: The Low Income Kit Energy program partners with Community Actions Agencies to provide income-qualified customers throughout the ComEd service territory with a kit containing energy-saving devices and educational information on additional energy-saving actions they can take to reduce their energy bills.

- **1,169 MWh savings achieved (29% of forecast)**
- The program has delivered over 5,000 kits to single-family low income homes.
- Participants provided positive feedback, stating they would not have purchased energy efficient products on their own and were delighted to receive the products.

Energy Resources Center – Low Income Multi-family Energy Program

Overview: The Low Income Multi-Family Program provides comprehensive energy assessments and project management assistance for upgrades in privately-owned, federally-assisted public housing administered under HUD Section 8 (low-income), 811 (disabled), and 202 (elderly) and USDA Section 515 (rural single-family low-income). The program is delivered in partnership with the Building Research Council at the University of Illinois Urbana-Champaign. ERC engineers perform building energy audits and work with building owners to facilitate the selection of contractors performing building retrofits.

- **0 MWh savings achieved (0% of forecast)**
- Because the program is an extension of an existing DCEO program, it is currently operating under DCEO and is not expected to switch over to IPA TPEP funding until DCEO funding is fully depleted.

Franklin Energy Services – Rural Small Business Energy Efficiency Kits Program

Overview: The Rural Small Business Energy Efficiency Kits Program aims to cost effectively capture electric energy savings in small business facilities located in ComEd's rural counties. The program achieves savings through a mail-order kit of self-install energy efficiency measures including low cost lighting, power strip, and water efficiency measures delivered directly to customer facilities. The program is delivered in partnership with Resource Action Program, a Franklin subsidiary.

- **250 MWh savings achieved (20% of forecast) based on 710 kits**
- Targeted customers were to be engaged primarily through direct mail. Due to a poor response from mailers in September and October, the program shifted its focus to outbound calling. Approximately 70% of customers who accept the call order a kit.
- Participants have provided positive feedback.
 - "I think it's awesome that there are programs out there to help businesses conserve energy and help keep the environment clean."

GDS Associates – Agricultural Energy Efficiency Program (CoAg)

Overview: The Agricultural Energy Efficiency Program provides comprehensive energy assessments and installation assistance targeting measures for agricultural businesses. The program is delivered through local Trade Allies.

- **0 MWh savings achieved (0% of forecast)**
- The success of this program is directly correlated with the success of the agricultural market. As Illinois farmers continue to struggle financially, the appetite for investing in energy efficiency has been flat during this past quarter.

IPA Programs – Third Party

GDS Associates – Lit Signage

Overview: The Lit Signage Program provides lighting assessments and installation assistance targeting lit signage, including outdoor signs and billboards. The program is delivered through network of local Trade Allies.

- **172 MWh savings achieved (1% of forecast) based on 12 projects**
- The program is reaching new Trade Allies that have not participated or are currently not participating with other ComEd programs.
- There are currently 30 projects in the PY9 pipeline for potential savings of over 1,000 MWh.

Midwest Energy Efficiency Alliance (MEEA) – Savings Through Efficient Products (STEP)

Overview: Delivered in partnership with the Energy Resources Center at the University of Illinois Chicago and Green Home Experts, the STEP program provides walk through assessments to identify low cost measures which are shipped to facilities for self-installation. This program is an extension of MEEA's existing Department of Commerce and Economic Development STEP program. The IPA Third Party version of the program was approved as an additional source of funding in the event that the Department of Commerce budget is depleted by MEEA prior to end of program year.

- **0 MWh savings achieved (0% of forecast)**
- Because the program is an extension of an existing DCEO program, it is currently operating under DCEO and is not expected to switch over to IPA TPEP funding until DCEO funding is fully depleted.



Marketing Education & Awareness

PY9 General Outreach (2nd Quarter September - November)

- Participated in **22** energy efficiency events
- Interacted with approximately **3,346** customers
- Collected approximately **463** emails
- Drove **34,808** unique page visits to ComEd.com/HomeSavings

PY9 Fall Education and Awareness Campaign – In the Spotlight

Overview: The campaign is to promote awareness of the ComEd Energy Efficiency Program with a call to action to learn more about rebates on Energy Star® appliances at ComEd.com/HomeSaving

- Ran from August 15 – December 4th
- Included TV, Radio and Digital
- Generated 82,472,004 impressions campaign wide

PY9 Appliance Rebates – Celebrate with Rebates

Overview: The campaign is to promote awareness of Rebates from the ComEd Energy Efficiency Program with a call to action to learn more about rebates on Energy Star® appliances at ComEd.com/Rebates

- Ran from August 15 – December 4th
- Included Out of Home and Digital
- Generated 26,860,741 impressions campaign wide

PY9 Lighting Discounts – Light This Way

Overview: The campaign is to promote awareness of instant in-store lighting discounts available at a retailer near you with a call to action to learn more at ComEd.com/LightingDiscounts.

- Ran from August 15 – November 28th
- Included Out of Home, Radio and Digital
- Generated 52,430,578 impressions campaign wide

Marketing Education & Awareness

PY9 Fridge & Freezer Recycling – The \$150 Jar of Pickles

Overview: The campaign is to drive participation in fridge & freezer recycling, which has a PY9 goal of 45,000 pickups, with a call to action of ComEd.com/FridgeRecycling

- Ran from June 6 – September 30, 2016
- Included Bill Inserts, Out of Home, Digital/Mobile/Pre-Roll and Radio
- Generated 9,691,575 impressions campaign-wide

PY9 Fridge & Freezer Recycling – Lighten Your Load

Overview: The campaign is to drive participation in fridge & freezer recycling, which has a PY9 goal of 45,000 pickups, with a call to action of ComEd.com/FridgeRecycling

- Running from October 3, 2016 – January 1, 2017
- Includes Bill Inserts, Digital/Mobile and Radio
- Generated 12,660,937 impressions campaign-wide (so far)



Emerging Technology Activities

Mission: Introduce, assess and accelerate demonstration and commercialization into the ComEd service territory emerging cost-effective energy efficient technologies and services that have been verified to offer sustainable kWh and kW savings

Smart Meter Connected Devices Service (SMCD)

Overview: Customers are able to purchase smart devices directly from manufacturers and have their smart device connected or joined to their smart meter to receive near real-time energy data. Primary customer benefits include increased cost awareness of electric energy consumption, potentially reduced electric energy use due to behavioral changes, and the flexibility to choose a desired smart meter connected device.

- Service Launch: December 2014
- Target Customer: ComEd residential customers with smart meters
- 353 customers have been successfully commissioned into the SMCD service.

Bidgely

Overview: Residential Smart Meter data disaggregation tool to assist residential customers in understanding where their energy use is occurring and how they can take control of it.

- Type of Test: In field testing to 5,000 homes using Bidgely Gateway or SilverLink network
- Estimated Completion Date: 2016

Root3

Overview: Root3 is a cloud based energy data model that works with existing energy management systems and evaluates variables such as thermal and electric loads, energy prices, equipment efficiencies, and energy storage capacity for understanding site performance and making recommendations that will optimize performance. ComEd along with the Root3 Technologies vendor will engage the ComEd Industrial Outreach Team to enlist four industrial

Emerging Technology Activities

Root3 (continued)

central plant customers for participation in this one year pilot and will then will then evaluate the technology's ability to deliver energy savings for the portfolio and determine the appropriate channel.

- **101 MWh savings achieved based on 1 site**
- Estimated Completion Date: Q4 2016
- Root3 software was successfully installed in one location, with one more location in process of having it installed.
- The savings methodology is currently being discussed with Navigant and will need to be agreed upon.
- Difficulty in having the software installed and data flow from the site to Root3 is a challenge as Root3 works with the site's IT staff.

Variable Refrigerant Flow (VRF)

Overview: Evaluation of HVAC technology that uses refrigerant as both the heating and cooling medium

- Type of Test: Demonstration of technology was the original intention, but focus has changed to a market evaluation and technical review.

