

ComEd[®] Energy Efficiency Program

Plan Year 9 Fifth Quarter Report



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
\$2.7 billion
on their electric bills



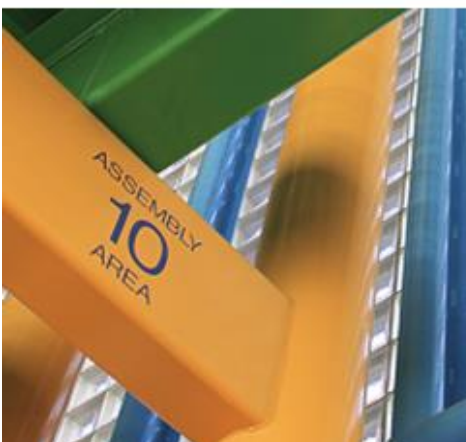
106.9 million
efficient bulbs sold



Enough MWh to power
2.7 million
homes for one year

34.5 billion
pounds of CO₂ reduced

24.8 million
net MWh saved



More than
\$520 million
in incentives provided



Based on lifetime MWh savings through PY9 Q5



Quarterly Program Highlights

EEPS Business Programs

- Through Q5, EEPS business programs have achieved 77% of their combined PY9+ forecast of 636,620 MWh.
- Over 1,100 EEPS business projects were completed in Q5.
- The Standard element of the C&I Incentives program is on track to have 4,000 projects to be completed in PY9.
- The C&I New Construction program accepted 33 new project applications in Q5, of which 5 were Expedited Assistance, 3 were Accelerated Performance, and 6 were public sector projects.

EEPS Residential Programs

- Through Q5, EEPS residential programs have achieved 78% of their combined PY9+ forecast of 124,853 MWh.
- Customers received over 28,500 rebates, recycled over 15,500 appliances, and received over 6,500 assessments in Q5.
- ComEd has collected and responsibly recycled more than 355,000 refrigerators and freezers since we began to offer this service to our customers in June 2008.
- The Heating & Cooling Rebates program launched a new customer and Trade Ally rebate portal in July.

IPA Programs

- IPA programs achieved 81% of their combined PY9+ forecast of 1,179,088 MWh.
- The Small Business Energy Savings program provided energy-saving products to over 1,300 customers in Q5.
- A new line of integrated LED fixtures has been introduced into the Lighting Discounts program with in-store instant discounts from ComEd. The new product types include, but are not limited to, ceiling flushmounts, shop lights, and exterior coach lights.
- In Q5, 160,000 refill customers were enrolled into paper Home Energy Reports. Refill customers are to maintain an average of 1.7 million recipients throughout the program year. Approximately 280,000 customers were also enrolled into email Home Energy Reports.

DCEO Bridge Period Programs

- Coordinated scopes of work, budgets and resources necessary to continue 5 income eligible, 11 public, and 7 market transformation DCEO programs through the bridge period of June to December 2017.

Ex-Ante Results

Column Descriptions

- **Net MWh Actual:** Actual net MWh savings estimated to be achieved through the most recent quarter based on preliminary results and available data, subject to revision and evaluation
- **Original Net MWh Goal:** Net MWh savings goal for the original PY9 program year schedule, June 2016 to May 2017, filed with the Illinois Commerce Commission (ICC) as part of the 2014 – 2016 Energy Efficiency and Demand Response Plan (Plan 3)
- **PY9+ Net MWh Goal:** Net MWh savings goal filed with the ICC for the extended PY9 program year schedule, June 2016 to December 2017, as a result of the Future Energy Jobs Act
- **PY9+ Net MWh Forecast:** Net MWh savings forecast provided by ComEd program managers for the extended PY9 program year schedule, June 2016 to December 2017
- **Percent of PY9+ Goal:** Column 'Net MWh Actual' as a percentage of column 'PY9+ Net MWh Goal'
- **Percent of PY9+ Forecast:** Column 'Net MWh Actual' as a percentage of column 'PY9+ Net MWh Forecast'
- **Program Costs YTD (\$1,000):** Actual program expenditures through the most recent quarter
- **Rate Filing Screen (\$1,000):** Adjusted budget for the original PY9 program year schedule, June 2016 to May 2017, filed with the Illinois Commerce Commission (ICC) as part of the Informational Filing from May 2016
- **PY9+ Filed Budget:** Budget filed with the ICC for the extended PY9 program year schedule, June 2016 to December 2017, as a result of the Future Energy Jobs Act
- **PY9+ Spend Forecast:** Spend forecast provided by ComEd program managers for the extended PY9 program year schedule, June 2016 to December 2017
- **Percent of Spend Forecast:** Column 'Program Costs YTD (\$1,000)' as a percentage of column 'PY9+ Spend Forecast'

EEPS Program Ex-Ante Results

EEPS Program	Net MWh Actual	Original Net MWh Goal	PY9+ Net MWh Goal	PY9+ Net MWh Forecast	Percent of PY9+ Goal	Percent of PY9+ Forecast	Program Costs YTD (\$1,000)	Rate Filing Screen (\$1,000)	PY9+ Filed Budget	PY9+ Spend Forecast	Percent of Spend Forecast
Incentives Total (includes large C&I pilot)	232,369	195,831		327,843		71%	\$ 43,331	\$ 32,900		\$ 54,278	80%
Standard	202,416			276,326		73%					
Custom	14,485			29,556		49%					
Data Center	15,469			21,961		70%					
Optimization Total (includes BEA)	55,734	97,831		79,257		70%	\$ 14,988	\$ 16,500		\$ 19,815	76%
Retro-Commissioning	23,088			29,806		77%	\$ 6,237	\$ 7,500		\$ 8,000	78%
AirCare Plus (>100 kW)	8,472			16,073		53%	\$ 1,459	\$ -		\$ 2,590	56%
Industrial Systems	22,272			31,393		71%	\$ 5,198	\$ 9,000		\$ 7,428	70%
Operational Savings	1,902			1,985		96%	\$ 1,434	\$ -		\$ 1,793	80%
Strategic Energy Management Pilot	11,735			2,500		469%	\$ 407	\$ -		\$ 836	49%
BILD/Midstream Incentives	135,870	123,170		162,166		84%	\$ 8,548	\$ 8,056		\$ 10,919	78%
New Construction	45,187	16,535		55,875		81%	\$ 10,470	\$ 10,000		\$ 13,170	79%
Multi-Family Common Area	6,342	4,000		8,979		71%	\$ 1,699	\$ 1,000		\$ 2,823	60%
C&I General							\$ 2,058	\$ -		\$ 5,751	36%
C&I Subtotal	487,237	437,367	659,746	636,620	74%	77%	\$ 81,501	\$ 68,456	\$ 103,308	\$ 107,591	76%
Fridge & Freezer Recycling	30,728	29,450		33,375		92%	\$ 9,792	\$ 8,701		\$ 12,172	80%
Appliance Rebates	23,691	9,103		35,227		67%	\$ 12,969	\$ 6,686		\$ 21,387	61%
Home Energy Assessment	18,112	7,407		24,498		74%	\$ 7,750	\$ 5,745		\$ 10,145	76%
Heating & Cooling	14,907	7,590		18,881		79%	\$ 6,600	\$ 9,638		\$ 9,694	68%
Weatherization	992			1,226		81%	\$ 1,221	\$ -		\$ 2,786	44%
Multi-Family	4,665	4,838		5,033		93%	\$ 2,418	\$ 1,925		\$ 3,020	80%
Elementary Energy Education	3,722	567		5,769		65%	\$ 535	\$ 233		\$ 892	60%
New Construction	749	15		844		89%	\$ 414	\$ 265		\$ 511	81%
Direct to Consumer Kit		4,930		0				\$ -		\$ -	
Residential General							\$ 2,380	\$ -		\$ 2,697	
Residential Subtotal	97,566	63,900	103,369	124,853	94%	78%	\$ 44,081	\$ 33,193	\$ 49,759	\$ 63,305	70%
R&D/Emerging Tech	101	0	0	0			\$ 2,030	\$ 3,587		\$ 3,626	56%
Lighting Carryover	41,714	16,102	24,514	41,714	170%	100%					
EEPS Program Total	626,618	517,369	787,629	803,188	80%	78%	\$ 127,612	\$ 105,235	\$ 153,066	\$ 174,522	73%
IPA Program Total	950,504	883,527	1,320,183	1,179,088	72%	81%	\$ 114,730	\$ 134,863	\$ 196,096	\$ 149,176	77%
EEPS and IPA Program Total	1,577,122	1,400,896	2,107,812	1,982,276	75%	80%	\$ 242,342	\$ 240,098	\$ 349,162	\$ 323,698	75%

Ex-Ante Results

IPA Program Ex-Ante Results

IPA Program	Net MWh Actual	Original Net MWh Goal	PY9+ Net MWh Goal	PY9+ Net MWh Forecast	Percent of PY9+ Goal	Percent of PY9+ Forecast	Program Costs YTD (\$1,000)	Rate Filing Screen (\$1,000)	PY9+ Filed Budget	PY9+ Spend Forecast	Percent of Spend Forecast
Lighting Discounts	313,353	217,565	344,478	369,660	91%	85%	\$ 40,157	\$ 37,123		\$ 54,244	74%
Home Energy Report	369,819	351,498	556,539	465,930	66%	79%	\$ 9,472	\$ 13,856		\$ 11,698	81%
Small Business Energy Savings	192,257	167,000	264,417	233,145	73%	82%	\$ 51,858	\$ 45,891		\$ 65,633	79%
LED Streetlighting	1,005	10,949	10,949	5,450	9%	18%	\$ 1,108	\$ 8,208		\$ 8,025	14%
Lighting Carryover	20,756	0	0	20,756							
IPA General							\$ -	\$ -		\$ 4,000	0%
IPA ComEd Subtotal	897,189	747,012	1,176,382	1,094,941	76%	82%	\$ 102,595	\$ 105,078	\$ 161,586	\$ 135,574	76%
Accelerate Group - CUB Energy Saver	0	17,910	17,910	0	0%	N/A	\$ -	\$ 775		\$ -	N/A
Elevate Energy - Chicago MF Retrofit	1,612	1,828	1,591	1,612	101%	100%	\$ 432	\$ 577		\$ 513	84%
Shelton Solutions - Energy Stewards	0	850	850	0	0%	N/A	\$ -	\$ 139		\$ (60)	0%
National Theatre for Children - Kits	1,705	1,220	1,946	2,107	88%	81%	\$ 782	\$ 625		\$ 1,102	71%
CLEAResult - CFL Distribution	17,058	14,721	20,129	20,329	85%	84%	\$ 1,496	\$ 1,330		\$ 1,590	94%
ERC - Low-Income Kits	3,997	4,103	6,327	6,325	63%	63%	\$ 1,439	\$ 1,439		\$ 1,950	74%
ERC - Low-Income Multi-Family	0	6,520	6,518	0	0%	N/A	\$ -	\$ 2,168		\$ -	N/A
CLEAResult - School Energy Savings	423	4,310	3,850	5,193	11%	8%	\$ 134	\$ 1,072		\$ 164	82%
Matrix - Private Schools	779	5,545	7,437	779	10%	100%	\$ 106	\$ 989		\$ 126	84%
Matrix - DBVFC	303	5,517	6,864	571	4%	53%	\$ 34	\$ 1,241		\$ -	N/A
CLEAResult - LLLC	2,887	17,216	13,457	4,687	21%	62%	\$ 1,159	\$ 5,101		\$ 935	124%
Elevate Energy - Assisted & Sr. Housing	487	1,188	1,188	1,188	41%	41%	\$ 171	\$ 626		\$ 353	48%
Franklin - Rural Small Business EE Kits	1,527	1,234	1,954	1,954	78%	78%	\$ 739	\$ 583		\$ 792	93%
GDS Associates - Agricultural EE	563	1,220	1,299	645	43%	87%	\$ 77	\$ 367		\$ 52	147%
GDS Associates - Lit Signage	10,572	14,624	14,453	15,758	73%	67%	\$ 2,659	\$ 3,700		\$ 1,182	225%
MEEA - STEP Efficient Products	0	3,343	1,948	0	0%	N/A	\$ -	\$ 778		\$ -	N/A
SEDAC - Building Optimization	1,021	11,056	11,801	5,988	9%	17%	\$ 117	\$ 2,500		\$ 750	16%
Power TakeOff - MBCx	549	2,709	2,709	1,279	20%	43%	\$ 259	\$ 1,554		\$ 266	97%
CLEAResult - AirCare Plus (<100 kW)	9,158	10,962	17,357	14,647	53%	63%	\$ 2,607	\$ 3,146		\$ 3,881	67%
Weidt Group - New Construction SBO	673	4,213	4,213	1,085	16%	62%	\$ (75)	\$ 1,075		\$ 7	-1131%
Sodexo - DBCFV	0	5,096	0	0	N/A	N/A	\$ -	\$ -		\$ -	N/A
One Change	0	1,130	0	0	N/A	N/A	\$ -	\$ -		\$ -	N/A
IPA Third Party Subtotal	53,315	136,515	143,801	84,147	37%	63%	\$ 12,135	\$ 29,785	\$ 34,510	\$ 13,602	89%
IPA Program Total	950,504	883,527	1,320,183	1,179,088	72%	81%	\$ 114,730	\$ 134,863	\$ 196,096	\$ 149,176	77%
EEPS Program Total	626,618	517,369	787,629	803,188	80%	78%	\$ 127,612	\$ 105,235	\$ 153,066	\$ 174,522	73%
EEPS and IPA Program Total	1,577,122	1,400,896	2,107,812	1,982,276	75%	80%	\$ 242,342	\$ 240,098	\$ 349,162	\$ 323,698	75%

Ex-Ante Results

DCEO Bridge Period Program Ex-Ante Results

Programs serving Public Sector and Income Eligible customers transitioned from the Illinois Department of Commerce and Economic Opportunity (DCEO) to the Illinois utilities beginning June 1, 2017. ComEd made the decision to maintain the integrity and providers of the DCEO programs through the transition period for the benefit of participating customers.

