



comedSM

AN EXELON COMPANY

CY2024 THIRD QUARTER REPORT



**ComEd has received the ENERGY STAR Partner of the Year Award for Sustained Excellence for the 12th consecutive year.
ComEd customers have saved more than \$10.5 billion on energy bills and avoided over 68 billion pounds of carbon through its energy efficiency programs.**

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. For 2024, the emission conversion factor used to calculate pounds carbon/kWh is 0.7385.

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Portfolio Summary

1,363,964

Actual Net MWh YTD

1,923,969

2024 MWh Forecast

\$266,240,011

Actual Spend YTD

\$437,772,939

2024 Budget

PORTFOLIO

- Through Q3, the portfolio has achieved approximately 71% of its 2024 savings forecast.
- Since its inception in 2008, the ComEd Energy Efficiency Program has saved ComEd customers over \$10.5 billion on their electric bills.

RESIDENTIAL IMPLEMENTATION

- Through Q3, market rate residential programs have achieved 79% of their combined 2024 savings forecast of 273,471 MWh, not including converted therms or electrification.
- Through Q3, income eligible residential programs have achieved 77% of their combined 2024 savings forecast of 508,028 MWh, including the Whole Home Electrification program, excluding converted therms or electrification.
- Customers have received over 3,600,000 incentives through Q3
- Over 20,400 homeowners & tenants – consisting of over 17,200 income eligible participants - have received products from assessments through Q3.

C&I IMPLEMENTATION

- Through Q3, private sector programs have achieved 59% of their combined 2024 savings forecast of 600,657 MWh, not including therms or electrification.
- Through Q3, public sector programs have achieved 58% of their combined 2024 savings forecast of 107,563 MWh, not including therms or electrification.
- Through Q3, over 4,800 private sector projects and over 800 public sector projects have been completed.

Residential Implementation Programs

Residential Direct to Consumer Program Highlights

- **Home Energy Savings (HES) (Home Energy Assessment, Income Eligible Retrofits)** – The Home Energy Assessment (HEA) program has successfully conducted a total of 8,124 assessments, including in-home, virtual, and online self-assessments through Q3. The Income Eligible (IE) HEA component continues to demonstrate strong performance, contributing 6,043 completed projects through Q3. IE HEA is poised to serve over 150 more customers than initially planned and achieve approximately 20% higher savings by the end of 2024. Retrofits experienced the strongest quarter of the year, distributing over \$7.2 million in ComEd incentives to comprehensively serve customers with weatherization and other measures. Although the Illinois Home Weatherization Assistance Program (IHWAP) faced some challenges in Q3 due to delays with the rollout of a new software tool that agencies are now required to use for single family IHWAP projects, the offering anticipates a rebound in production during Q4.
- **Multi-Family Energy Savings (MFES) - (Income Eligible, Public Housing, and Market Rate)** – The Multi-Family Energy Savings (MFES) program continued strong performance, distributing over \$15.6M in incentives to income-eligible property owners and Public Housing Authorities (PHAs) through Q3. MFES installed over 500 heat pumps in Rockford, DeKalb, and Aurora, saving approximately 6.5 GWh of energy and providing \$3.3M in incentives during the period of January to September. On September 5th, MFES recognized the Housing Authority for the County of DeKalb (HACD) for its energy efficiency efforts. Since 2018, HACD has utilized over \$1.1M in offering incentives to install new heat pumps, boilers, furnaces, refrigerators, indoor and outdoor lighting, weatherization, health and safety, and more, amounting to approximately 1.2 GWh of savings.
- **Whole Home Electric (Single and Multi-Family Upgrades Electrification - IE)** – The Whole Home Electric (WHE) offering completed its first multi-family project of 2024, installing new heat pumps in 107 units. WHE has served an additional 65 single family homes through Q3, bringing the total number of homes electrified via the offering to 172. To date, WHE projects have been completed in 27 zip codes, and have resulted in 2.9 GWh of electrification savings. ComEd and the City of Chicago continue to assess the potential for partnership between the WHE offering and the City's 'Green Homes Chicago' program, given the programs' similar objectives.

Residential Implementation Programs

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Savings – Market Rate Assessment	515	64%	2,081	Homes
Home Energy Savings – Income Eligible Assessment	7,446	76%	6,043	Homes
Home Energy Savings – Income Eligible Retrofits	3,144	71%	1,827	Homes
Multi-Family Energy Savings – Income Eligible	19,959	73%	Tenant Unit Direct Installation: 9,202 Site Assessments: 328 Building Upgrades: 2,260	Projects
Multi-Family Energy Savings – Public Housing	860	91%	Tenant Unit Direct Installation: 139 Site Assessments: 0 Building Upgrades: 219	Projects
Multi-Family Energy Savings – Market Rate	2,741	56%	Tenant Unit Direct Installation: 1,200 Site Assessments: 33 Building Upgrades: 95	Projects
Whole-Home Electric	2,944	52%	Single Family Homes: 65 Multi-Family Buildings: 1 Tenant Unit Conversions: 107	Projects

Residential Implementation Programs

Residential Channels Program Highlights

- **Retail (Market Rate and Income Eligible)** – As of the end of Q3, the Retail offering continues to see an outperformance of heat pump dryers, induction cooktop and ranges and weatherization products as these measures have exceeded initial unit forecasts. Lighting measures continue to perform well with omnidirectional, specialty and fixtures exceeding the unit targets year to date. A room air purifier Limited Time Offer (LTO) was launched and completed in Q3. This LTO resulted in 8,377 units sold. A multi-layered media approach was launched in August to reach income eligible customers and build awareness around higher instant discounts and rebates. This approach includes digital dynamic mobile and carousel ads, direct mail/savings booklets, pole banners, interior car and rail cards, pizza boxes and signage in laundromats, salons, and barber shops. While the campaigns continue into Q4, so far the digital ads in market between August 1 and September 30 have seen a favorable engagement rate of 0.42% which is 5% above the industry benchmark. Digital banners have yielded 5.54M impressions and ~1,500 clicks. The digital dynamic and mobile ads are intended to increase customer awareness of rebates and discounts and can lead customers to nearby retailers by providing directions upon clicking the ad.
- **Product Distribution (Market Rate and Income Eligible)**
 - **Food Bank Distribution** – The offering has distributed more than 2,700,000 products YTD, including over 2,600,000 ENERGY STAR certified lighting products plus over 39,400 water-saving products, over 13,000 advanced power strips, and over 18,500 weatherization measures. This activity occurred through 711 participating food pantries associated with 4 major food bank partners (Greater Chicago Food Depository; Northern Illinois Food Bank; River Bend Food Bank; Illinois Partners In Hope) plus an extended independent partner network. The program hosted 13 in-person events during Q3 where outreach staff interacted directly with customers about ways to save energy and an additional 5 events were supported as grab-and-go due to pantry space constraints. A food distribution event in September at the site of the old Sherman Hospital in Elgin, sponsored by Northern Illinois Food Bank, provided an opportunity to distribute energy saving products and informational material to an estimated 250 income eligible customers.
 - **Income Eligible Kits** – Through the end of Q3, more than 36,000 energy saving kits were distributed to income eligible customers throughout the communities served by ComEd with 63% of these kits being funded through our joint partnership with the local natural gas utilities. Participation remained steady over the past three months. Community Action Agencies (CAAs) continue to be the primary providers of customer outreach, recruitment, and enrollment leads for kit distribution efforts, with the Community and Economic Development Association of Cook County (CEDA), Community Action Partnership of Lake County, Rockford Human Services Department, and Tri-County Opportunities Council organizations accounting for much of this activity.

