

ComEd
Energy Efficiency Program

**Plan Year 9
Third 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
\$2.4 billion
on their electric bills



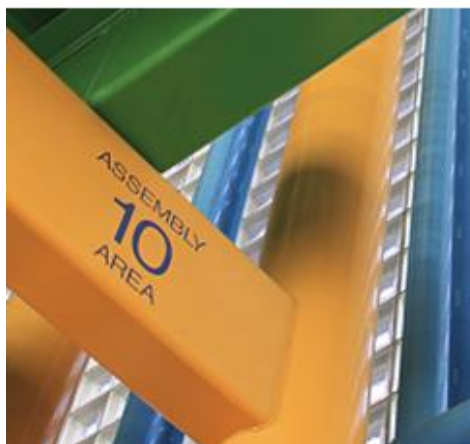
99.7 million
efficient bulbs sold



Enough MWh to power
2.4 million
homes for one year

31 billion
pounds of CO₂ reduced

22.3 million
net MWh saved



More than
\$515 million
in incentives provided



Based on lifetime MWh savings through PY9 Q3



Quarterly Program Highlights

EEPS Business Programs

- Through Q3, EEPS business programs have achieved 51% of their combined PY9 forecast of 472,641 MWh.
- Over 1,300 EEPS business projects were completed in Q3.
- Approximately 25 new projects have been generated through the efforts of an RCx Building Tune Up calling campaign.
- The C&I New Construction program accepted 25 new projects in Q3, of which 9 were Expedited Assistance, and 4 were Accelerated Performance projects.
- The AirCare Plus program now offers Trade Allies a \$150 bonus to accurately forecast project completion within two weeks.

EEPS Residential Programs

- Through Q3, EEPS residential programs have achieved 93% of their combined PY9 forecast of 64,224 MWh.
- Customers received over 45,000 rebates, recycled over 10,000 appliances, and received over 8,500 assessments in Q3.
- ComEd has collected and responsibly recycled more than 325,000 refrigerators and freezers since we began to offer this service to our customers in June 2008.
- A single-family low-income pilot with Peoples Gas was launched with a goal of completing 150 projects consisting of weatherization and direct-install measures in bungalow style homes. Further reporting to follow in Q4.

IPA Programs

- IPA programs achieved 64% of their combined PY9 forecast of 845,797 MWh.
- The Small Business Energy Savings program provided energy-saving products to over 2,000 customers in Q3.
- The Lighting Discounts program phased out CFL incentives in most participating retail stores, and is planning a full exit from the CFL market by March 31st.
- A new Personal Tracker module, which tracks a customer's usage progress compared to the previous year, was added to the email Home Energy Report.

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)	108,728	195,831	207,262	56%	52%	\$ 22,473	\$ 32,900	68%
Standard	95,071		142,610		67%			
Custom	5,362		43,487		12%			
Data Center	8,295		21,166		39%			
Optimization Total	25,254	97,831	63,479	26%	40%	\$ 8,260	\$ 16,500	50%
Retro-Commissioning	9,160		22,156		41%	\$ 3,603	\$ 7,500	48%
AirCare Plus (>100 kW)	7,454		5,765		129%	\$ 830	\$ -	N/A
Industrial Systems	7,631		33,207		23%	\$ 3,089	\$ 9,000	34%
Operational Savings	1,009		2,351		43%	\$ 738	\$ -	N/A
Strategic Energy Management Pilot	0		2,500		0%	\$ 200	\$ -	N/A
BILD/Midstream Incentives	73,460	123,170	155,967	60%	47%	\$ 3,952	\$ 8,056	49%
New Construction	33,865	16,535	38,235	205%	89%	\$ 7,426	\$ 10,000	74%
Multi-Family Common Area	1,931	4,000	5,198	48%	37%	\$ 410	\$ 1,000	41%
C&I General						\$ 1,564	\$ -	
C&I Subtotal	243,238	437,367	472,641	56%	51%	\$ 44,285	\$ 68,456	65%
Fridge & Freezer Recycling	17,576	9,103	19,322	193%	91%	\$ 5,929	\$ 8,701	68%
Appliance Rebates	14,207	29,450	18,885	48%	75%	\$ 7,712	\$ 6,686	115%
Home Energy Assessment	11,724	7,407	10,669	158%	110%	\$ 4,312	\$ 5,745	75%
Heating & Cooling	8,701	7,590	8,000	115%	109%	\$ 4,014	\$ 9,638	42%
Weatherization	677	N/A	500	N/A	135%	\$ 695	\$ -	N/A
Multi-Family	2,582	4,838	4,027	53%	64%	\$ 1,443	\$ 1,925	75%
Elementary Energy Education	3,546	567	2,571	625%	138%	\$ 434	\$ 233	186%
New Construction	409	15	250	2725%	164%	\$ 245	\$ 265	93%
Direct to Consumer Kit		4,930	0				\$ -	
Residential General						\$ 1,203	\$ -	
Residential Subtotal	59,422	63,900	64,224	93%	93%	\$ 25,988	\$ 33,193	78%
R&D/Emerging Tech	101	0	0			\$ 855	\$ 3,587	24%
Lighting Carryover	41,714	16,102	45,150	259%	92%			
EEPS Program Total	344,475	517,369	582,015	67%	59%	\$ 71,127	\$ 105,235	68%
IPA Program Total	540,465	883,527	845,797	61%	64%	\$ 64,870	\$ 134,863	48%
EEPS and IPA Program Total	884,940	1,400,896	1,427,812	63%	62%	\$ 135,997	\$ 240,098	57%

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	177,671	217,565	218,260	82%	81%	\$ 23,513	\$ 37,123	63%
Home Energy Report	222,400	351,498	290,000	63%	77%	\$ 6,569	\$ 13,856	47%
Small Business Energy Savings	93,101	167,000	174,923	56%	53%	\$ 28,592	\$ 45,891	62%
LED Streetlighting	515	10,949	10,945	5%	5%	\$ 791	\$ 8,208	10%
Lighting Carryover	20,756	0	33,000					
IPA ComEd Subtotal	514,442	747,012	727,128	69%	71%	\$ 59,465	\$ 105,078	57%
Accelerate Group - CUB Energy Saver	0	17,910	17,910	0%	0%	\$ -	\$ 775	0%
Elevate Energy - Chicago MF Retrofit	975	1,828	1,683	53%	58%	\$ 303	\$ 577	52%
Shelton Solutions - Energy Stewards	0	850	0	0%	N/A	\$ -	\$ 139	0%
National Theatre for Children - Kits	1,168	1,220	1,229	96%	95%	\$ 532	\$ 625	85.1%
CLEARresult - CFL Distribution	9,990	14,721	12,713	68%	79%	\$ 977	\$ 1,330	73%
ERC - Low-Income Kits	3,208	4,103	3,996	78%	80%	\$ 780	\$ 1,439	54%
ERC - Low-Income Multi-Family	0	6,520	6,518	0%	0%	\$ -	\$ 2,168	0%
CLEARresult - School Energy Savings	423	4,310	3,850	10%	11%	\$ 134	\$ 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%
CLEARresult - LLLC	777	17,216	13,457	5%	6%	\$ 264	\$ 5,101	5%
Elevate Energy - Assisted & Sr. Housing	224	1,188	1,188	19%	19%	\$ 145	\$ 626	23%
Franklin - Rural Small Business EE Kits	980	1,234	1,234	79%	79%	\$ 417	\$ 583	72%
GDS Associates - Agricultural EE	36	1,220	1,299	3%	3%	\$ 2	\$ 367	1%
GDS Associates - Lit Signage	1,034	14,624	14,453	7%	7%	\$ 379	\$ 3,700	10%
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%
CLEARresult - AirCare Plus (<100 kW)	5,978	10,962	7,171	55%	83%	\$ 1,349	\$ 3,146	43%
Weidt Group - New Construction SBO	608	4,213	1,860	14%	33%	\$ 18	\$ 1,075	1.7%
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	26,023	136,515	118,669	19%	22%	\$ 5,405	\$ 29,785	18%
IPA Program Total	540,465	883,527	845,797	61%	64%	\$ 64,870	\$ 134,863	48%
EEPS Program Total	344,475	517,369	582,015	67%	59%	\$ 71,127	\$ 105,235	68%
EEPS and IPA Program Total	884,940	1,400,896	1,427,812	63%	62%	\$ 135,997	\$ 240,098	57%



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.

- **95,071 MWh savings achieved (67% of forecast) based on 1,638 projects**
- Pre-application inflow continues to be strong, and the program is on track to achieve the PY9 savings goals.
- The program showed an increase in project payments again in Q3, and the program is expected to continue this strong performance throughout the rest of 2017.
- New industrial-focused measures and offerings are not achieving the anticipated participation for PY9, but focused outreach efforts are being used on these measures to increase participation for particular offerings such as comprehensive savings.
- There are over 1,000 projects in the PY9 pipeline for potential savings of more than 135,000 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.

- **5,362 MWh savings achieved (12% of forecast) based on 21 projects**
- Program activity described above for the

Custom (continued)

Standard program has similarly affected the Customer program.

- There currently are potential savings of over 65,000 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.