At the launch of the Bridge Period, ComEd held webinars for Public Sector customers and Trade Allies, with over 500 customers and Trade Allies participating, to explain the transition of the DCEO programs and new requirements such as pre-applications. Pre-applications are new to the current DCEO programs, but necessary to have a line of sight for forecasting and incentive continuity for the applicants. In addition, ComEd met directly with outreach providers, nonprofit entities, state government agencies, municipalities and waste treatment plants to help socialize and ease the transition period and ensure the success of any in-flight Public Sector energy efficiency projects and the continuation of programs aimed at Income Eligible customers.

While implementation preparation for the Bridge Period began Q4, including ComEd reviewing and developing an understanding of the DCEO programs, and beginning to extend contracts and establish 35 DCEO provider agreements all in-flight simultaneously. However, due to the condensed timeline for the transition, this work continued into Q5. During this time, new co-branded collaterals and customer facing materials were also developed for the transition period to balance new enhanced program requirements with DCEO program familiarity. Many of the jointly funded programs required a collaborative effort with customer facing collateral and contract language revisions between the gas utilities, DCEO legacy suppliers and ComEd implementation contractors. DCEO providers also had to get up to speed on utility invoicing and energy data reporting protocols, due to significantly different processes and systems from those that they were accustomed to with the State. This has contributed to a relatively slow start for the programs in Q5, and additionally, work that has been completed has not necessarily been paid out or fully counted due system transitions.

With the first quarter of the Bridge Period under our belts, the ComEd team and all providers are confident that we will meet our spending and savings goals by the end of 2017.



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.

- **202,416 MWh savings achieved (73% of forecast) based on 3,331 projects**
- Program participation continues to be strong. The program is on track to have 4,000 projects to be completed in PY9 and over 1,600 additional projects to be completed in 2018. National account applications, in particular, are playing a key role in driving program participation.
- Additional engineering and application processing resources are being hired to handle the influx of bulk and public sector applications.

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.

- **14,485 MWh savings achieved (49% of forecast) based on 93 projects**
- The program has received applications for a variety of projects. ComEd engineers are able to collaborate with the customer/consultant on how best to verify the savings in order to maximize custom incentives.
- The program continues to perform below

Custom (continued)

expectations. For improved project management and forecasting, large projects will be monitored more closely, and processes have been adapted to reflect these projects more appropriately in the database.

- There are currently 52 projects in the PY9 pipeline for potential savings of over 32,000 MWh.

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.

- **15,469 MWh savings achieved (70% of forecast) based on 14 projects**
- The program remains strong across a large band of customers, with substantial short and long term pipelines. There currently are potential savings of over 27,000 MWh in the PY9 pipeline.
- A large project with potential savings of over 7,000 MWh is anticipated to complete later this year.
- The program is working closely with clients to track project timelines and monthly forecasts, yielding greater financial predictability and increased customer satisfaction.

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 (TLED) 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.

- **135,870 MWh savings achieved (84% of forecast) based on 1,542,323 products sold**
 - 1,286,902 LEDs sold
 - 225,276 LFLs sold
 - 145 battery chargers sold
- The program saw a significant increase in activity due to TLED sales. The addition of TLEDs this past November increased distributor interest in the program. Since November, distributors have honed their marketing and sale efforts to produce a growing pipeline of TLED sales.
- TLED sales have also increased sales of screw-in products to a lesser extent.

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.

- **23,088 MWh savings achieved (77% of forecast) based on 74 projects**
 - 4 monitoring-based commissioning (MBCx) project completed
 - 39 RCx Building Tune-Up (buildings less than 150,000 square feet) projects completed
 - 20 RCxpress (buildings between 150,000 and 400,000 square feet) project completed

Retro-Commissioning (RCx) (continued)

- 11 RCx (buildings over 400,000 square feet) projects completed
- The program is currently investigating strategies for driving additional project volume to fill the 2018 project pipeline.
- 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 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.
- A MBCx educational event was hosted by BOMA-Chicago in June, with support of the program. Several past MBCx participants shared their success stories with over 50 other BOMA-Chicago members in attendance. Following the event, ComEd hosted the MBCx service providers for an interactive meeting with a representative of the Department of Energy's Smart Energy Analytics campaign; ComEd is a partner in this initiative.
- There are over 110 active projects in the PY9 pipeline for potential savings of 7,500 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.

- **8,472 MWh savings achieved (53% of forecast) based on 753 projects**
- The program has incorporated a new project management strategy for passing leads to contractors. A project kick-off call between the contractor and customer is facilitated by program outreach staff to ensure consistent and accurate program details. The call provides the customer with an introduction to the program and contractor and opens a discussion surrounding the proposed scope of work.
- The program will continue to recruit HVAC contractors who are interested in using the program to expand their business and who have the capacity to take on additional projects. The program will also focus on recruiting additional contractors that currently participate in energy efficiency programs outside of AirCare Plus.

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.

- **22,272 MWh savings achieved (71% of forecast) based on 64 projects**

Industrial Systems (continued)

- There are over 35 projects in the PY9 pipeline for potential savings of over 9,000 MWh.
- Program-specific marketing activities are being planned for the remainder of PY9 to build the 2018 pipeline.
- The majority of 10MW+ customers were only able to implement a portion of their planned Energy Conservation Measures before the May 31st deadline imposed by the Future Energy Jobs Act.

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.

- **1,902 MWh savings achieved (96% of forecast)**
- Since inception in PY7, over 1,780 operational measures have been identified for potential savings of over 37,200 MWh. Over 250 of these operational measures have been implemented by customers.
- 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 46% when compared to PY8.
- Over 190 operational measures have been implemented through Q5, 324% 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.

- **11,735 MWh savings achieved (469% of forecast)**
- The pilot cohort completed its second year on December 31st with estimated savings of 5,431 MWh.
- The second cohort, including 3 hospitals, 4 universities, and 2 industrial manufacturers, completed its first year on May 31st with estimated savings of 6,304 MWh.
- A practitioner cohort with Nicor began in July. It is open to any customer that has completed the first year of SEM. There are six participants at this time.
- Recruiting for a third cohort with Nicor began in August.

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.

- **45,187 MWh savings achieved (81% of forecast) based on 76 projects**
- The program accepted 33 new project applications in Q5, of which 5 were Expedited Assistance, 3 were Accelerated Performance, and 6 were public sector projects.
- There are 21 projects in the PY9 pipeline for

C&I New Construction (continued)

potential savings of over 7,900 MWh.

- The program is currently forecasting to come in below the PY9 savings goal. Because there is a market trend toward smaller average building size, the program will need to serve more projects to meet the savings goal. Savings per project will decrease, while cost per kWh will increase.
- The program is expecting over 100 projects to complete in 2018, and average project size has fallen to 230,000 square feet.

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 misers, occupancy controls, and programmable thermostats.

- **6,342 MWh savings achieved (71% of forecast) based on 270 projects**
- Energy-saving products have been installed in the common areas of 270 multi-family buildings.
- The joint pilot program with North Shore Gas and Peoples Gas resulted in the completion of approximately 150 building assessments during Q5. Direct install replacement of existing bulbs, along with about 90 projects assigned to the closed network of Trade Allies who install free energy efficiency improvement products, were also completed in the common areas of these buildings.



EEPS Programs – Residential

Fridge and Freezer Recycling

Overview: The Fridge and Freezer Recycling Program provides ComEd customers free pickup and recycling of older, working refrigerators and freezers from residential customer homes. In addition to free pickup, customers receive a \$50 dollar incentive for fridge and freezer units and \$10 for AC units when collected in conjunction. Customers can enroll via phone, following the prompts on the ComEd® Energy Efficiency Program hotline at 855-433-2700, or through the ComEd website.

- **30,728 MWh savings achieved (92% of forecast) based on 64,264 pickups**
- Over 15,500 appliances were recycled in Q5.
- ComEd has collected and responsibly recycled more than 355,000 refrigerators and freezers since we began to offer this service to our customers in June 2008.
- Customer participation has been steady and strong throughout the quarter. Customer Satisfaction continues to average 9.5 on a 10 point scale.
- The program is in an excellent position to achieve PY9 goal of collecting a total of 71,502 units by the end of 2017.

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.

- **23,691 MWh savings achieved (67% of forecast) based on 148,881 appliance rebates issued**
- The program introduced a tier 1 advanced power strip for \$1.00 at Dollar Tree stores in a partnership with the manufacturer Globe. This

EEPS Programs – Residential

Appliance Rebates (continued)

offer is being promoted in 44 stores targeting ComEd income eligible customers.

- Nest.com launched a new process which allows ComEd customers to receive instant rebates using the same functionality currently in place for the ComEd Marketplace. The customer can purchase a qualifying Nest smart thermostat and receive an instant rebate at the time of purchase without having to complete a rebate application.
- Fourth of July promotions sponsored by two of the leading smart thermostat manufacturers resulted in increased smart thermostat sales during the month of July.

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 LEDs, advanced power strips, programmable thermostats, WaterSense® certified showerheads, faucet aerators, and hot water pipe insulation. Ecobee4 smart thermostats are also available for purchase at a discount and include free installation.

- **18,112 MWh savings achieved (74% of forecast) based on 17,637 assessments**
- Over 3,100 customers received assessments in Q5.
- All LEDs have been offered for free since the beginning of Q5.
- The Ecobee4 is now offered instead of the Ecobee3 at the same discounted price of \$150, including free installation.
- Program savings per home are higher than originally forecasted due to the popularity of free specialty indoor LEDs and advanced

power strips. Program popularity has also seen an increase over the program year.

Heating & Cooling Rebates

Overview: The Heating & Cooling Rebates 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.

- **14,907 MWh savings achieved (79% of forecast) based on 17,380 rebates**
- Over 2,700 customers received rebates for energy efficient heating and cooling equipment, including contractor-installed smart thermostats, in Q5.
- A new customer and ComEd Residential Trade Ally rebate portal successfully launched in July, producing increased online participation, faster application processing, and enhanced tracking capabilities.
- The program launched a smart thermostat package rebate bonus in August which, in combination with contractor education and the expansion of the smart thermostat qualified product list, resulted in increased smart thermostat installations.

Weatherization Rebates

Overview: The Weatherization Rebates Program promotes investment in long-term savings by providing rebates for the purchase and installation of weatherization measures including air sealing, duct sealing, and attic and wall insulation. The program is offered jointly with Nicor Gas, North Shore Gas and Peoples Gas.

- **992 MWh savings achieved (81% of forecast) based on 2,302 projects**
- Over 150 customers received rebates for completing weatherization projects in Q5.

EEPS Programs – Residential

Weatherization Rebates (continued)

- Total number of Approved Weatherization Contractors remained static as the program continues to have territory wide coverage for weatherization rebates.
- Participation in the Nicor Gas service territory continues to perform particularly strong due the focus of a trade ally, Elite Energy Efficiency, to complete projects in the Nicor Gas service territory.

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 LEDs, advanced power strips, faucet aerators, showerheads, programmable thermostats, and pipe insulation.

- **4,665 MWh savings achieved (93% of forecast) based on 20,191 units**
- Installation of standard CFLs ended June 1st. In their place, standard LEDs are now being used to perform lighting efficiency upgrades in addition to specialty LEDs.
- Steady progress to goal continued with more than 3,200 residential tenant spaces at multi-family properties visited in Q5, helping to improve the energy efficiency and reduce energy costs for these 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.

- **749 MWh savings achieved (89% of forecast) based on 948 homes**
- A total of 247 homes served jointly by ComEd and Nicor Gas were completed and verified in Q5. These homes achieved an average savings of over 745 kWh.
- A total of 165 of the qualified joint new homes in PY9 have met the highest program tier with modeled savings of at least 30 percent or greater than the current Illinois energy code (IECC 2015).
- Additionally, a total of 429 of the qualified joint new homes in PY9 have met the second highest program tier with modeled savings of at least 25 percent 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 72 builders and 10 raters are actively engaged in the program.

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.

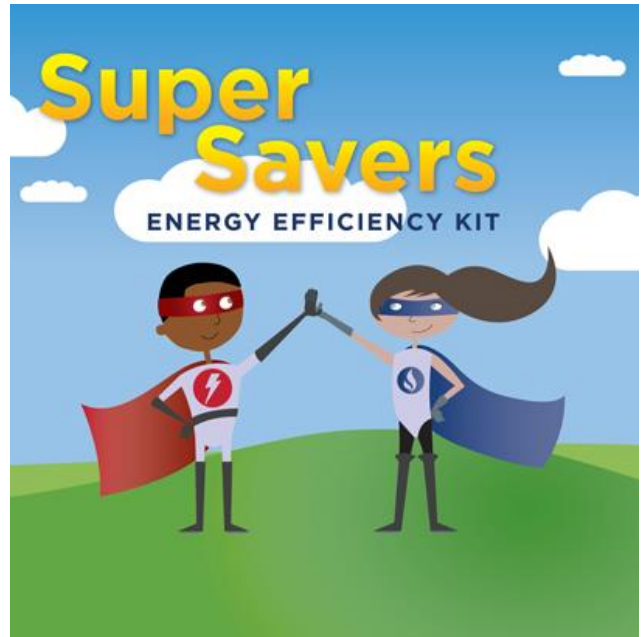
- **3,722 MWh savings achieved (65% of forecast) based on 25,844 kits**
- The PY9 kit goal was expanded from approximately 25,750 to 41,272 kits through

EEPS Programs – Residential

Elementary Energy Education (Super Savers) (continued)

December 2017.