Residential Implementation Programs

- **School Kits** – After a mid-year summer break, deliveries resumed in August as the fall school term welcomed students into classrooms around the northern Illinois area. Through the end of Q3, there were 13,762 jointly funded income eligible (IE) school kits and 15,048 jointly funded market rate (MR) school kits distributed to students.
- **Residential New Construction - Affordable Housing New Construction (AHNC)** – Through the end of Q3, AHNC has enrolled 31 new projects and completed 12 affordable housing projects with 800 income eligible units. During Q3, there were several AHNC project milestone celebrations including Access Health & Housing in Homan Square, Otto Veteran's in Chicago Heights, and the Earle School in Englewood, resulting in substantial local media coverage. AHNC staff also attended tours of the Fifth City Commons passive building project and participated in housing industry events networking and educational events.
- **Residential New Construction - Electric Homes New Construction (EHNC)** offering completed 9 all-electric homes in Q3. The 9 projects included 5 single family homes, 3 2-flat projects, and 1 4-flat project, totaling 15 all-electric units. The Q3 projects were completed by 7 different builders. The program offers yard signs and banners for completed projects to promote the program. Currently five-yard signs and two banners are deployed for completed projects. During Q3 the program attended 3 events with Home Builder Associations and past participating builders.
- **Home Heating and Cooling** – In Q3, the program continues to have a strong performance, and the program processed 1,936 incentives which included 1,533 air source heat pumps, 400 mini split heat pumps and 3 geothermal heat pumps. At the end of Q3, a total of 508 contractor companies completed the heat pump training requirements that span 523 contractor locations. The list of Energy Efficiency Service Provider (EESP) for geothermal has grown to 22 contractors. During Q3, the program held 2024 Distributor Round Table with the top 10 distributors attending the round table. The program team and the distributors discussed program design, program output, and how the program can better serve its mission to grow heat pump adoption.

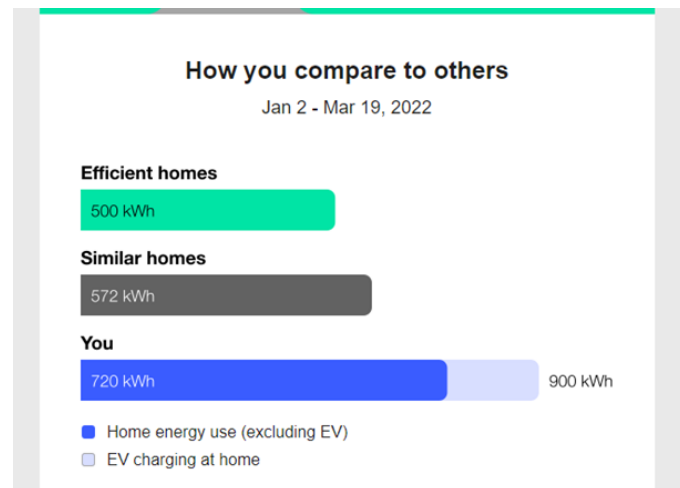
Residential Implementation Programs

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Retail – Market Rate	111,833	82%	Home Products: 1,473,590	Appliances, Air Sealing
Retail – Income Eligible	145,747	74%	Home Products: 617,229 Lighting: 1,570,387	Appliances; Light Bulbs
Product Distribution – Market Rate	3,335	89%	15,048	School Kits
Product Distribution – Income Eligible	209,461	81%	2,776,925	Kits and Food Bank Measures
Residential New Construction – Affordable Housing	1,881	56%	12	Projects
Residential New Construction – All Electric	565	45%	42	Homes
Heating and Cooling – Midstream Heat Pump Rebates	19,401	82%	Air Source T1: 2,973 Air Source T2: 1,635 Mini-Split: 1,264 Geothermal Full Loop: 19 Geothermal Indoor replacement: 11	Units

Residential Implementation Programs

Residential Journey Coordination Program Highlights

- Home Energy Report** – Home Energy Reports completed two big projects for Q3. First, the new EV HER launched in August. Within the EV HER, the neighbor comparison includes a section for EV charging at home. With this addition, an EV customer can have an apples-to-apples review of their consumption against similar homes while also seeing their EV charging consumption. The EV HER also includes modules focusing on energy efficiency strategies based on their EV charging usage. The second project launched two personalized videos promoting the Smart Assistance Manager (SAM) and My Account. The SAM video was sent to approximately 400,000 LMI customers to teach them about all the opportunities available with SAM; the My Account video was sent to approximately 200,00 customers educating them on the energy management benefits of a ComEd My Account. The videos are personalized by welcoming the customers by name and including actual data on the customer’s energy usage. Metrics from this project include high engagement rate from LMI customers, a 50% uplift in My Account creations, as well as both videos had more activity from Spanish-speaking customers.



Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Report	79,421	77%	Home Energy Reports (print): 7,504,544 Home Energy Reports (email): 7,409,066 High Usage Alerts: 5,711,048 Weekly Usage Reports: 3,029,669	Reports and Alerts

C&I Implementation Programs

Business Program Highlights

- Small Business (Private and Public)** – In Q3, Small Business launched a new ‘50% For All’ campaign promotion to drive more customer participation after a slow start to the year. The ‘50% For All’ campaign is stackable with the Summer Savings designed to increase participation with 37 non-lighting measures. The campaign has been a great success, generating a one-week all time high of over 300 customer applications for \$6.4M in incentives. This was higher intake than any other week in the program’s history.
- Standard (Private and Public)** – In Q3, Standard extended the final application deadline for the 15% additional incentives for projects in select communities. The new deadline is set for October 31 in addition to two new fall promotions for pre-application additional incentives and early final applications. In other program news, the Standard team held a successful Selling Energy sales training event in Q3 for 48 Standard closed EESP network participants.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Small Business – Private	99,855	53%	2,868	Projects
Small Business – Public	14,902	59%	233	Projects
Incentives – Standard – Private	117,033	71%	1,229	Projects
Incentives – Standard – Public	14,126	50%	342	Projects

