

ComEd[®] Energy Efficiency Program

Plan Year 9 Sixth 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
\$2.95 billion
on their electric bills



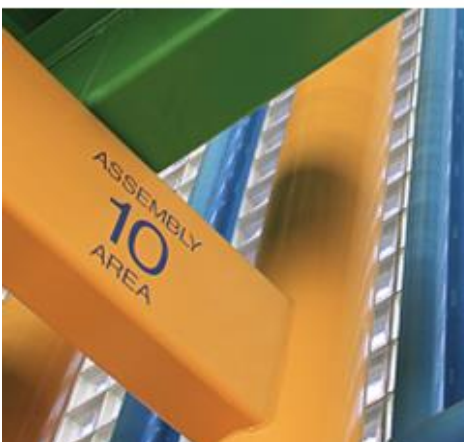
112.1 million
efficient bulbs sold



Enough MWh to power
2.9 million
homes for one year

36.9 billion
pounds of CO₂ reduced

26.5 million
net MWh saved



More than
\$730 million
in incentives provided



Based on lifetime MWh savings through December 2017



Quarterly Program Highlights

EEPS Business Programs

- EEPS business programs achieved 110% of their combined PY9+ forecast of 632,042 MWh.
- Over 1,700 EEPS business projects were completed in Q6.
- The Standard element of the C&I Incentives program completed over 4,800 projects in PY9.

EEPS Residential Programs

- EEPS residential programs achieved 108% of their combined PY9+ forecast of 124,853 MWh.
- Customers received over 74,000 rebates, recycled over 16,500 appliances, and received over 8,000 assessments in Q6.
- ComEd has collected and responsibly recycled more than 372,000 refrigerators and freezers since we began to offer this service to our customers in June 2008.

IPA Programs

- IPA programs achieved 107% of their combined PY9+ forecast of 1,177,372 MWh.
- The Small Business Energy Savings program provided energy-saving products to over 2,300 customers in Q6.
- The Lighting Discounts program sold over 5.2 million discounted ENERGY STAR® certified bulbs in Q6.

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.
- Over 2,000 income eligible and 400 public sector projects were completed during the bridge period.
- The Standard element of the C&I Incentives program exceeded its public-sector savings goal. During the bridge period, 315 public standard projects were completed and over \$3 million in incentives were delivered.

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)	334,831	195,831		327,843		102%	\$ 60,094	\$ 32,900		\$ 54,278	111%
Standard	278,862			276,326		101%					
Custom	27,818			29,556		94%					
Data Center	28,151			21,961		128%					
Optimization Total	124,648	97,831		74,679		167%	\$ 19,026	\$ 16,500		\$ 19,815	96%
Retro-Commissioning	30,924			29,806		104%	\$ 8,243	\$ 7,500		\$ 8,000	103%
AirCare Plus (>100 kW)	10,632			11,495		92%	\$ 1,825	\$ -		\$ 2,590	70%
Industrial Systems	26,602			31,393		85%	\$ 6,145	\$ 9,000		\$ 7,428	83%
Operational Savings	3,491			1,985		176%	\$ 1,966	\$ -		\$ 1,793	110%
Business Energy Analyzer	53,000			N/A		N/A	\$ 847	\$ -		\$ -	N/A
Strategic Energy Management Pilot	11,735			2,500		469%	\$ 529	\$ -		\$ 836	63%
Instant Discounts/Midstream Incentives	159,187	123,170		162,166		98%	\$ 12,257	\$ 8,056		\$ 10,919	112%
New Construction	58,253	16,535		55,875		104%	\$ 13,898	\$ 10,000		\$ 13,170	106%
Multi-Family Common Area	8,578	4,000		8,979		96%	\$ 2,238	\$ 1,000		\$ 2,823	79%
C&I General							\$ -	\$ -		\$ 5,751	0%
C&I Subtotal	697,233	437,367	659,746	632,042	106%	110%	\$ 108,041	\$ 68,456	\$ 103,308	\$ 107,591	100%
Fridge & Freezer Recycling	38,851	29,450		33,375		116%	\$ 13,483	\$ 8,701		\$ 12,172	111%
Appliance Rebates	37,820	9,103		35,227		107%	\$ 21,195	\$ 6,686		\$ 21,387	99%
Home Energy Assessment	25,267	7,407		24,498		103%	\$ 11,361	\$ 5,745		\$ 10,145	112%
Heating & Cooling	19,625	7,590		18,881		104%	\$ 9,472	\$ 9,638		\$ 9,694	98%
Weatherization	1,229	N/A		1,226		100%	\$ 1,483	\$ -		\$ 2,786	53%
Multi-Family	5,382	4,838		5,033		107%	\$ 3,156	\$ 1,925		\$ 3,020	105%
Elementary Energy Education	6,028	567		5,769		104%	\$ 971	\$ 233		\$ 892	109%
New Construction	920	15		844		109%	\$ 563	\$ 265		\$ 511	110%
Direct to Consumer Kit		4,930		0				\$ -		\$ -	
Residential General							\$ -	\$ -		\$ 2,697	0%
Residential Subtotal	135,122	63,900	103,369	124,853	131%	108%	\$ 61,684	\$ 33,193	\$ 49,759	\$ 63,305	97%
R&D/Emerging Tech	101	0	0	0			\$ 3,050	\$ 3,587		\$ 3,626	84%
Lighting Carryover	41,714	16,102	24,514	41,714	170%	100%					
EEPS Program Total	874,170	517,369	787,629	798,610	111%	109%	\$ 172,776	\$ 105,235	\$ 153,066	\$ 174,522	99%

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	445,676	217,565	344,478	369,660	129%	121%	\$ 54,159	\$ 37,123		\$ 54,244	100%
Home Energy Report	461,880	351,498	556,539	465,930	83%	99%	\$ 11,405	\$ 13,856		\$ 11,698	97%
Small Business Energy Savings	252,108	167,000	264,417	233,145	95%	108%	\$ 67,441	\$ 45,891		\$ 65,633	103%
LED Streetlighting	4,497	10,949	10,949	5,450	41%	83%	\$ 1,194	\$ 8,208		\$ 8,025	15%
Lighting Carryover	20,756	0	0	20,756							
IPA General							\$ -	\$ -		\$ 4,000	0%
IPA ComEd Subtotal	1,184,917	747,012	1,176,382	1,094,941	101%	108%	\$ 134,199	\$ 105,078	\$ 161,586	\$ 135,574	99%
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	530	850	850	0	62%	N/A	\$ -	\$ 139		\$ (60)	0%
National Theatre for Children - Kits	2,122	1,220	1,946	2,107	109%	101%	\$ 1,012	\$ 625		\$ 1,102	92%
CLEAResult - CFL Distribution	20,404	14,721	20,129	20,329	101%	100%	\$ 2,238	\$ 1,330		\$ 1,590	141%
ERC - Low-Income Kits	6,418	4,103	6,327	6,325	101%	101%	\$ 2,177	\$ 1,439		\$ 1,950	112%
ERC - Low-Income Multi-Family	0	6,520	6,518	0	0%	N/A	\$ -	\$ 2,168		\$ -	N/A
CLEAResult - School Energy Savings	997	4,310	3,850	5,193	26%	19%	\$ 373	\$ 1,072		\$ 164	227%
Matrix - Private Schools	759	5,545	7,437	779	10%	97%	\$ 123	\$ 989		\$ 126	97%
Matrix - DBVFC	737	5,517	6,864	571	11%	129%	\$ 162	\$ 1,241		\$ -	N/A
CLEAResult - LLLC	7,281	17,216	13,457	4,687	54%	155%	\$ 2,920	\$ 5,101		\$ 935	312%
Elevate Energy - Assisted & Sr. Housing	1,143	1,188	1,188	1,188	96%	96%	\$ 561	\$ 626		\$ 353	159%
Franklin - Rural Small Business EE Kits	1,954	1,234	1,954	1,954	100%	100%	\$ 885	\$ 583		\$ 792	112%
GDS Associates - Agricultural EE	638	1,220	1,299	645	49%	99%	\$ 87	\$ 367		\$ 52	165%
GDS Associates - Lit Signage	16,296	14,624	14,453	15,758	113%	103%	\$ 4,329	\$ 3,700		\$ 1,182	366%
MEEA - STEP Efficient Products	0	3,343	1,948	0	0%	N/A	\$ -	\$ 778		\$ -	N/A
SEDAC - Building Optimization	2,183	11,056	11,801	5,988	18%	36%	\$ 465	\$ 2,500		\$ 750	62%
Power TakeOff - MBCx	1,524	2,709	2,709	1,279	56%	119%	\$ 859	\$ 1,554		\$ 266	323%
CLEAResult - AirCare Plus (<100 kW)	12,755	10,962	17,357	12,931	73%	99%	\$ 3,579	\$ 3,146		\$ 3,881	92%
Weidt Group - New Construction SBO	1,031	4,213	4,213	1,085	24%	95%	\$ (17)	\$ 1,075		\$ 7	-262%
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	78,385	136,515	143,801	82,431	55%	95%	\$ 20,184	\$ 29,785	\$ 34,510	\$ 13,602	148%
IPA Program Total	1,263,302	883,527	1,320,183	1,177,372	96%	107%	\$ 154,383	\$ 134,863	\$ 196,096	\$ 149,176	103%

Ex-Ante Results

DCEO Bridge Period Program Ex-Ante Results

DCEO Bridge Program	Bridge Period Net MWh Actual	Original Net MWh Goal	Bridge Period Net MWh Goal	Bridge Period Net MWh Forecast	Percent of Bridge Period Goal	Percent of Bridge Period Forecast	Bridge Period Program Costs (\$1,000)	Rate Filing Screen (\$1,000)	Bridge Period Filed Budget	Bridge Period Spend Forecast	Percent of Bridge Period Spend Forecast
Weatherization (IHWAP)	373			1,400		27%					
Single-Family (CBA)	643			418		154%					
Multi-Family (Elevate)	1,232			1,040		118%					
Affordable Housing New Construction	61			655		9%					
Public Housing Authority	455			928		49%					
Income Eligible Subtotal	2,762	N/A	N/A	4,441	N/A	62%	\$ 5,223	N/A	N/A	N/A	N/A
Free Lights	4,464			N/A		N/A					
STEP Efficient Products	1,766			2,812		63%					
Elevate Street Lighting	12,852			14,720		87%					
Combined Heat and Power	0			N/A		N/A					
New Construction	1,595			797		200%					
Retro-commissioning	241			12,400		2%					
Waste Water Treatment	0			N/A		N/A					
Standard & Custom (includes MMC and Elevate Park Districts)	12,673			N/A		N/A					
Public Sector Subtotal	33,592	N/A	N/A	30,729	N/A	109%	\$ 17,191	N/A	N/A	N/A	N/A
Data Center	0			0		N/A					
Building Industry Education & Training	0			0		N/A					
Illinois Home Performance	0			0		N/A					
Building Operator Certification	0			0		N/A					
Rockford Housing Project	0			0		N/A					
Energy Performance Contracting	0			0		N/A					
Trade Ally Training	0			0		N/A					
Market Transformation Subtotal	0	N/A	N/A	0	N/A	N/A	\$ 648	N/A	N/A	N/A	N/A
DCEO Bridge Period Program Total	36,354	N/A	55,901	35,170	65%	103%	\$ 23,062	N/A	\$ 20,843	\$ 20,843	111%

* All values reflected in the DCEO Bridge Period Program Ex-Ante Results table above are limited to the bridge period of June to December 2017 and exclude the original PY9 goal and budget for DCEO.