Portfolio Results

EEPS Energy Saved (MWh)

Program Year	Evaluation Status	Net MWh Achieved	Net MWh Goal	% of Goal Achieved
PY1	Ex Post	163,717	148,842	110%
PY2	Ex Post	472,132	312,339	151%
PY3	Ex Post	626,715	458,919	137%
PY4	Ex Post	944,142	610,804	155%
PY5	Ex Post	949,392	827,575	115%
PY6	Ex Post	986,314	787,432	125%
PY7	Ex Post	809,878	648,029	125%
PY8	Ex Ante	618,058	541,983	114%
PY9	Ex Ante	154,938	517,369	30%

IPA – ComEd Energy Saved (MWh)

Program Year	Evaluation Status	Net MWh Achieved	Net MWh Goal	% of Goal Achieved
PY6	Ex Post	127,938	98,188	130%
PY7	Ex Post	310,647	371,825	84%
PY8	Ex Ante	635,227	623,523	102%
PY9	Ex Ante	285,668	747,012	38%

IPA – Third Party Energy Saved (MWh)

Program Year	Evaluation Status	Net MWh Achieved	Net MWh Goal	% of Goal Achieved
PY6	Ex Post	4,397	11,229	39%
PY7	Ex Post	2,132	16,041	13%
PY8	Ex Ante	12,377	48,056	26%
PY9	Ex Ante	16,587	136,515	12%

DCEO Energy Saved (MWh)

DCEO	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9
ComEd Goal	39,887	81,352	125,158	109,198	114,634	115,258	97,625	98,810	98,811
Net MWh	17,714	34,075	54,130	106,475	99,583	80,782	80,453	N/A	N/A

ComEd Environmental and Economic Impact

Performance Metrics (Equivalents)	PY9 Q2	PY8	PY7	PY6	PY5	PY4	PY3	PY2	PY1
Net MWh	457,193	1,265,662	1,122,657	1,118,649	949,392	944,142	626,715	472,132	163,717
Carbon reduction (tons)	287,504	795,906	705,978	703,457	597,021	593,719	394,107	296,898	102,953
Cars removed from the road	60,527	167,558	148,626	148,096	125,688	124,993	82,969	62,505	21,674
Acres of trees planted	235,659	652,382	578,670	576,604	489,362	486,655	323,038	243,359	84,387
Number of homes powered for 1 year*	49,803	137,872	122,294	121,857	103,420	102,848	68,270	51,431	17,834
Portfolio jobs**	321	267	260	234	196	179	154	84	66

* Assumes average ComEd single-family residential home with no electric space heat consumes 765 kWh monthly or 9,180 kWh annually per the filing.

** Portfolio Jobs reflect actual positions by ComEd and its contractors that are part of the Rider EDA and does not attempt to capture indirect jobs in the energy efficiency industry that may result from the ComEd portfolio.

Budget v. Actual

Expenditures

Expenditures	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9
EEPS*	\$ 27,356,150	\$ 52,071,861	\$ 75,691,133	\$ 106,673,405	\$ 107,354,964	\$ 124,096,016	\$ 128,249,370	\$ 108,811,809	\$ 49,627,157
IPA	\$ -	\$ -	\$ -	\$ -	\$ 31,329	\$ 29,469,183	\$ 39,150,327	\$ 86,823,029	\$ 34,957,482
DCEO	\$ 6,949,809	\$ 11,471,616	\$ 28,659,011	\$ 35,049,987	\$ 33,565,649	\$ 31,563,417	\$ 33,728,435	\$ 22,464,619	\$ 22,635,853
Total	\$ 34,305,960	\$ 63,543,477	\$ 104,350,144	\$ 141,723,392	\$ 140,951,943	\$ 185,128,616	\$ 201,128,132	\$ 218,099,457	\$ 107,220,492

EEPS*	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9
Plan Budget	\$ 29,900,000	\$ 61,778,000	\$ 95,911,000	\$ 120,943,446	\$ 121,570,242	\$ 122,075,407	\$ 117,750,001	\$ 119,175,004	\$ 119,699,999
Spending Screen	\$ 29,900,000	\$ 60,056,000	\$ 91,811,022	\$ 120,312,967	\$ 119,271,119	\$ 116,765,205	\$ 117,900,001	\$ 119,151,480	\$ 119,739,377
Actual YTD	\$ 27,356,150	\$ 52,071,861	\$ 75,691,133	\$ 106,673,405	\$ 107,354,964	\$ 124,096,016	\$ 128,249,370	\$ 108,811,809	\$ 49,627,157

IPA ComEd	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9
Plan Budget						\$ 29,100,998	\$ 41,388,847	\$ 95,003,275	\$ 105,078,389
Spending Screen						\$ 29,100,998	\$ 41,388,847	\$ 95,003,275	\$ 105,078,389
Actual YTD						\$ 28,071,420	\$ 38,070,511	\$ 82,440,854	\$ 31,404,118

IPA Third Party	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9
Plan Budget					\$ -	\$ 2,311,495	\$ 3,433,444	\$ 10,625,929	\$ 31,692,790
Spending Screen					\$ -	\$ 2,311,495	\$ 3,433,444	\$ 9,549,229	\$ 29,784,570
Actual YTD					\$ 31,329	\$ 1,397,763	\$ 1,079,816	\$ 4,382,175	\$ 3,553,363

DCEO	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9
Plan Budget	\$ 9,500,000	\$ 19,783,000	\$ 30,724,000	\$ 40,039,149	\$ 40,523,414	\$ 40,691,802	\$ 39,250,000	\$ 39,675,000	\$ 39,850,000
Spending Screen	\$ 9,500,000	\$ 19,200,000	\$ 29,270,150	\$ 39,522,619	\$ 39,703,706	\$ 38,871,735	\$ 39,250,000	\$ 39,675,000	\$ 39,850,000
Actual YTD	\$ 6,949,809	\$ 11,471,616	\$ 28,659,011	\$ 35,049,987	\$ 33,565,649	\$ 31,563,417	\$ 33,728,435	\$ 22,464,619	\$ 22,635,853

*EEPS Expenditures

EEPS Expenditures	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9 Q2 YTD
C&I Programs	\$ 12,093,550	\$ 23,957,908	\$ 35,764,723	\$ 54,033,210	\$ 55,573,971	\$ 74,531,783	\$ 78,936,840	\$ 67,153,692	\$ 23,720,643
Residential Programs	\$ 8,808,641	\$ 19,881,908	\$ 27,853,019	\$ 36,334,199	\$ 34,792,236	\$ 34,302,783	\$ 33,139,184	\$ 26,083,922	\$ 16,524,689
Third Party Programs	\$ -	\$ -	\$ -	\$ 1,039,262	\$ -	\$ 372,642	\$ -	\$ -	\$ -
Demand Response	\$ 476,028	\$ 819,145	\$ 1,083,329	\$ 1,310,922	\$ 1,253,218	\$ 1,197,008	\$ 1,120,771	\$ 1,071,037	\$ 801,920
Education/Marketing	\$ 1,685,307	\$ 1,649,418	\$ 2,957,998	\$ 4,498,945	\$ 4,409,895	\$ 4,133,504	\$ 4,447,934	\$ 4,385,309	\$ 2,773,790
R&D/Emerging Tech	\$ 628,267	\$ 1,026,174	\$ 1,387,102	\$ 974,156	\$ 1,142,049	\$ 1,849,544	\$ 1,613,561	\$ 1,428,572	\$ 520,651
Portfolio Admin	\$ 2,464,359	\$ 2,359,629	\$ 2,959,915	\$ 2,002,949	\$ 3,478,203	\$ 1,576,545	\$ 976,472	\$ 1,239,040	\$ 705,181
Labor	\$ -	\$ -	\$ -	\$ 2,749,232	\$ 3,214,657	\$ 1,927,888	\$ 4,682,625	\$ 3,299,894	\$ 2,010,207
M&V	\$ 1,200,000	\$ 2,377,679	\$ 3,621,029	\$ 3,557,036	\$ 3,262,259	\$ 4,071,757	\$ 3,221,247	\$ 4,051,362	\$ 2,524,251
On-Bill Financing	\$ -	\$ -	\$ 64,018	\$ 173,494	\$ 228,477	\$ 132,562	\$ 110,736	\$ 98,979	\$ 45,825
Total	\$ 27,356,150	\$ 52,071,861	\$ 75,691,133	\$ 106,673,405	\$ 107,354,964	\$ 124,096,016	\$ 128,249,370	\$ 108,811,809	\$ 49,627,157