- New for the 2017 school year, all three bulbs included in the kit are LEDs.
- The program continues to successfully collaborate with partnering gas utilities on co-branded materials, a web portal to support teacher enrollment and student resources, and vendor and program management.





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.

- **192,257 MWh savings achieved (82% of forecast) based on 7,434 projects**
- Over 1,300 customers were provided with energy-saving products in Q5.
- A TA mentorship pilot program launched at the end of May.
- The program launched a joint offering approach for screw-in LEDs and exit signs for the SBES and BILD programs.
- Pre-application volume increased toward the end of July, six weeks after launching a summer targeting campaign focused on low participating geographies.
- The program selected one of the two digital assessment tools tested in Q4 to streamline participation paperwork, improve data quality, and provide a premier customer experience.

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.

- **313,353 MWh savings achieved (85% of forecast) based on 14,622,643 units sold**
 - 2,625,479 CFL bulbs sold
 - 11,530,069 LED bulbs sold
 - 467,095 LED trim kits sold
- Instant discounts on LED lighting are now available through Amazon.com; one lighting manufacturer has partnered with Amazon.com to offer the instant discounts to customers. More manufacturers are in the process of partnering

Lighting Discounts (continued)

with Amazon.com as well.

- A new line of integrated LED fixtures has been introduced into the program with in-store instant discounts from ComEd. The new product types include, but are not limited to, ceiling flushmounts, shop lights, and exterior coach lights.
- A new Education & Awareness campaign is in market for Lighting Discounts promoting the in-store instant discounts available from ComEd on LEDs. This campaign will include a new TV spot, print, and digital ads.
- The Lighting Field Rep team conducted over 450 in-store lighting demonstrations and trained more than 14,000 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.

- **369,819 MWh savings achieved (79% of forecast)**
- The program is reaching 1.7 million participants with a low opt-out rate and high customer satisfaction through customer inquiries; 900,000 of these customers also receive email Home Energy Reports.
- In Q5, 160,000 refill customers were enrolled into paper Home Energy Reports. Refill customers are to maintain an average of 1.7 million recipients throughout the program year after attrition. Approximately 280,000 customers were also enrolled into email Home Energy Reports.
- In June, 100,000 customers were auto-

enrolled in High-Usage Alerts in an effort to maximize energy savings and increase customer satisfaction.

- There continues to be a steady volume of approximately 120 customer inquiries per month. Each customer inquiry is responded to personally and promptly. A portion of customer inquiries also require technical support and coordination with our engineering group.

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.

- **1,005 MWh savings achieved (18% of forecast) based on approximately 1,630 fixtures installed in 6 municipalities**
- The program has signed up 31 municipalities to install approximately 5,000 fixtures for potential savings of 3,000 MWh.
- The program completed the installation of 500 fixtures at the end of May and into June, but savings have not yet been reported due to a change in the account process for paying incentives on street lights.
- 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)**
- The program ended May 31st.

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.

- **1,612 MWh savings achieved (100% of forecast)**
- The program ended May 31st.

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

- **0 MWh savings achieved (0% of forecast)**
- The program ended May 31st.

IPA Programs – Third Party

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.

- **1,705 MWh savings achieved (81% of forecast) based on 12,250 kits**
- A total of 12,150 energy-saving kits, consisting of 6,309 natural gas kits and 2,069 electric kits, have been shipped to households in the ComEd service territory.
- The program has been well received and is on track to achieve the extended 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 (8% of forecast) based on 66 projects**
- The program has discontinued offering all previous measures and is now only offering a commercial programmable thermostat replacement measure.
- A re-design of the program and the use of conservative deemed-savings for the commercial programmable thermostat measure that can be offered to schools without existing commercial programmable thermostats. This new measure will bring significant savings to schools that may not have otherwise been able to afford energy efficiency measures.

- The program will contact 2,600 schools to offer them programmable thermostat replacements until the PY9 savings goal has been met.

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.

- **779 MWh savings achieved (100% of forecast) based on 22 projects**
- The program began offering linear LEDs in Q5.
- Although schools have extraneous amounts of equipment that can be retrofitted with newer lighting technologies, a significant percentage of facilities copays make the program offerings unappealing to the customers. This makes it difficult to recruit sites and keep a steady pipeline.

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.

- **303 MWh savings achieved (53% of forecast)**
- The program has coordinated installs with the Duncan Donuts franchise chains throughout the ComEd service territory.
- The program has also made contact with multiple Arby's franchise owners. Matrix will be implementing DBVFC at pilot sites before the remaining stores are signed. This group of franchises will contribute greatly to the success of the program.

IPA Programs – Third Party

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.

- **9,158 MWh savings achieved (63% of forecast) based on 1,230 projects**
- The program has incorporated a new project management strategy for passing leads to contractors. A project kick-off call between the contractor and customer is facilitated by program outreach staff. The call provides the customer with an introduction to the program and contractor and opens a discussion surrounding the scope of work.
- The program will continue to recruit HVAC contractors who are interested in using the program to expand their business and who have the capacity to take on additional projects. The program will also focus on recruiting additional contractors that currently participate in energy efficiency programs outside of AirCare Plus.

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 assistance 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).

- **673 MWh savings achieved (62% of forecast)**
- In Q5, the program verified two projects that completed construction, reducing the number of projects remaining in the program to four. The extension of the program year through December 2017 has allowed for additional time to complete the verification work on projects that would have otherwise been outside of the original two year scope.
- There currently are 4 buildings in the PY9 pipeline for potential savings of 315 MWh. The program is forecasting 32% of the savings goal.

Power TakeOff – Energy Advisor Program

Overview: Using analysis of AML data, Power Takeoff identifies customers with a peak demand of less than 100 kW that have significant potential for operational savings. When such a customer is identified, Power Takeoff reaches out directly to engage the customer and provides recommendations to help them operate their facility more efficiently. The customer documents the changes to operations that are made, and Power Takeoff measures and verifies savings using the same AML data. Since the change in usage over time needs to be adequately demonstrated, verification takes three to six months to complete.

- **549 MWh savings achieved (43% of forecast)**
- The program was extended to December 2017.
- Support from the LCS team for national accounts has been very valuable in providing introductions to the appropriate customer personnel for Power Takeoff to work with.
- There are potential savings of 730 MWh in PY9 pipeline.

IPA Programs – Third Party

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.

- **1,021 MWh savings achieved (17% of forecast) based on 184 HVAC units**
- The program has received applications for approximately 412 HVAC measures with one to five measures for every application.
- The average size of each HVAC unit has been substantially larger and more customized than originally anticipated, and the number of measures at each client site is greater as well. These two elements will increase the savings on a per unit basis.
- The program has reached over 200 facilities with the City of Chicago.

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.

- **17,058 MWh savings achieved (84% of forecast) based on 1,073,431 bulbs distributed**
- The program is partnered with three food banks, which have collectively signed up over 600 participating food pantries.
- The transition to LEDs will begin in Q6, increasing kWh savings per bulb distributed. The first orders of LED bulbs will be distributed throughout the remainder of the program year.
- 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.

- **2,887 MWh savings achieved (62% of forecast) based on 59 projects**
- There are 42 projects in the PY9 pipeline for potential savings of over 1,800 MWh.
- The program expanded its contractor network and incorporated three new lighting measures.
- The program increased the incentive for High Bay fixture replacements. The increased incentive further reduces customer cost and aids project sales.
- CLEAResult now processes contractor incentives immediately upon approval of the invoice, while previously CLEAResult waited until payment was received to process incentives. This is a major benefit to our participating contractors because it allows them to maintain cash flow and fund future projects at a higher rate.

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.

- **487 MWh savings achieved (41% of forecast) based on 13 projects**
- The program has completed 31 assessments and has 31 buildings enrolled. Thirteen of those have completed projects.
- A shift in measure category budgets in the

IPA Programs – Third Party

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

- original program scope of work from HVAC,
- A shift in measure category budgets in the original program scope of work from HVAC, refrigeration and envelope to lighting measures was approved at the end of August.
- The program reached maximum savings allocated for the lighting retrofit category in the original scope of work. However, the approved scope change allows the program to proceed towards meeting goals by conducting more lighting retrofit work.

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.

- **3,997 MWh savings achieved (63% of forecast) based on 16,536 kits**
- The program is on track to meet the PY9 savings goal and still has 9,660 kits to deliver for estimated savings of 2,320 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)**
- The program was an extension of an existing DCEO program, and it did not switch over to IPA TPEP funding before ending May 31st.

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.

- **1,527 MWh savings achieved (78% of forecast) based on approximately 4,675 kits**
- The program is currently on track to meet the PY9 savings goal.
- The retail kit continues to be a challenge due to the unique MR-16 bulb in each kit. Customers either don't have MR-16's, or they don't know if they have MR-16's.
- Participants have provided positive feedback.
 - "Love the power strip!"
 - "Very much appreciate the kit, installed everything right away"

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

IPA Programs – Third Party

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

The program is delivered through local Trade Allies.

- **563 MWh savings achieved (87% of forecast) based on 458 measures**
- 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.
- Equipment dealers and producers are very excited that there is a program just for agricultural customers as they feel there has not been one in the past, and they are spreading the word to friends and neighbors.

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.

- **10,572 MWh savings achieved (67% of forecast) based on 39,588 measures**
- There are currently 63 TAs in network with 33 of them actively doing assessments and completing projects.
- Some TAs have trained new staff on the program in order to keep up with demand.
- Q5 has been by far the busiest and most productive quarter so far. The program's success can be attributed to the ongoing relationship building that GDS has fostered with TAs.
- There are over 28,800 measures the PY9 pipeline for potential savings of over 5,100 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)**
- The program was an extension of an existing DCEO program, and it did not switch over to IPA TPEP funding before ending May 31st.



DCEO Bridge Period Programs - Income Eligible

Illinois Home Weatherization Assistance Program (IHWAP)

Overview: The Illinois Home Weatherization Assistance Program (IHWAP) Program is delivered in conjunction with the State of Illinois Office of Community Assistance who is responsible for the distribution and management of Federal and State Weatherization Assistance Program funding. The program is delivered downstream through Community Action Agencies (CAAs) located throughout the ComEd service territory who help income eligible residents to install energy efficient measures to achieve energy and cost savings. CAAs serve as the vehicles for delivering awareness and services to income eligible customers and utility funding is blended with federal and state funding to allow more projects to be completed. This program is carried out through a Memorandum of Understanding (MOU) with the State of Illinois and is implemented by Franklin Energy.

- For the bridge period of June to December 2017, ComEd began implementing the Illinois Home Weatherization Assistance Program formerly implemented by DCEO.
- The program continues to become fully operational as ComEd better understands how the program was implemented and carried out previously. Challenges with data exchange, integration and frequency continue to progress.
- Based on feedback from the implementation contractor, first three months of the bridge period performed under the original projections from an energy savings and financial perspective. IHWAP does not anticipate being able to fully make up the savings and financial shortfalls in Q5 before the end of the bridge period.

Single-Family Income Eligible – Chicago Bungalow Association (CBA)

Overview: The Single-Family Income Eligible Program identifies and determines qualified vintage homeowners located in the City of Chicago and

DCEO Bridge Period Programs - Income Eligible

Single-Family Income Eligible – Chicago Bungalow Association (CBA) (continued)

coordinates Home Assessments to identify areas prone to air leaks or drafts and works with contractors to make weatherization updates at no cost to the customer. This program covers costs associated with completing air sealing, attic and wall insulation, duct sealing, direct install measures (LEDs, water saving measures, programmable thermostats) as well as Health & Safety improvements. This program is delivered in partnership with Peoples Gas and is implemented by Franklin Energy.

- For the bridge period of June to December 2017, ComEd began implementing the Single-Family Income Eligible Program formerly implemented by DCEO. The program is fully operational at this time.
- Since the start of the bridge period, over 270 income eligible customers have had projects completed in their homes at no out-of-pocket expense.
- With a goal to complete 450 projects during the bridge period, CBA is expected to have all funds committed to projects by the end of September which will take the remaining months of the year to complete. Additionally, CBA will continue to accept customer applications to help build a strong pipeline for 2018.

Multi-Family Income Eligible

Overview: In partnership with Nicor Gas and Peoples Gas, the Multi-Family Income Eligible Program provides multi-family properties with free in-unit and common area energy assessments and installation of energy-saving products that may include ENERGY STAR® certified LEDs, T8 lighting retrofits, vending misers, occupancy sensor controls, advanced power strips, faucet aerators, showerheads, and programmable thermostats. The program also provides project management and application assistance for

measures outside of the direct install scope.

- For the bridge period of June to December 2017, ComEd began implementing the Multi-Family Income Eligible Program formerly implemented by DCEO.
- While some progress was made on completing work during Q5, specifically at buildings in the Peoples Gas area, the vast majority of the forecasted measures and related energy savings are expected to be realized during Q6.
- The size and quantity of lighting projects, both direct install and contractor retrofit, has led to a downward adjustment in the forecast savings through Q6.