- **8,295 MWh savings achieved (39% of forecast) based on 8 projects**
- Keeping a fairly linear payment pace throughout the year and meeting forecasted goals has yielded greater financial predictability.
- The program remains strong across a large band of customers, with substantial short and long term pipelines. There currently are potential savings of over 17,000 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, tubular LED lamps, 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.

- **73,460 MWh savings achieved (47% of**

forecast) based on 655,591 products sold

- 522,798 LEDs sold
- 132,704 LFLs sold
- 89 battery chargers sold
- The program is reviewing feedback from participating distributors and performing market research to increase participation and integrity of the program.

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.

- **9,160 MWh savings achieved (41% of forecast) based on 31 projects**
 - 2 monitoring-based commissioning (MBCx) project completed
 - 22 RCx Building Tune-Up (buildings less than 150,000 square feet) projects completed
 - 5 RCxpress (buildings between 150,000 and 400,000 square feet) project completed
 - 2 RCx (buildings over 400,000 square feet) projects completed
- An MBCx project was completed at 205 and 225 N. Michigan in Chicago. Each building had previously participated in RCx several years earlier, but during two years of monitoring, the MBCx found nearly 2 GWh in new savings.
- A marketing campaign is being developed to re-engage past participants in RCx who are eligible for the program.
- PY9 program changes include moving to a pay-per-performance model in the RCx

Retro-Commissioning (RCx) (continued)

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.
- Approximately 25 new projects have been generated through the efforts of an RCx Building Tune Up calling campaign.
- Segmented outreach, mainly Commercial Real Estate, continues to provide leads for new projects.
- There are 141 active projects in the PY9 pipeline for potential savings of 29,000 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.

- **7,454 MWh savings achieved (129% of forecast) based on 423 projects**
- More than 900 measures have been installed in PY9.
- Trade Allies are now offered a \$150 bonus to accurately forecast project completion within

two weeks.

- 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 is currently testing a chiller tune-up measure for large buildings and industrial customers.
- 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 25 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.

- **7,631 MWh savings achieved (23% of forecast) based on 30 compressed air projects**
The positive uptake of the program offering has created a healthy pipeline for PY9. There are 122 projects in the PY9 pipeline for potential savings of over 40,500 MWh.
- The program closed 18 projects in Q3, totaling almost 4,800 MWh savings.
- The program launched Smartsheet for improved tracking, reporting, and management.

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.

- **1,009 MWh savings achieved (43% of forecast)**
- Since inception in PY7, over 1,250 operational measures have been identified for potential savings of over 22,000 MWh.
- On average, the program is identifying 2.2 operational measures per facility assessment, 39% higher than the PY8 average.
- Operational savings per facility assessment has increased by 67% when compared to PY8.
- A total of 85 operational measures have been implemented through Q3, 89% 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 late March.
- The pilot cohort completed its second

year on December 31st. MWh savings are in the process of being finalized.

- The second cohort, including 3 hospitals, 4 universities, and 2 industrial manufacturers, is in the implementation phase and will complete its first year on May 31st.

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.

- **33,865 MWh savings achieved (89% of forecast) based on 52 projects**
- The program accepted 25 new projects in Q3, of which 9 were Expedited Assistance, and 4 were Accelerated Performance projects.
- The PY9 pipeline remains strong with approximately 40,000 MWh expected to be captured in PY9, factoring in normal program attrition.
- The pipeline for 2018 is looking strong with 66 enrolled projects for potential savings of 32,000 MWh.

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. Installed measures may include LEDs, HVAC optimization, vending misors, occupancy controls, and programmable thermostats.

- **1,931 MWh savings achieved (37% of forecast)**
 - Savings from the pilot portion of the program are not included in the above

Multi-Family Common Area (continued)

estimate. Savings data will be available in Q4.

- Energy-saving products have been installed within 66 common area spaces.
- A joint pilot 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 Q4.

Low Income Multi-Family Pilot

Overview: The Low Income Multi-Family Pilot is a joint program with Peoples Gas that provides free in-unit and common area energy assessments and installation of energy-saving products that may include LEDS, T8 retrofits, vending misers, occupancy controls, and programmable thermostats. The pilot provides project management and application assistance for measures outside of the direct install scope.

- **0 MWh savings achieved (0% of forecast)**
 - Savings data will be available in Q4.
- A joint multi-family low income program was launched in coordination with DCEO and Peoples Gas to reach additional low-income buildings within the City of Chicago.
- A total of 35 properties were identified as "shovel-ready" for this effort; property contacts have been established, the properties have been assessed, and energy efficiency opportunities have been identified. Initial results are expected in Q4.



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.

- **17,576 MWh savings achieved (91% of forecast) based on 36,770 pickups**
- ComEd has collected and responsibly recycled more than 325,000 refrigerators and freezers since we began to offer this service to our customers in June 2008.
- Customer participation was greater than anticipated, partly due to mild temperatures during the winter months, with over 10,000 refrigerators and freezers collected in Q3.
- A new feature was added to the program in February that allows customers to choose whether they want to receive their incentive payment by check or prepaid Visa card. The results over the first few weeks have shown that almost 27% of customers have selected a prepaid Visa card, with the balance opting to receive a check.

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.

- **14,207 MWh savings achieved (75% of forecast) based on 87,429 appliance rebates issued**
- The program launched a customer satisfaction survey to customers who participated in the Appliance Rebate program. Initial results are showing a Net Promoter Score® satisfaction

Appliance Rebates (continued)

rating close to 90%.

- The winter marketing campaign “Celebrate Rebates” is in market. Special emphasis was given to the campaign during holidays such as Martin Luther King Jr. Day and President Day to align with big retail sales on appliances.

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.

- **11,724 MWh savings achieved (110% of forecast) based on 9,875 assessments**
- Over 4,000 customers received assessments in Q3.
- 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 six months.

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.

- **9,378 MWh savings achieved (110% of forecast) based on 8,764 products and projects**
- Over 1,900 customers received rebates for energy efficient heating and cooling equipment, including contractor-installed smart thermostats, in Q3.
- The program continued to build participation in the ComEd Residential Trade Ally Network, resulting in over 220 heating and cooling contractors enrolled to date.
- Over 400 customers received rebates for completing weatherization projects in Q3. 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.
- A single-family low-income pilot with Peoples Gas was launched with a goal of completing 150 projects consisting of weatherization and direct-install measures in bungalow style homes. Further reporting to follow in Q4.

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® certified CFLs and specialty LEDs, advanced power strips, faucet aerators, showerheads, programmable thermostats, and pipe insulation.

- **2,582 MWh savings achieved (64% of forecast) based on 15,684 units**

Multi-Family (continued)

- Steady progress to goal continued through the end of Q3, with more than 15,000 residential tenant spaces at multi-family properties having been visited YTD.
- Free installation of free energy-saving products, anchored by a selection of different wattage ENERGY STAR® certified CFLs and specialty LEDs, was performed wherever appropriate to help improve the energy efficiency within these spaces and reduce energy costs for customers.

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.

- **409 MWh savings achieved (164% of forecast) based on 560 homes**
- A total of 222 homes served jointly by ComEd and Nicor Gas were completed and verified in Q2. These homes achieved an average savings of over 715 kWh.
- 103 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.
- 256 of the qualified joint new homes in PY9 have met the second highest program tier with modeled savings of at least 25% 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.

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.

- **3,546 MWh savings achieved (138% of forecast) based on 24,628 kits**
- In Q1 ComEd and partnering natural gas utilities secured additional funding to expand the PY9 kit goal from approximately 11,500 to 25,750 kits.
- 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.

- **93,101 MWh savings achieved (53% of forecast) based on 3,900 projects**
- The program is on track to achieve the savings goal as participation increases with new lighting campaigns.
- Over 2,000 customers were provided with energy-saving products in Q3.
- The 1099 tax reporting requirement for customers was eliminated to reduce barriers to entry.
- Incentives for T12 to T8 retrofits were increased to promote this cost effective measure with high energy savings.
- The program is testing a new tablet-based assessment tool to streamline paperwork and improve data quality.
- The program has achieved a 93% customer satisfaction rate; 95% of customers would recommend the program.
- 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.

- **177,671 MWh savings achieved (81% of forecast) based on 8,299,009 units sold**
 - 2,366,407 CFL bulbs sold
 - 6,189,358 LED bulbs sold
 - 257,346 LED trim kits sold
- The majority of retailers are phasing out of CFLs. Limited shelf space is dedicated CFLs as

Lighting Discounts (continued)

manufacturers shift to LEDs. ComEd has already phased out CFL incentives in most participating retail stores, with a full exit by March 31st.

- The Lighting Field Rep team conducted over 300 in-store lighting demonstrations and trained more than 9,000 store associates, including appliance retailers.
- With the new ENERGY STAR version 2.0 lighting products being introduced in retail, there are continuous price changes. The program is tracking price changes and reviewing incentive levels as needed.

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.