Total Resource Cost (TRC)

New Measure TRC

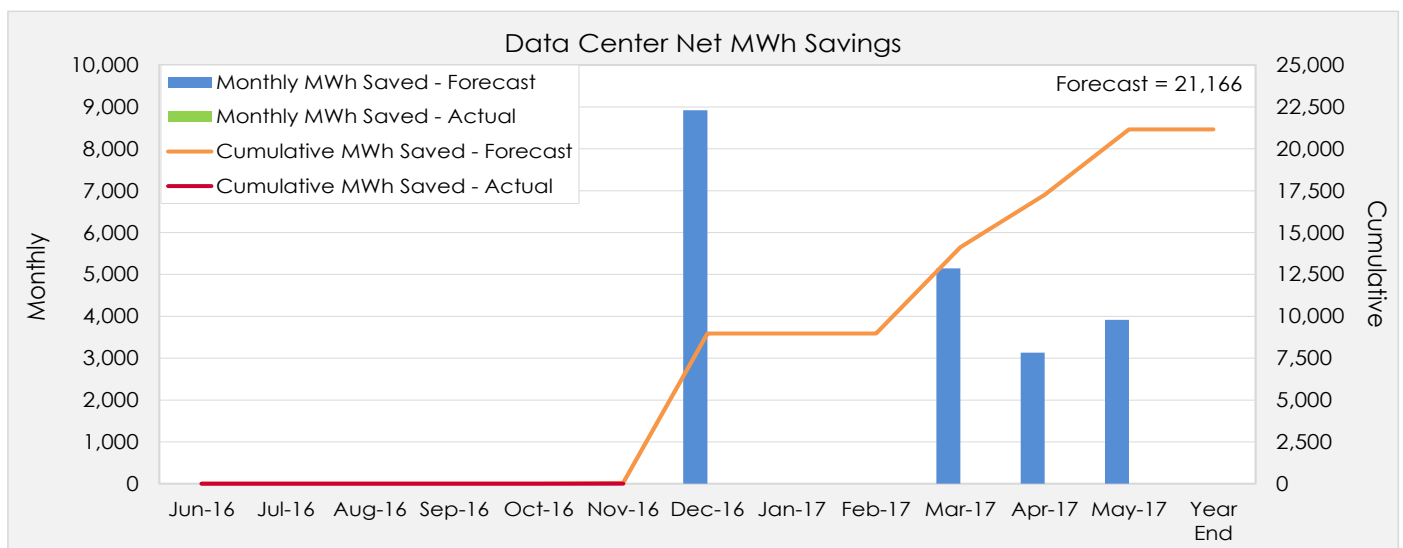
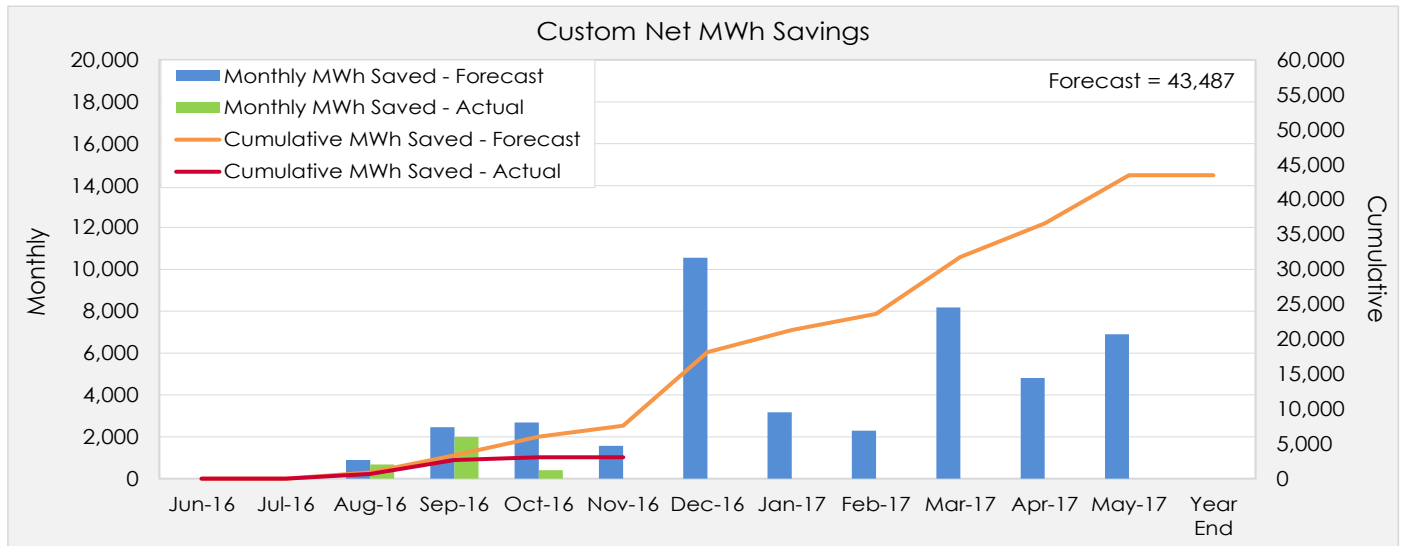
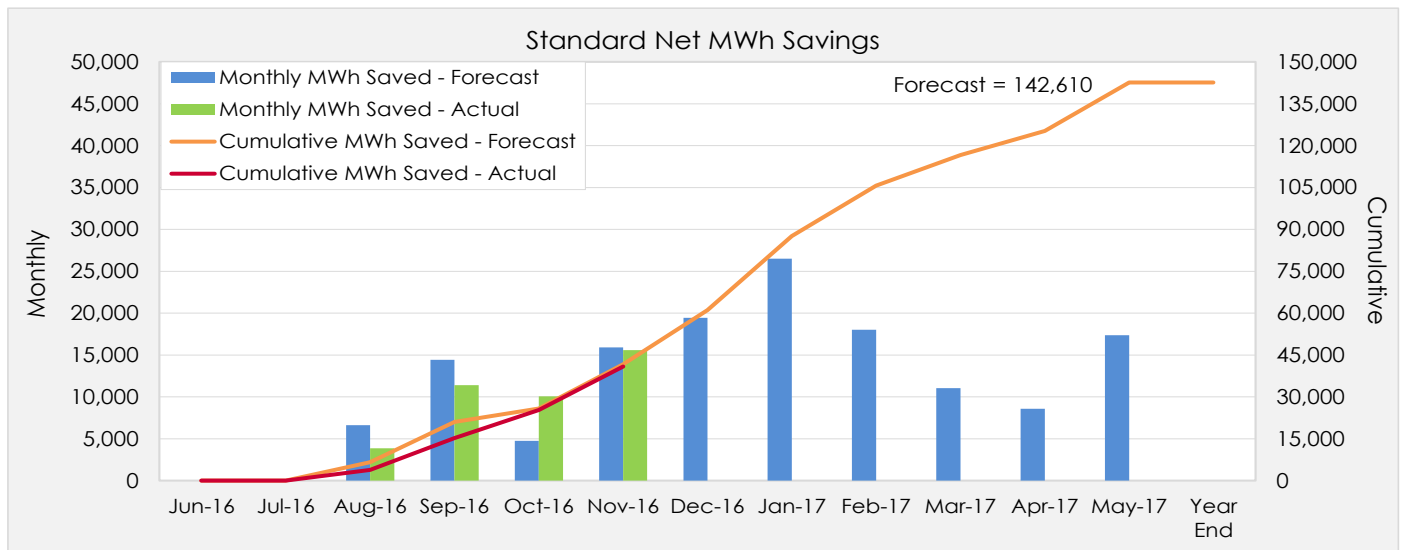
Measure	TRC
C&I	
Heat of Compression Desiccant Air Dryers	0.83
Heated Desiccant Dryer w-VSD Compressor	3.23
Heated Desiccant Dryer w-Load-No-load Compressor	1.22
Heated Desiccant Dryer w-Variable Displacement Compressor	1.87
Blower Purge Desiccant Dryer w-VSD Compressor	3.36
Blower Purge Desiccant Dryer w-Load-No-load Compressor	1.72
Blower Purge Desiccant Dryer w-Variable Displacement Dryer	2.24
Variable Displacement Screw Air Compressors	1.63
Compressed Air Pressure Flow Controllers	3.04
Conversion of DC Drives in Plastic Extruders to AC Drives	5.19
Fiber Laser Cutting Machines	7.52
All Electric Injection Molding Machine	4.59
Hybrid Injection Molding Machine	9.66
Automatic High-Speed Doors for Freezer-Cooler	6.82
Automatic High-Speed Doors for Freezer-Dock	13.85
Automatic High-Speed Doors for Cooler-Dock	1.47
Storage Water Heater	0.67
ENERGY STAR® Dishwasher - Under Counter	3.75
ENERGY STAR® Dishwasher - Single Tank	Infinity
ENERGY STAR® Dishwasher - Multi Tank	13.68
Small Business-Smart Thermostat - Continuous Fan Mode During Occupied Period-Commercial	1.07
Small Business-Smart Thermostat - Intermittent Fan Mode During Occupied Period-Commercial	0.08
Residential	
ENERGY STAR® Bathroom Exhaust Fan	1.61
ECM Furnace Motor*	7.35
ENERGY STAR® Pool Pumps - Variable**	4.71
ENERGY STAR® Room Window AC***	0.44
Advanced Power Strip - Tier 2	2.05
ENERGY STAR® Water Coolers	3.16