Affordable Housing New Construction

Overview: Affordable Housing New Construction offers technical support and incentives for whole-building efficiency for new construction and rehab projects that increase the energy efficiency of income eligible households.

- For the bridge period of June to December 2017, ComEd began implementing the affordable housing program formerly implemented by DCEO.
- ComEd has strived to maintain the original program design and intent, while streamlining program documentation and processes to eliminate elements that solely applied to the previous program. The Confirmation of Construction Start Form is a key addition to the process, which benefits the program in that it serves as a formal signed confirmation from the participant that construction has commenced, so the initial 50 percent incentive payment can be issued.
- In a compressed amount of time, ComEd expedited the planning and implementation of the program to ensure a smooth transition for new incoming projects and existing projects that were active in the DCEO program. Most projects had been on hold for

DCEO Bridge Period Programs - Income Eligible

Affordable Housing New Construction (continued)

an extended period of time prior to the transition, and were patiently waiting for eligibility letters or incentive agreements to share with lenders or to include with applications for funding. ComEd issued these deliverables for 40 projects in the first few weeks of the program and has received much positive feedback from participants.

- There is one project, totaling 78,639 square feet, in the PY9 pipeline for potential savings of 79 MWh.

Public Housing Authority

Overview: The Public Housing Authority Program assists public housing authorities in the ComEd service territory with completing incentive applications for residential and commercial measures and finding any bridge funding needed to complete large capital projects. The program is offered jointly with Nicor Gas, North Shore Gas and Peoples Gas.

- For the bridge period of June to December 2017, ComEd began implementing the Public Housing Authority program formerly implemented by DCEO.
- During Q5 the focus was the transition from DCEO to ComEd, including putting contracts and updated materials in place,
- Although no projects have been completed to date, this is considered somewhat typical of the program, which has historically been slow in the summer months. The program is on track to achieve the PY9 savings goal.



DCEO Bridge Period Programs - Public Sector

Public Sector 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 to public sector customers.

- For the bridge period of June to December 2017, ComEd's Standard element of the C&I Incentives Program began serving public sector customers formerly served by DCEO.
- Demand for the program is strong. In particular, street lighting projects dominate the kWh and incentives, accounting for more than 50 percent of the program.
- Implementation contractor staff resources are not keeping up with demand of program. Influx of bulk and public sector applications are putting strain on IC in processing time of pre and final applications. IC is adding new staff resources and moving staff to address the influx., particularly as the vast majority of projects are expected to complete and need final processing in November and December.

Public Sector 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.

- For the bridge period of June to December 2017, ComEd's Custom element of the C&I Incentives

DCEO Bridge Period Programs - Public Sector

Public Sector Custom (continued)

Program began serving public sector customers formerly served by DCEO.

- Program participation is steady. While Custom projects make up a small number (14) of total public sector project applications to date, Custom applications received to date make up approximately 28 percent of total MWh savings. In particular, water/waste water treatment projects are dominating public sector Custom savings.
- Implementation contractor staff resources are not keeping up with demand of program. Influx of bulk and public sector applications are putting strain on IC in processing time of pre and final applications. IC is adding new staff resources and moving staff to address the influx.

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.

- For the bridge period of June to December 2017, ComEd's RCx program began serving public sector customers formerly served by DCEO.
- During the bridge period, the implementation contractor will be initiating new RCx projects, but as these will not complete until 2018, the savings ComEd anticipates claiming will be from projects that transitioned over from DCEO and are being wrapped up during the bridge period.

Metropolitan Mayors' Caucus (MMC)

Overview: The MMC Program provides outreach support to facilitate the submittal of Standard and Custom applications from municipalities. As a pay for performance outreach program, MMC is paid 18 percent of the final incentive amount.

- For the bridge period of June to December 2017, ComEd began implementing the MMC Program formerly implemented DCEO. MMC will continue the outreach they provided under DCEO. MMC will continue the outreach they provided under DCEO.
- There are 8 projects in PY19 pipeline with potential savings of 3,350 MWh.
- Projects have been coming in at a slower rate than expected, and it is unlikely the program will be able to reach the original forecast of 7,000 MWh.

Savings Through Efficient Products (STEP)

Overview: Delivered in partnership with Midwest Energy Efficiency Alliance (MEEA), the STEP program provides walk through assessments to identify low cost measures which are shipped to facilities for self-installation upon customer approval. The customer sends MEEA a certificate of completion once the measures are installed.

- For the bridge period of June to December 2017, ComEd began implementing the STEP program formerly implemented by DCEO.
- A total of 52 walk through assessments have been completed.
- early 2018, and ComEd is working with the gas utilities to determine the program framework that will apply.

Public Sector 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

Public Sector C&I New Construction

Overview: The New Construction Program provides technical assistance and incentives for public sector new construction and major renovation projects finishing by December 31, 2017. The program offers prescriptive and custom participation paths.

DCEO Bridge Period Programs - Public Sector

Public Sector C&I New Construction (continued)

- For the bridge period of June to December 2017, ComEd's New Construction program began serving public sector customers formerly served by DCEO.
- There are eight projects, totaling 650,000 square feet, in the PY9 pipeline for potential savings of over 1,200 MWh.
- If all projects in pre-application come to fruition, savings will be significantly above the initial target of 736 MWh.
- A number of projects will not complete until early 2018, and ComEd is working with the gas utilities to determine the program framework that will apply.

Park District – Elevate Energy

Overview: The Park District Program provides outreach support to facilitate the submittal of lighting applications from Park District. As a pay for performance outreach program, Elevate is paid 10 percent of the final incentive amount.

- For the bridge period of June to December 2017, ComEd began implementing the Park District Program formerly implemented DCEO. Elevate will continue the outreach they provided under DCEO.
- There are 10 projects in PY9 pipeline with potential savings of 350 MWh.
- Outreach has been coming in at a slower rate than expected, and it is unlikely the program will be able to reach the original forecast of 900 MWh.

LED Street Lighting – Elevate Energy

Overview: The LED Street Lighting Program provides outreach support to facilitate the submittal of street light applications from municipalities. As a pay for performance outreach program, Elevate is paid 10 or 7 percent of the final incentive amount for municipalities within and outside the City of Chicago, respectively.

- For the bridge period of June to December 2017, ComEd began implementing the Elevate LED Street Lighting program formerly implemented DCEO. Elevate will continue the outreach they provided under DCEO.
- There are 32 projects, 28 within and 4 outside the City of Chicago, in PY9 pipeline with potential savings of 20,000 MWh.
- The street light incentive has resulted in very significant participation on the part of municipalities.
- Most of the municipalities that are participating will need their billing updated by ComEd for any fixtures that are not behind a meter. This challenge is being addressed by the FEJA street light initiative.



DCEO Bridge Period Programs - Market Transformation

Building Operator Certification (BOC)

Overview: This training and certification program for large commercial building managers is a DCEO legacy program operated by the MEEA Team. Energy savings are attributed to both increased awareness of energy efficiency opportunities from the training and from participation in utility programs.

- For the bridge period of June to December 2017, ComEd began implementing the BOC program formerly implemented by DCEO.
- The program is on schedule to begin conducting training in fall 2017.

Building Industry Training and Education (BITE)

Overview: The BITE Program includes general support for applying the new Illinois building code to new construction of residential and commercial buildings. The program includes stakeholder training and general response to code questions.

- For the bridge period of June to December 2017, ComEd began implementing the BITE program formerly implemented by DCEO.
- The program is on schedule to begin conducting training in fall 2017.

Illinois Home Performance (IHP)

Overview: The Illinois Home Performance with ENERGY STAR program consists of processing ENERGY STAR certificates for homeowners, training realtors and appraisers, and conducting a building science training series.

- For the bridge period of June to December 2017, ComEd began implementing the IHP program formerly implemented by DCEO.
- The program has processed 759 IHP certificates for homeowners, held five Building Science Training Series courses, and trained 26 students.
- The program participates in the Clean Energy Town Hall in Aurora, Illinois.
- Results from recently developed contractor and homeowner surveys will be shared in fall 2017.

Public Sector 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)**
- For the bridge period of June to December 2017, ComEd's Data Center element of the C&I Incentives program began serving public sector customers formerly served by DCEO.
- During the bridge period, the program is focused on getting pre-applications for 2018 public sector projects



Emerging Technology Activities

Mission: Assess, introduce, and accelerate the adoption of emerging cost-effective energy efficient technologies and services through demonstration and pilot projects in the ComEd service territory that have the potential 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 real-time energy data. Primary customer benefits include increased awareness of electric energy consumption, potentially reduced electric energy use due to behavioral changes.

- Service Launch: December 2014
- Target Customer: ComEd residential customers with smart meters
- 613 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.

- Target Sector: Residential
- Type of Test: Pilot
- Completion Date: December 31st, 2017; savings data will be reported in 2018 Q1.
 - The pilot is being extended until the end of 2017 to test out new features that disaggregate the homes entire energy use, previously only the top 5 appliances were identified.
- Bidgely currently has 1,248 users, and based on preliminary analysis, active users are currently saving around 2.2% of their annual energy use

Emerging Technology Activities

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, engaged the ComEd Industrial Outreach Team to enlist four industrial central plant customers for participation in this one year pilot, evaluated the technology's ability to deliver energy savings for the portfolio and determined the appropriate channel.

- **101 MWh savings achieved based on 1 site**
- Completion Date: Q4 2016
- Root3 software was successfully installed in two locations.

Water/Energy Nexus

Overview: A study is underway to attempt to quantify the energy required to deliver water to a customer site. If this value can be determined, it may allow ComEd to claim energy savings from water reduction measures.

- Target Sector: All
- Type of Test: Study
- Completion Date: 2018 Q2; study findings will be reported in 2018 Q2.

Nest Seasonal Savings

Overview: This summer, Nest thermostat owners within the ComEd service territory were offered the opportunity to opt-in to the Seasonal Savings program, which makes small set-point adjustments to deliver additional energy savings for the customer while balancing comfort requirements.

- Target Sector: Residential
- Type of Test: Pilot

- Completion Date: March 2018; savings data will be reported in 2018 Q2.

Total Connected Savings

Overview: This winter, customers with a Honeywell Wi-Fi thermostat (not a smart-thermostat, i.e., one that can sense occupancy), will be able to enroll into the Total Connected Savings program which provides cloud-based advanced analytics to control the thermostat based on outside weather conditions to increase energy savings while maintaining occupants' comfort.

- Target Sector: Residential
- Type of Test: Pilot
- Completion Date: September 2018; savings data will be reported in 2018 Q4.

Ultra High-Efficiency Income Eligible

Overview: A team of stakeholders and experts designed and deployed retrofit strategies incorporating new heating and cooling technologies for seven housing units located at Rockford Housing Authority's (RHA) Blackhawk Courts this summer. The new technologies include advanced heat-pumps and low capacity furnaces. Tenants will be moving into the retro-fitted units in fall 2017 and data will be collected on the operation of the systems into summer 2018.

- Target Sector: Residential
- Type of Test: Demonstration Project
- Completion Date: August 2018; savings data will be reported in 2018 Q4.
- The retrofit was completed on time; however, move-in of the tenants has been delayed as RHA pursues additional upgrades outside of this pilot.

Emerging Technology Activities

Q-Sync Motors

Overview: A project is being developed with a regional grocery chain to test out Q-Sync motors in their refrigerated display cases and walk-in coolers. Q-Sync motors promise to deliver a higher efficiency solution for low wattage motors compared to current ECM technology.

- Target Sector: Commercial refrigerated systems
- Type of Test: Pilot
- Completion Date: 2018 Q1; savings data will be reported in 2018 Q2.

Alltemp Refrigerant

Overview: Alltemp refrigerant is currently being tested as a replacement for R404a in commercial refrigeration systems at three fast food restaurants and two hotels. This pilot is collecting data to determine if Alltemp is able to reduce refrigeration system energy use compared to standard refrigerants, without requiring significant upgrades to refrigeration equipment.

- Target Sector: Commercial refrigerated systems
- Type of Test: Pilot
- Completion Date: 2018 Q1; savings data will be reported in 2018 Q2.
- Alltemp has been installed in five refrigeration systems across four customer brands in the fast food and retail segment.



Marketing Education & Awareness

PY9 Q5 General Outreach

- Participated in **18** energy efficiency events
- Interacted with approximately **1,327** customers
- Collected approximately **1,352** emails
- Drove **18,416** unique page visits to ComEd.com/HomeSavings

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.

- Running from January – November 2017
- Includes Bill Inserts, Digital and Radio
- Has generated **9,733,211** impressions so far

PY9 Smart thermostat Campaign – Hot Dog/Cool Cat

Overview: The campaign was to promote awareness of smart thermostat rebates with a call to action of ComEd.com/Rebates.

- Included Cinema and Digital
- Has generated **48,899,730** impressions so far

PY9 Smart thermostat Campaign – Sox and Cubs

Overview: The campaign was to promote awareness of smart thermostat rebates with a call to action of ComEd.com/Marketplace.

- 2nd Wave In-market March 28th – April 23rd
- Included Digital, radio and email
- Has generated **35,224,248** impressions so far

PY9 Smart thermostat Campaign – Billboard Spectaculars

Overview: The campaign was to promote awareness of smart thermostat rebates with a call to action of ComEd.com/Rebates.