- **222,400 MWh savings achieved (77% of forecast)**
- The program is reaching 1.7 million participants with a low opt-out rate and high customer satisfaction through customer inquiries; 800,000 of these customers also receive email Home Energy Reports.
- A new Personal Tracker module, which tracks a customer's usage progress compared to the previous year, was added to the email Home Energy Report.
- Eligible customers can now set a dollar amount threshold at which a High-Usage Alert is triggered. The High-Usage Alert will be triggered when the customer's projected total energy costs exceeds the set threshold.
- Online energy management tools received an updated look and feel and were optimized for mobile.

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.

- **515 MWh savings achieved (5% of forecast) based on approximately 950 fixtures installed in 6 municipalities**
- Excluding the 6 municipalities with fixtures currently being installed, the program has signed up 30 municipalities to install approximately 5,200 fixtures for potential savings of over 3,220 MWh.
- The program is reaching out to 16 additional municipalities with about 2,800 fixtures and potential savings of 1,600 MWh.
- 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.

- **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 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.

- **975 MWh savings achieved (58% of forecast) based on 11,007 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

Shelton Solutions – Great Energy Stewards (continued)

Community and Economic Development Association (CEDA), to participate in an energy use reduction competition against themselves. Participants are 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.
- The program added faith-based events to outreach efforts and met with 52 churches in Q3.
- The frequency of energy savings tips sent via email were increased to twice per month starting in January.

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.

- **1,168 MWh savings achieved (95% of forecast) based on 5,694 kits**
- A total of 5,694 energy-saving kits, consisting of 4,246 natural gas kits and 1,448 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.

- **423 MWh savings achieved (6% of forecast) based on 66 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 (16% 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.

IPA Programs – Third Party

Matrix – Demand Based Ventilation Fan Controller (DBVFC) Program

Overview: Matrix optimizes the operating time of HVAC systems for small business customers 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)**
 - PY9 savings will not be reported until the PY9 evaluation has been completed to allow for accurate savings.
- Matrix is developing relationships with installing contractors to help them reach customers for participation.

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.

- **5,978 MWh savings achieved (83% of forecast) based on 641 projects**
- More than 1,500 measures have been installed in PY9.
- Program activity is dependent on weather conditions with tune-ups requiring ambient air temperatures of 65 degrees.
- Trade Allies are now offered a \$150 bonus to accurately forecast project completion within two weeks.

- 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.
- While customer participation rates were lower than anticipated, MWh savings per project were above target.
- The Trade Ally network increased to include 25 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).

- **608 MWh savings achieved (33% of forecast) based on 161,017 square feet in 6 buildings**
- The program had four projects complete verification in the last quarter. These projects increased the number of verified projects in the offering from two to six, including the project with the largest savings potential that has participated to date.
- 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

IPA Programs – Third Party

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

longer time frame than two years.

- There currently are 8 buildings in the PY9 pipeline for potential savings of 475 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 approximately 300 projects with one to five measures for every application.
- The program was initially marketed to the Trade Allies with the anticipation that they would work with their clients to generate applications. It was found that marketing directly to the clients was more effective and has generated over 90% of the current applications.

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.

- **9,990 MWh savings achieved (79% of forecast) based on 628,656 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. Q4 will offer additional opportunities to visit and volunteer at select food pantries to further educate ComEd customers on CFLs and other ComEd energy efficiency programs.

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.

- **777 MWh savings achieved (6% of forecast) based on 21 projects**
- There are currently 18 projects in the PY9 pipeline for potential savings of over 2,000 MWh.
- The program made slight adjustments to the incentive structure to lower its cost per kWh, and drive a focus on high bay projects.
- There are currently six contractors working with the program.

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.

- **224 MWh savings achieved (19% of forecast) based on 7 projects**
- The program has completed 24 assessments and has 26 buildings enrolled. Seven of those are currently scheduling projects.
- Elevate is pursuing new enrollments to have enough pipeline to meet program goals.

IPA Programs – Third Party

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.

- **3,208 MWh savings achieved (80% of forecast) based on 13,275 kits**
- The program still has over 3,000 to deliver for potential savings of over 1,800 MWh.
- This program is receiving positive feedback on the ease of receiving a kit, as customers can pick them up when applying for utility assistance programs.

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.

- **980 MWh savings achieved (79% of forecast) based on 2,988 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. Starting in Q4, primary focus will be on outbound calling to retail customers.
- Participants have provided positive feedback.
 - "It's a nice program to help businesses save money."
 - "We installed everything and are loving every second of it!"

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.

- **36 MWh savings achieved (3% of forecast) based on 22 projects**
- The success of this program is directly correlated with the success of the agricultural market. Low commodity pricing in the dairy and grain industry is causing producers to wait to implement energy efficiency measures.

IPA Programs – Third Party

GDS Associates – Agricultural Energy Efficiency Program (CoAg) (continued)

- An additional challenge is that many producers are sole proprietors and do not have a Federal Employer Identification Number (FEIN) as required by the program. Producers are choosing not to participate rather than obtain a FEIN.

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.

- **1,034 MWh savings achieved (7% of forecast) based on 36 projects**
- Incentives were increased, which generated substantial interest in the program. The increase was funded solely by GDS. Controls were also added so incentives would be comparable with the SBES program.
- LED fixtures less than 35W had limited interest because the required new wattage maximum had limited availability. The measure was changed to accept up to 45W, which generated more interest in the measure. The incentive was decreased to account for the increased wattage.
- Parking lot lights were added to the eligibility list, which also generated additional interest.
- The Northern Illinois Lit Signage Program is establishing a network of TAs that is broad reaching and we continue to expand this network. Ten new trade allies were trained in Q3.
- There are currently 21 projects in the PY9 pipeline for potential savings of over 700 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 Q3 General Outreach

- Participated in **70** energy efficiency events
- Interacted with approximately **14,249** customers
- Collected approximately **587** emails
- Drove **26,577** unique page visits to ComEd.com/HomeSavings

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

- In-market January 2nd – February 19th and March 27th – April 23rd
- Included Out of Home and Digital
- Generated 13,089,811 impressions through February 19th

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 January 1st – March 23rd
- Included Out of Home, Radio and Digital
- Generated 34,868,126 impressions

PY9 Fridge & Freezer Recycling – Overstayed Welcome

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 January 23rd – April 23rd
- Included Bill Inserts, Digital and Radio
- Generated 25,018,239 impressions

PY9 Small Business Campaign – Focus on Business

Overview: The campaign is to promote awareness of the ComEd Energy Efficiency Program for Small Business owners with a call to action of ComEd.com/Business.

- Ran from December – February
- Included Bill Inserts, Digital and Radio
- Generated 32,041,232 impressions



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

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 two locations.

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	344,475	517,369	67%

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	514,442	747,012	69%

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	26,023	136,515	19%

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	85,124	N/A	N/A

ComEd Environmental and Economic Impact

Performance Metrics (Equivalents)	PY9 Q3	PY8	PY7	PY6	PY5	PY4	PY3	PY2	PY1
Net MWh	884,940	1,265,662	1,122,657	1,118,649	949,392	944,142	626,715	472,132	163,717
Carbon reduction (tons)	558,311	795,906	705,978	703,457	597,021	593,719	394,107	296,898	102,953
Cars removed from the road	118,037	167,558	148,626	148,096	125,688	124,993	82,969	62,505	21,674
Acres of trees planted	526,708	652,382	578,670	576,604	489,362	486,655	323,038	243,359	84,387
Number of homes powered for 1 year*	98,546	137,872	122,294	121,857	103,420	102,848	68,270	51,431	17,834
Portfolio jobs**	325	267	260	234	196	179	154	84	66

* Assumes average ComEd single-family residential home with no electric space heat consumes 750 kWh monthly or 8,980 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	\$ 84,048,948
IPA	\$ -	\$ -	\$ -	\$ -	\$ 31,329	\$ 29,469,183	\$ 39,150,327	\$ 86,823,029	\$ 66,447,473
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	\$ 30,655,458
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	\$ 181,151,878

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	\$ 84,048,948

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	\$ 60,933,780

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	\$ 5,513,693

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	\$ 30,655,458

*EEPS Expenditures

EEPS Expenditures	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9 Q3 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	\$ 44,284,775
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	\$ 25,988,024
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	\$ 885,143
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	\$ 4,088,880
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	\$ 854,517
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	\$ 1,141,924
Labor	\$ -	\$ -	\$ -	\$ 2,749,232	\$ 3,214,657	\$ 1,927,888	\$ 4,682,625	\$ 3,299,894	\$ 3,237,042
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	\$ 3,499,703
On-Bill Financing	\$ -	\$ -	\$ 64,018	\$ 173,494	\$ 228,477	\$ 132,562	\$ 110,736	\$ 98,979	\$ 68,939
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	\$ 84,048,948

Total Resource Cost (TRC)