Total Portfolio Ex-Ante Results

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
EEPS Program Total	874,170	517,369	787,629	798,610	111%	109%	\$ 172,776	\$ 105,235	\$ 153,066	\$ 174,522	99%
IPA Program Total	1,263,302	883,527	1,320,183	1,177,372	96%	107%	\$ 154,383	\$ 134,863	\$ 196,096	\$ 149,176	103%
DCEO Bridge Period Program Total*	36,354	N/A	55,901	35,170	65%	103%	\$ 23,062	N/A	\$ 20,843	\$ 20,843	111%
Grand Total	2,173,826	1,400,896	2,163,713	2,011,151	100%	108%	\$ 350,221	\$ 240,098	\$ 370,005	\$ 344,541	102%

* All values reflected on the DCEO Bridge Period Total line in the above Total Portfolio Ex-Ante Results table are tied to the DCEO Bridge Period Program Ex-Ante Results table which is limited to the bridge period of June to December 2017 and excludes the original PY9 goal and budget for DCEO.



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.

- **278,862 MWh savings achieved (101% of forecast) based on 4,839 projects**
- In mid-November, the program launched a Chiller Bonus to promote the installation of efficient chillers for the remainder of PY9 and 2018.
- Strong participation continues to be a key success of the program. This year, the program exceeded its savings goal and has a strong pipeline of projects going into 2018.
- This December, the program received a record number of final applications. Trade Allies and national accounts continue to be responsible for driving the greatest participation into the program. In PY9, 1,858 out of the 4,839 applications received were from national accounts, representing \$6.98M in incentives. More applications were received in PY9 from national accounts than ever in program history, even after accounting for the 7-month program extension.
- Trade Ally growth continues to remain strong. As of today, the program has 501 approved Trade Allies. In PY9, Trade Ally participation grew by 104 percent over PY8.

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.

Custom (continued)

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.

- **27,818 MWh savings achieved (94% of forecast) based on 117 projects**
- Even after a slow start, the program made significant progress in Q6, achieving 94 percent of its PY9 savings goal.
- The primary challenges for PY9 included an opportunity for greater focus on custom project growth and a significant cancellation rate of preapproved projects. Both issues are being addressed in 2018.

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.

- **28,151 MWh savings achieved (128% of forecast) based on 19 projects**
- The program organized a “Chicago Downtime” data center event in summer 2017, which had more than 200 data center manager/director/C level participants.
- A big check ceremony was held for Digital Realty Trust and DuPont. Customers are thrilled by ComEd’s support and appreciated the incentives.
- The program maintained a high customer satisfaction rate.

Midstream Incentives / Instant Discounts

Overview: The Instant Discounts program provides point of purchase 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 a network of Instant Discount distributors who have signed program agreements. The program also provides incentives for electronic industrial battery charges.

- **159,187 MWh savings achieved (98% of forecast) based on 2,053,383 products sold**
 - 1,749,883 LEDs sold
 - 303,331 LFLs sold
 - 169 battery chargers sold
- Participating distributors signed a new and extended Program Agreement (PA) for the bridge period. This new PA was between ICF – not ComEd, as previously – and the distributor. The new PA has more stringent processes for distributors to follow to ensure steady evaluation results vs. past years.
- The program designed an updated outreach strategy focused on distributors with greater potential than previously seen. Strategies and tactics were created that successfully grew participation by some high-potential distributors.

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.

- **30,924 MWh savings achieved (104% of**

Retro-Commissioning (RCx) (continued)

forecast) based on 119 projects

- 7 monitoring-based commissioning (MBCx) project completed
- 65 RCx Building Tune-Up (buildings less than 150,000 SQ FT) projects completed
- 30 RCxpress (buildings between 150,000 and 400,000 SQ FT) project completed
- 16 RCx (buildings over 400,000 SQ FT) projects completed
- 1 grocery RCx pilot project completed
- A MBCx project at The Franklin, 227 West Monroe/222 West Adams, achieved over 4,000 MWh in savings during PY9 by adding new control capabilities to existing HVAC systems and optimizing operations.
- 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 were offered to customers for implementing additional measures once the savings target and minimum spending commitments have been met.

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.

- **10,632 MWh savings achieved (92% of forecast) based on 1,944 measures**
- 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.

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.

- **26,602 MWh savings achieved (85% of forecast) based on 92 projects**
- A total of 29 projects in the PY9 pipeline with estimated savings of 9,300 MWh were carried over to 2018 because they did not close out until late January.
- A study for waste water treatment plants was added to the program at the end of PY9.
- Implementation of recommended measures is slow as customers are not always ready with capital or manpower to implement projects. However, no- to low-cost measures are quickly implemented. Addressing these will be a focus of 2018.

Operational Savings

Overview: The Operational Savings program identifies no- to 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

Operational Savings (continued)

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.

- **3,491 MWh savings achieved (176% of forecast)**
- Since its inception in PY7, over 2,000 operational measures have been identified for potential savings of over 43,700 MWh. Over 303 of these operational measures have been implemented by customers.
- On average, the program is identifying 2.1 operational measures per facility assessment, 29 percent higher than the PY8 average.
- Operational savings per facility assessment has increased by 38 percent when compared to PY8.
- A total of 235 operational measures have been implemented through Q6, 422 percent more than the PY8 total of 45.

Business Energy Analyzer (BEA)

Overview: Business Energy Analyzer provides business customers with tools to visualize their energy usage over time, pinpointing high use periods and suggesting potential strategies to reduce energy costs. Customers receive personalized energy-efficiency solutions based on their unique energy use and the ability to compare usage patterns with similar businesses.

- **53,000 MWh savings achieved**
- The PY8 evaluation demonstrated that the BEA was successful in driving customers to use less energy than peer customers who did not engage with the tool. A statistical demonstration showed that engaged customers used approximately 1.5 percent less energy after removing any other energy efficiency activities for which incentives were received.
- The BEA is being phased out and replaced by

the First Fuel tool within My Account as part of the Business Intelligence and Data Analytics (BIDA) initiative.

Strategic Energy Management (SEM)

Overview: Strategic Energy Management provides tools, coaching and technical resources to support the achievement of 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 percent 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 third cohort kicked off in PY9 with a target completion in November 2018 for 11 customers with estimated potential savings of 8,410 MWh.
- The program offers to formal cohort participants the opportunity to be part of a practitioner group to continue the process to identify and implement no- to low-cost operation improvements. The change in culture to incorporate energy saving practices may take more than a year but produce a significant impact over time. The addition of the practitioner group is good way to continue the success for the customer.

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.

- **58,253 MWh savings achieved (104% of forecast) based on 99 projects with 26,760,474 square feet of building area**
- In PY9, 151 applications were approved, of which 31 were Expedited Assistance (7.5 million square feet), 17 were Accelerate Performance (3 million square feet), and 103 were Comprehensive track (21.8 million square feet).
- The program sponsored a number of high-profile education events in PY9 which were well-attended and received positive feedback from participants and speakers, including Chicago's first developer-targeted summit on the path to net zero energy buildings and a panel of building designers and developers discussing high performance building envelope strategies.

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.

- **8,578 MWh savings achieved (96% of forecast)**
Energy-saving products have been installed in the common areas of 145 multi-family buildings through Nexant.
- The joint pilot program with North Shore Gas

and Peoples Gas implemented by Franklin resulted in the completion of approximately 780 building assessments throughout PY9. Direct install replacement of existing bulbs occurred in the common areas of more than 550 of these buildings, and over 230 free energy efficiency projects were completed by the closed network of Trade Allies.



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.

- **38,851 MWh savings achieved (116% of forecast) based on 81,633 pickups**
- Over 16,500 appliances were recycled in Q6. Also in Q6, the program contributed to the efforts of recycling approximately 1,200 units from income qualified public housing agencies such as Catholic Charities and Cook County Public Housing.
- The program ended with strong participation numbers and high customer satisfaction. In total, customers recycled 81,633 appliances, exceeding the goal of 71,502 for the program year.
- Customer Satisfaction continued to average 9.7 on a 10-point scale. Overall, customers were most satisfied with the ease of scheduling and pickup crews' courtesy.
- ComEd has collected and responsibly recycled more than 372,000 refrigerators and freezers since it began offering this service to customers in June 2008.

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

EEPS Programs – Residential

Appliance Rebates (continued)

pump water heaters.

- **37,820 MWh savings achieved (107% of forecast) based on 228,774 appliance rebates issued**
- The program launched a new process available on ecobee.com and Lowes.com which allows ComEd customers to perform instant validation using the same functionality currently in place on ComEd Marketplace. With instant validation, the customer can purchase qualifying smart thermostats and receive an instant rebate at the time of purchase without having to complete a rebate application.
- With the Black Friday and Cyber Monday promotions sponsored by two of the leading smart thermostat manufacturers, the program experienced a significant increase in smart thermostat rebate participation during the months of November and December.

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.

- **25,267 MWh savings achieved (103% of forecast) based on 23,736 assessments**
- Over 5,100 customers received assessments in Q6.
- All LEDs were offered for free beginning in Q5
- The Ecobee4 is now offered instead of the Ecobee3 at the same discounted price of \$150,

including free installation.

- Program savings per home were higher than originally forecasted due to the popularity of free specialty indoor LEDs and advanced power strips. Program popularity also saw 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.

- **19,625 MWh savings achieved (104% of forecast) based on 22,561 rebates**
- Over 3,600 customers received rebates for energy efficient heating and cooling equipment, including contractor-installed smart thermostats, in Q6.
- The program exceeded its PY9 savings goal.
- 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.
- An increase in instant rebates (Trade Ally applications on behalf of customer vs. customer applications post-installation) has led to higher customer satisfaction.

Weatherization Rebates

Overview: The Weatherization Rebates Program promotes investment in long-term savings by providing rebates for the purchase and

Weatherization Rebates (continued)

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.

- **1,229 MWh savings achieved (100% of forecast) based on 2,804 projects**
- Over 500 customers received rebates for completing weatherization projects in Q6.
- Total number of Approved Weatherization Contractors remained static as the program continues to have territory-wide coverage for weatherization rebates.
- The program finished Q6 on a strong note with good momentum heading into CY2018.

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.

- **5,382 MWh savings achieved (107% of forecast) based on almost 28,000 units**
- Steady progress to goal continued with more than 3,100 residential tenant spaces at multi-family properties visited in Q6, helping to improve the energy efficiency and reduce energy costs for these customers.
- 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. The use of both standard and specialty LEDs continued to provide a good mix of products for performing direct install lighting efficiency upgrades for customers.
- Program success during PY9 was highlighted by the replacement of than 158,000

incandescent bulbs within almost 28,000 residential tenant spaces at multi-family properties, 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.