C&I Implementation Programs

Technical Program Highlights

- **Incentives – Custom** – A Custom offering video was developed and deployed, and now being promoted on LinkedIn and YouTube to drive offering awareness. To date, the video has had approximately 127,000 views. The YouTube ad went live on August 1 and the LinkedIn ad went live on August 8. Throughout the quarter, the Custom team provided articles in ComEd energy efficiency newsletters to promote the offering. An article in the July Biz Wire was placed to promote the select communities' incentive, which had the top link clicked at 79 clicks.
- **Retro-Commissioning (RCx)** – Retro-commissioning launched three promotions on September 1 to drive energy savings to close out 2024 and provide extra assistance to customers in select communities. The promotion for select community customers will provide a 100% additional incentive for projects that complete implementation by December 31. The second customer promotion provides an extra \$15,000 incentive to customers that complete measure implementation of 500,000+ kWh by October 15. Finally, all EESPs are eligible to receive a tiered incentive promotion based on the amount of energy savings verified between July 1 and November 15.
- **Industrial Systems (IS)** – The continued focus on select communities has resulted in over 100% growth as compared to 2023 Q3 with a total to date of 145 projects completed at 10,150 net MWh savings. Of note, a very large process cooling project at a plastics manufacturer with a major upgrade to the chiller plant resulted in 3.8 GWh of energy savings, the largest to date for the program. The engineer led outreach cold call initiative led to a treasure hunt at a nut manufacture with 1.3 GWh of opportunities identified with comprehensive studies for compressed air, refrigeration, process cooling and process efficiency.
- **Strategic Energy Management (SEM)** – Continuous recruiting for the SEM offering has increased engagement with 14 customers joining SEM cohorts in Q3. Six SEM workshops were held in Q3 for customer engagement, sharing and technical education. 12 customers continue participation on DOE 50001 Ready to increase focus on energy efficiency and sustainability within their companies. The program also launched the first ComEd sponsored SEM Express program, allowing customers with a lower annual kWh threshold to participate in the SEM and implement energy efficiency improvements at their facilities. Six participants successfully signed on and have begun working with their energy coaches.
- **C&I New Construction (CINC)** – CINC attended several events to promote the new construction program including Bisnow Construction and Development, the REjournal Apartment and Affordable Housing Summit and the Bisnow Architecture and Design event. Additionally, the CINC team developed a video to promote the new construction program, which was completed in August. A social media promotion on both LinkedIn and YouTube is currently underway to promote the video and the program.
- **Midstream/Upstream (Instant Discounts)** – In Q3, Instant Discounts held its first in-person lighting distributor roundtable since the pandemic. The roundtable included the top 10 distributors and focused on industry trends, new products and market potential. The roundtable was well received by participants and the insights gained during the discussion will undoubtedly support the continued success of the offering. Instant Discounts is continuing to

C&I Implementation Programs

see increased participation in the HVAC category as compared to 2023 due in part to the incentive alignment with ComEd's residential offering, and participation in the fork truck measure is expected to exceed its original savings goal by ~40%.

- **Commercial Food Services (CFS)** – In Q3, CFS created and distributed new marketing materials to support a strong finish towards its year end goals in the form of participant window clings, new offering banners, printed informational materials. IL CFS has seen a surge in public and private sector performance and is set to exceed year end goals.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Incentives – Custom – Private	5,153	44%	54	Projects
Incentives – Custom – Public	891	61%	9	Projects
Retro-commissioning – Private	12,189	46%	95	Projects
Retro-commissioning – Public	9,994	58%	92	Projects
Industrial Systems	30,496	58%	385	Projects
Strategic Energy Management – Private	7,409	20%	169	Participating Customers
Strategic Energy Management – Public	1,551	21%	196	Participating Customers
C&I New Construction – Private	4,276	92%	29	Projects
C&I New Construction – Public	467	42%	3	Projects
Midstream/Upstream – Private	76,924	68%	466,567	Lighting products; battery chargers; HVAC, Fork Trucks
Midstream/Upstream – Public	20,396	77%	259,593	Lighting products; battery chargers; HVAC, Fork Trucks
Commercial Food Services - Private	828	63%	354	Units
Commercial Food Services - Public	40	59%	15	Units

C&I Implementation Programs

Engineering Program Highlights

- **Facility Assessments/Operational Measures** – Facility Assessments/Operational Measures will continue to be provided to customers but will no longer be an evaluated program.

Voltage Optimization

Voltage Optimization Highlights

- Savings below are equivalent to 43.7 million pounds of carbon dioxide reduction or removing 4,410 passenger vehicles driven each year.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Voltage Optimization	59,112	50%	21 stations; 165 feeders	Stations Activated; Feeders Activated

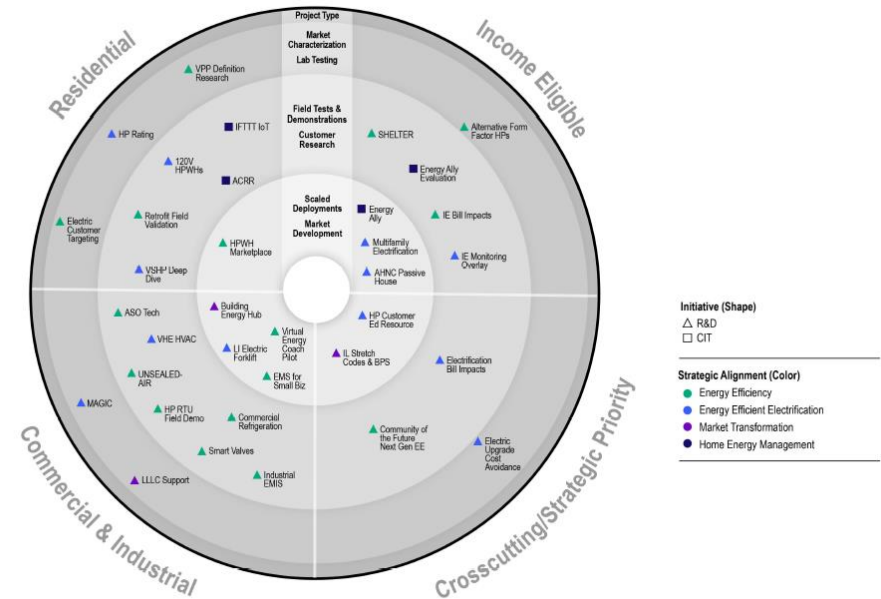
Emerging Technologies and Market Transformation (“R&D”)

R&D Highlights

The mission of the R&D team is to identify, test, validate, and integrate new energy-saving technologies and program delivery strategies into the ComEd Energy Efficiency Program so that it continues to meet customers’ needs and its energy savings goals cost-effectively. For the first time, this quarterly report also includes projects active with Customer Innovation Technologies, a parallel team within ComEd Customer Solutions focused on the non-EE range of demand side management innovation concepts, such as peak load reduction, distributed energy resources, and home energy management systems. The report is renamed “Customer Innovation” to reflect this broader team, but energy efficiency R&D projects are still identified throughout.

- Please refer to the *Customer Innovation* section in the Appendix for a summary of active Energy Efficiency Emerging Technologies and Market Transformation projects.