New Measure TRC

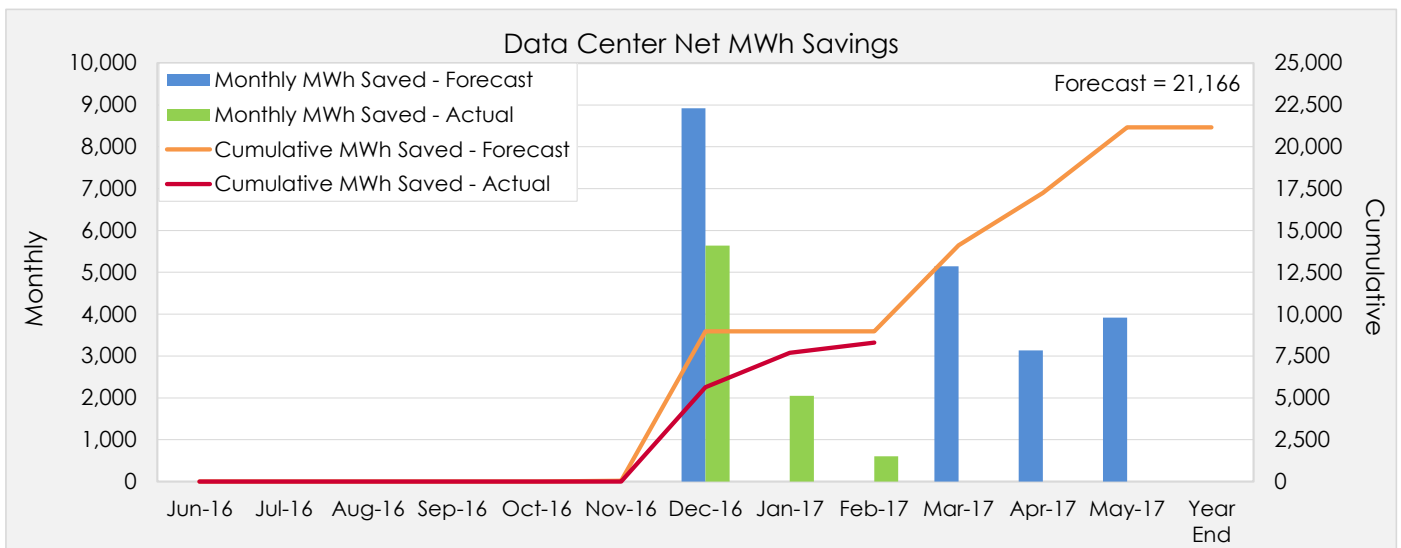
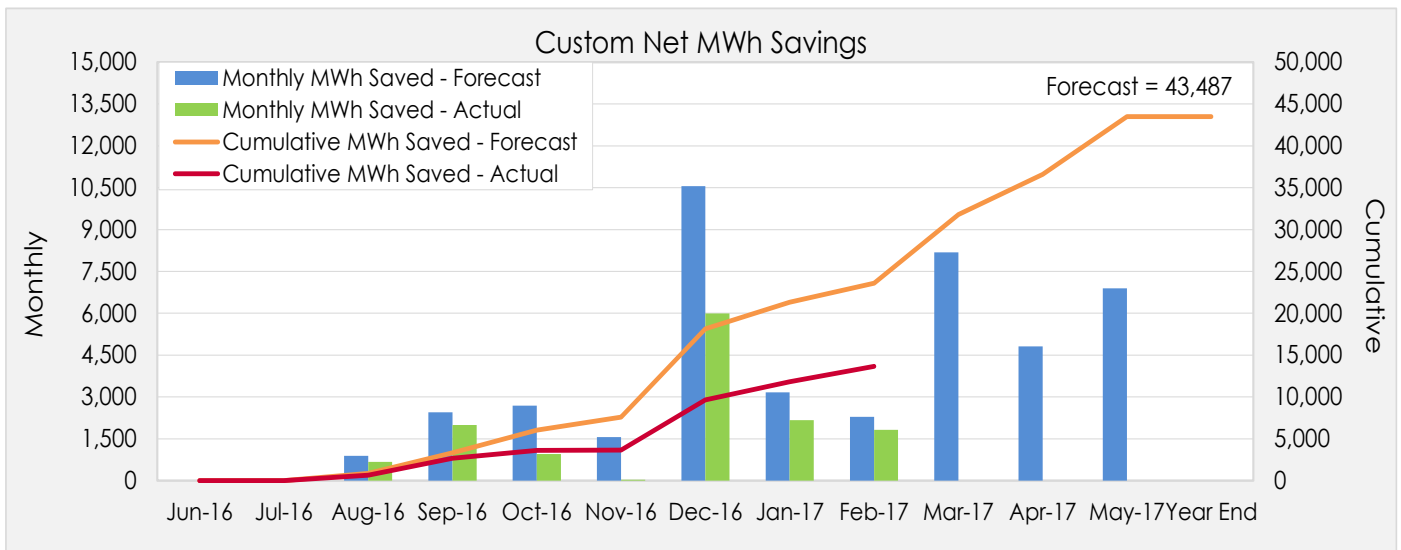
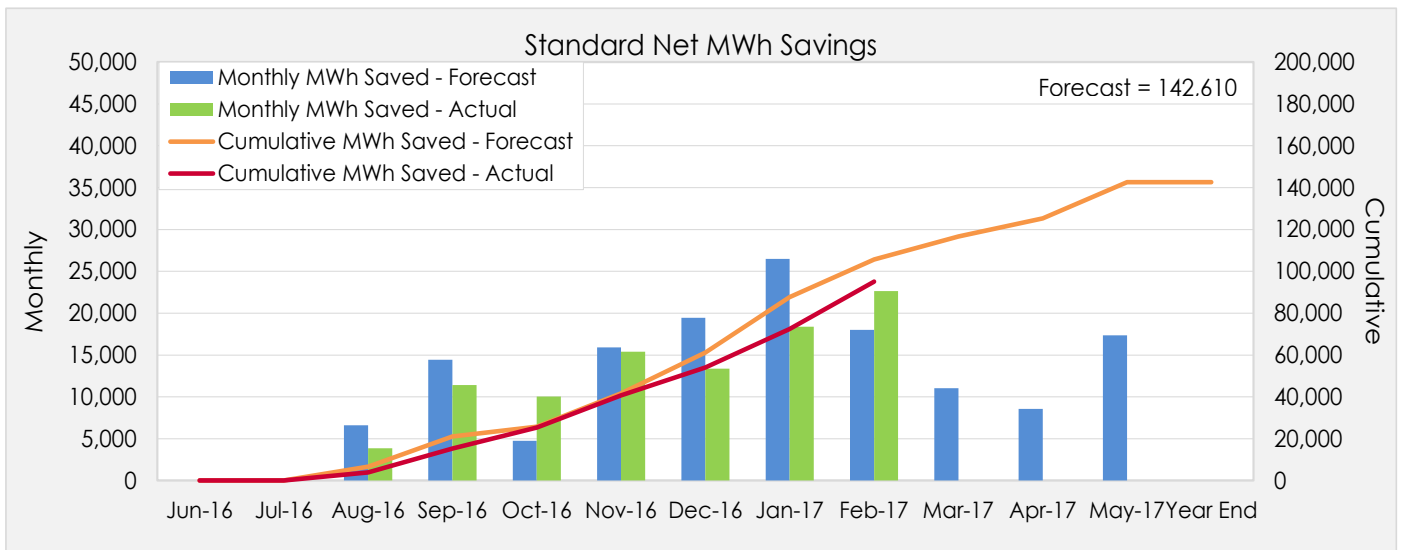
Measure	TRC
C&I	
Heat of Compression Desiccant Air Dryers	0.83
Heated Desiccant Dryer w-VSD Compressor	3.23
Heated Desiccant Dryer w-Load-No-load Compressor	1.22
Heated Desiccant Dryer w-Variable Displacement Compressor	1.87
Blower Purge Desiccant Dryer w-VSD Compressor	3.36
Blower Purge Desiccant Dryer 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.