* This measure was added in PY8.

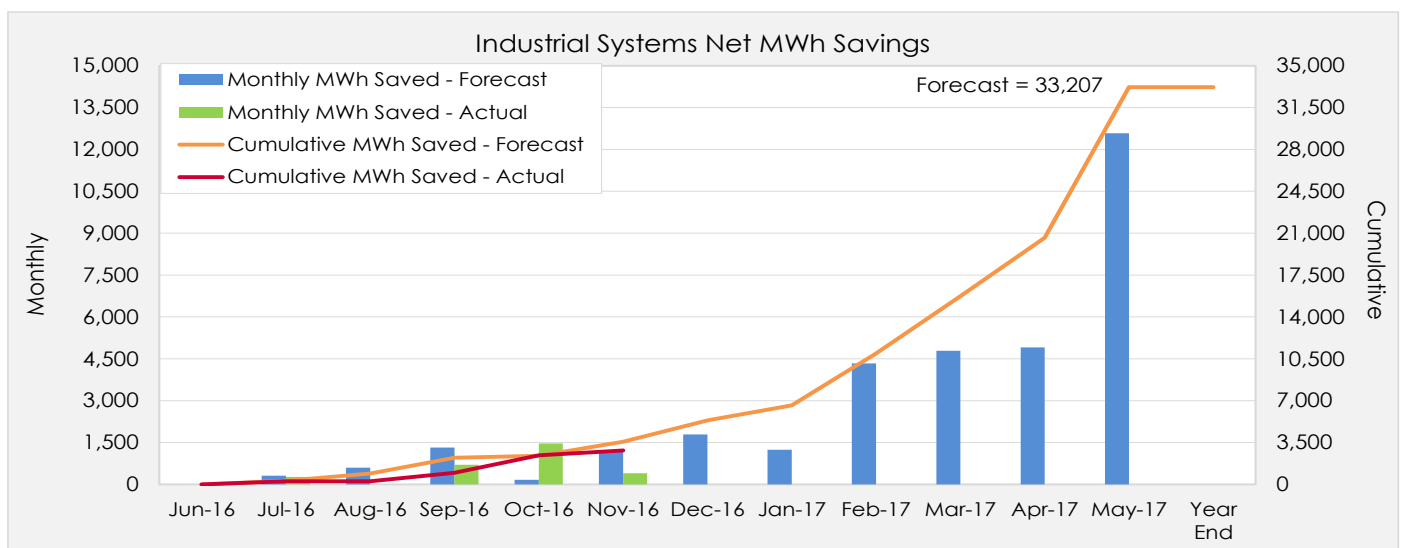
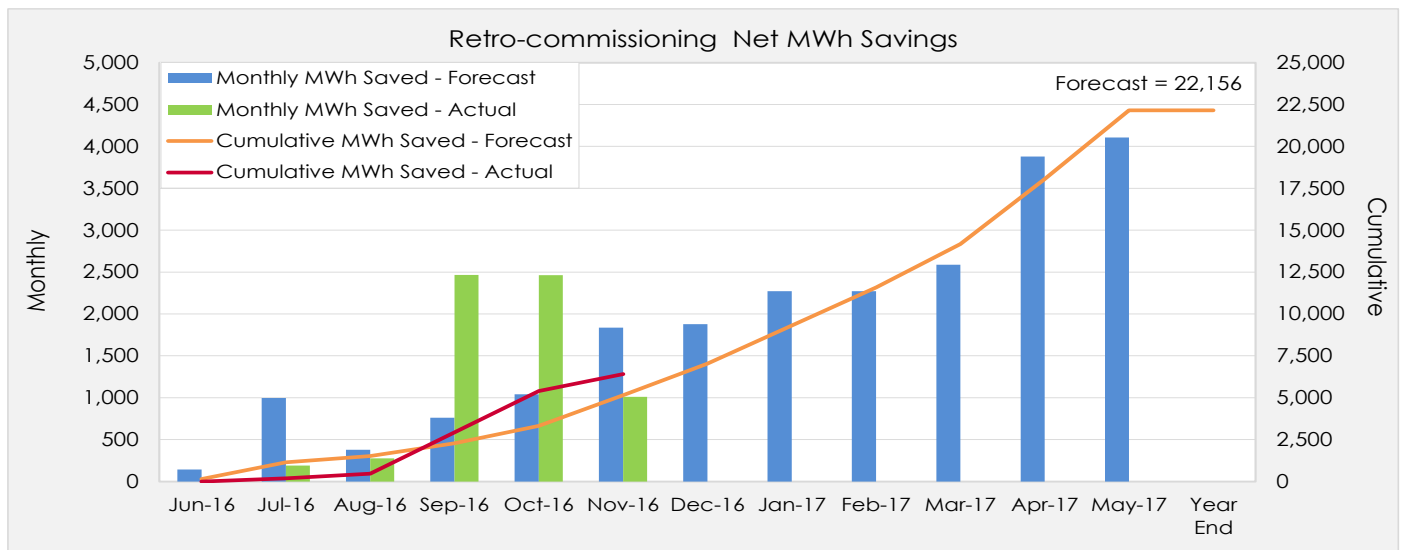
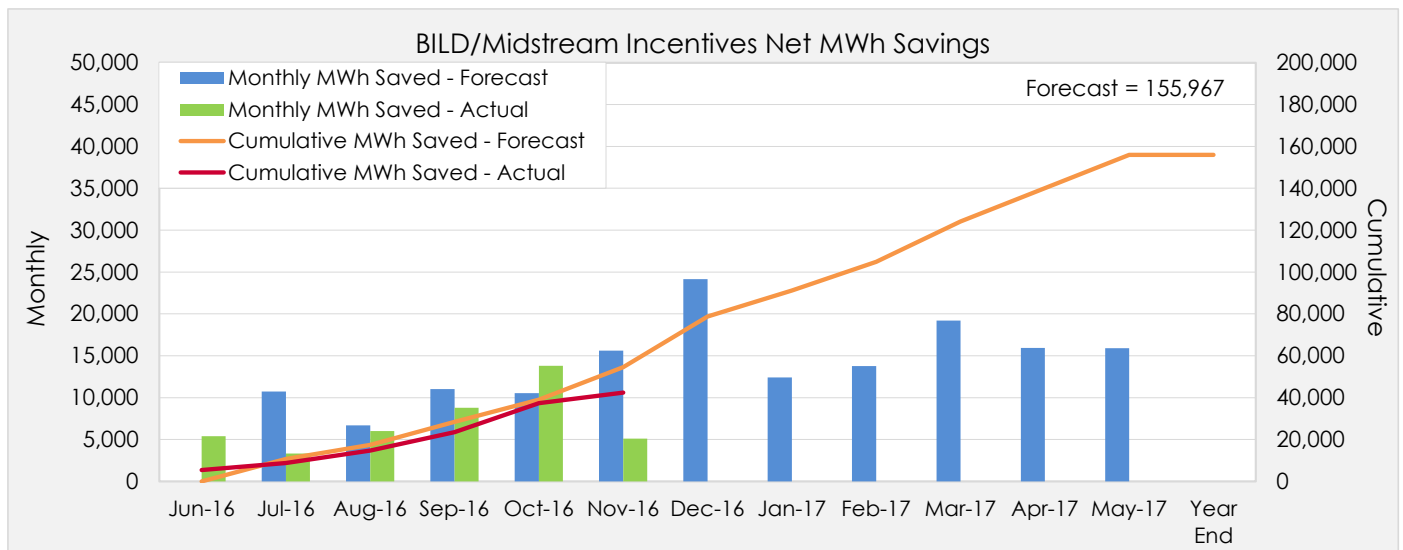
** This is a PY9 addition that was implemented at the end of PY8 for seasonal reasons.