- **920 MWh savings achieved (109% of forecast) based on 1,209 homes**
- A total of 261 homes served jointly by ComEd and Nicor Gas were completed and verified in Q6. Average savings for these homes was over 750 kWh per home.
- In PY9, a total of 8 electric-only homes were completed. Average savings for electric-only homes was over 6,000 kWh per home, nearly nine times the savings from joint homes.
- The program sponsored two 'Selling High Performance Homes' trainings in PY9. These trainings were well received and spurred builder interest and program participation.
- The program continued to identify and recruit additional builders to help support increased participation and savings goals during PY9. A total of 57 builders, an increase from 45 builders in PY8, and 10 raters, an increase from 8 rates in PY8, participated in the program.
- The program encountered recruitment resistance from non-participating builders due to the perceived cost increase for building

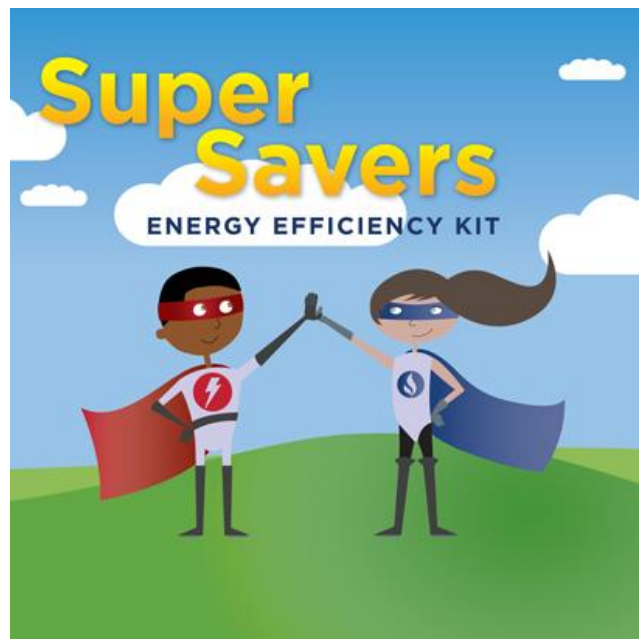
Residential New Construction (continued)

homes that are more than 20 percent more energy efficient than code. It remains challenging to attract interest from new builders particularly given the relatively low incentive per home. A new energy code is expected to go into effect in Illinois on January 1, 2019, potentially increasing builder recruitment and retention challenges.

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.

- **6,028 MWh savings achieved (104% of forecast) based on 41,862 kits**
- The PY9 kit goal was expanded from approximately 25,750 to 41,272 kits through 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.

- **252,108 MWh savings achieved (108% of forecast) based on 9,812 projects**
- Over 2,300 customers were provided with energy-saving products in Q6.
- The program received an addition \$2.2 million in incentive funds to extend the pre-application period through the end of October.
- Payment turnaround was expedited through the implementation of two invoice batches per week for the months of November and December.
- Overall satisfaction with program incentive levels is 84 percent, program components 87 percent and implementer components 90 percent, according to the PY9 Trade Ally satisfaction survey results.
- The mobile assessment tool was officially launched to all the Trade Allies to use in late October as planned.

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.

- **445,676 MWh savings achieved (121% of forecast) based on 20,060,412 units sold**
 - 2,625,479 CFL bulbs sold
 - 16,603,665 LED bulbs sold
 - 831,268 LED trim kits sold
- In early September, the program launched instant discounts by ComEd on Amazon.com on select ENERGY STAR certified LEDs.

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 households, personalized energy efficiency advice, program promotions, and application of behavioral principles and social norms to drive adoption of energy efficient behaviors.

- **461,880 MWh savings achieved (99% of forecast)**
- The program is reaching 1.7 million participants with a low opt-out rate and high customer satisfaction through customer inquiries; one million of these customers also receive 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.
- Additionally, 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.
- The program is working on continuous improvements to increase open rates including: (1) ABC testing with module placement variations, based on feedback from focus groups, with results anticipated mid-2018; (2) a new daily usage module which leverages AMI data to enhance the customer experience; and (3) new seasonal content for High-Usage Alerts during November and December, to improve the timeliness and relevance of information.
- There continues to be a steady volume of approximately 240 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 enables the replacement of existing ComEd owned mercury vapor (MV) or high pressure sodium (HPS) fixtures with LED street lights. LED street lights provide energy efficient lighting resulting in lower charges to the municipality.

- **4,497 MWh savings achieved (83% of forecast) based on approximately 6,536 fixtures installed across 37 municipalities**
- Municipalities are excited by the savings on their bills as well as the improvement in light quality. Several of the economically challenged communities viewed the LED street lights 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.

- **530 MWh savings achieved**
- 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.

- **2,122 MWh savings achieved (101% of forecast) based on 12,412 kits**
- A total of 12,412 energy-saving kits, consisting of 9,471 natural gas kits and 2,941 electric kits, have been shipped to households in the ComEd service territory.
- The program has been very well received, and achieved its 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.

- **997 MWh savings achieved (19% of forecast) based on 116 projects**
- In Q4, the program discontinued offering all previous measures and began offering only a commercial programmable thermostat replacement measure.
- One of the program successes was 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 was able to bring significant savings to schools that may not have otherwise been able to afford energy efficiency measures.

- Program outreach was a challenge, as cold calling customers can be difficult. Having a set of selling points and explaining the program in detail to someone over the phone helped inform customers on why they should participate. A document was sent to customers as a follow-up to a phone call and was sent via email to explain the program in writing.

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.

- **759 MWh savings achieved (97% 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 made 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.

- **737 MWh savings achieved (129% of forecast) based on 87 projects**
- The design reiteration of the prior DCV product created by Matrix allowed for an optimized version of what was offered in previous program years. The new device was

IPA Programs – Third Party

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

smaller, sleek, and more robust in its operational nature as well as having a more appealing aesthetic look.

- The program scheduled face-to-face meetings with customers for the purpose of explaining the DCV technology to the customer such that no open-ended questions remained. This allowed for a more defined understanding of the device by the user as well as producing a more positive result in those marketing channels.
- The culmination of positive marketing, thorough implementation processes, and customer service resulted in references and other marketing channels which reached larger franchise businesses interested in emerging technology and program participation. One participating franchise customer opened the gateway to similar franchises through references and local communication.

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.

- **12,755 MWh savings achieved (99% of forecast) based on 3,519 measures**
- 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 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).

- **1,031 MWh savings achieved (95% of forecast) based on 304,985 square feet in 11 buildings**
- In Q6, the program verified four projects. The program is now complete. The program did not meet its filed savings goal; the shortfall can be explained by the conflict between the duration of the TPEP program and the timeline necessary of typical New Construction projects.

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

IPA Programs – Third Party

Power TakeOff – Energy Advisor Program (continued)

the changes to operations that are made, and Power Takeoff measures and verifies savings using the same AMI data. Since the change in usage over time needs to be adequately demonstrated, verification takes three to six months to complete.

- **1,524 MWh savings achieved (119% of forecast)**
- The program was extended to December 2017.
- Operational/behavioral measures were implemented for 84 accounts in PY9.
- Support from the LCS team for national accounts was very valuable in providing introductions to the appropriate customer personnel for Power Takeoff to work with.
- to the PY9 savings goal.

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.

- **2,183 MWh savings achieved (36% of forecast) based on 287 projects**
- The program completed over 200 projects in PY9.
- The program completed approximately 200 site visits at underserved facilities with the City of Chicago, Cook County, Rockford Party District, and other public sector entities.
- It was challenging to move projects forward quickly with public sector entities due to budgetary processes, background check requirements, overcoming approval requirements, etc.
- The implementer completed training on the Pelican Wireless System, the thermostat

selected by the City of Chicago. The system reduced installation costs for economizer, DCV, and VFD measures, allowing the program to satisfy customer budget demands and achieve significant energy savings.

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.

- **20,404 MWh savings achieved (100% of forecast) based on 1,329,057 bulbs distributed**
- The transition to LEDs began in Q6, increasing kWh savings per bulb distributed.
- The program solidly exceeded its energy savings and bulb distribution goals.
- The program received overwhelmingly positive feedback from pantry volunteers and staff, particularly when LEDs were introduced to the program.
- Despite administrative changes, relationships with the food banks remained strong, and the program was able to receive quality, consistent information from them.

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.

- **1,143 MWh savings achieved (96% of forecast) based on 34 buildings**
- The program completed 34 assessments and enrolled 34 buildings. A total of 26 projects were completed.
- Categories such as envelop and HVAC did not generate participation in buildings assessed; larger buildings with a peak

IPA Programs – Third Party

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

- demand greater than 100kW that would have more opportunities in these categories were not eligible to participate in the program. 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 successfully deployed lighting retrofits in small- and medium-sized senior housing and assisted living buildings. Most savings were achieved through lighting retrofits.
- Building owners expressed excitement about the lighting retrofits. One owner said, “I am super pleased with the work your team did for us here. It will make a big difference in terms of time spent servicing lights, energy costs, and overall atmosphere.”

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.

- **6,418 MWh savings achieved (101% of forecast) based on 26,177 kits**
- The program exceeded its PY9 savings goal.
- The program received 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**

- 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.

- **1,954 MWh savings achieved (100% of forecast) based on approximately 6,003 kits**

- Over the length of the program, 23,932 calls were made. Of those calls, 35 percent of customers gave representatives an opportunity to discuss the program with them. Out of the 8,374 discussions that were had, 5,936 kits were ordered, for an average conversion rate of 70.8 percent. QA/QC surveys were completed on 10.6 percent of kits distributed to ensure they were received and measures were installed for energy savings.
- The retail kit was the biggest challenge due to the unique MR-16 bulb in each kit. Customers

IPA Programs – Third Party

Franklin Energy Services – Rural Small Business Energy Efficiency Kits Program (continued)

either don't have MR-16's, or they don't know if they have MR-16's.

- Participants 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 is delivered through local Trade Allies.

- **638 MWh savings achieved (99% of forecast) based on 564 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.

- **16,296 MWh savings achieved (103% of forecast) based on 61,975 measures**
- The single biggest change during Q6 was the temporary shut down and then the \$500,000 extension. The gap in activity from stoppage to extension start-up proved too great to keep some of the Trade Allies active. The ability to notify the Trade Allies earlier that an

extension is in the works may have helped maintain interest in the program; however, the remaining active Trade Allies helped the program reach the its goal.

- The program added one additional Trade Ally during the extension period, resulting in a total of 64 in network, with 34 (53 percent) of them actively doing assessments and completing projects.

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**
- 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.

- **373 MWh savings achieved (27% of forecast) based on 318 projects**
- For the bridge period of June to December 2017, ComEd administered the EEPS-funded Illinois Home Weatherization Assistance Program formerly administered by DCEO.
- The program continued to become fully operational as ComEd gained greater detail of how the program was implemented and carried out previously. Challenges with data exchange, integration and frequency continued through Q6, though much progress was made from a data quality standpoint.

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

Overview: The Chicago Bungalow Association's Energy Savers Program identifies and determines qualified vintage homeowners located in the City of Chicago and 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

DCEO Bridge Period Programs - Income Eligible

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

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.