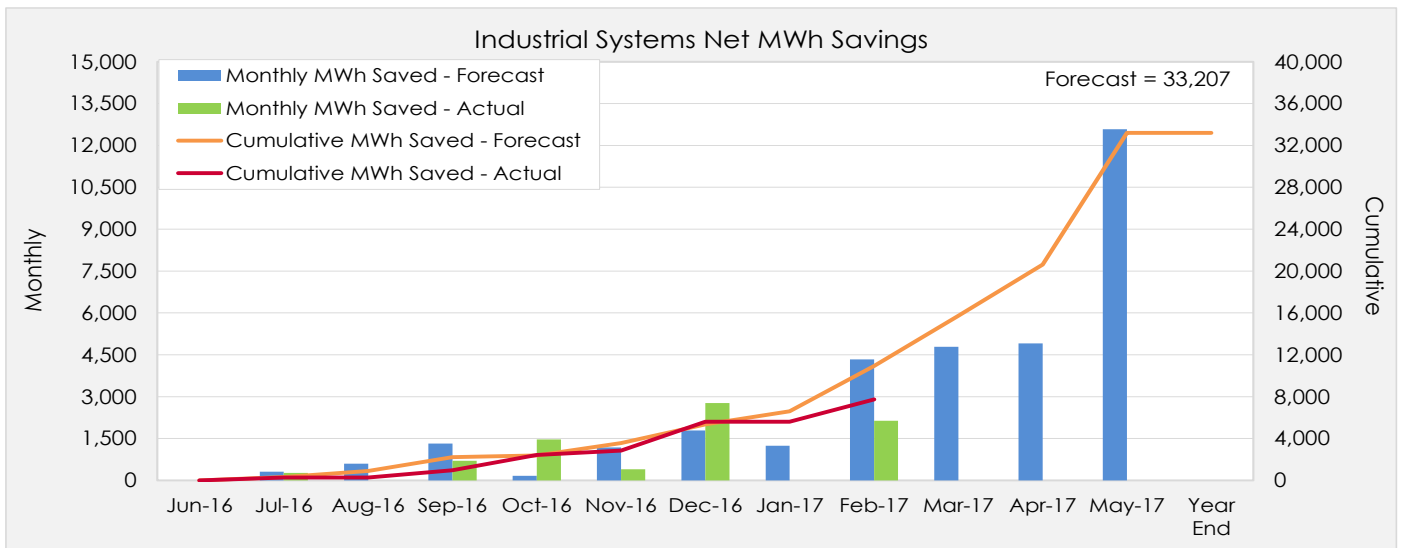
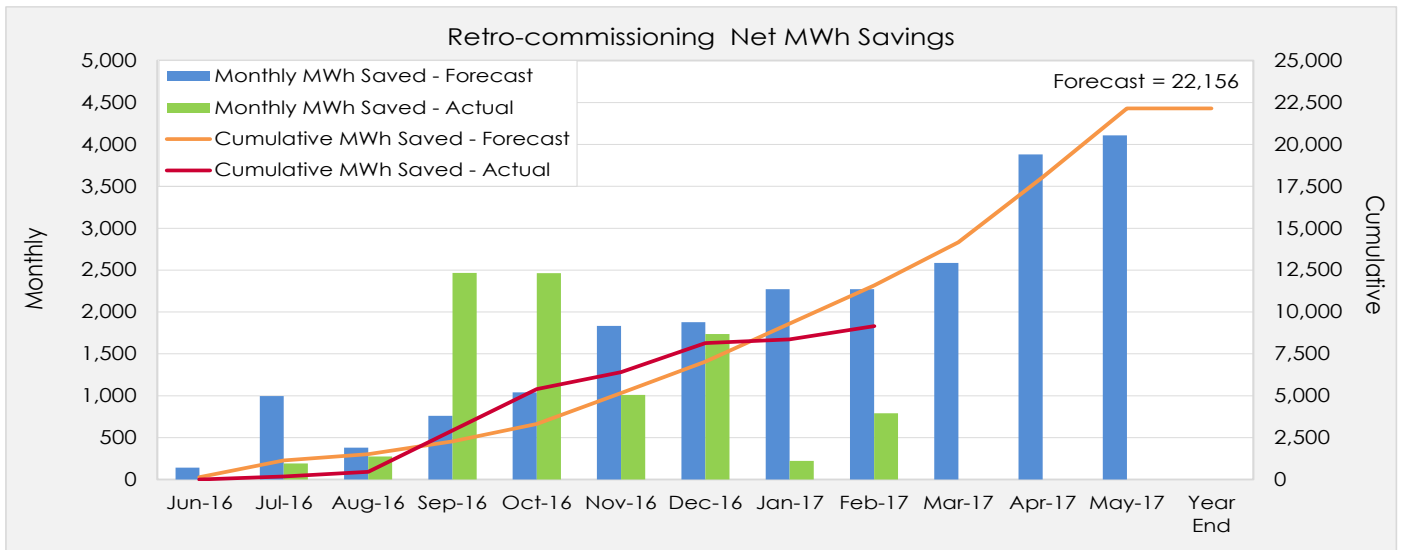
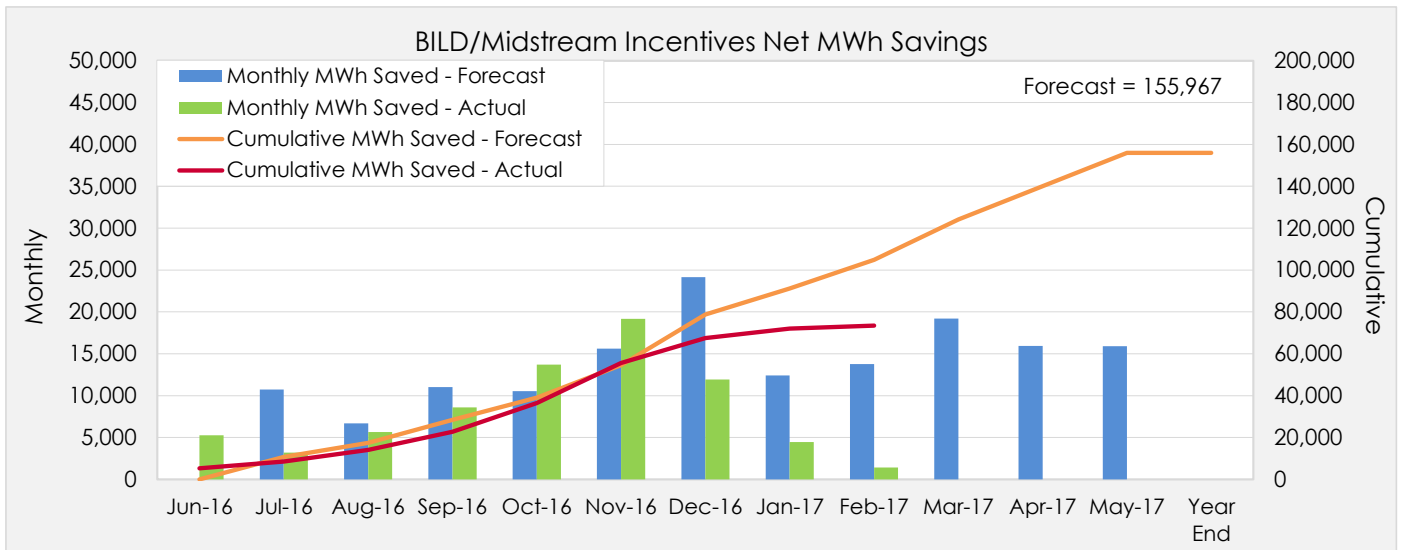
** This is a PY9 addition that was implemented at the end of PY8 for seasonal reasons.