Marketing Education & Awareness

PY9 Smart thermostat Campaign – Billboard Spectaculars (continued)

- Included Out of Home
- Has generated **2,523,060** impressions so far

PY9 Home Savings Campaign – Billboard Spectaculars

Overview: The campaign was to promote awareness of the Energy Efficiency program with a call to action to learn more at ComEd.com/HomeSavings

- Included Out of Home
- Has generated **1,355,448** impressions so far

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 Post	671,027	541,983	124%
PY9+	Ex Ante	626,618	787,629	80%

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 Post	668,860	623,523	107%
PY9+	Ex Ante	897,189	1,176,382	76%

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 Post	13,114	48,056	27%
PY9+	Ex Ante	53,315	143,801	37%

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	162,915
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 Q5 YTD	PY8	PY7	PY6	PY5	PY4	PY3	PY2	PY1
Net MWh	1,577,122	1,353,001	1,122,657	1,118,649	949,392	944,142	626,715	472,132	163,717
Carbon reduction (tons)	995,010	853,612	708,287	705,758	598,974	595,661	395,396	297,869	103,289
Cars removed from the road	210,363	180,469	149,744	149,210	126,634	125,933	83,594	62,975	21,837
Acres of trees planted	938,688	805,293	668,194	665,809	565,069	561,944	373,015	281,008	97,443
Number of homes powered for 1 year*	175,626	150,668	125,017	124,571	105,723	105,138	69,790	52,576	18,231
Portfolio jobs**	372	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	\$ 149,989,595
IPA	\$ -	\$ -	\$ -	\$ -	\$ 31,329	\$ 29,469,183	\$ 39,150,327	\$ 86,823,029	\$ 117,389,903
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	\$ 70,292,877
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	\$ 337,672,375

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
PY9+ Budget									\$ 182,075,954
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	\$ 149,989,595

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
PY9+ Budget									\$ 161,586,137
Actual YTD						\$ 28,071,420	\$ 38,070,511	\$ 82,440,854	\$ 105,109,940

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
PY9+ Budget									\$ 34,509,535
Actual YTD					\$ 31,329	\$ 1,397,763	\$ 1,079,816	\$ 4,382,175	\$ 12,279,963

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
PY9+ Budget									\$ 60,742,730
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	\$ 70,292,877

Actual YTD expenditures shown in the tables above include portfolio-level expenditures.

*EEPS Expenditures

EEPS Expenditures	PY1	PY2	PY3	PY4	PY5	PY6	PY7	PY8	PY9 Q5 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	\$ 81,501,302
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	\$ 44,080,733
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	\$ 1,023,849
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	\$ 6,415,375
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	\$ 2,029,728
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	\$ 2,775,593
Labor	\$ -	\$ -	\$ -	\$ 2,749,232	\$ 3,214,657	\$ 1,927,888	\$ 4,682,625	\$ 3,299,894	\$ 6,452,353
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	\$ 5,595,911
On-Bill Financing	\$ -	\$ -	\$ 64,018	\$ 173,494	\$ 228,477	\$ 132,562	\$ 110,736	\$ 98,979	\$ 114,752
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	\$ 149,989,595

Total Resource Cost (TRC)

New Measure TRC

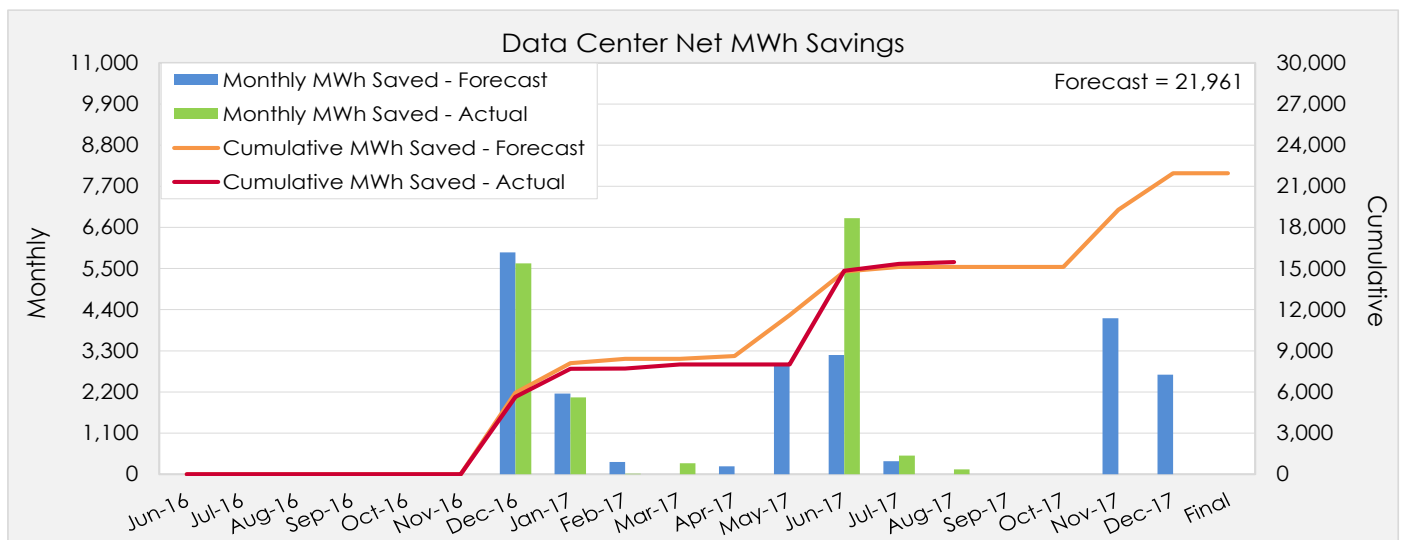
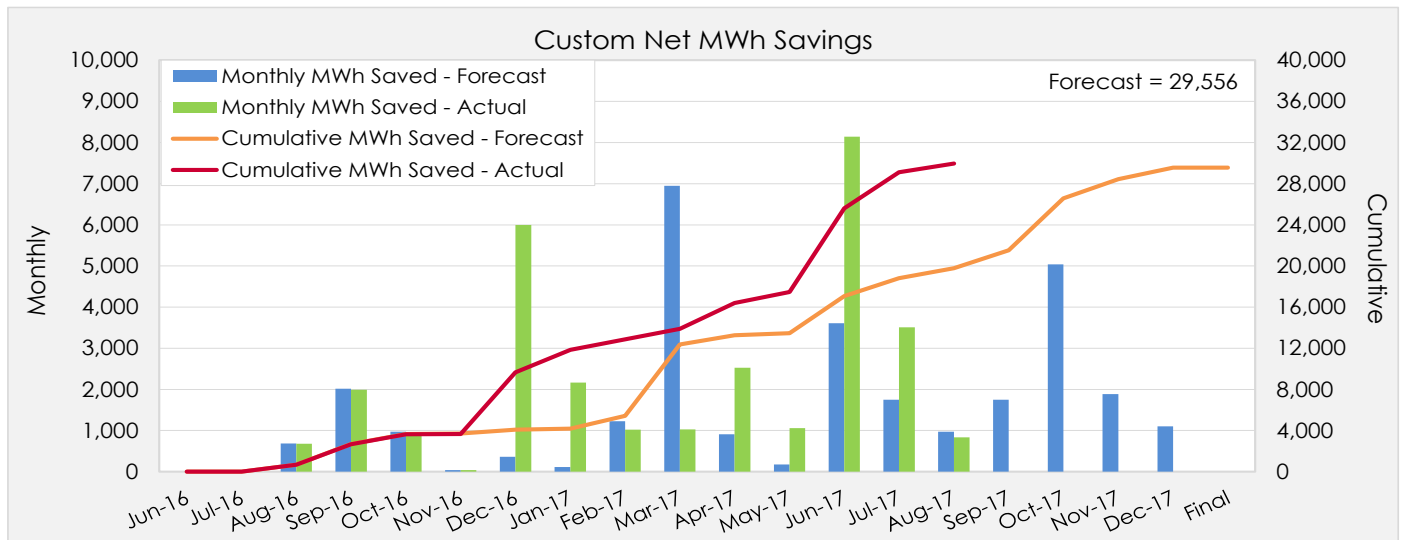
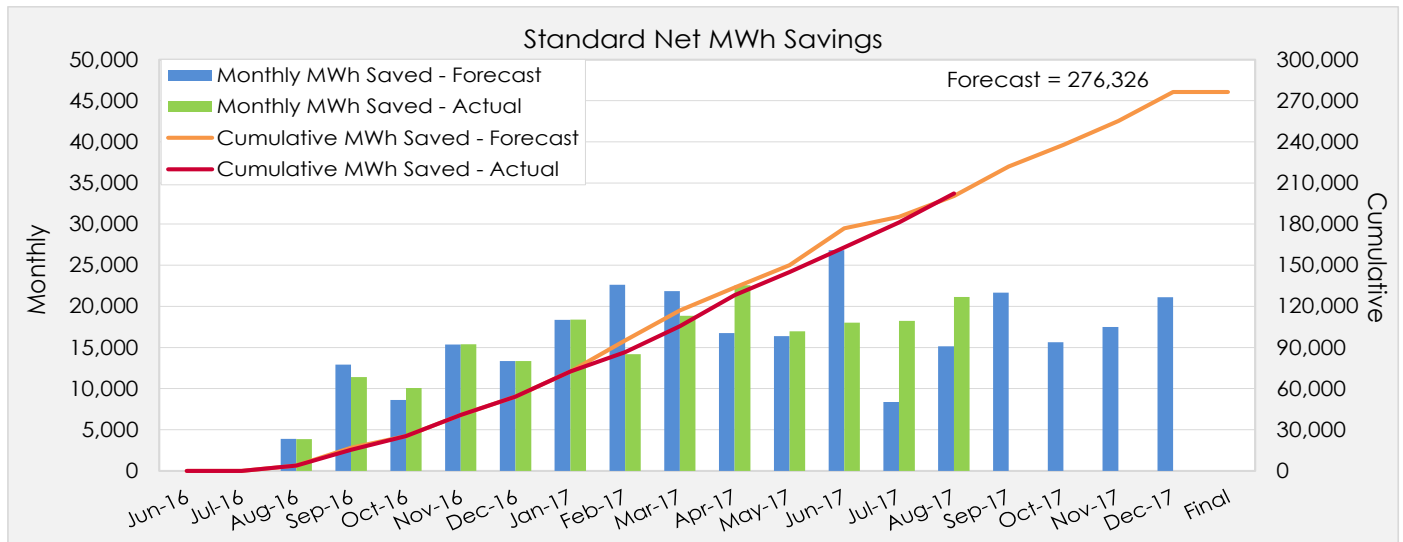
Measure	TRC
C&I	
Heat of Compression Desiccant Air Dryers	0.83
Heated Desiccant Dryer w-VSD Compressor	3.23
Heated Desiccant Dryer w-Load-No-load Compressor	1.22
Heated Desiccant Dryer w-Variable Displacement Compressor	1.87
Blower Purge Desiccant Dryer w-VSD Compressor	3.36
Blower Purge Desiccant Dryer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