- **643 MWh savings achieved (154% of forecast) based on 460 projects**
- For the bridge period of June to December 2017, ComEd administered the Single-Family Income Eligible Program formerly administered by DCEO.
- Since the start of the bridge period, 460 income-eligible customers have had projects completed in their home at no out-of-pocket expense.
- With a goal to complete 450 projects during the bridge period, CBA and Franklin exceeded the project goal by 10 projects and stayed within the allocated budget for the program.
- Due to the program's success, CBA was also able to build a pipeline for CY2018.

Multi-Family Income Eligible

Overview: In partnership with Nicor Gas and Peoples Gas and Elevate Energy, 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.

- **1,232 MWh savings achieved (118% of forecast) based on 1,299 projects**

- For the bridge period of June to December 2017, ComEd administered the Multi-Family Income Eligible Program formerly administered by DCEO.
- The overall magnitude of work that was completed throughout PY9 allowed the program to make a positive impact by helping to reduce energy costs at dozens of buildings and for hundreds of customers.

Affordable Housing New Construction

Overview: Affordable Housing New Construction provides technical guidance and financial incentives to affordable housing developers to integrate energy efficient building practices into the major renovation and new construction of multi-family buildings and single-family homes for income-eligible residents.

- **61 MWh savings achieved (9% of forecast) based on 1 project**
- One project, Midtown Crossing Apartments, completed during the bridge period. The building has 33 living units, all of which are for income-eligible residents. The project contained 22,208 square feet of income-eligible living space and was 35,289 square feet in total. Midtown Crossing Apartments received incentives from both ComEd and Nicor Gas.
- During the bridge period, 10 new applications were received, with some conditionally accepted for participation under the 2018 program design.
- Two educational events targeting the affordable housing development market were delivered during the bridge period.
- Developing a new methodology for quantifying gas and electric savings was a major focus for the program team in Q6; the team developed options for utility consideration, gained consensus on a TRM-based calculation approach, and worked with Navigant to ensure the methodology is consistent with the planned evaluation approach.

DCEO Bridge Period Programs - Income Eligible

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, Peoples Gas, and the University of Illinois.

- **455 MWh savings achieved (49% of forecast) based on 16 projects**
- For the bridge period of June to December 2017, ComEd administered the Public Housing Authority program formerly administered by DCEO.
- The short timeline of the bridge period was a challenge for PHAs. They require three bids for projects and have a longer project approval timeline than other market segments.



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.

- **12,286 MWh savings achieved based on 315 projects**
- For the bridge period of June to December 2017, ComEd's Standard element of the C&I Incentives Program served public sector customers formerly served by DCEO.
- Due to a slow start in receiving applications, in early fall, the program released an Early Bird special providing a 25 percent incentive bonus to all standard projects that could be implemented by November 17th. The offer had a strong effect in encouraging customers to submit their final applications early, as well as encouraging new project submittals. A total of 159 PY9 projects participated in the bonus offering.
- The program exceeded its public-sector goals. During the bridge period, 315 public standard projects were completed and over \$3 million in incentives were delivered.

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.

- **387 MWh savings achieved based on 8 projects**

DCEO Bridge Period Programs - Public Sector

Public Sector Custom (continued)

- For the bridge period of June to December 2017, ComEd's Custom element of the C&I Incentives Program served public sector customers formerly served by DCEO.
- During the bridge period, eight public custom projects were completed.

Combined Heat and Power (CHP) Program

Overview: The Combined Heat and Power (CHP) program supports the investigation of CHP opportunities for conventional and waste heat to power (WHP) systems, existing systems that have been dormant for at least three years, and generation equipment that currently does not have waste heat recovery capabilities. The program provides an economic assessment of site specific CHP opportunities and promotes implementation of CHP projects by customers.

- For the bridge period of June to December 2017, ComEd administered the CHP program formerly administered DCEO.
- The ERC organized site tours of recently installed projects that received energy efficiency incentives rebates from the DCEO program. The ERC co-branded these events with the following associations that in turn helped market the ComEd program: Central States Water Environment Association (CSWEA), Illinois EPA, Illinois Water Environment Association (IWEA), Illinois APPA, and the Midwest Cogeneration Association (MCA).
- The ERC conducted a webinar to promote energy efficiency and CHP to wastewater facilities. Six additional CHP webinars were also marketed to ComEd customers.
- No MWh savings were achieved during the bridge period, but three projects were submitted for pre-approval and are in the process of being reviewed for CY2018.

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.

- MMC submitted 39 projects. MWh savings from the MMC program are included in the public sector Standard element of the C&I Incentives program.
- For the bridge period of June to December 2017, ComEd administered the MMC program formerly administered DCEO. MMC will continue to provide outreach to public-sector customers for ComEd in 2018.

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 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.

- **241 MWh savings achieved based on 2 bridge period projects**
- Approximately 60 pre-existing public sector RCx projects were managed through to completion by SEDAC, the RCx program implementer under DCEO who was transitioned to the ComEd program to maintain a smooth customer experience. Public sector RCx projects for which applications were accepted after October 15, 2017 were managed by Nexant along with private sector projects, following ComEd's existing program structure. SEDAC will continue to play an outreach role to public-sector customers for ComEd in 2018.

DCEO Bridge Period Programs - Public Sector

Free Lights

Overview: The Free Lights program allows state entities to request LED fixtures per the Central Management Services (CMS) master contract with Grainger. State entities can indicate what products they would like to receive and where products will be installed. Once the application is approved, free products are delivered to the state entity at no cost.

- **4,464 MWh savings achieved based on 47 projects**
- For the bridge period of June to December 2017, ComEd administered the Free Lights program formerly administered by DCEO.
- The program successfully worked with CMS to get this offer to applicable state buildings.

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.

- **1,766 MWh savings achieved (63% of forecast)**
- For the bridge period of June to December 2017, ComEd administered the STEP program formerly administered by DCEO.
- The program achieved its saving goal within budget, with a final program cost of 34 cents per kWh.

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.

- **1,595 MWh savings achieved (200% of forecast) based on 10 projects or 901,480**

square feet

- For the bridge period of June to December 2017, ComEd's New Construction program served public sector customers formerly served by DCEO.
- The program exceeded its bridge period savings goal. SEDAC was successful in ensuring that participating customers returned all required documentation to complete projects by the December 31st deadline.

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.

- Elevated submitted 12 projects. MWh savings from the Park District program are included in the public sector Standard element of the C&I Incentives program.
- For the bridge period of June to December 2017, ComEd administered the Park District program formerly administered DCEO.

LED Street Lighting – Elevate Energy

Overview: The LED Street Lighting Program provides incentives for the retrofit of municipally owned mercury vapor or high-pressure sodium fixtures with LED streetlights. LED streetlights provide energy efficient lighting with longer life which reduces operating costs.

- **12,852 MWh savings achieved (87% of forecast)**
- For the bridge period of June to December 2017, ComEd administered the Elevate LED Street Lighting program formerly administered DCEO.
- The program added a Made in Illinois bonus for street lights for any applications completed in Q6.



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 administered the BOC program formerly administered by DCEO.
- The program began conducting training in fall 2017.

Illinois Building Energy Code Training

Overview: This program provides 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 administered the Codes Training program formerly administered by DCEO.
- The program began 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 administered the IHP program formerly administered by DCEO.
- The program has processed 759 IHP certificates for homeowners, trained 108 students through 17 Building Science Training Series courses, and trained 56 realtors and appraisers through 4 realtor and appraiser courses.
- The program held a National Association of Realtors (NAR) Green Designation course in

Illinois Home Performance (IHP) (continued)

Carterville, IL.

- The program held a two-day webinar geared towards appraisers titled 'What's New in Residential Construction'.

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.

- For the bridge period of June to December 2017, ComEd's Data Center element of the C&I Incentives program served public sector customers formerly served by DCEO.
- During the bridge period, the program was 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
- 701 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 was 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 percent of their annual energy use.

Root3

Overview: Root3 is a cloud based energy data model that works with existing energy management

Emerging Technology Activities

Root3 (continued)

systems and evaluate 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 General Outreach

- Participated in **28** energy efficiency events
- Interacted with approximately **3,532** customers
- Collected approximately **542** emails
- Drove **51,016** 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 **49,630,990** impressions to date

PY9 Rebates Campaign – Neighborly Advice

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

- Included TV, Digital and Radio
- In market October – December 2017
- Has generated **45,815,355** impressions so far

PY9 Facility Assessment Campaign – Moving Up

Overview: The campaign was to promote awareness of our business offerings with a call to action of ComEd.com/Facility Assessments

- In market October – January 2018
- Included TV, digital, radio, social and print
- Has generated **24,608,535** impressions through December

PY9 Public Sector Facility Assessment Campaign – Moving Up

Overview: The campaign was to promote awareness of our business offerings with a call to action of ComEd.com/PSFacilityAssessments

- In market October – December 2017
- Included TV, digital, radio, social and print
- Has generated **14,491,581** impressions so far

Marketing Education & Awareness

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.*

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

PY9 Fall Education and Awareness Campaign – Saved by Savings

Overview: *The campaign was to promote awareness of the instant instore lighting discounts as well as the overall ComEd Energy Efficiency program with a call to action to learn more at ComEd.com/HomeSavings*

- In market October – Week of December 4th, 2017
- Included TV, digital, radio and social
- Has generated **95,032,457** impressions

PY9 Lighting Discounts Campaign – Saved by Savings

Overview: *The campaign was to promote awareness of lighting discounts through the ComEd Energy Efficiency program with a call get instant in-store discounts at your local retailer.*

- In market October – Week of December 4th, 2017
- Included TV, digital, radio, social and transit
- Has generated **101,647,699** impressions

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	874,170	787,629	111%

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	1,184,917	1,176,382	101%

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	78,385	143,801	55%

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	55,901
Net MWh	17,714	34,075	54,130	106,475	99,583	80,782	85,124	N/A	36,354

* PY9+ values reflected in the DCEO Energy Saved (MWh) table above are limited to the bridge period of June to December 2017 and exclude the original PY9 goal for DCEO.

ComEd Environmental and Economic Impact

Performance Metrics (Equivalents)	PY9+	PY8	PY7	PY6	PY5	PY4	PY3	PY2	PY1
Net MWh	2,173,826	1,353,001	1,122,657	1,118,649	949,392	944,142	626,715	472,132	163,717
Carbon reduction (metric tonnes)	1,371,472	853,612	708,287	705,758	598,974	595,661	395,396	297,869	103,289
Cars removed from the road	293,677	182,786	151,667	151,126	128,260	127,551	84,667	63,784	22,118
Acres of trees planted	1,613,496	1,004,249	833,279	830,304	704,675	700,778	465,172	350,434	121,517
Number of homes powered for 1 year*	243,812	151,750	125,915	125,465	106,482	105,893	70,291	52,953	18,362
Portfolio jobs**	376	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 8,916 kWh annually per the filing.