*** Even though this measure has a TRC of less than 1, It was added to portfolio at the request of SAG so parties otherwise unable to participate in a program can participate (i.e., low income participants).

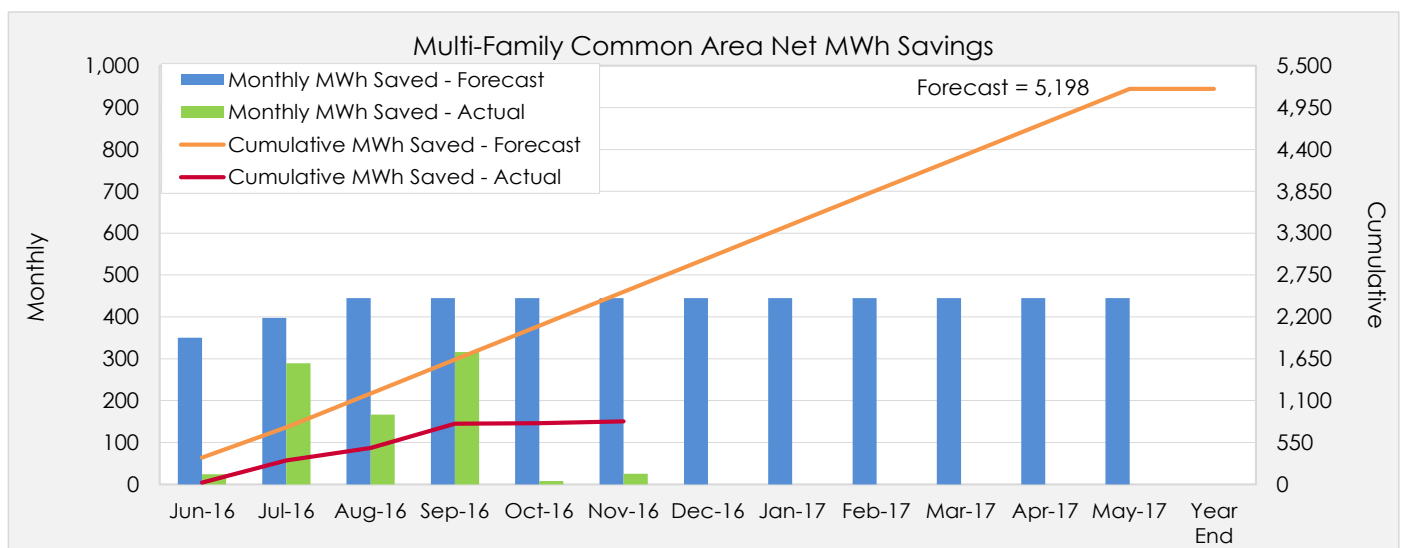
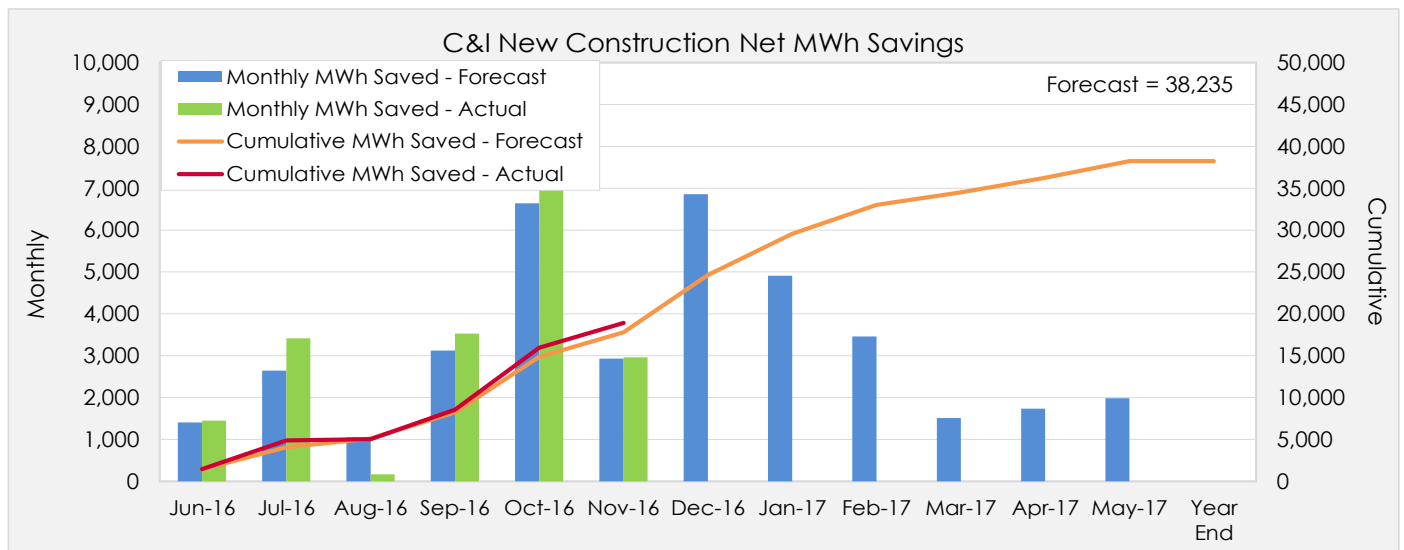
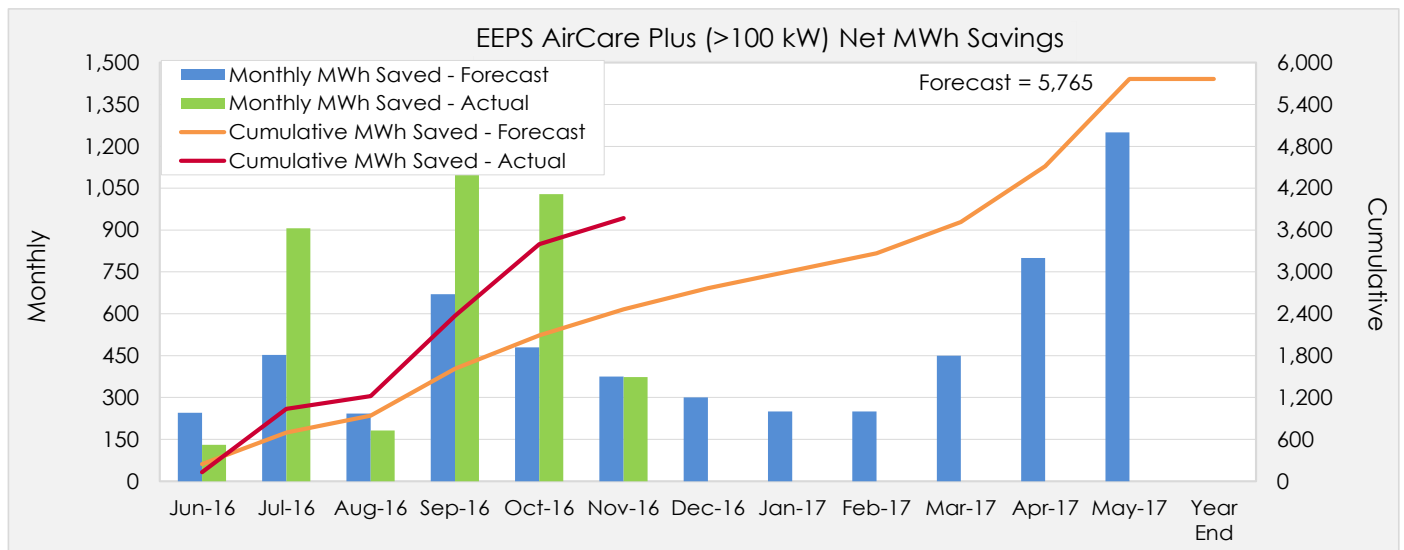
EEPS Programs – Business – Monthly