ComEd Customer Innovation Portfolio Summary 2024 Q3



This visualization provides an overview of the Customer Innovation Team’s selected research concepts and projects for 2024, organized by stage of research and relevant customer segments. Further information about each project may be found in the following table. Project descriptions are available on the ComEd Customer Innovation website at [Innovate.ComEd.com](https://innovate.comed.com).

Marketing Education & Awareness

Marketing Education & Awareness Highlights

Energy Efficiency Business Campaign 2024 (Education & Awareness/Private Sector/Public Sector)

Overview: The campaign promotes awareness of energy efficiency offerings for business customers. Customers were driven to ComEd.com/PoweringBiz to learn more.

- In-market: 1/10/24 - 9/30/24
- 2024 Q3 paid media consisted of:
 - Meta (Facebook Display, EN, CHI + ROK)
 - LinkedIn (Display, EN, CHI)
 - Nexxen Digital Display (EN, CHI + ROK)
 - StackAdapt Digital Display (EN, CHI + ROK)
 - Negocios Now Print (ES, CHI)
 - Outdoor (Digital Expressways, Transit Shelters, EN, CHI)
 - Radio :30s (WBBM-AM, WSCR-AM Cubs, WMVP-AM White Sox/Bears, WLIT-FM)
 - TV, Non-Spot TV (NBCU Live Announcer Reads, EN, CHI)
- The campaign generated 28,241,330 total digital impressions as of September 30, 2024
 - Meta (Facebook Display, EN, CHI + ROK): 16,531,545
 - LinkedIn (Display, EN, CHI): 1,362,586
 - Nexxen Social Display (Display, EN, CHI + ROK): 4,830,910
 - Nexxen Digital Display (EN, CHI + ROK): 4,884,675
 - StackAdapt Digital Display: 631,614

Energy Efficiency Electrification (EEE) Business Campaign, 2024

Overview: This campaign builds business customer awareness of the benefits of making the switch to electric products and equipment. Customers were driven to ComEd.com/CleanEnergy to learn more.

- In-market: 3/11/24 - 9/30/24
- 2024 Q3 paid media consisted of:
 - Meta (Facebook Video, EN, CHI + ROK)
 - LinkedIn (Display, EN, CHI)
 - Nexxen Digital Display (EN, CHI + ROK)
 - StackAdapt Digital Display (EN, CHI + ROK)
 - Radio :30s (EN, CHI)
- The campaign generated 4,993,330 total digital impressions as of September 30, 2024
 - Meta (Facebook Video): 670,909
 - LinkedIn: 942,462
 - Nexxen Digital Display: 3,185,906
 - StackAdapt Digital Display: 194,053

Energy Efficiency Education & Awareness Campaign, (EEE) Residential 2024

Marketing Education & Awareness

Overview: This campaign drives residential customer (market rate & LMI) education and awareness of the overall benefits of Energy Efficiency offerings and electrification. Customers were driven to ComEd.com/CleanEnergy to learn more.

- In-market: 1/19/24 - 9/30/24
- 2024 Q3 paid media consisted of:
 - Meta (Facebook Video, EN, CHI + ROK)
 - Nexxen Digital Display (EN, ES, CHI + ROK)
 - Nexxen Digital Video (EN, CHI)
 - StackAdapt Digital Display (EN, ES, CHI + ROK)
 - StackAdapt Digital Video (EN, CHI)
 - NBCU – Peacock+ (Large Screen CTV, EN, CHI + ROK)
 - Radio :30s and :5s, :10s, and :15s live reads (EN + ES, POL, CHI + ROK)
 - Comcast Cable :30s (EN, CHI)
 - Broadcast TV :30s (EN, ROK)
 - Streaming, SWAAG TV :30s (EN, CHI)
 - Print (EN, ES, POL, KOR, MAN, CHI + ROK)
- The campaign generated 27,827,747 total digital impressions as of September 30, 2024
 - Meta (Facebook Video): 3,594,812
 - Nexxen Digital Display: 21,151,594
 - Nexxen Digital Video: 1,089,729
 - StackAdapt Digital Display: 993,048
 - StackAdapt Digital Video: 389,551
 - NBCU – Peacock+ (Large Screen CTV): 609,013

Energy Efficiency (EE) Retail Campaign, 2024

Overview: This campaign drives market rate and LMI customer awareness of energy efficiency rebates and discounts on ENERGY STAR® certified appliances and home products being offered by the ComEd Energy Efficiency Program. Customers were driven to ComEd.com/Save to learn more.

- In-market: 2/29/24 - 9/30/24
- 2024 Q3 paid media consisted of:
 - Nexxen Social Display (EN, CHI + ROK)
 - Nexxen Display (EN, CHI + ROK)
 - Nexxen Digital Video (EN, CHI + ROK)
 - StackAdapt Display (EN, CHI + ROK)
 - Radio :30s (EN, ES, CHI + ROK)
 - Comcast :30s (EN, CHI)
 - Cinema:30s (EN, CHI)
- The campaign generated 5,808,622 total digital impressions as of September 30, 2024
 - Nexxen Social Display: 923,663
 - Nexxen Display: 4,139,720
 - Nexxen Digital Video: 244,980

Marketing Education & Awareness

- StackAdapt Display: 500,259

Energy Efficiency IE (Income Eligible) Retail Campaign, 2024

Overview: This campaign drives LMI customer awareness of energy efficiency rebates and discounts on ENERGY STAR® certified appliances and home products being offered by the ComEd Energy Efficiency Program (higher rebate & discount amounts for IE customers). Customers were driven to ComEd.com/EESave to learn more.

- In-market: 8/5/24 - 9/30/24
- 2024 Q3 paid media consisted of:
 - Vericast Dynamic Mobile & Carousel Banner Ads (EN, ES, CHI)
 - Vericast Direct Mail – Coupon Book Wraps (EN, ES, CHI)
 - Undertone Mobile Grabber Ad (EN, CHI)
 - NVision Pizza Boxes and Window Clings (EN, CHI)
 - NVision Laundromat/Salon/Barbershop Posters (EN, ES, CHI)
- The campaign generated 6,043,260 digital impressions as of September 30, 2024
 - Vericast Dynamic Mobile & Carousel Banner Ads: 5,535,047
 - Undertone Mobile Grabber Ad: 508,213

Stipulations

Plan 6 Stipulations

As part of the Revised 2022-2025 Energy Efficiency & Demand Response Plan 6 Stipulation Agreement (“RSA”), and in compliance with the Clean Energy Jobs Act (“CEJA”), ComEd has agreed to report out on the following stipulations:

RSA § IV (A-6a) ComEd commits to work with stakeholders to develop progress metrics for ICC-filed Quarterly Reports in the second quarter of 2022 and present progress on energy efficiency and financial assistance efforts described above at a joint Committee and SAG meeting.