** Portfolio Jobs reflect actual positions by ComEd and its contractors that are part of the Rider EDA/EEPP 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	\$ 197,991,994
IPA	\$ -	\$ -	\$ -	\$ -	\$ 31,329	\$ 29,469,183	\$ 39,150,327	\$ 86,823,029	\$ 159,437,825
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	\$ 80,840,853
Total	\$ 34,305,960	\$ 63,543,477	\$ 104,350,144	\$ 141,723,392	\$ 140,951,943	\$ 185,128,616	\$ 201,128,132	\$ 218,099,457	\$ 438,270,673

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 Spend	\$ 27,356,150	\$ 52,071,861	\$ 75,691,133	\$ 106,673,405	\$ 107,354,964	\$ 124,096,016	\$ 128,249,370	\$ 108,811,809	\$ 197,991,994

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 Spend						\$ 28,071,420	\$ 38,070,511	\$ 82,440,854	\$ 139,095,271

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 Spend					\$ 31,329	\$ 1,397,763	\$ 1,079,816	\$ 4,382,175	\$ 20,342,554

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 Spend	\$ 6,949,809	\$ 11,471,616	\$ 28,659,011	\$ 35,049,987	\$ 33,565,649	\$ 31,563,417	\$ 33,728,435	\$ 22,464,619	\$ 80,840,853

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
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	\$ 108,041,468
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	\$ 61,684,233
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	\$ 6,388,249
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	\$ 3,050,170
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	\$ 6,703,179
Labor	\$ -	\$ -	\$ -	\$ 2,749,232	\$ 3,214,657	\$ 1,927,888	\$ 4,682,625	\$ 3,299,894	\$ 3,535,747
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	\$ 7,420,486
On-Bill Financing	\$ -	\$ -	\$ 64,018	\$ 173,494	\$ 228,477	\$ 132,562	\$ 110,736	\$ 98,979	\$ 144,614
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	\$ 197,991,994

Total Resource Cost (TRC)

New Measure TRC

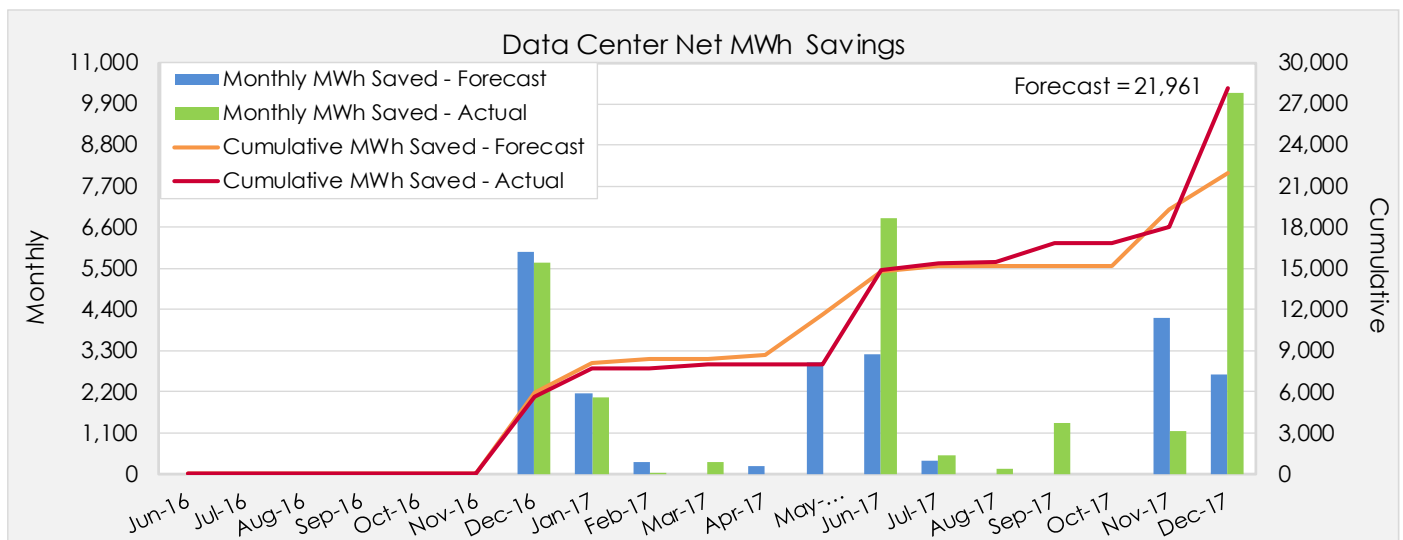
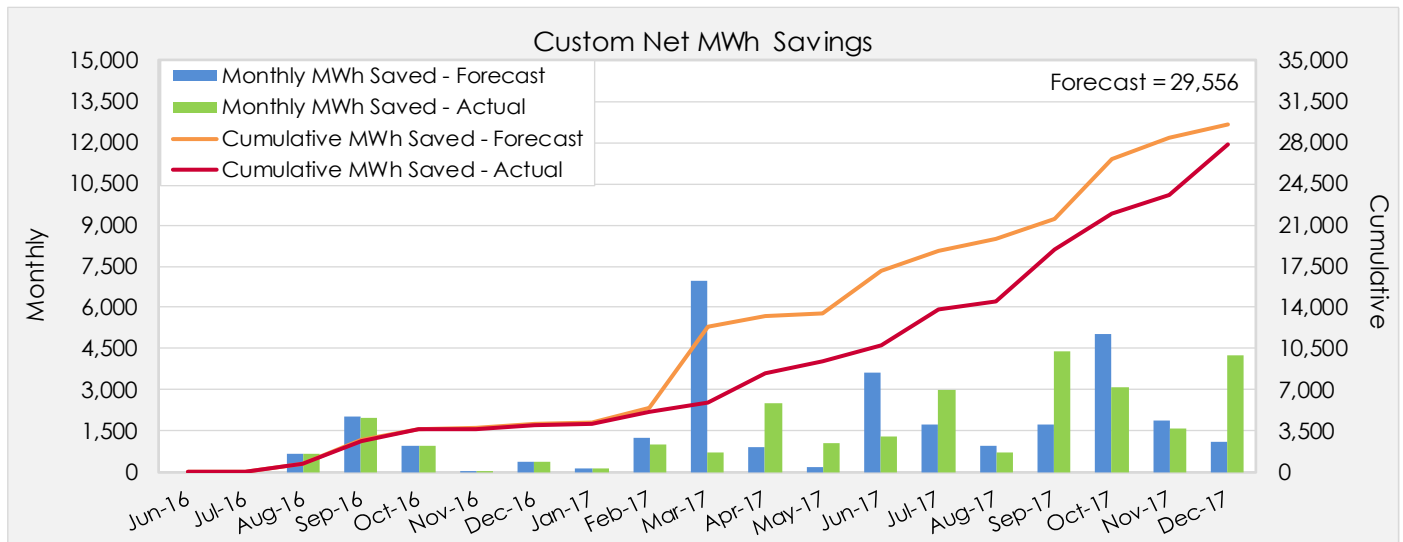
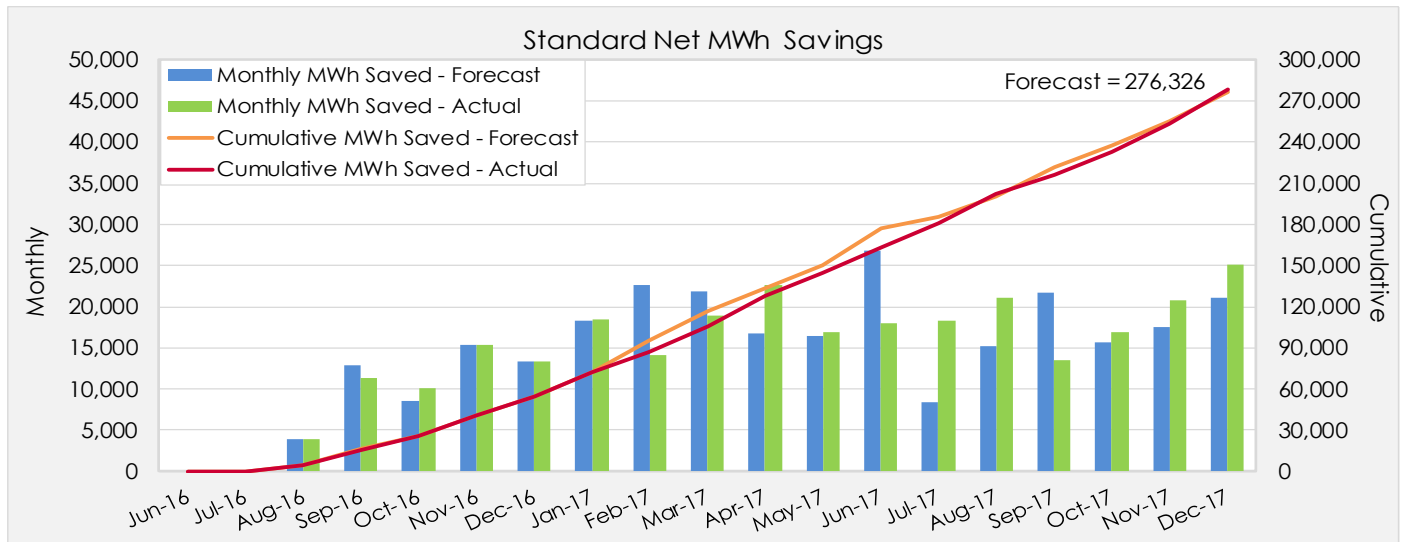
Measure	TRC
C&I	
Heat of Compression Desiccant Air Dryers	0.83
Heated Desiccant Dryer w-VSD Compressor	3.23
Heated Desiccant Dryer w-Load-No-load Compressor	1.22
Heated Desiccant Dryer w-Variable Displacement Compressor	1.87
Blower Purge Desiccant Dryer w-VSD Compressor	3.36
Blower Purge Desiccant Dryer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