*** 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).

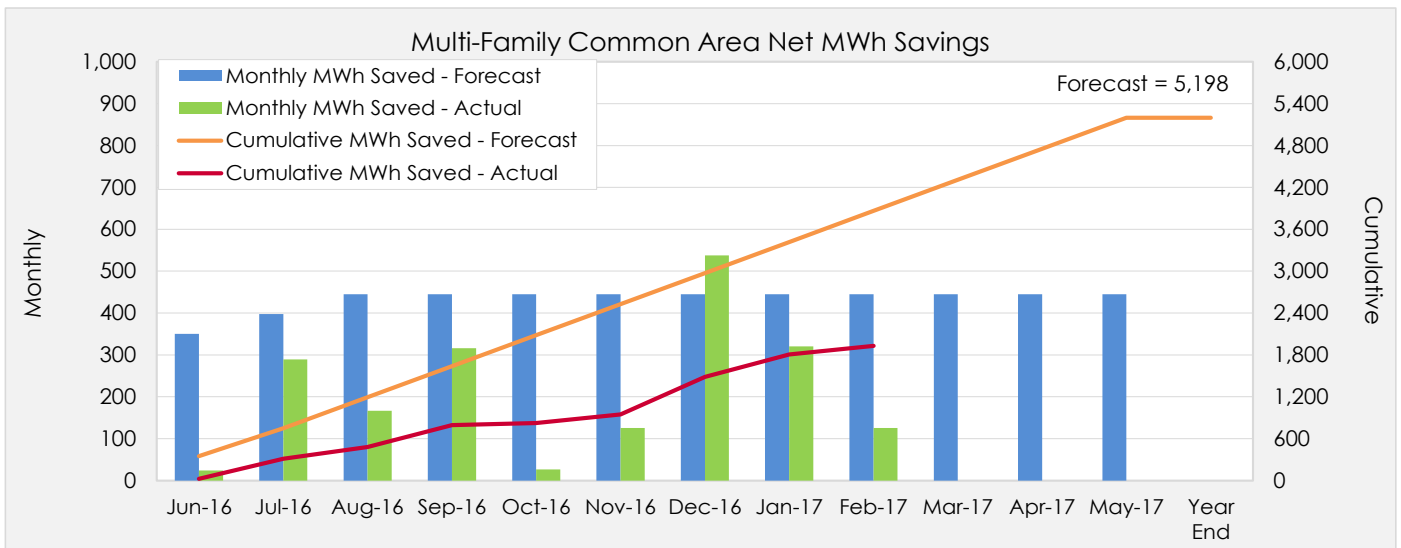
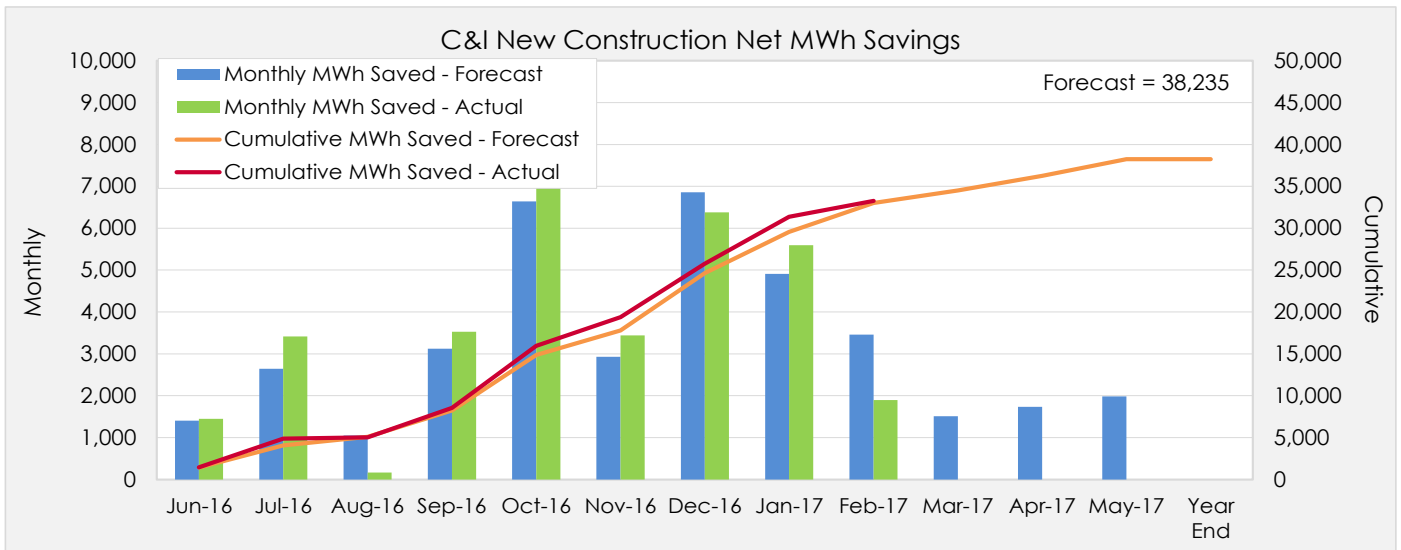
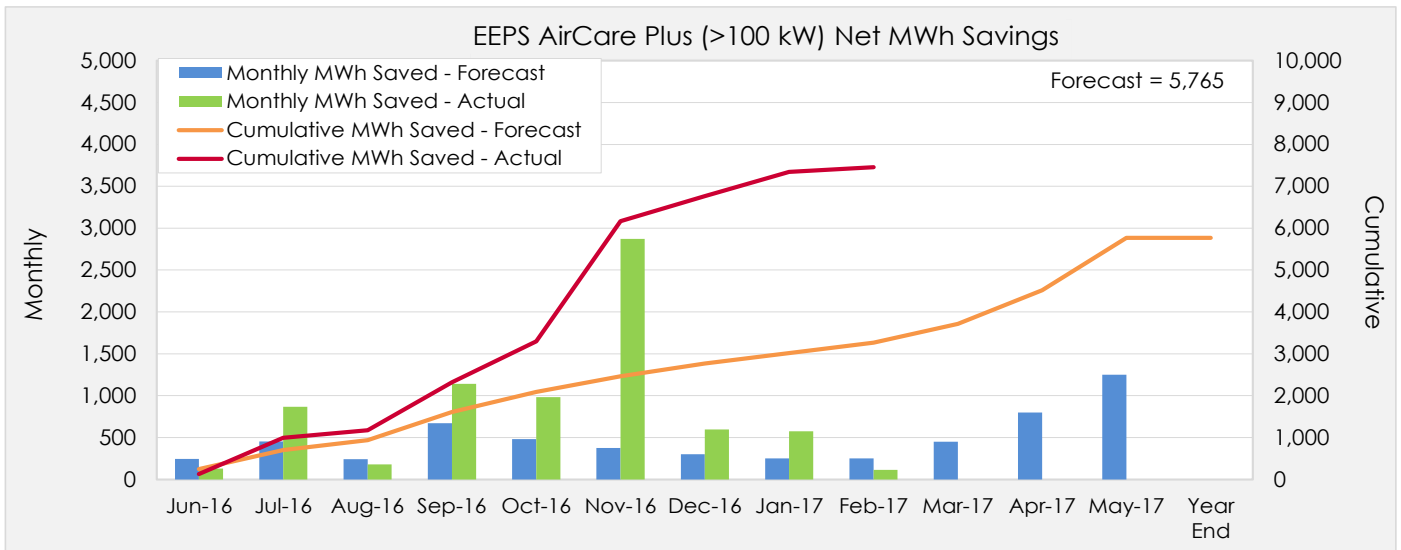
EEPS Programs – Business – Monthly



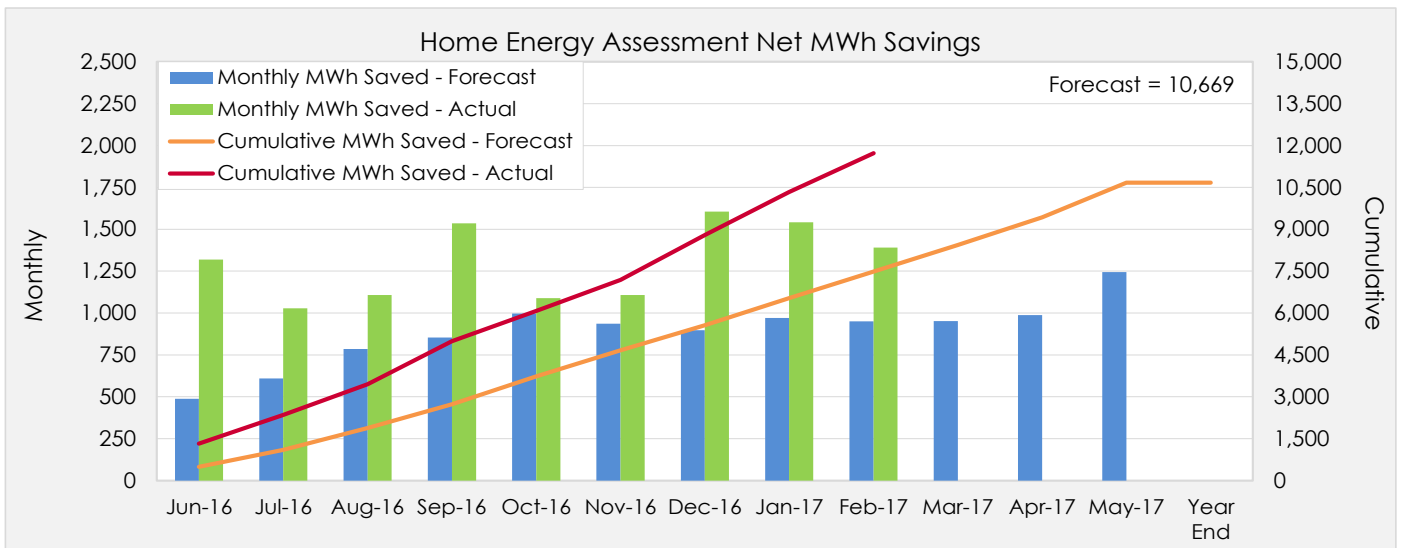
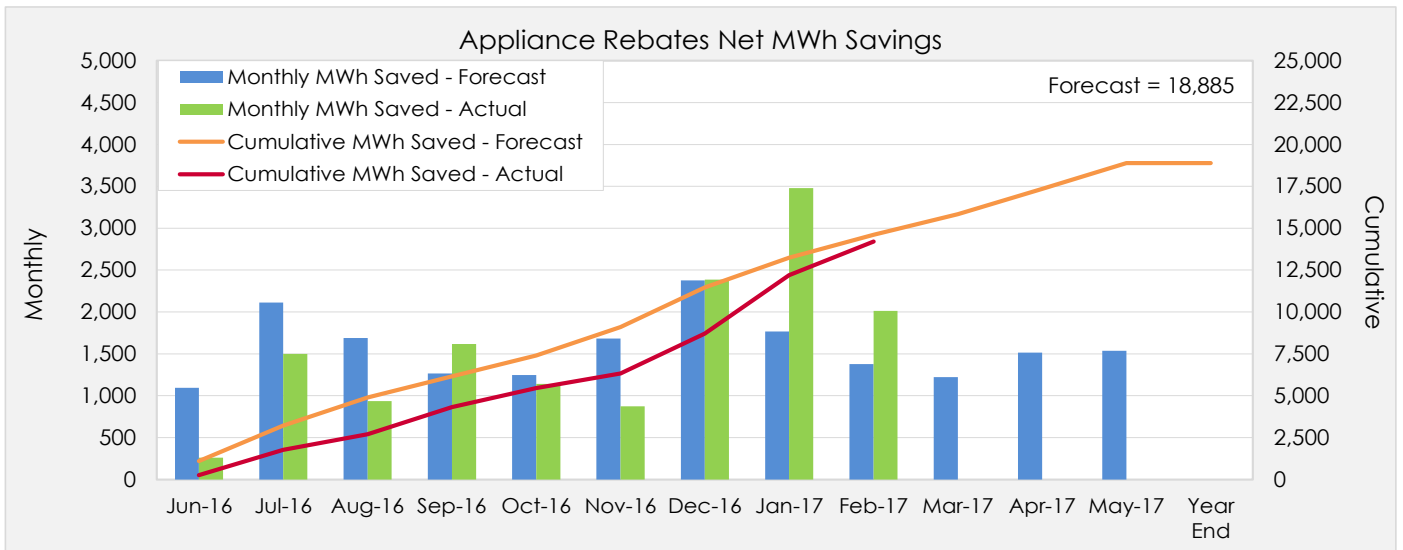
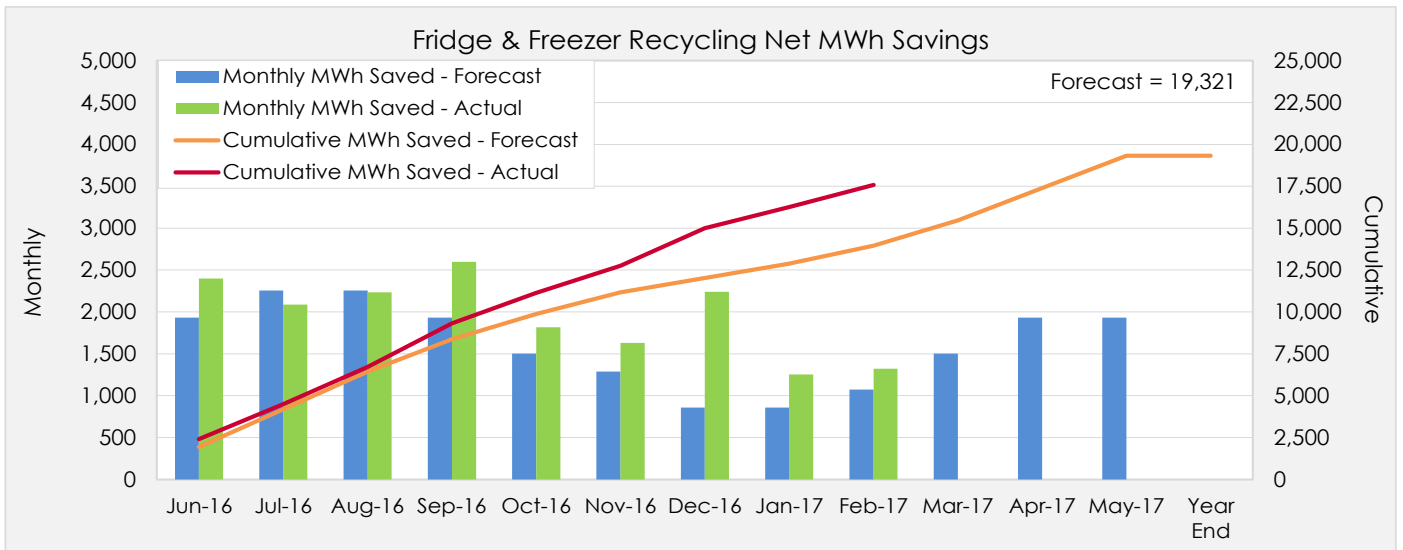
EEPS Programs – Business – Monthly