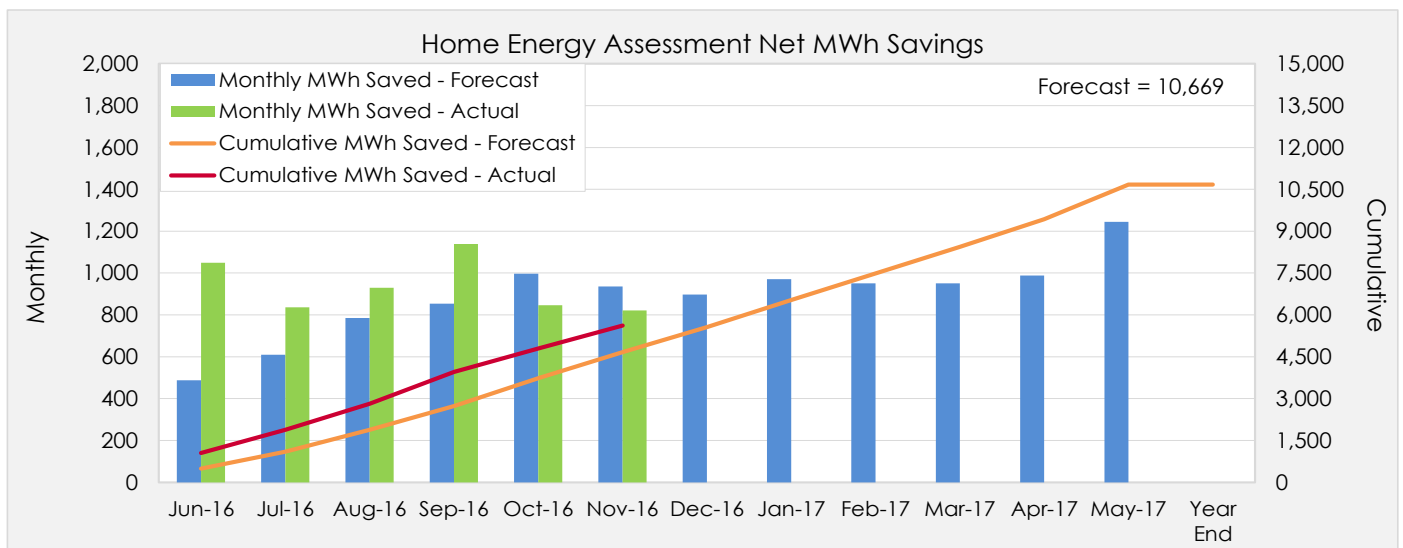
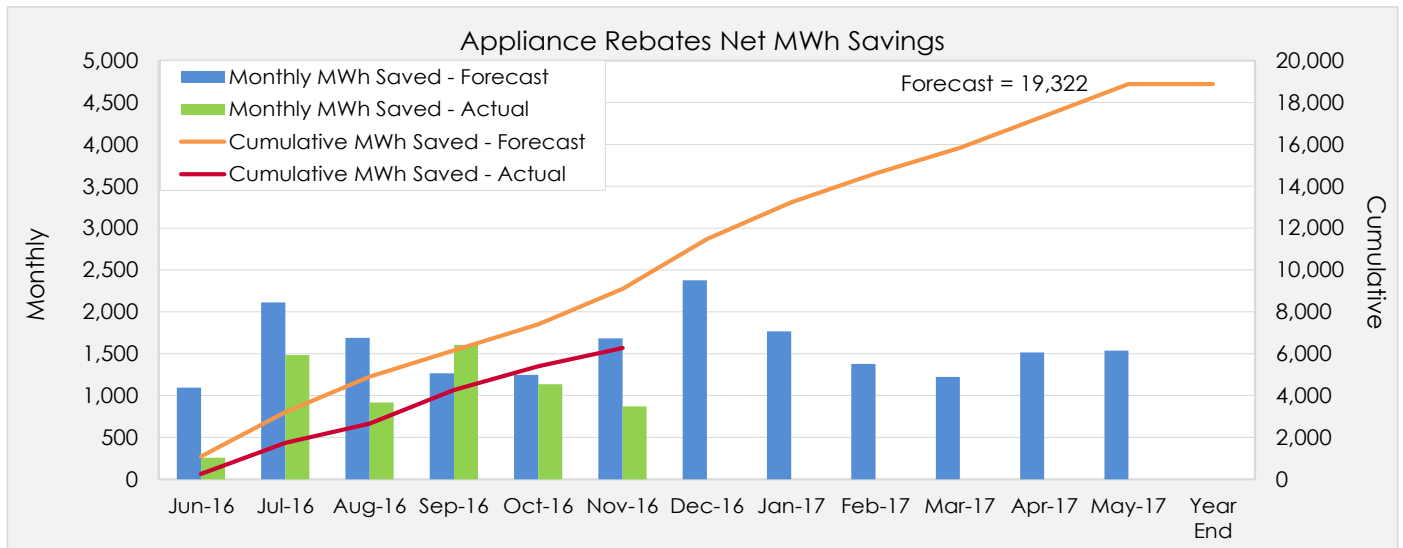
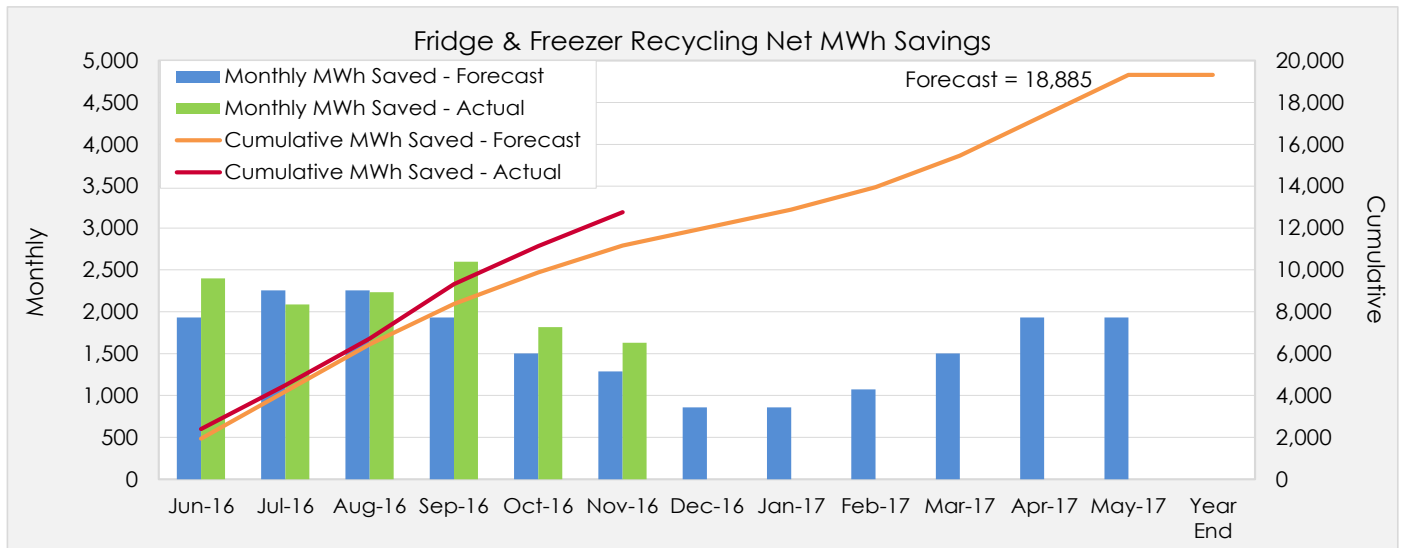
EEPS Programs – Business – Monthly