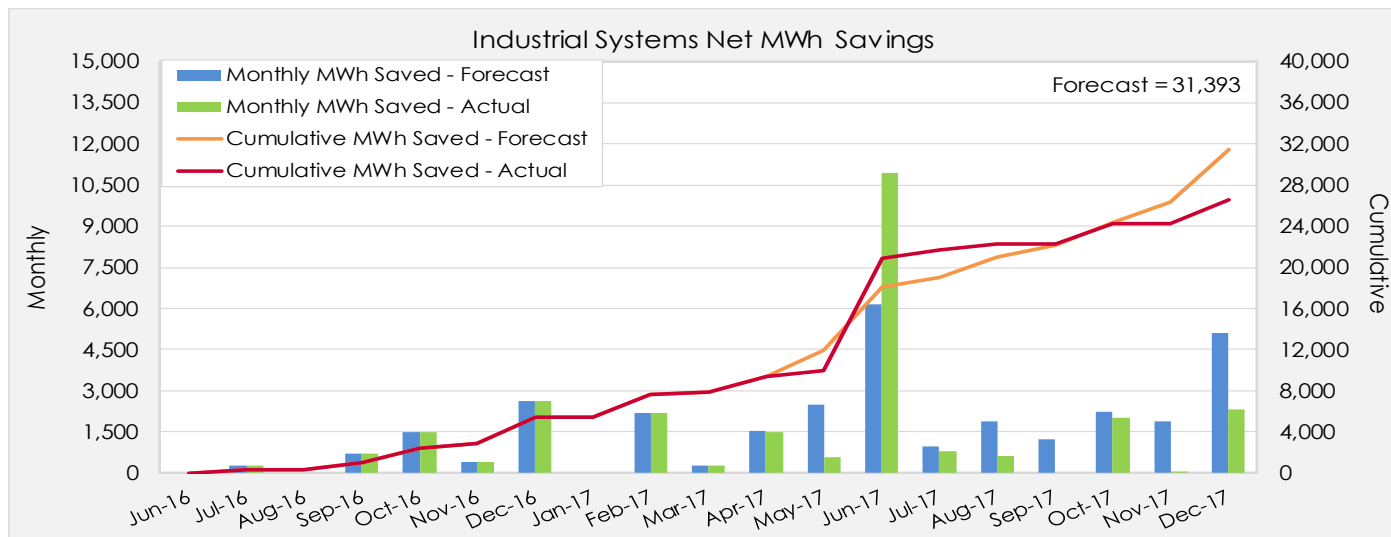
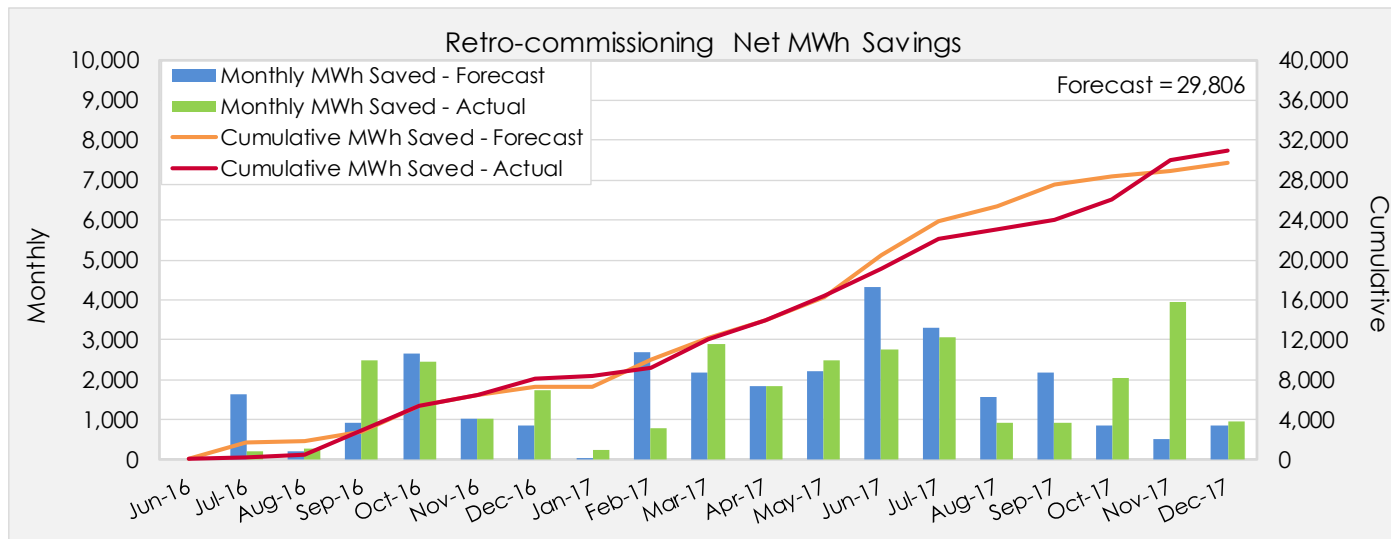
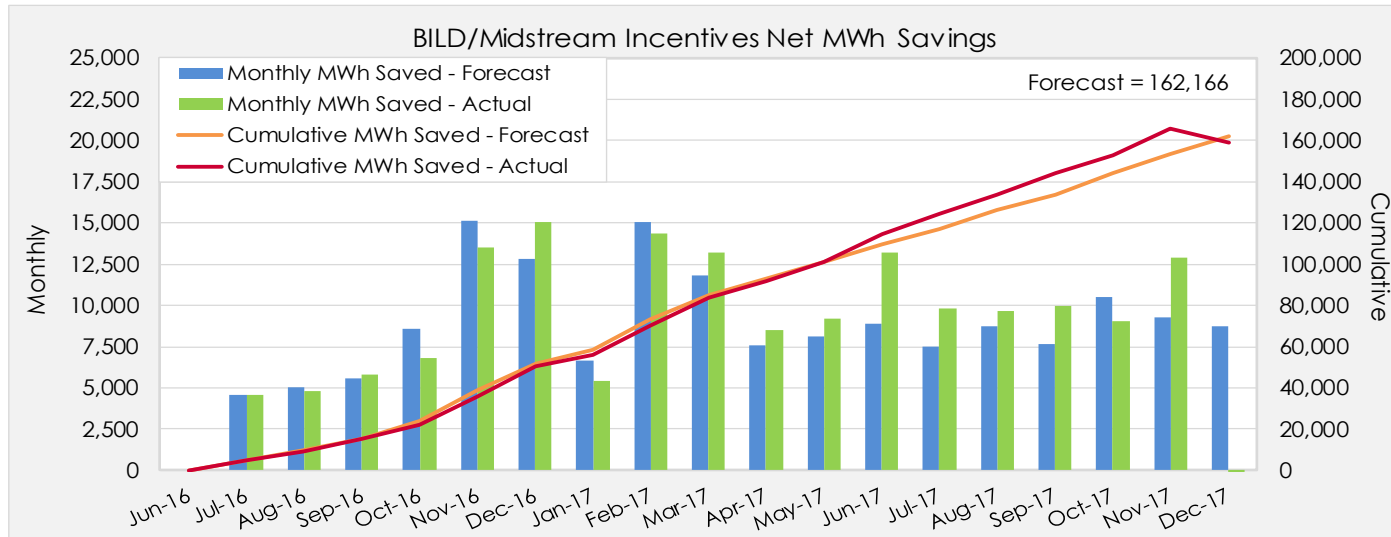
** This is a PY9 addition that was implemented at the end of PY8 for seasonal reasons.

*** 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).

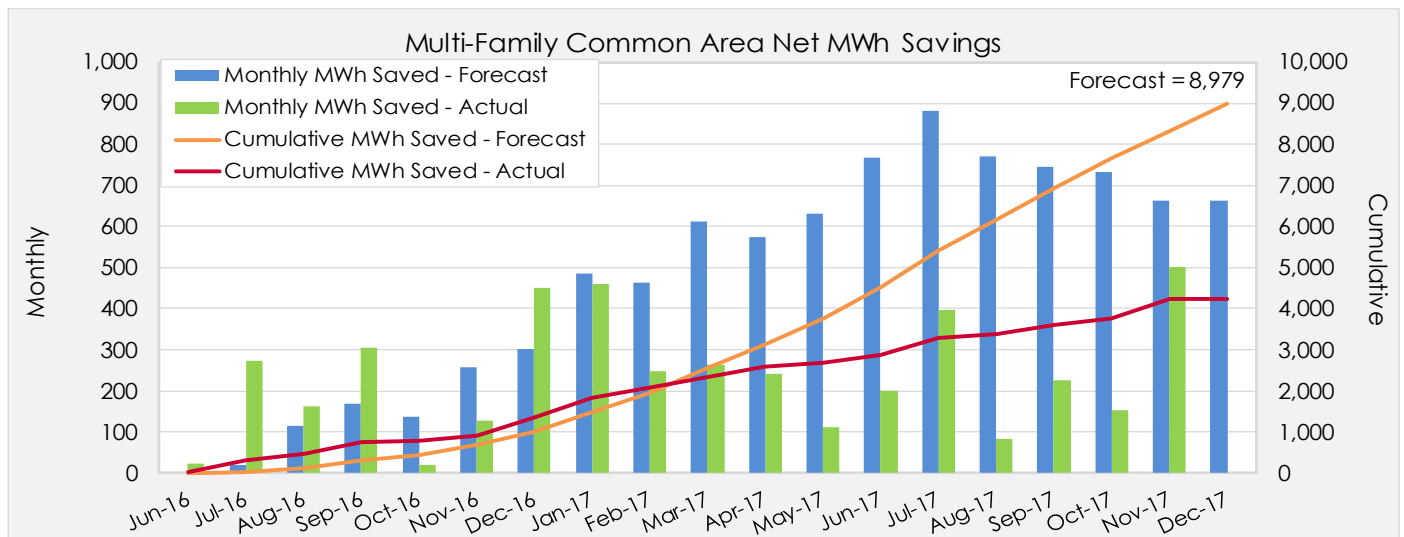
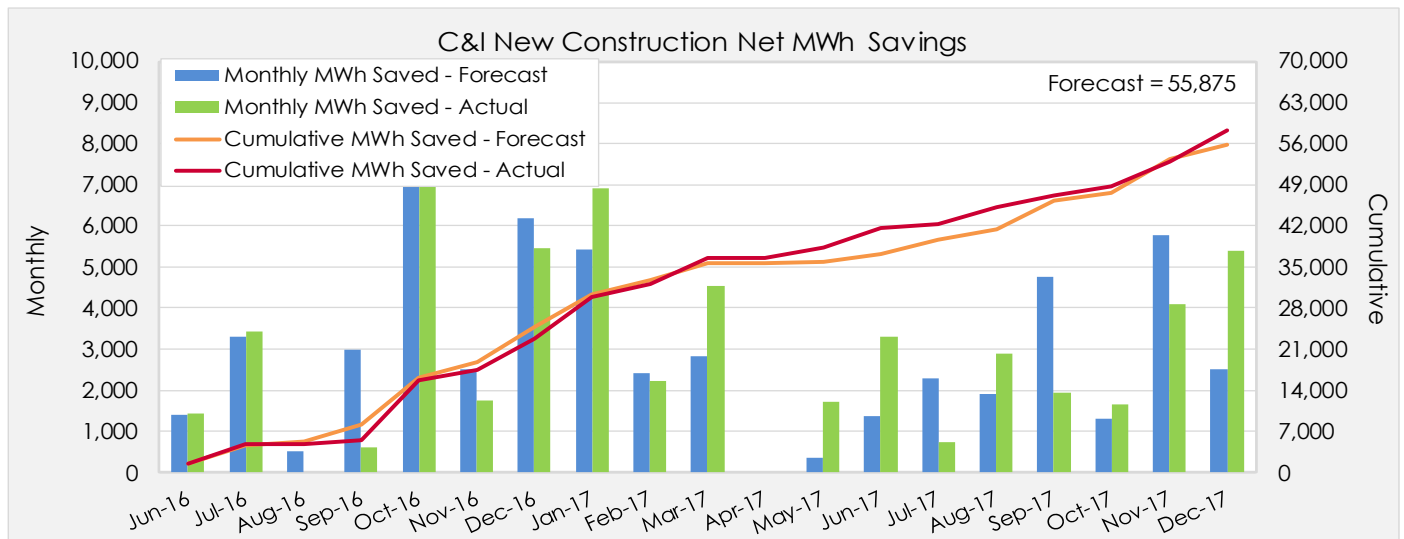
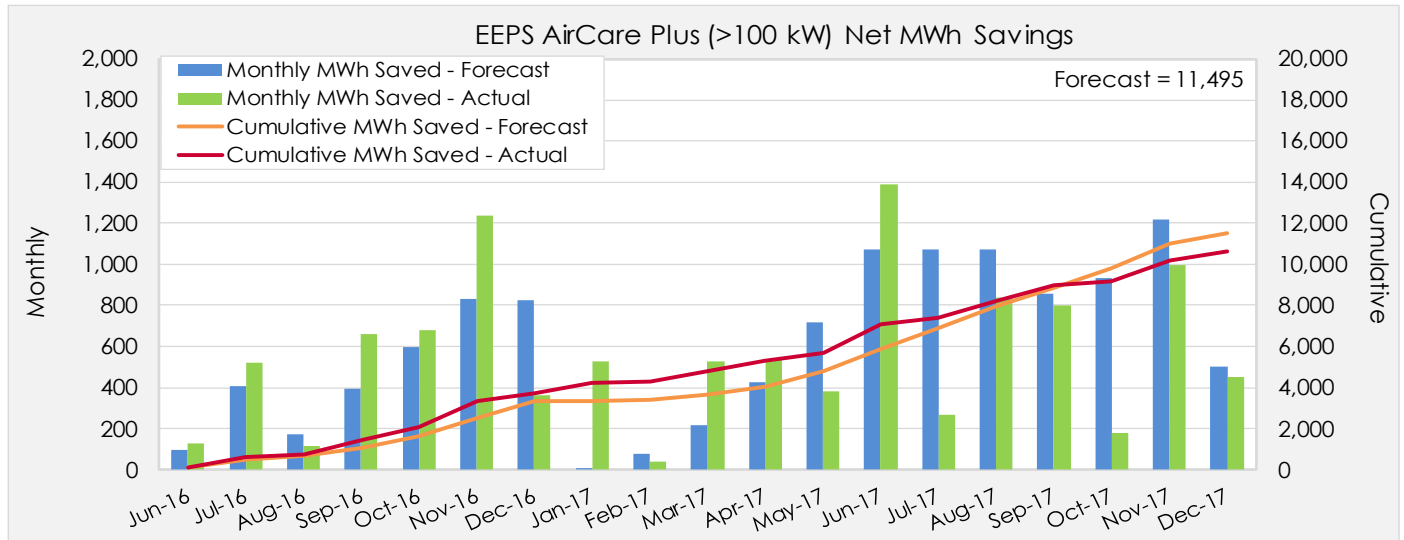
EEPS Programs – Business – Monthly