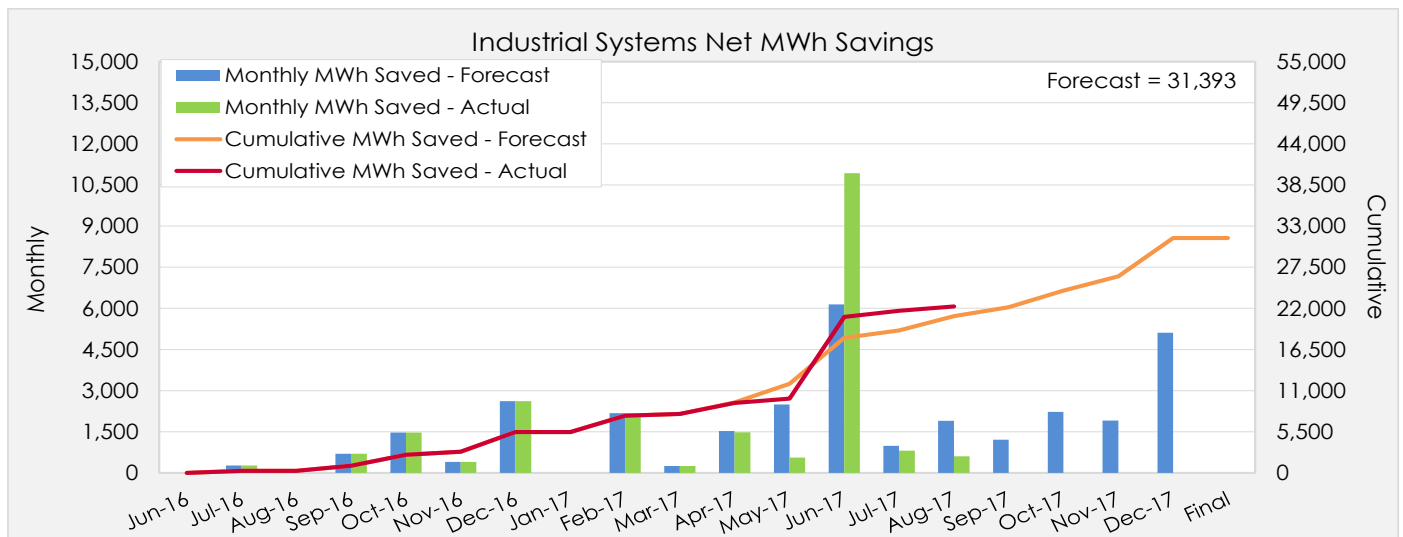
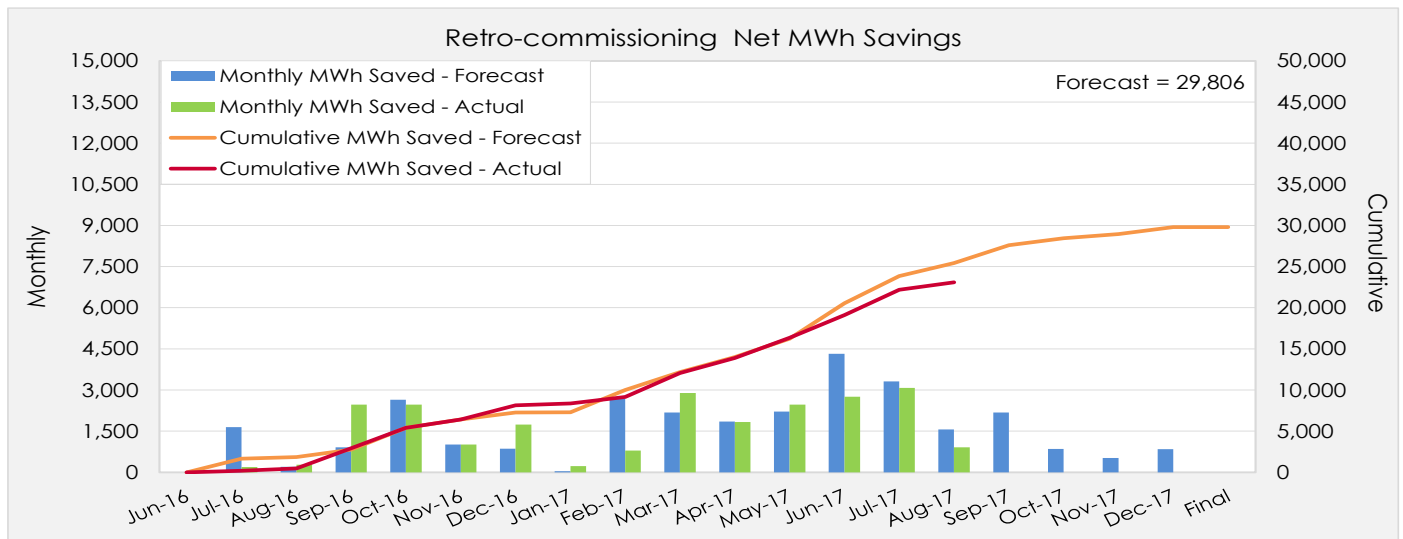
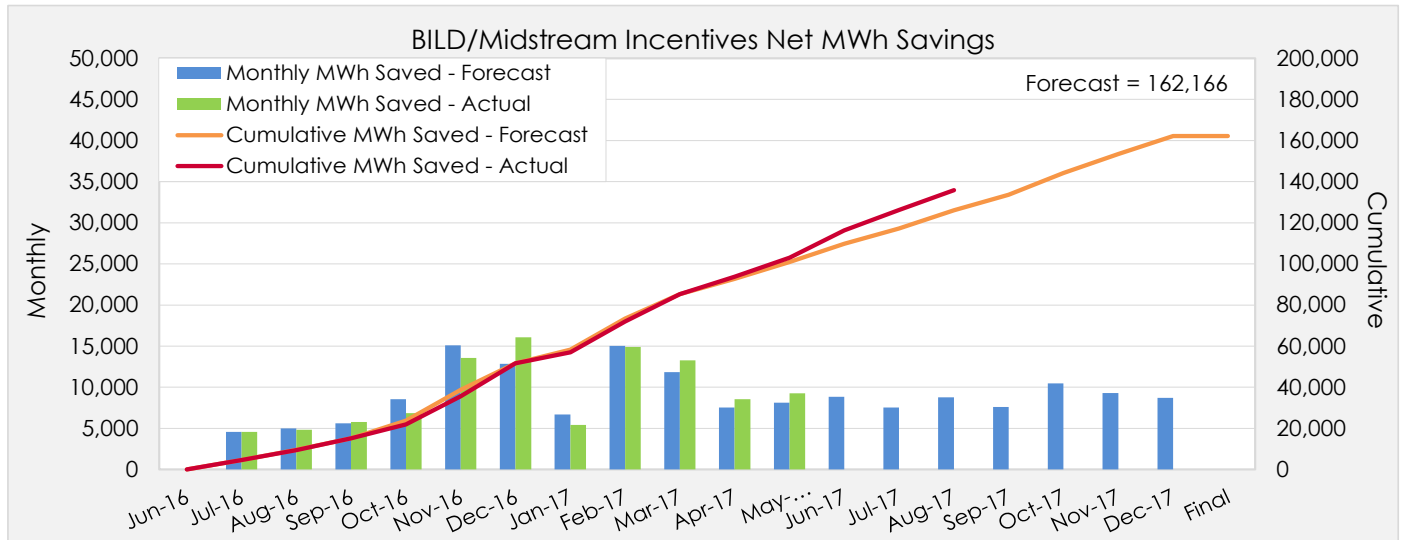
** This is a PY9 addition that was implemented at the end of PY8 for seasonal reasons.

*** 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).

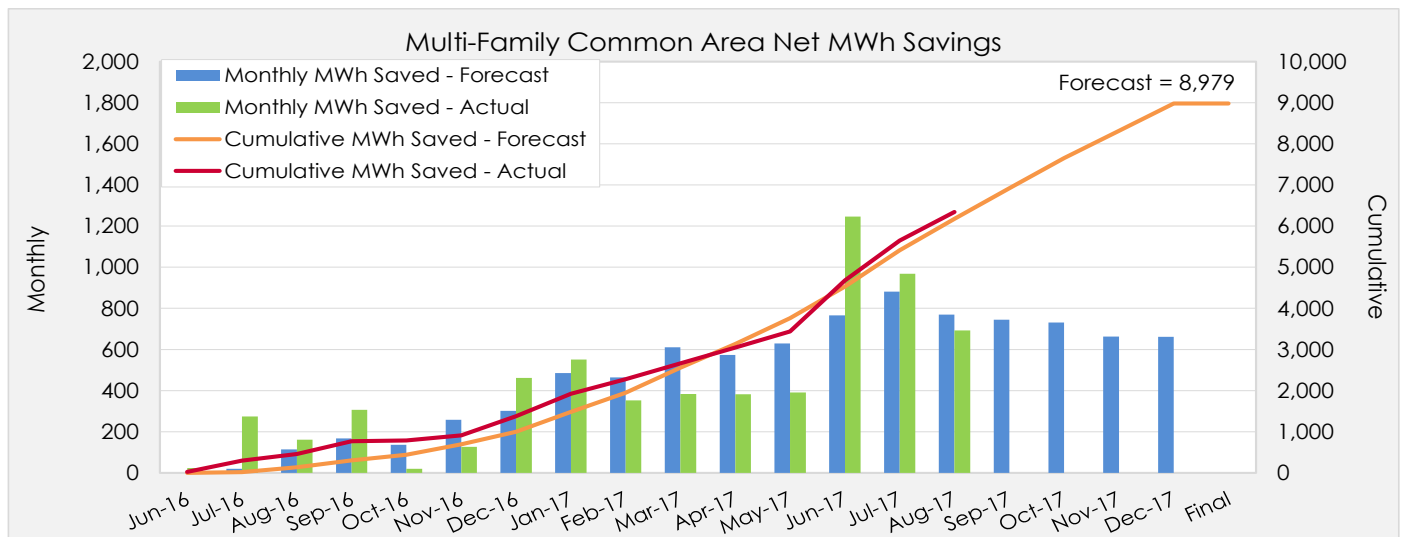
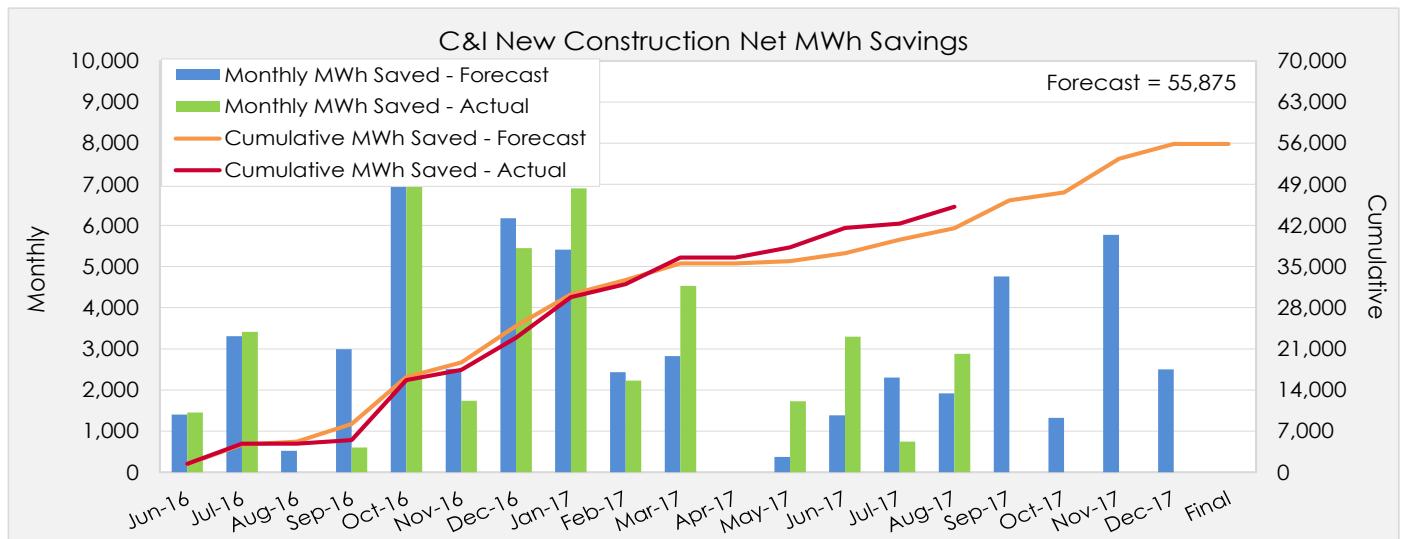
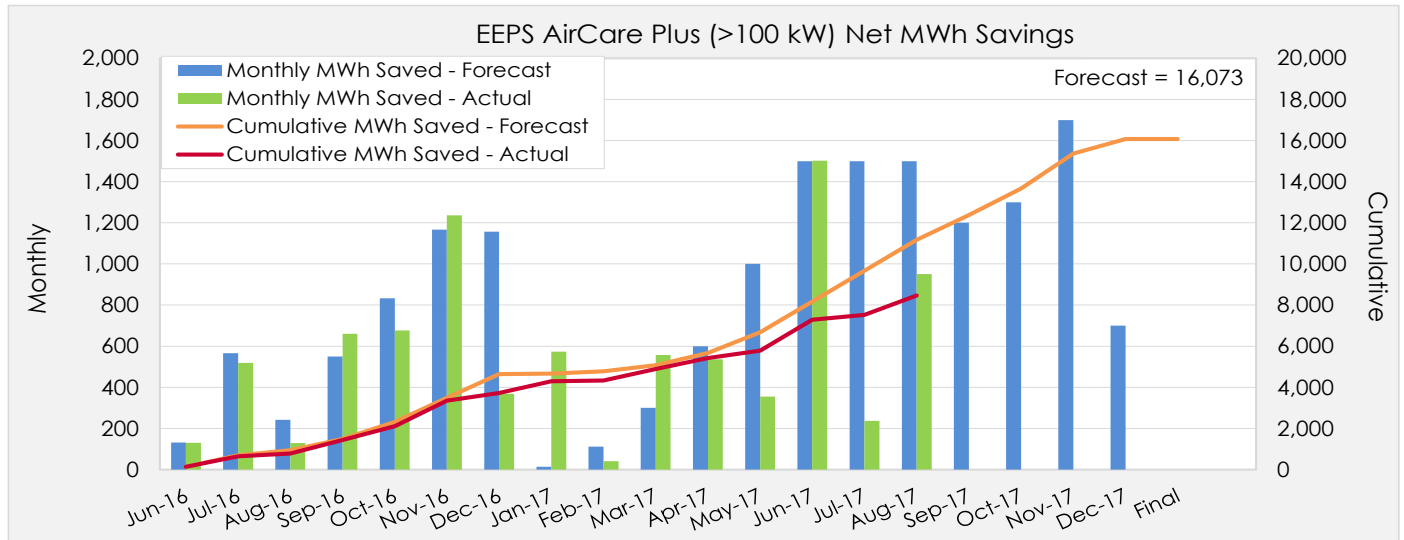
EEPS Programs – Business – Monthly