Metric 1 Number and percentage of customers receiving utility bill assistance that were referred to EE measures/programs, broken down by:

- Number of customers, in total, referred to EE programs, broken down by program and SF/MF designation
- Number of customers referred to EE programs, broken down by program and SF/MF designation for the population of bill assistance customers as a whole
- Number of customers referred to EE programs, broken down by program and SF/MF designation for the top 20 zip codes (and/or census tracts) with the highest disconnection rate

Metric 2 The number and percentage of IQ EE applicants/participants that were referred to energy assistance programs or other financial assistance support (including, the Low Income Home Energy Assistance Program (LIHEAP), the Percentage of Income Payment Plan Program (PIPP), any utility-sponsored assistance program, and the ability to waive customer deposits & late fees, per CEJA provisions) broken down by:

- SF and MF, total and tracked separately
- By zip code and/or census tract

Metric 3 Details on which programs and measures were recommended including:

- The implementer they were recommended by
- Type of referral/recommendation (e-mail, flyer, direct assistance/hand-holding)

Metric 6 Narrative updates on current efforts and future planned efforts to coordinate utility bill assistance and credit and collections with energy efficiency programs

Metric 8 Description of how the company intends to increase outreach in top 20 communities with disconnections (i.e., presentations, materials

distributed, which community organizations, information on how to apply, streamlined application process, etc.)

Q3 Updates

- **Metric 1:** During Q3 of 2024, ~51,000 customers receiving utility bill assistance also received information about Energy Efficiency programs.
 - Local Administering Agencies, by process, offer Energy Efficiency kits to LIHEAP and PIPP recipients and review the weatherization program with them.
 - There were 21,908 LIHEAP customers and 17,965 PIPP customers in Q3
 - Supplemental Arrearage Reduction Program (SARP) customers receive Energy Efficiency information from ComEd packaged as Ways to Save
 - There were 116,584 SARP customers in Q3

ComEd’s customer-facing digital tool, the Smart Assistance Manager (or SAM), serves as a way for customers seeking assistance to receive tailored recommendations for ways to assist with managing their electric bills. During Q3, customers who leveraged the ‘assistance finder’ functionality within SAM received referrals to/information about the following programs:

Programs	Sessions
Bill Payment Assistance	127
Budget Billing	55
Catch Up & Save	143
Credit Empowerment	10
DPA	1,414
Due Date Extensions	781
Fresh Start	96
Free Energy Savings Products	21
LIHEAP	164
Payment Arrangements	1,279
Retail Discounts	90
SARP	811
YNF	50

*Sessions include ONLY authenticated users and can include duplicate visits from the same customer/user based on the zip codes with the highest disconnection rates

Stipulations

The following list represents a breakdown of customers referred to Energy Efficiency programs broken down by program for the top 20 zip codes with the highest disconnection rates (zip codes 60944, 60958, and 61057 did not have any customer participation):

Zip Code / Program	Number of Customers	Zip Code / Program	Number of Customers	Zip Code / Program	Number of Customers
60409	228	60620	178	60636	122
bill-payment-assistance	14	bill-payment-assistance	8	bill-payment-assistance	7
Budget Billing	1	catch-up-and-save	12	Budget Billing	3
catch-up-and-save	10	credit-empowerment	1	catch-up-and-save	6
Due Date Extensions	42	Due Date Extensions	29	Due Date Extensions	22
Free Energy Savings Products	4	Free Energy Savings Products	3	liheapppp	6
liheapppp	14	liheapppp	12	Payment Arrangements	48
Payment Arrangements	73	Payment Arrangements	62	Retail Discounts	3
Retail Discounts	10	Retail Discounts	6	SARP	27
SARP	60	SARP	45	60637	200
60419	64	60621	127	bill-payment-assistance	9
bill-payment-assistance	1	bill-payment-assistance	5	Budget Billing	7
Budget Billing	1	Budget Billing	2	catch-up-and-save	12
catch-up-and-save	3	catch-up-and-save	5	credit-empowerment	1
credit-empowerment	1	Due Date Extensions	27	Due Date Extensions	46
Due Date Extensions	18	Free Energy Savings Products	2	liheapppp	11
liheapppp	1	liheapppp	6	Payment Arrangements	58
Payment Arrangements	27	Payment Arrangements	48	Retail Discounts	6
SARP	12	Retail Discounts	5	SARP	50
60426	138	SARP	27	60644	291
bill-payment-assistance	3	60623	397	bill-payment-assistance	16
Budget Billing	4	bill-payment-assistance	12	Budget Billing	8
catch-up-and-save	2	Budget Billing	6	catch-up-and-save	12
Due Date Extensions	23	catch-up-and-save	23	credit-empowerment	2
Free Energy Savings Products	3	credit-empowerment	1	Due Date Extensions	57
liheapppp	11	Due Date Extensions	82	Free Energy Savings Products	2
Payment Arrangements	50	Free Energy Savings Products	3	liheapppp	18
Retail Discounts	6	liheapppp	16	Payment Arrangements	92
SARP	36	Payment Arrangements	143	Retail Discounts	10
60428	4	Retail Discounts	7	SARP	74
Due Date Extensions	1	SARP	104	60649	78
Payment Arrangements	2	60624	239	bill-payment-assistance	4
SARP	1	bill-payment-assistance	5	catch-up-and-save	4
60472	13	Budget Billing	5	credit-empowerment	1
Due Date Extensions	4	catch-up-and-save	10	Due Date Extensions	11
Payment Arrangements	5	Due Date Extensions	57	Free Energy Savings Products	1
Retail Discounts	1	liheapppp	16	liheapppp	6
SARP	3	Payment Arrangements	83	Payment Arrangements	27
60484	3	Retail Discounts	6	Retail Discounts	6
Due Date Extensions	1	SARP	57	SARP	18
Payment Arrangements	1	60628	214	60827	85
SARP	1	bill-payment-assistance	5	bill-payment-assistance	3
60619	273	Budget Billing	7	Budget Billing	1
bill-payment-assistance	18	catch-up-and-save	12	catch-up-and-save	5
Budget Billing	4	credit-empowerment	1	Due Date Extensions	16
catch-up-and-save	14	Due Date Extensions	55	liheapppp	1
credit-empowerment	1	Free Energy Savings Products	2	Payment Arrangements	33
Due Date Extensions	59	liheapppp	9	Retail Discounts	4
Free Energy Savings Products	1	Payment Arrangements	60	SARP	22
liheapppp	14	Retail Discounts	4		
Payment Arrangements	90	SARP	59		
Retail Discounts	10				
SARP	62				

Stipulations

Metric 2: All (100%) recipients of the Home Energy Savings' Income Eligible Home Energy Assessment (IE HEA) and Income Eligible Retrofits, Product Distribution's Income Eligible Kits and Multi-Family Energy Savings (MFES) program offerings received referrals to the financial assistance programs. In addition to the referrals shown in the tables (*Table 1, Table 2, & Table 3*), customers who received an energy savings kits from a participating school or attended program sponsored food pantry event through the Product Distribution program received additional information to further help them manage their energy bills, including ComEd's financial assistance programs. These program offerings do not track customer level participation information to allow for zip code level reporting. For a breakdown of MFES program recipients by zip code, refer to *Table 5* under stipulation V (D-1b).