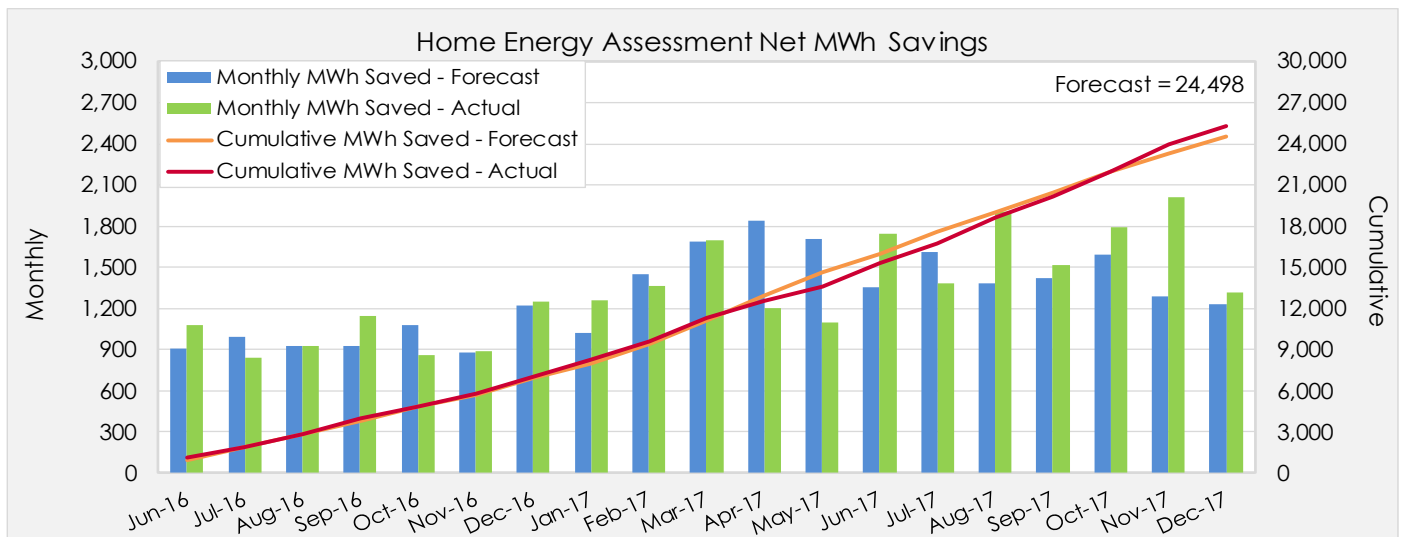
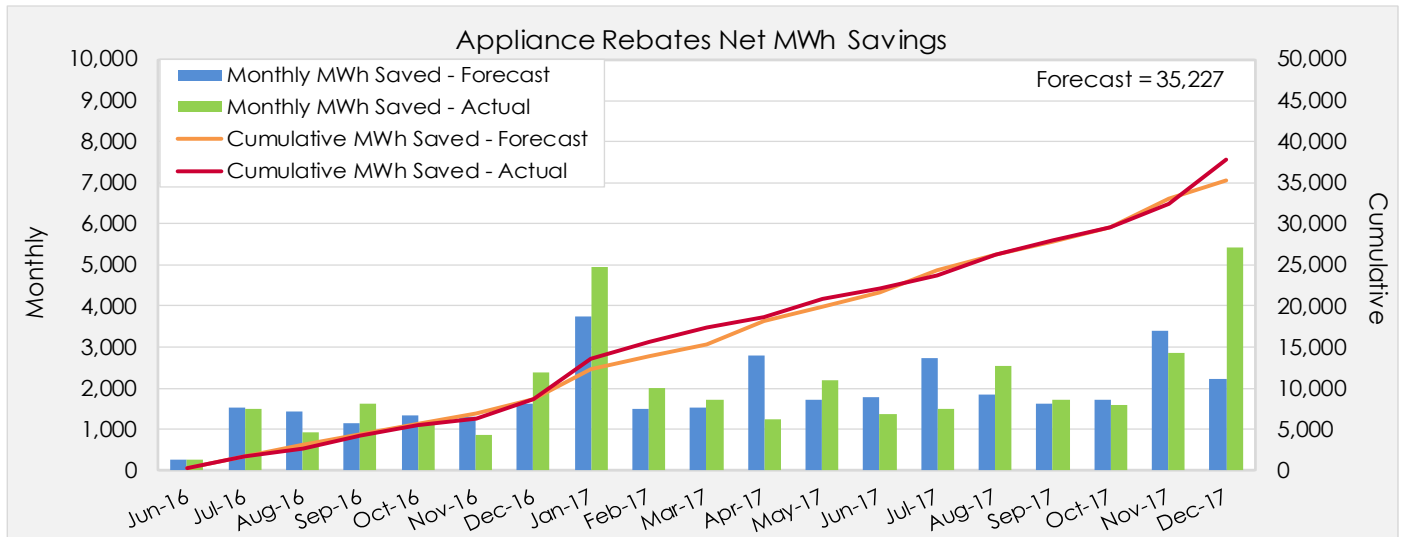
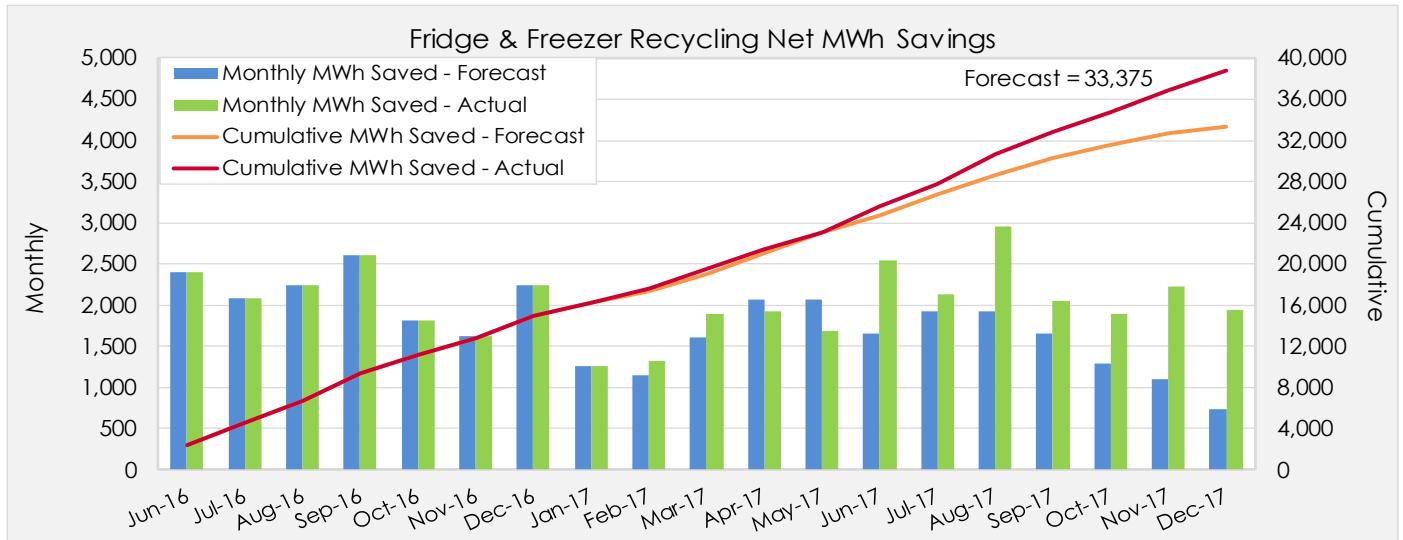
EEPS Programs – Business – Monthly