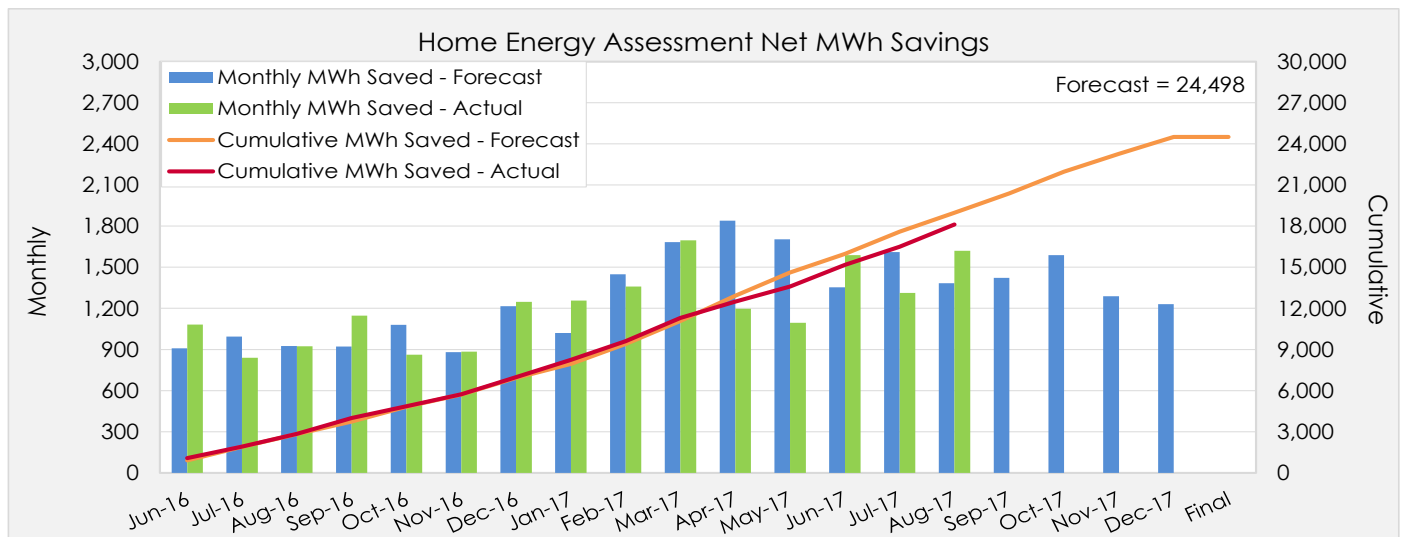
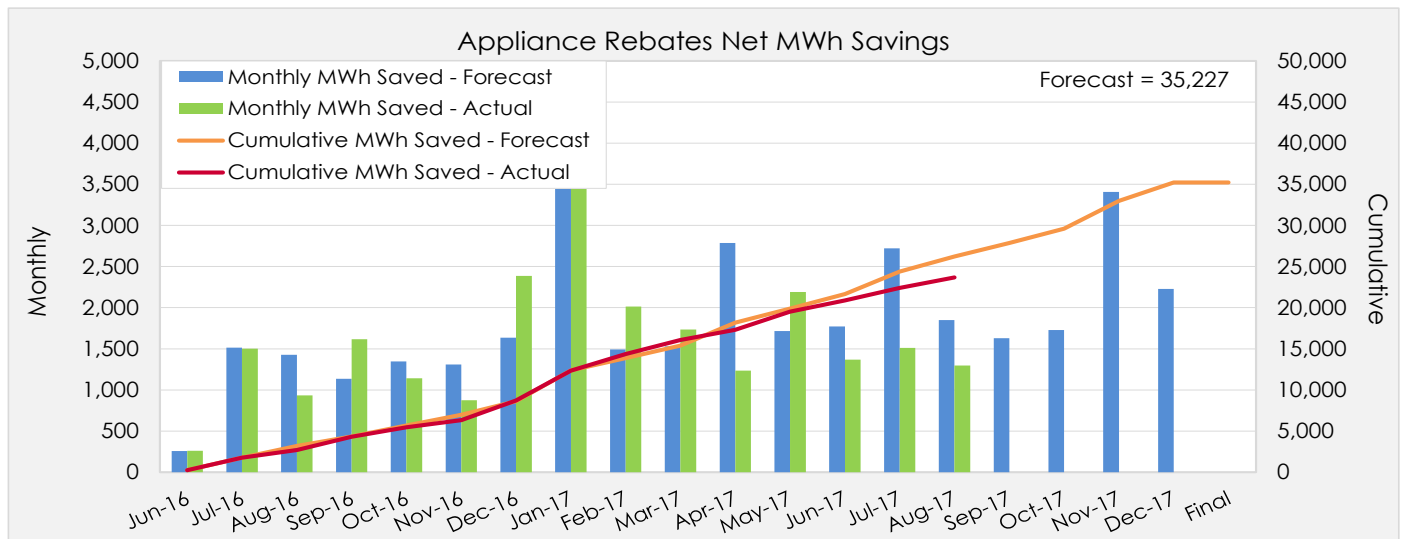
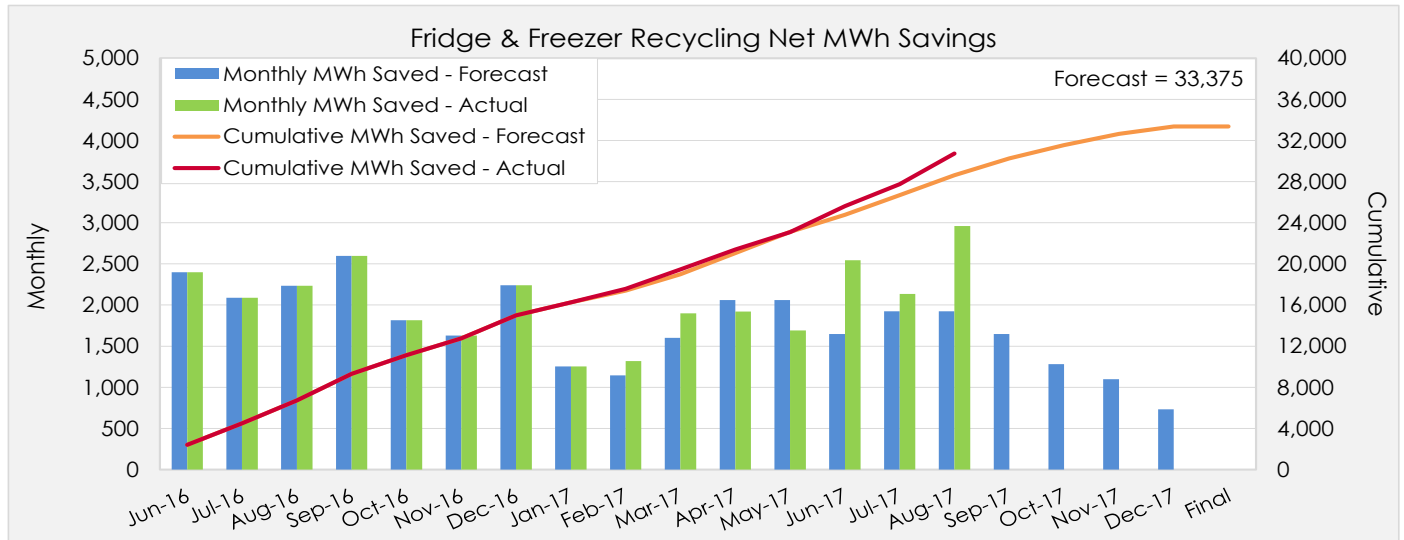
EEPS Programs – Business – Monthly



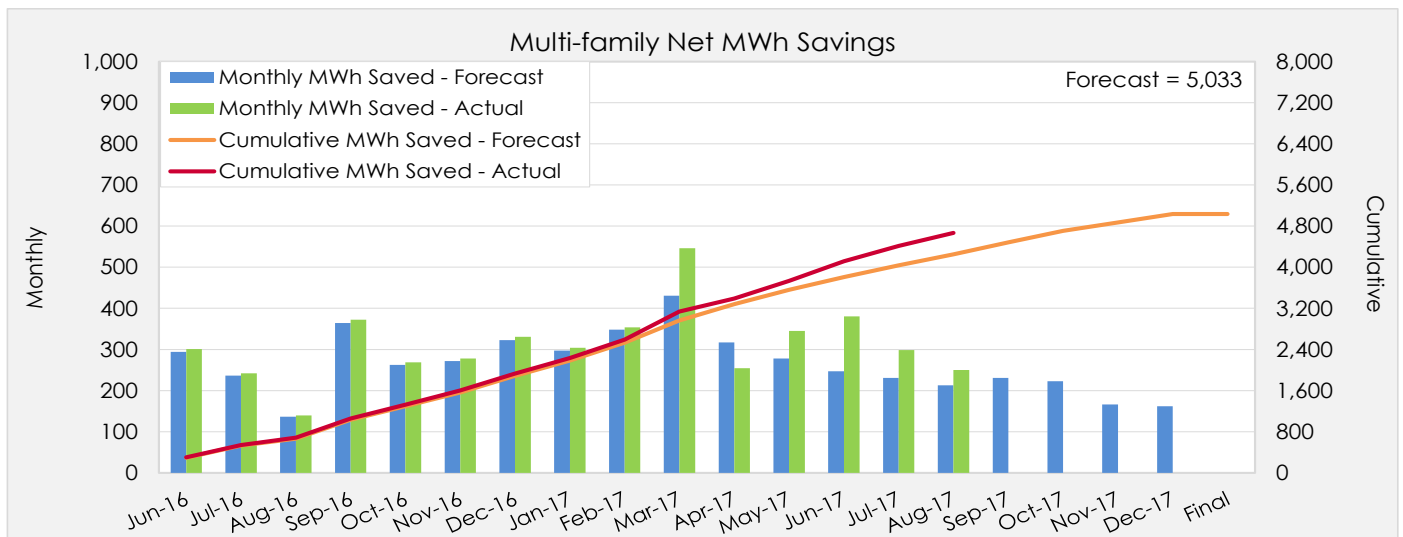
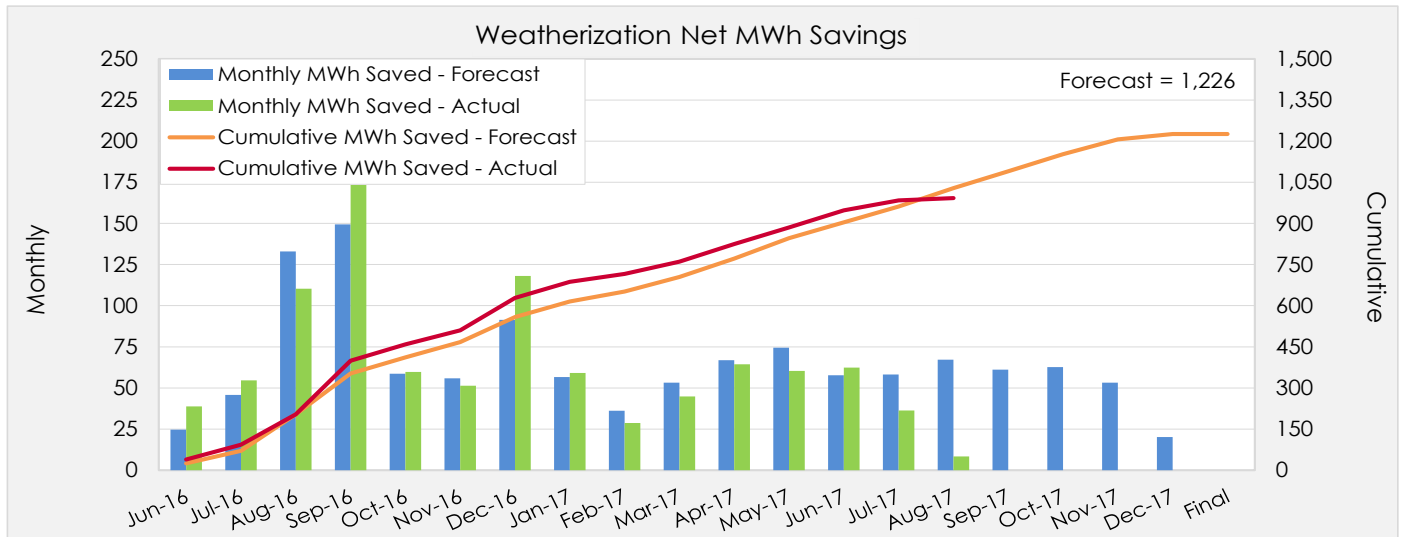
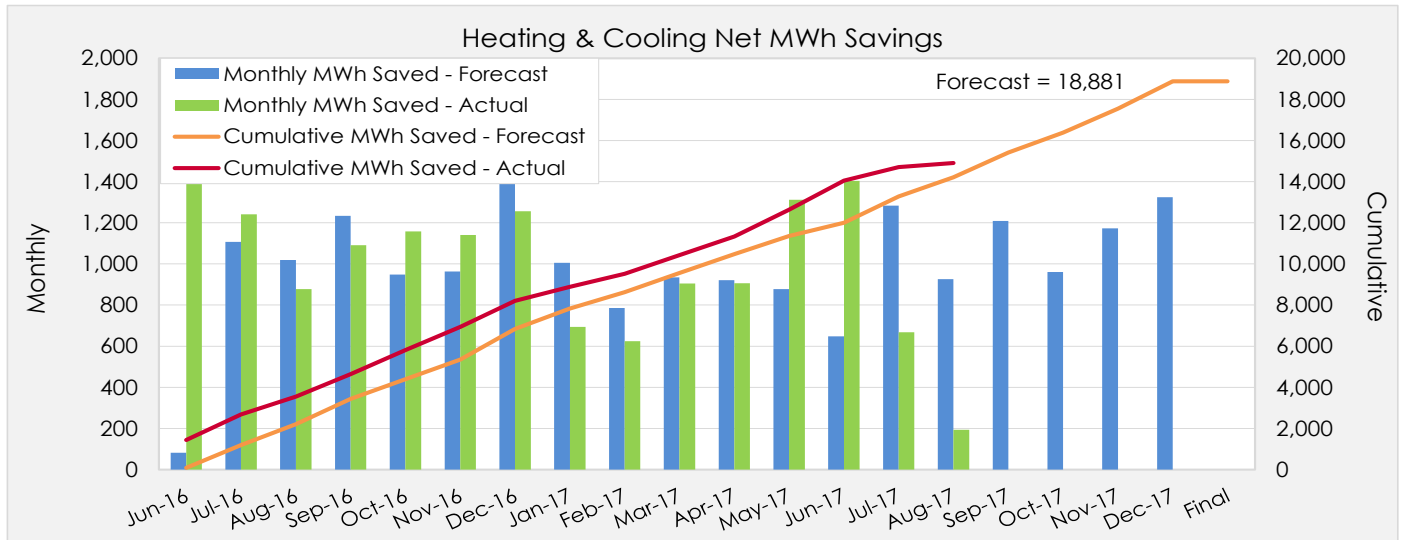
EEPS Programs – Business – Monthly