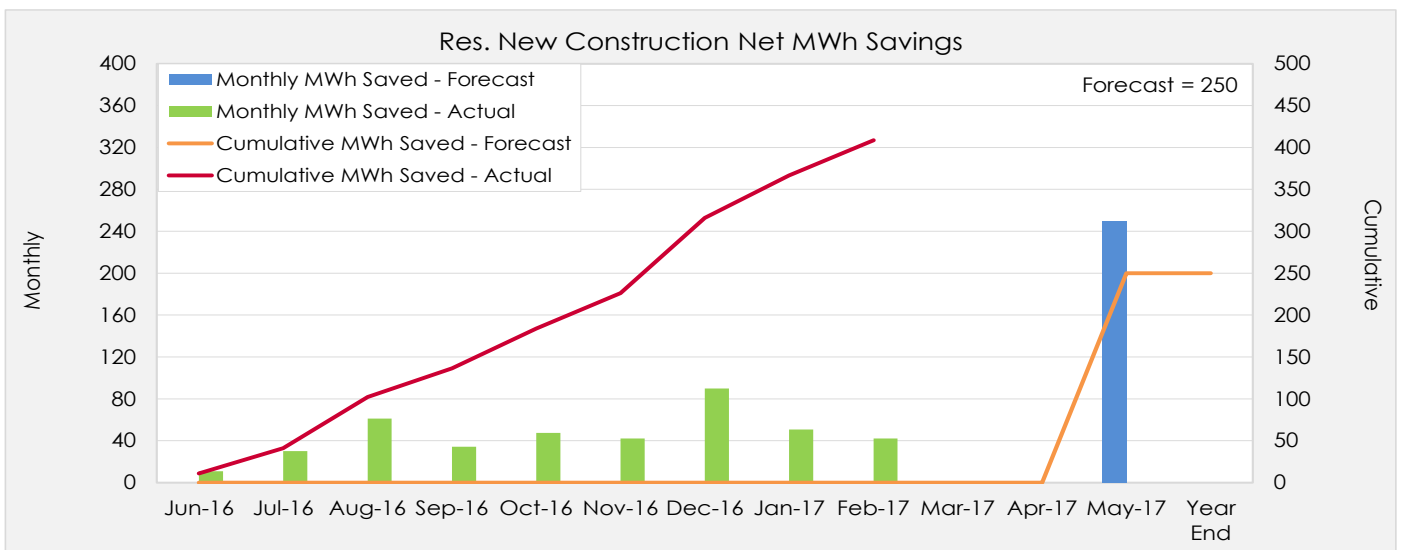
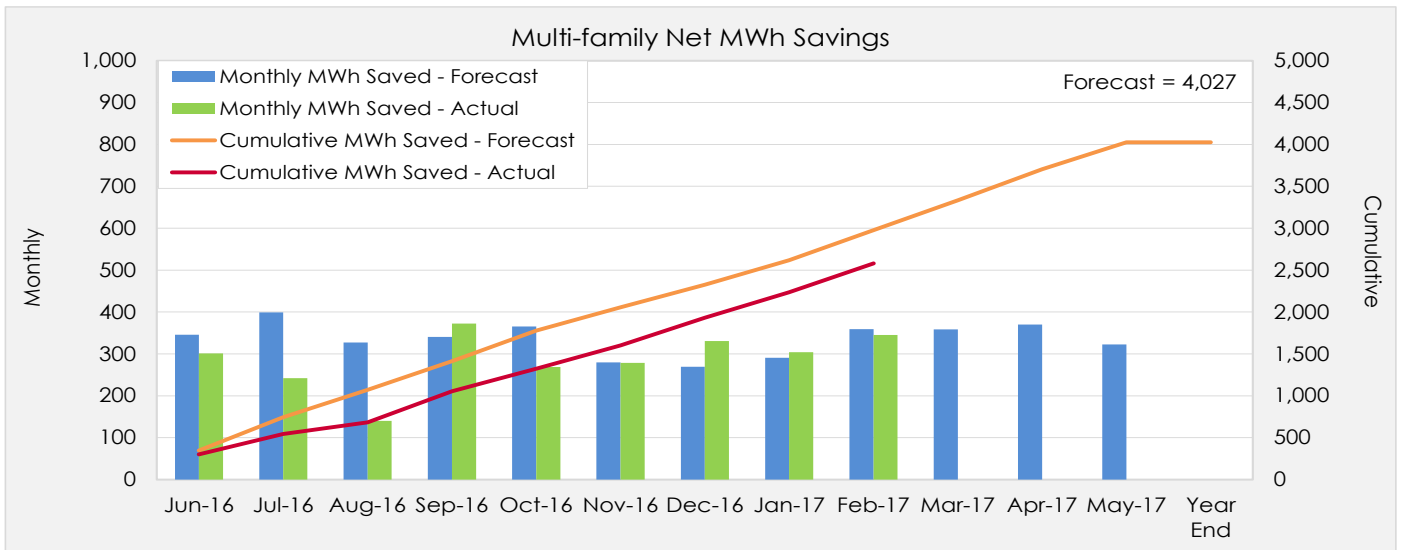
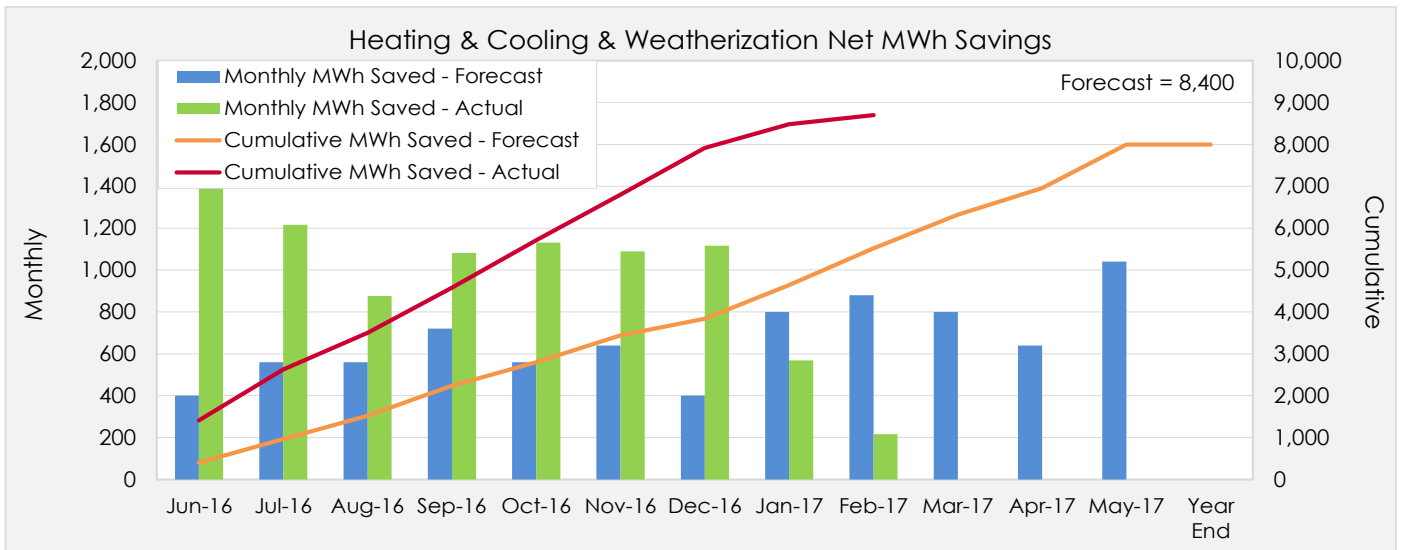
EEPS Programs – Business – Monthly