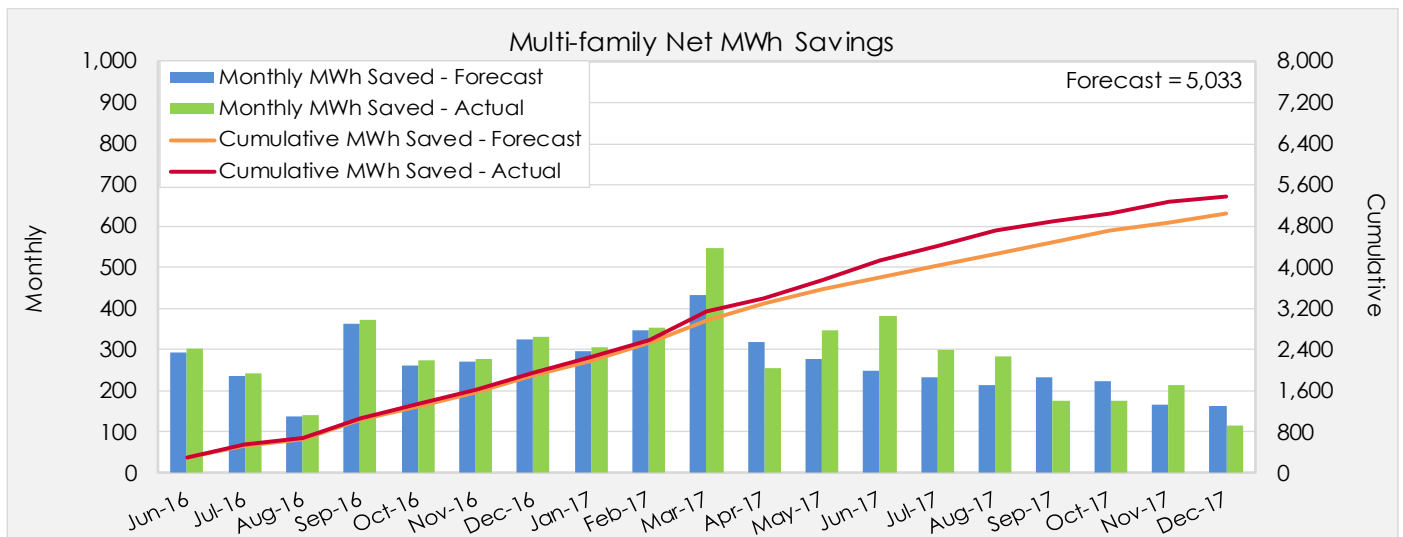
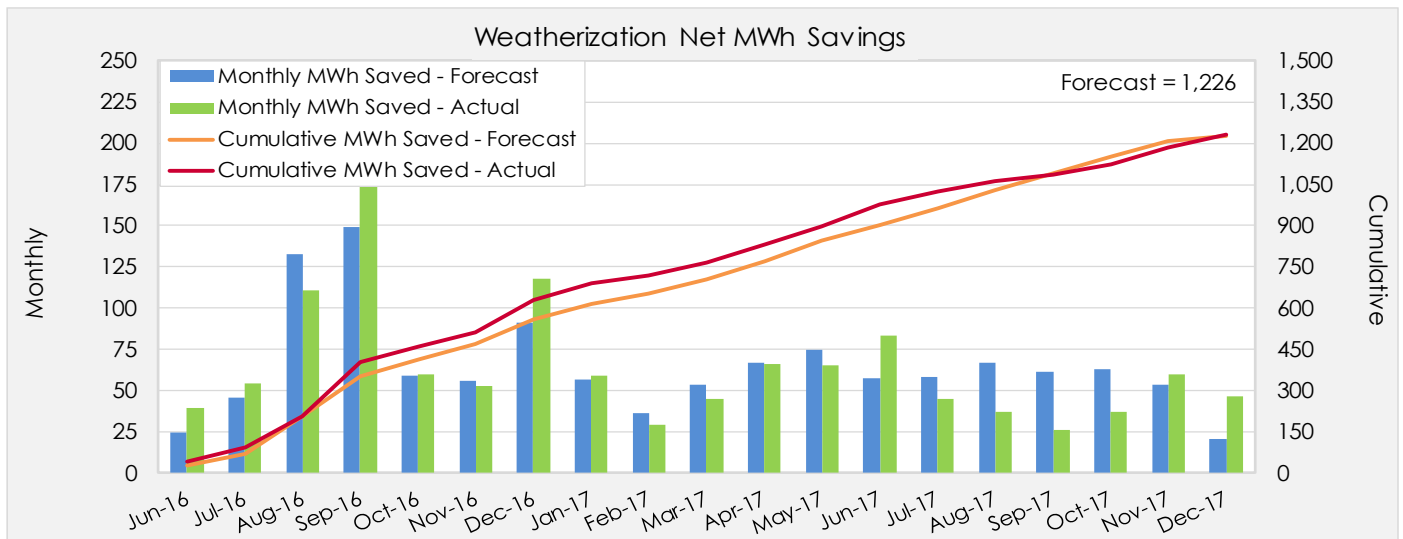
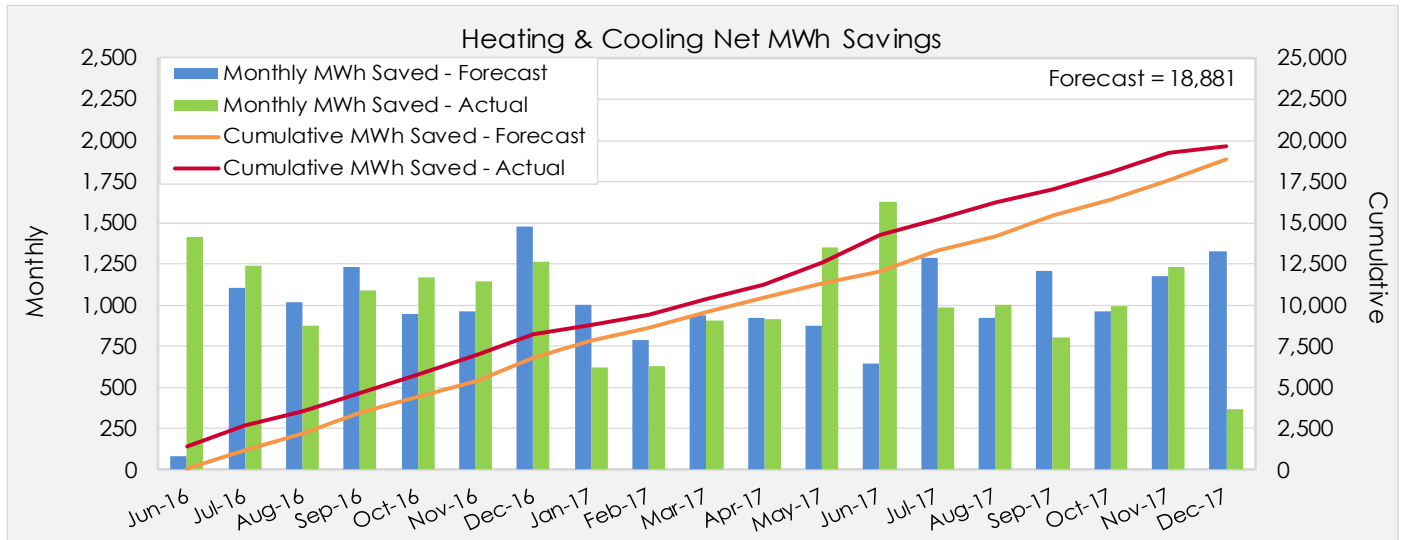
EEPS Programs – Business – Monthly



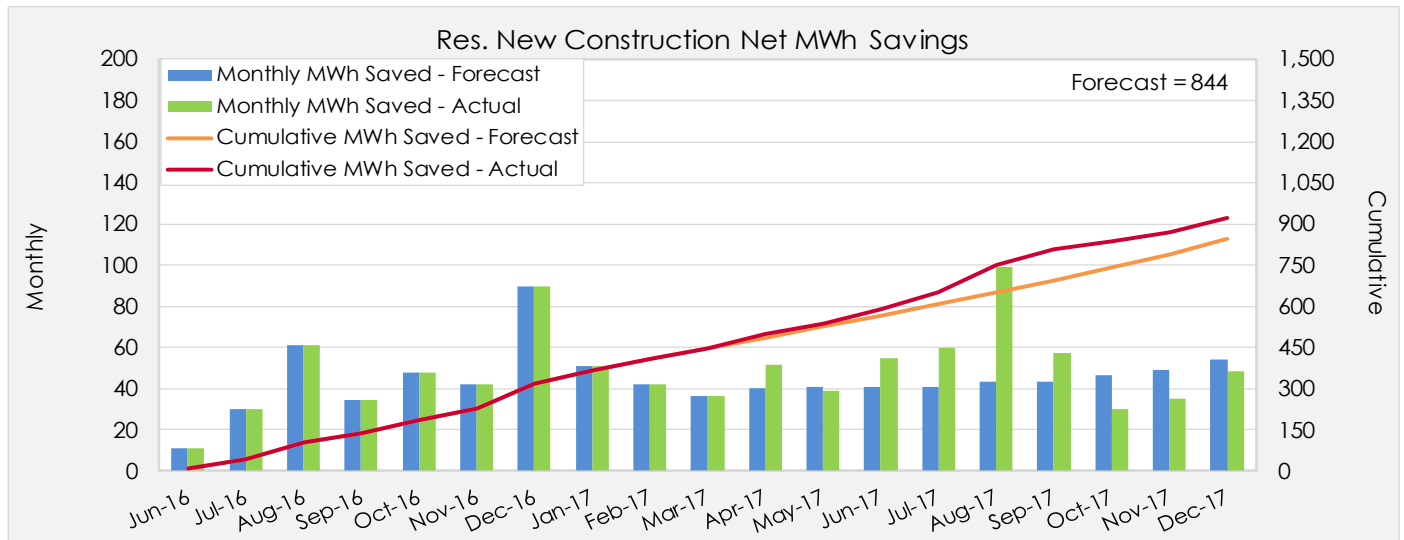
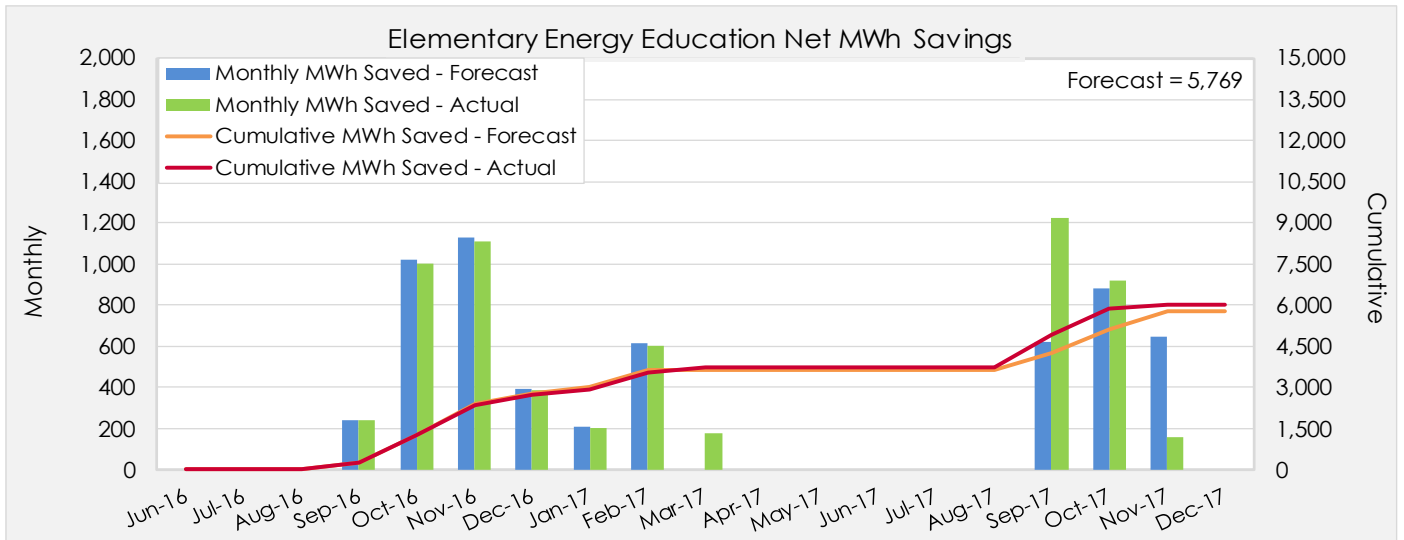
EEPS Programs – Residential – Monthly



EEPS Programs – Residential – Monthly



EEPS – Residential – Monthly



IPA Programs – ComEd – Monthly