Table 1

Income Eligible - Single Family Retrofits Participation Counts - Q3 2024							
Service Zip Code	Customer Counts		Service Zip Code	Customer Counts		Service Zip Code	Customer Counts
60002	1		60201	1		60481	1
60004	2		60403	8		60482	1
60014	1		60404	1		60484	2
60020	1		60406	2		60502	1
60025	1		60409	11		60504	3
60030	1		60410	1		60505	1
60035	1		60411	16		60506	3
60040	1		60417	3		60516	1
60053	3		60418	3		60517	3
60061	1		60419	13		60525	1
60062	1		60425	2		60527	1
60073	1		60426	5		60538	1
60085	1		60428	4		60543	3
60090	1		60429	3		60544	1
60091	2		60430	3		60560	1
60101	2		60431	1		60561	1
60104	6		60433	3		60608	2
60107	1		60435	1		60617	21
60131	1		60438	5		60619	26
60133	1		60439	2		60620	19
60140	1		60440	3		60621	5
60148	1		60441	1		60623	3
60153	4		60443	5		60624	3
60154	1		60446	2		60628	44
60155	4		60447	2		60629	17
60156	1		60448	1		60632	6
60160	1		60450	1		60634	2
60162	6		60451	1		60636	4
60163	1		60452	13		60637	1
60169	2		60453	9		60638	12
60173	1		60456	1		60639	13
60174	2		60459	1		60641	1
60175	1		60461	1		60643	30
60176	2		60463	1		60644	3
60181	3		60466	6		60645	1
60185	1		60467	2		60649	3
60187	1		60468	1		60651	2
60188	1		60469	4		60652	13
60189	1		60471	7		60655	14
60190	2		60472	3		60706	1
60191	1		60473	14		60707	4
60193	2		60474	1		60712	1
60194	1		60478	6			

Stipulations

Table 2

Income Eligible - Home Energy Assessments Participation Counts - Q3 2024											
Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts
60002	1	60093	1	60187	1	60449	1	60543	6	60652	27
60004	3	60097	1	60189	2	60450	4	60544	7	60653	9
60005	2	60098	5	60191	1	60451	1	60545	1	60654	1
60007	3	60099	4	60192	2	60452	15	60546	2	60655	10
60008	3	60102	1	60193	3	60453	19	60554	1	60656	2
60010	3	60103	8	60194	2	60455	1	60558	1	60657	1
60012	1	60104	18	60202	1	60456	1	60559	2	60659	4
60013	3	60106	3	60302	2	60458	1	60563	3	60660	1
60014	4	60107	7	60304	1	60459	7	60586	4	60706	6
60015	1	60108	1	60305	1	60461	5	60607	2	60707	10
60016	9	60110	1	60401	1	60462	4	60608	5	60712	3
60018	3	60115	4	60402	9	60465	1	60609	6	60714	6
60020	5	60118	2	60403	25	60466	20	60611	1	60803	2
60021	2	60119	1	60404	1	60467	2	60612	4	60804	8
60025	2	60120	3	60406	8	60468	1	60613	1	60805	11
60026	1	60123	5	60409	34	60469	3	60615	3	60827	26
60030	2	60124	4	60410	2	60471	10	60616	3	60901	14
60031	8	60130	2	60411	38	60472	3	60617	52	60914	2
60033	1	60131	3	60415	1	60473	30	60618	6	60915	3
60035	3	60133	7	60416	1	60476	1	60619	56	60954	1
60040	1	60137	3	60417	9	60477	4	60620	62	61008	4
60042	2	60139	3	60418	6	60478	15	60621	11	61019	1
60044	1	60140	4	60419	33	60484	6	60622	1	61032	13
60046	2	60142	1	60422	6	60487	1	60623	10	61048	1
60047	2	60148	9	60423	4	60490	3	60624	12	61061	1
60048	2	60151	1	60424	1	60491	1	60625	4	61062	1
60050	5	60152	2	60425	5	60499	1	60626	2	61063	1
60051	1	60153	5	60426	22	60502	2	60628	75	61065	1
60053	4	60154	7	60428	2	60503	1	60629	38	61071	1
60056	6	60155	9	60429	14	60504	3	60630	4	61073	3
60061	2	60156	3	60430	17	60505	4	60631	2	61081	2
60062	1	60160	2	60431	7	60506	7	60632	14	61101	7
60064	4	60162	5	60432	7	60514	1	60633	8	61102	6
60067	3	60163	1	60433	2	60515	1	60634	17	61103	6
60068	2	60164	3	60435	12	60516	3	60636	16	61104	6
60070	3	60169	3	60436	3	60517	2	60637	12	61107	2
60073	3	60171	1	60438	21	60520	1	60638	22	61108	4
60074	2	60172	3	60439	6	60525	4	60639	19	61109	5
60076	4	60173	1	60440	8	60526	3	60641	6	61111	7
60077	3	60174	1	60441	7	60527	3	60643	38	61114	4
60081	1	60175	1	60442	1	60531	1	60644	16	61115	4
60084	2	60176	1	60443	16	60532	2	60645	5	61254	1
60085	6	60178	1	60445	2	60534	1	60646	1	61342	1
60087	5	60180	1	60446	9	60538	4	60647	4	61364	2
60089	5	60181	3	60447	4	60540	1	60649	14	61370	1
60091	3	60185	5	60448	3	60542	2	60651	24		

Table 3

Income Eligible - Product Distribution Participation Counts - Q3 2024	
Service Zip Code	Customer Counts
60099	1
60104	1
60153	2
60155	1
60164	1
60194	1
60304	1
60402	1
60411	1
60419	1
60443	1
60455	1
60462	1
60472	1
60501	1
60609	1
60612	1
60615	1
60619	1
60622	1
60623	2
60624	1
60629	1
60631	1
60639	2
60644	2
60645	2
60651	2
60653	1
60804	1
60805	1
61032	1
61104	1
61109	1

Stipulations

- *Metric 3:*
 - Home Energy Savings – Resource Innovation is the program implementer
 - Income Eligible Assessment: Utility Energy Solutions (UES), a subcontractor to Resource Innovation performs the Home Energy Assessments and provides customers with information on ComEd’s financial assistance programs in the assessment report customer receive at the conclusion of the assessment appointment.
 - Income Eligible Retrofits: Customers receive a brochure from a program EESP after their retrofit describing additional programs, including financial assistance, to further help them manage their energy bills.
 - Product Distribution – Walker Miller is the program implementer
 - Income Eligible (IE) and School Kits: Green Home Experts, a program subcontractor, ships IE kits directly to eligible customer’s homes who request a kit or to participating schools to distribute to students. Included in the kit is a brochure describing additional programs, including financial assistance, to help customers manage their energy bills.
 - Food Bank: Program representatives distribute brochures during program sponsored food pantry events to customers. The brochure describes additional programs, including financial assistance, to help customers manage their energy bills.
- *Metric 6:* All residential brochures distributed by ComEd residential energy efficiency programs and through sponsored events, include financial assistance information. Additionally, and as described in the “*Mapping of Assistance Needs...*” section, energy efficiency, financial assistance and revenue management departments coordinated on a marketing campaign (Targeted Hardship Campaign) targeting income eligible customers experiencing payment issues, like arrearages and financial assistance, to drive awareness of and participation in energy efficiency programs. This campaign leverages email and social media tactics to reach targeted customers. The campaign originally launched in 2022, relaunched in March 2023 and will continue indefinitely. Lastly, and as described in the “*Pilot Connecting Customers with Payment Trouble...*” section, energy efficiency coordinated with financial assistance launched a new program offering, Catch Up &