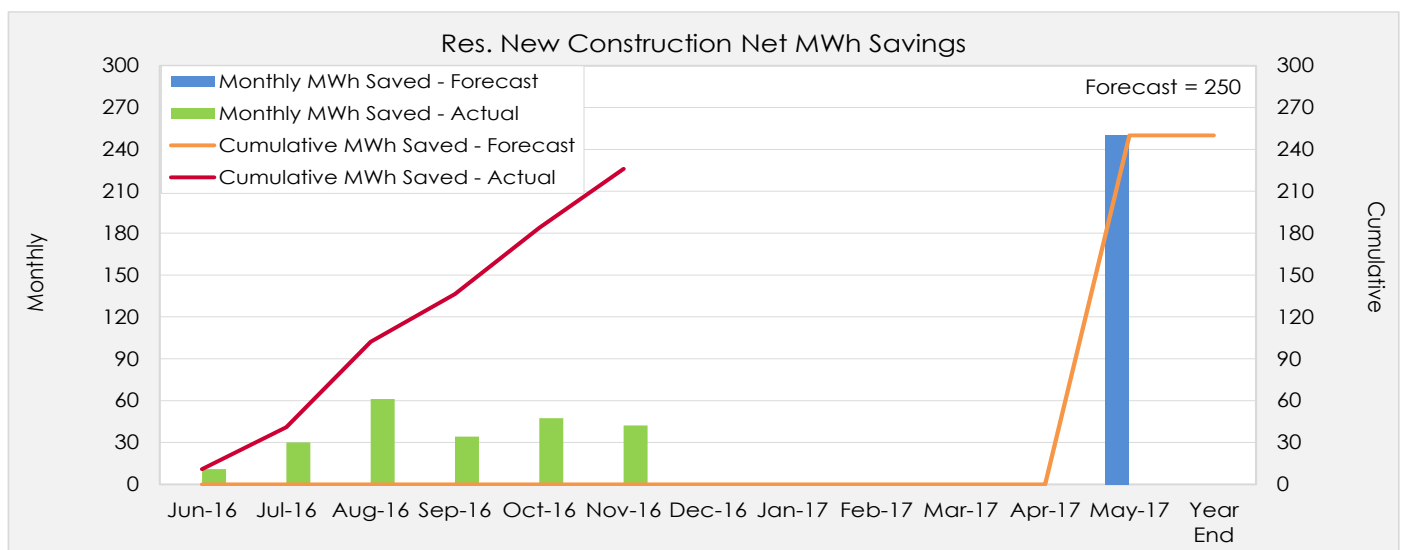
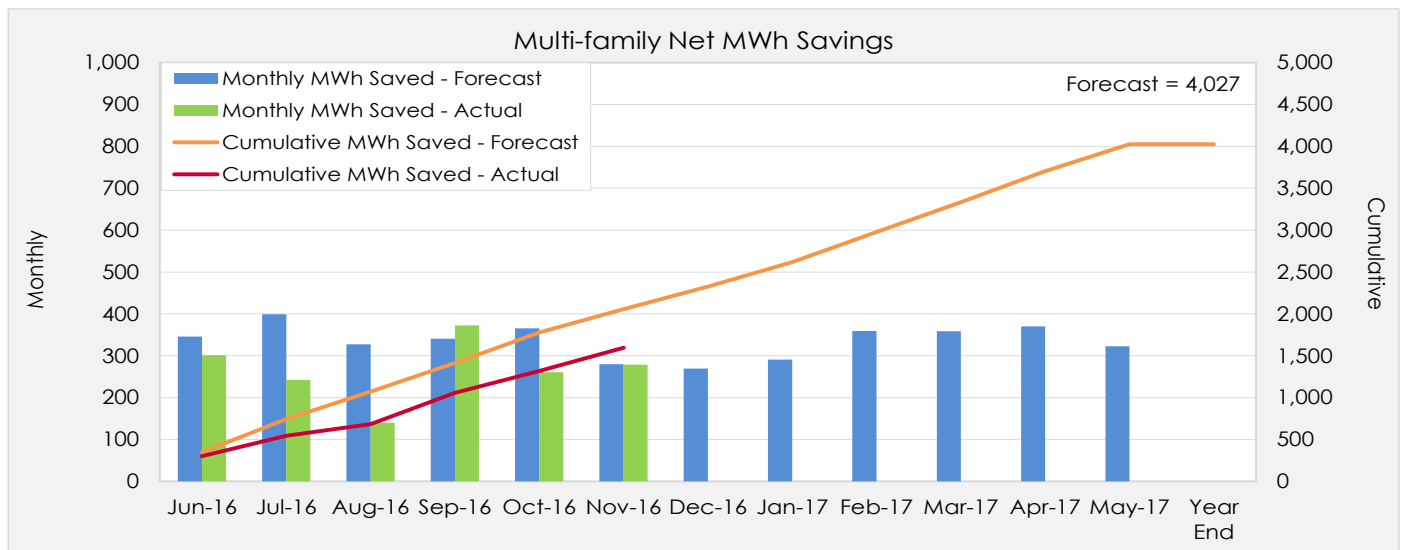
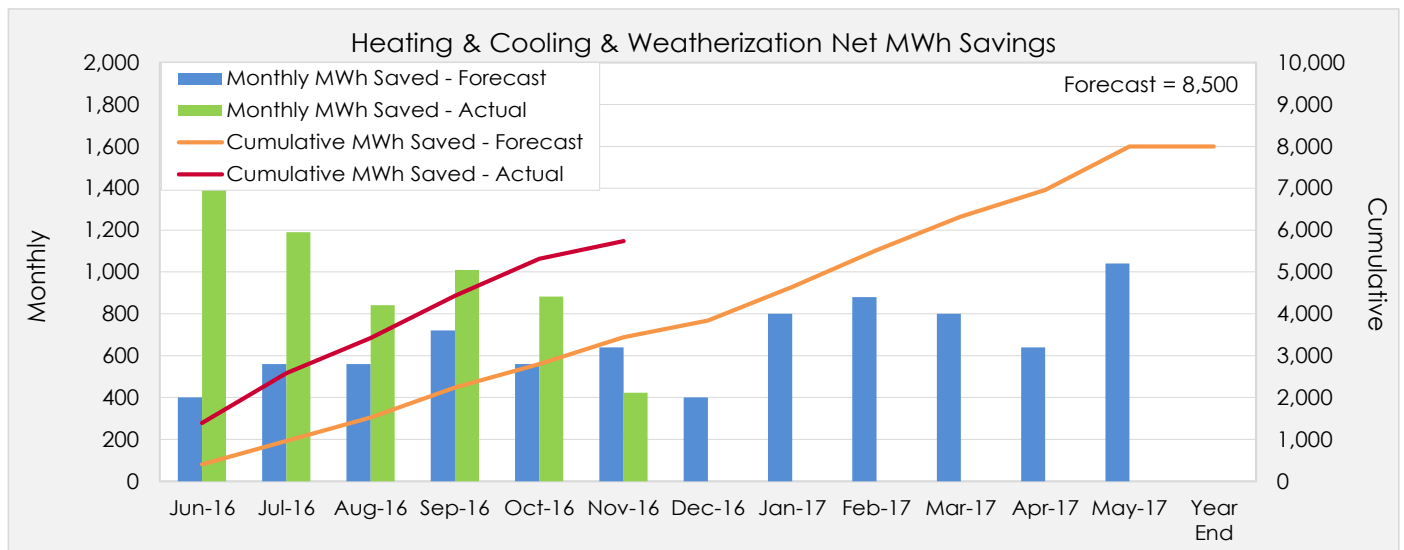
EEPS Programs – Business – Monthly