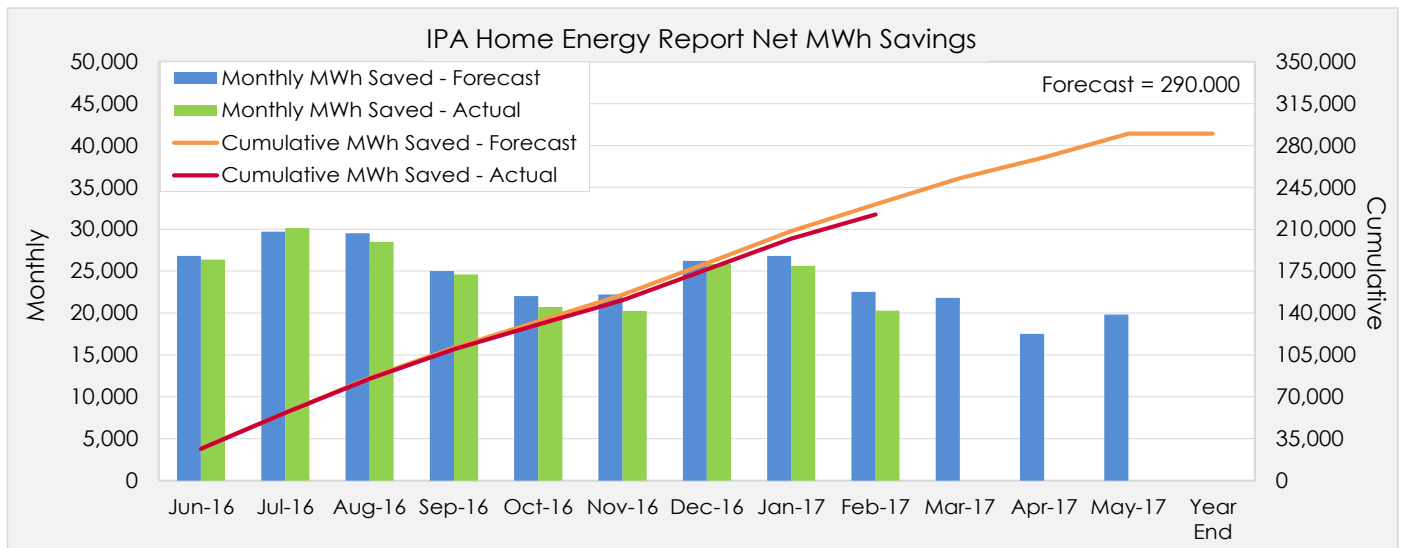
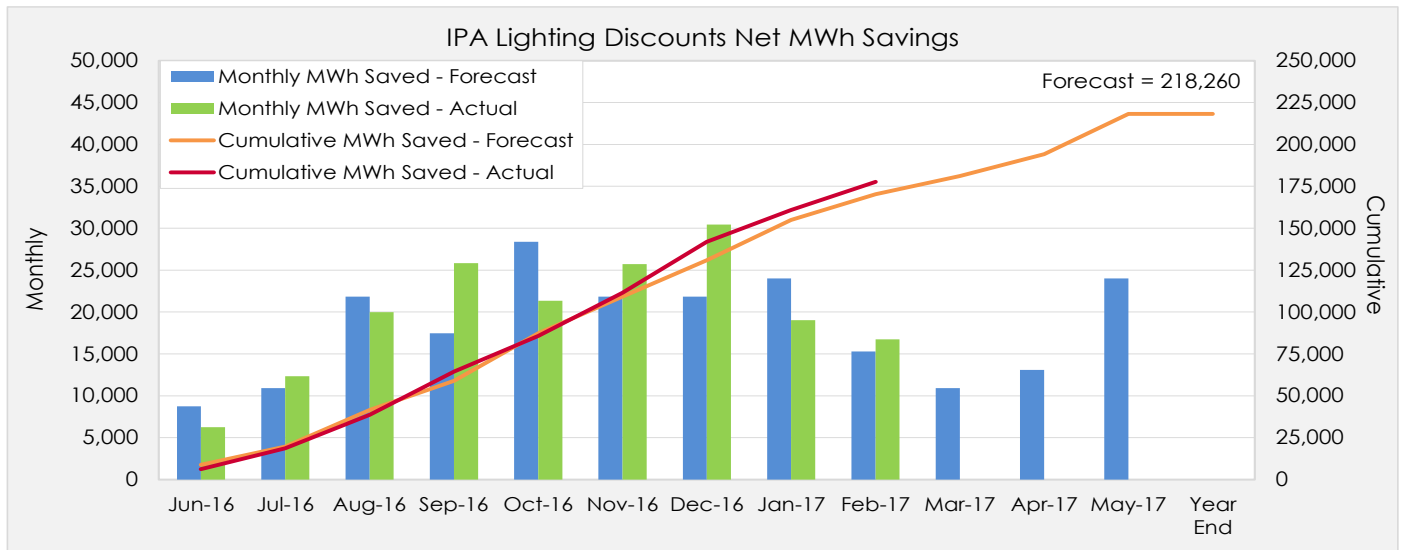
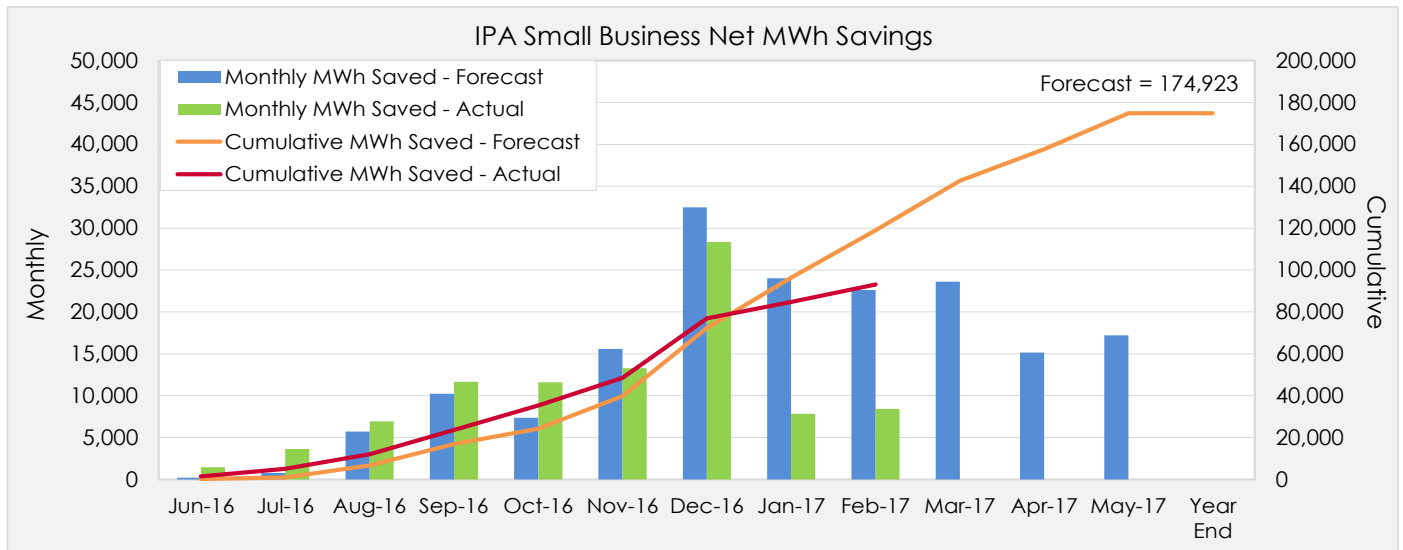
EEPS Programs – Residential – Monthly



EEPS Programs – Residential – Monthly



IPA Programs – ComEd – Monthly



IPA Programs – ComEd – Monthly