Save, in January 2023 which brings together the benefits of energy efficiency with an energy savings kits and a payment plan offered through the Supplemental Arrearage Reduction Program (SARP) historically limited to LIHEAP recipients through a single enrollment process. Current updates can be found on the following page under RSA § IV (A-6d).

- *Metric 8:* Energy efficiency has been expanding its marketing campaigns and strategies to better target income eligible customers, particularly those living in communities whose residents are predominately income eligible. Typically, most if not all, communities experiencing high disconnections are also those communities whose residents are predominately low income. So, energy efficiency’s marketing campaigns and tactics that target predominately low-income zip codes are also reaching those top 20 communities with historically higher disconnections and are now better targeted and informed of energy efficiencies programs and services to help them reduce energy usage and energy bills. The Targeted Hardship campaign described above and in the “*Pilot Connecting Customers with Payment Trouble...*” section and the resource fairs and community events detailed in the Marketing Education & Awareness section are good examples of efforts focusing on reaching customers experiencing payment troubles including those living in these top 20 communities with disconnections to inform them of energy efficiency offerings.

RSA § IV (A-6b) *Mapping of Assistance Needs and Targeting Delivery of Weatherization Services:* During the Plan 6 Period, ComEd will collect a variety of data for purposes of mapping areas of financial assistance needs and targeting energy efficiency and weatherization efforts. Data will be reported quarterly in the ICC-filed Quarterly Report and updates on targeting efforts will be provided in the ICC-filed Quarterly Report, and at least annually at joint SAG and Committee meetings, with commitment to seek input from interested stakeholders.

Q3 Updates

- In Q3, the Targeted Hardship Customers email campaign was distributed to approx. 24,500 customers, resulting in 17,976 opens, 37.09% open rate, 1,033 click-throughs, 2.13% CTR, and 8.66% click-to-open rate. For social media, targeted English and Spanish social media messages on Food Pantries & IE Retail yielded a total reach/impressions of 2,023,980, cultivating a total of 6,858 link clicks by customers.

Stipulations

Table 4

Top 20 Disconnect Zip Codes	City	Single-Family Retrofits - IE		Multi-Family IE and Public Housing		Other IE Programs		Total	
		MWh YTD	Participants YTD	MWh YTD	Participants YTD	MWh YTD	Participants YTD	MWh YTD	Participants YTD
60409	Calumet City	11,407	27	34	91	4,418	6,651	15,859	6,769
60419	Dolton	24,025	28	1	8	1,226	3,544	25,252	3,580
60426	Harvey	6,685	14	2	46	3,610	12,848	10,297	12,908
60428	Markham	4,045	10	0	0	227	504	4,271	514
60472	Robbins	5,392	6	0	0	118	292	5,510	298
60484	University Park	1,086	5	0	0	379	1,339	1,465	1,344
60619	Chicago	20,152	51	73	8,043	7,715	25,456	27,940	33,549
60620	Chicago	24,899	74	49	469	19,104	19,622	44,052	20,165
60621	Chicago	1,969	6	14	95	5,495	18,960	7,478	19,061
60623	Chicago	1,005	6	76	100	7,134	23,643	8,215	23,749
60624	Chicago	4,538	9	11	118	4,182	12,934	8,731	13,061
60628	Chicago	33,791	75	24	226	7,935	26,317	41,751	26,618
60636	Chicago	6,491	16	3	34	3,543	11,896	10,038	11,946
60637	Chicago	1,498	4	145	1,308	5,384	17,699	7,028	19,010
60644	Chicago	5,876	18	52	550	2,860	8,733	8,788	9,301
60649	Chicago	3,549	11	113	1,143	3,146	9,860	6,809	11,014
60827	Riverdale	9,648	18	60	1,580	1,359	4,202	11,066	5,800
60944	Hopkins Park	0	0	0	0	0	0	0	0
60958	Pembroke Township	0	0	0	0	0	0	0	0
61057	Nachusa	0	0	0	0	0	0	0	0

*Includes Product Distribution (IE Kits, Food Bank Distribution, IE School Kits), Income Eligible Retail, and Home Energy Assessments

RSA § IV (A-6d) Pilot Connecting Customers with Payment Trouble to Energy Efficiency: ComEd Energy Efficiency will work directly with relevant ComEd business units to create a pilot or program that recruits customers who are payment troubled (e.g., customers at risk of being disconnected; with high arrears) into its IE energy efficiency programs, with commitment to incorporate ideas and input from interested stakeholders on pilot design and modifications, as practicable. ComEd will direct its independent evaluator to perform an impact and a process evaluation of the pilot. ComEd will provide updates to the SAG and Committee in joint meetings on pilot progress and the evaluation results, and include updates in ICC filed Quarterly Reports, as appropriate.

Q3 Updates

- In Q3, 81 income eligible customers, and 278 year-to-date, have been enrolled in SARP and also received an energy savings kit through the Catch Up and Save program. Catch Up & Save, in coordination with

ComEd Energy Efficiency (EE) and Financial Assistance (FA), is designed to provide additional assistance to customers experiencing payment trouble. This offering provides eligible customers the benefits of energy efficiency with an energy savings kits and a payment plan offered through the Supplemental Arrearage Reduction Program (SARP) historically limited to LIHEAP recipients through a single enrollment process. Included in each kit is a product and installation guide to assist customers with installing the items to begin saving energy and reducing energy costs.

RSA § IV (A-7a,7b) ComEd will track bill impacts and reduced energy burden based on deemed savings across all IE customers, for each IE offering. ComEd will also pilot ways to track actual bill impacts and reduced energy burden for a portion of IE Single-Family and Multi-Family customers, which will be for the purpose of facilitating follow up with customers to determine if actual savings were in line with projections. This pilot initiative and its associated data are for research and development purposes, and parties acknowledge that the pilot results are not intended or designed to inform changes to the IL-TRM. However, to the extent the pilot results are relevant and applicable, nothing in this Revised Stipulation would preclude consideration of the results in shaping future evaluation activities. ComEd will provide updates on this pilot in its ICC-filed Quarterly Reports, including, but not limited to, an overall comparison of deemed savings projections with actual bill impacts broken out between Single Family and Multi-Family. ComEd will work with interested stakeholders at the SAG to define energy burden and discuss ideas for piloting the tracking of EE bill impacts and related reduced energy burden. The funds spent on the pilot(s) will be considered IE R&D funds.