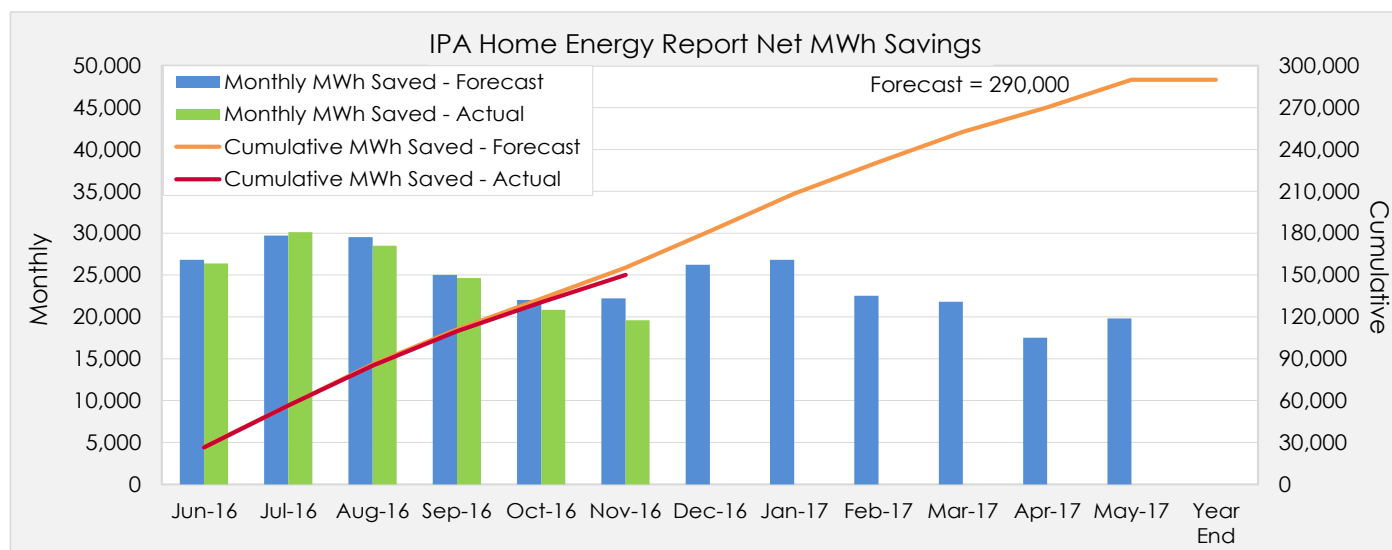
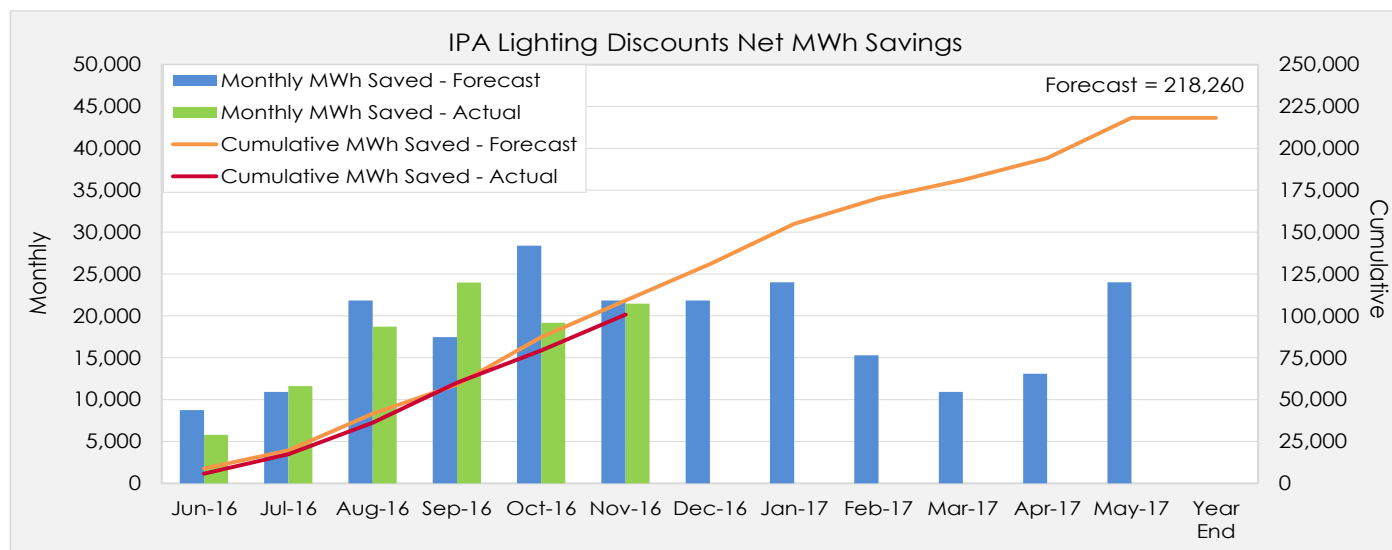
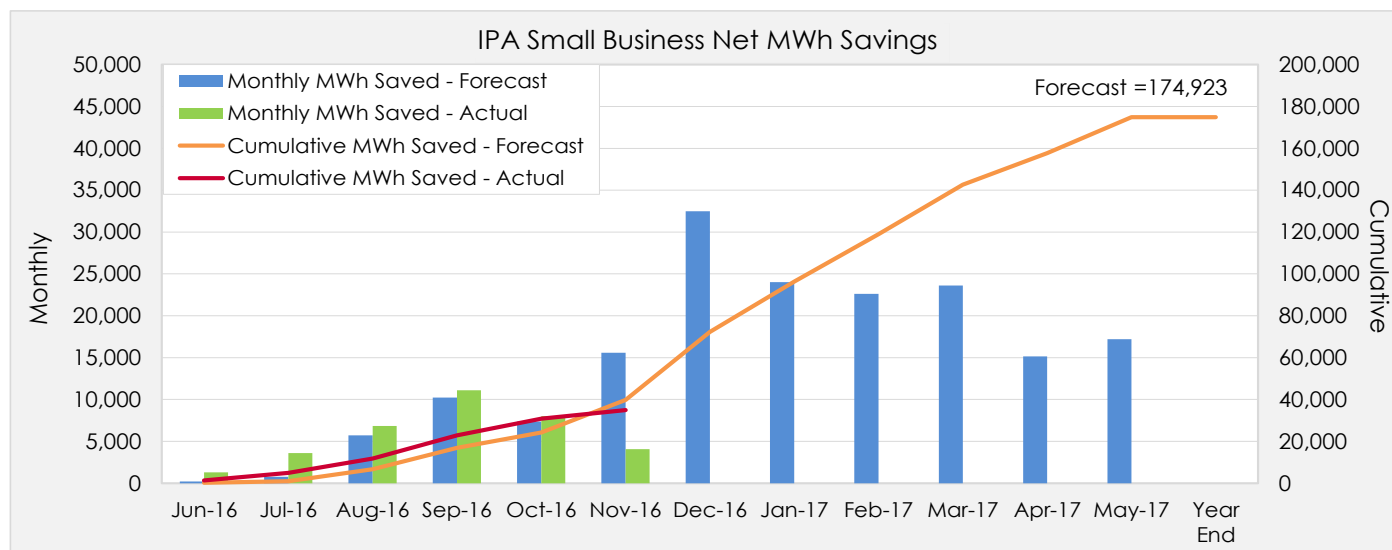
EEPS Programs – Residential – Monthly



EEPS Programs – Residential – Monthly



IPA Programs – ComEd – Monthly



IPA Programs – ComEd – Monthly