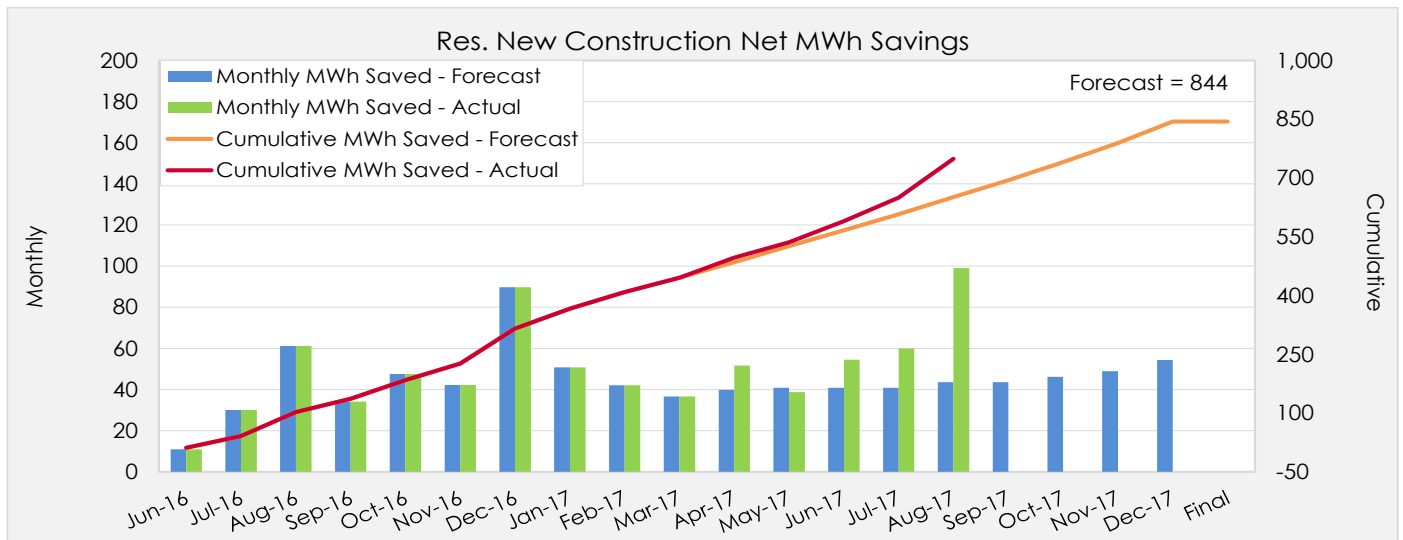
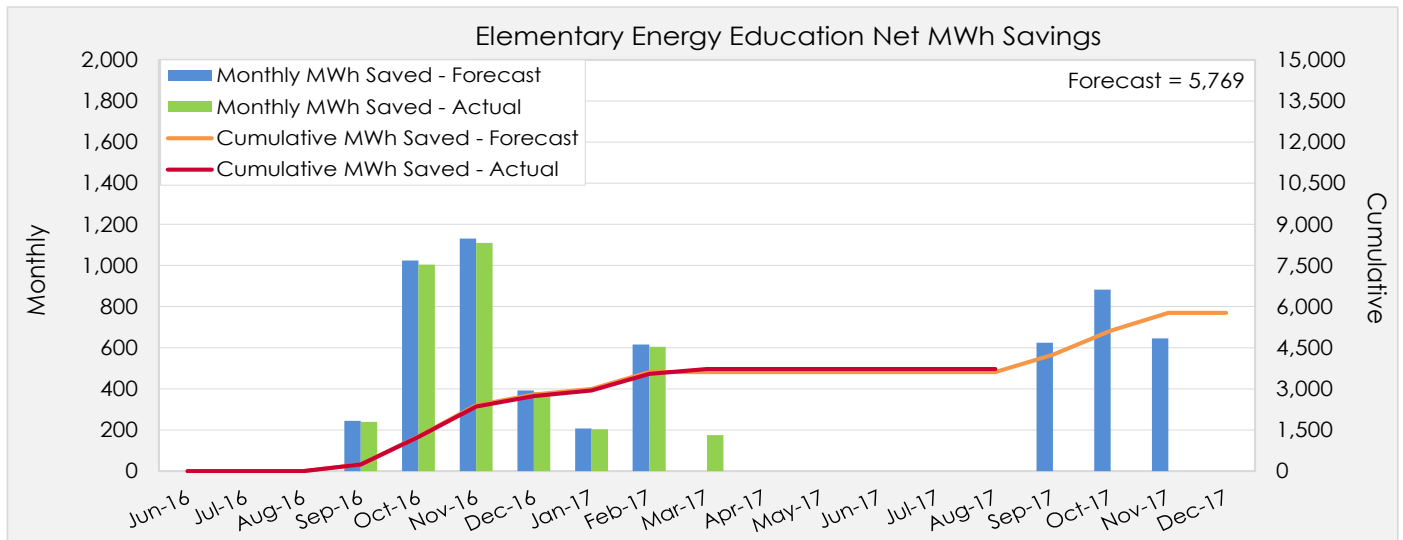
EEPS Programs – Residential – Monthly



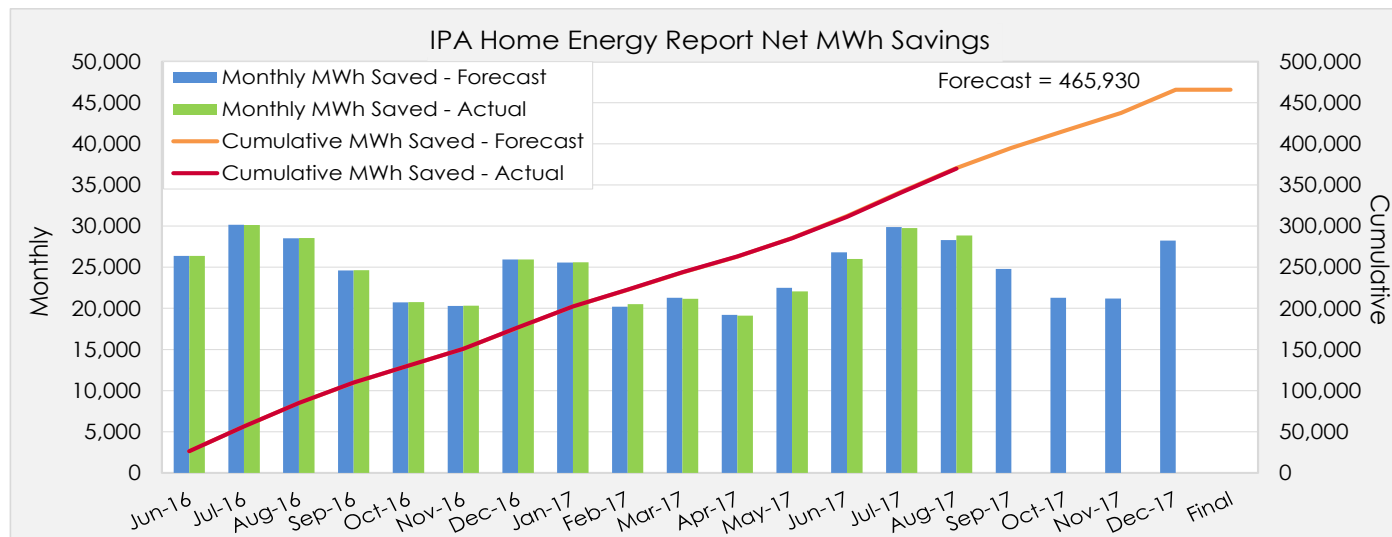
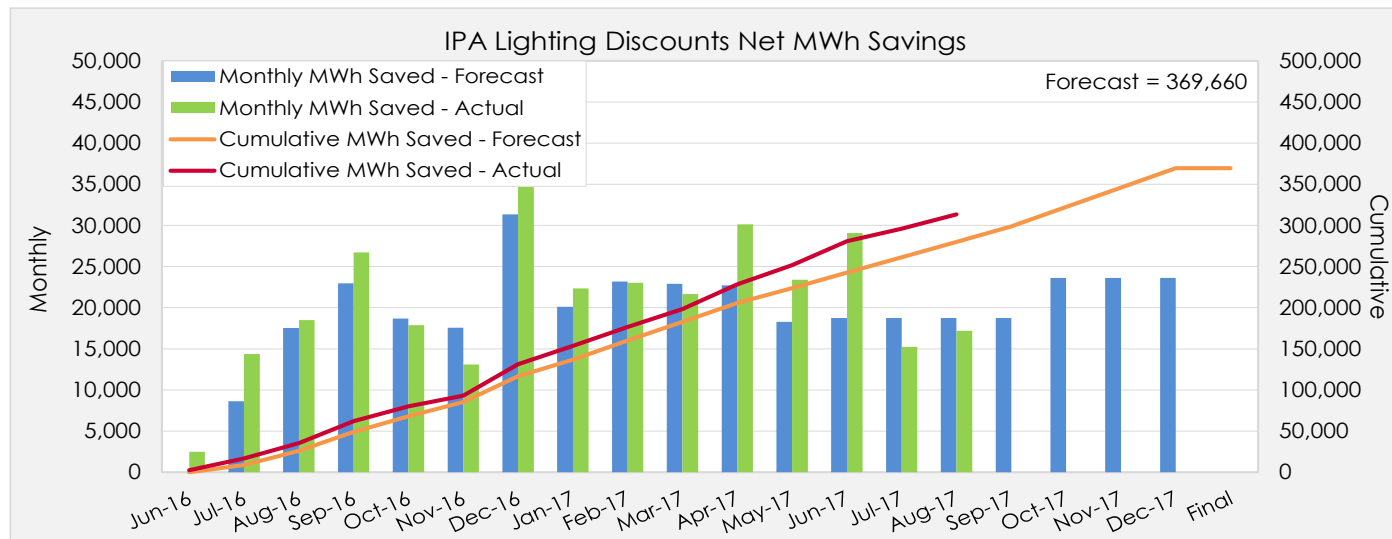
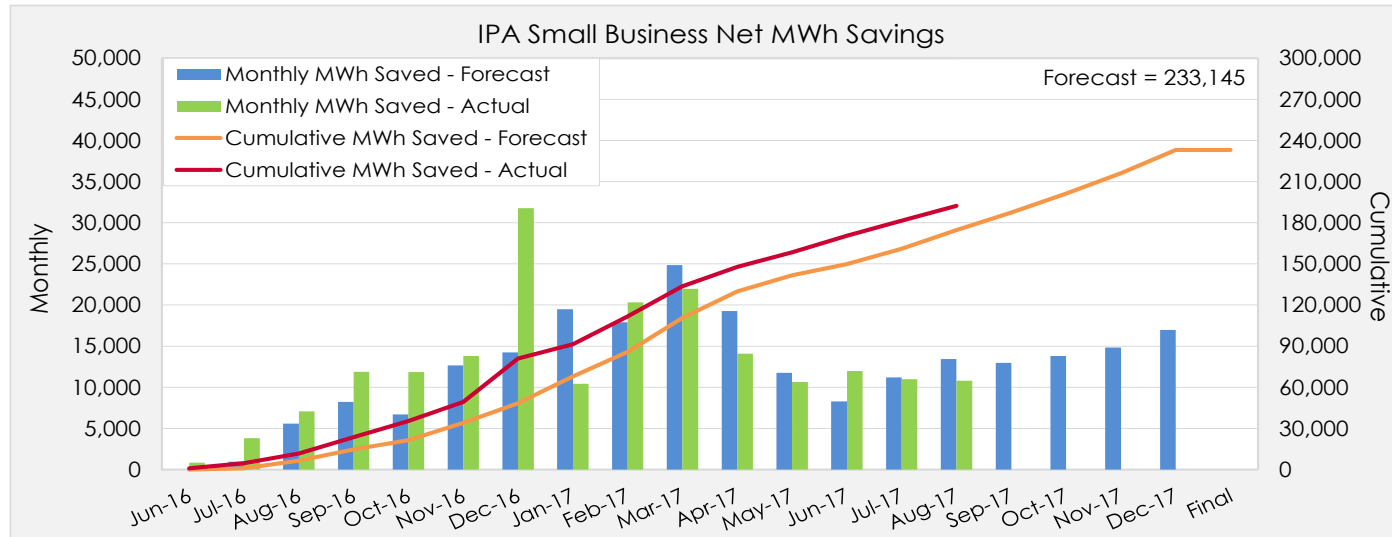
EEPS Programs – Residential – Monthly



EEPS – Residential – Monthly



IPA Programs – ComEd – Monthly



IPA Programs – ComEd – Monthly