Q3 Updates

- In Q3 2024, ComEd continued to provide support of modeling customer electrification bill impacts. The team focused on the impacts of applying the Low Income Discount (LID) rates to future electrification scenarios. These models continue to drive strategic thinking around future approaches for pursuing income eligible electrification projects. The team continues to utilize these modeling results to support both the Go-Electric and Whole Home Electrification websites. Additionally, the team is recruiting participating single-family and multi-family Whole Home Electrification customers to install additional temporary monitoring equipment to verify the bill impacts model.

Stipulations

RSA § IV (A-8e) Income Eligible (“IE”) - Low Income Energy Efficiency Accountability Committee (“LIEEAC” or “Committee”) Facilitator Independence, Budget, and Process e) ComEd acknowledges that Section 8-103B imposes certain quarterly reporting obligations on ComEd relative to the operation of the Committee. ComEd agrees to include in the narrative section of each such quarterly report updates on all of the reporting requirements set forth in Section 8-103B(c) of the PUA and including new approaches or changes to program approaches adopted by ComEd pursuant to the recommendations of the LIEEAC. ComEd also agrees to attach the LIEEAC’s quarterly budget report to ComEd’s quarterly report filed with the Commission.

Q3 Updates

- ComEd has not received input or recommendations from the committee regarding the design, implementation, or evaluation of our income eligible energy efficiency programs. In Q3, ComEd has been coordinating with ICC staff, the current IQ-N LT, and the proposed facilitator on a new SOW.

RSA § V (D-1b) ComEd commits to providing the following IE Multi-Family reporting metrics in its ICC-filed Quarterly Reports:

- Actuals (YTD)
 - 1) Participation – buildings by zip code and apartment units
 - 2) Spending – incentives, non-incentives, total
 - 3) Savings (1st year) – MWh, therms

Q3 Updates

- **Participation – buildings by zip code and apartment units**

In Q3, the Multi-Family Energy Savings program served verified income eligible (IE) and public housing (PH) multi-family properties in 212 unique zip codes throughout ComEd’s service territory. In total, 2,479 IE and PH buildings participated with 63,604 tenant units receiving free products such as smart thermostats, LEDs, low flow showerheads and faucet aerators. Following table (*Table 5*) shows the breakout of the number of buildings and tenant units served, by program component (income eligible, public housing) and by zip code.

 - *# of Building Participants (Income-Eligible & Public Housing):* Assuming each building under an account is participating, in both direct install and rebate projects with a date install in Q3 of 2024.

- *# of Apartment Units:* Units served by the offering in Q3 of 2024.

Stipulations

Table 5

Zip Code	# of Building Participants (Income Eligible)	# of Apartment Units served (Income Eligible)	# of Building Participants (Public Housing)	# of Apartment Units served (Public Housing)
60007	0	0	0	0
60016	51	338	0	0
60025	2	85	0	0
60035	185	203	0	0
60056	34	1122	0	0
60085	13	536	0	0
60088	2	1638	0	0
60096	1	12	0	0
60093	7	213	1	53
60104	4	21	0	0
60115	20	845	28	625
60120	2	12	0	0
60130	3	144	0	0
60137	11	380	0	0
60133	2	12	0	0
60153	3	36	0	0
60155	10	46	0	0
60164	4	1346	0	0
60173	0	0	0	0
60176	0	0	0	0
60178	3	26	2	100
60181	24	688	0	0
60187	0	0	0	0
60188	0	0	0	0
60193	1	6	0	0
60201	11	638	1	201
60202	4	110	0	0
60301	1	35	0	0
60302	28	1206	0	0
60304	11	207	0	0
60402	6	65	0	0
60406	3	24	0	0
60403	3	88	0	0
60411	21	1343	0	0
60413	1	4	0	0
60435	25	377	0	0
60438	26	426	0	0
60443	0	0	0	0
60443	0	0	0	0
60452	7	154	0	0
60464	1	81	0	0
60466	126	776	0	0
60471	3	14	0	0
60504	0	0	0	0

Table 5, continued

Zip Code	# of Building Participants (Income Eligible)	# of Apartment Units served (Income Eligible)	# of Building Participants (Public Housing)	# of Apartment Units served (Public Housing)
60505	12	103	0	0
60506	8	32	0	0
60517	12	106	0	0
60546	2	31	0	0
60548	3	12	0	0
60561	0	0	0	0
60605	1	80	0	0
60608	30	3353	17	235
60609	5	18	1	12
60612	35	773	1	1
60615	83	2537	1	1
60616	19	3754	3	566
60617	19	207	55	437
60618	14	177	0	0
60619	33	1028	0	0
60620	57	836	0	0
60622	1	3	3	274
60625	3	33	0	0
60626	45	1487	0	0
60628	18	233	0	0
60629	38	807	0	0
60630	1	81	0	0
60632	7	52	0	0
60634	2	133	0	0
60636	7	41	0	0
60637	32	851	1	165
60638	5	131	0	0
60639	15	451	0	0
60640	19	751	0	0
60643	4	25	0	0
60644	30	846	0	0
60645	20	866	0	0
60647	16	622	0	0
60649	72	1853	1	51
60651	10	82	0	0
60653	14	867	2	155
60659	6	86	0	0
60660	42	2221	1	133
60707	7	24	0	0
60803	81	1174	0	0
60804	20	233	0	0
60827	6	36	1	1541
60915	1	107	0	0
61008	0	0	0	0

Stipulations

Table 5, continued

Zip Code	# of Building Participants (Income Eligible)	# of Apartment Units served (Income Eligible)	# of Building Participants (Public Housing)	# of Apartment Units served (Public Housing)
61104	8	268	13	136
61107	4	20	0	0
61367	0	0	2	10
60163	0	0	0	0
60165	0	0	0	0
60005	1	100	0	0
60026	80	286	0	0
60030	0	0	0	0
60064	0	0	0	0
60073	0	0	0	0
60074	58	666	0	0
60076	1	60	0	0
60077	3	102	0	0
60083	0	0	0	0
60087	11	421	0	0
60090	3	16	0	0
60101	24	660	0	0
60106	0	0	0	0
60110	2	202	0	0
60118	1	37	0	0
60131	0	0	0	0
60152	0	0	0	0
60160	3	28	0	0
60163	22	1100	0	0
60171	0	0	0	0
60177	3	72	0	0
60185	0	0	0	0
60305	0	0	0	0
60426	3	31	0	0
60403	6	229	0	0
60432	1	160	0	0
60433	2	486	0	0
60440	0	0	0	0
60441	0	0	0	0
60442	0	0	0	0
60450	22	176	0	0
60453	0	0	0	0
60465	2	6	0	0
60468	1	16	0	0
60472	0	0	0	0
60475	0	0	0	0
60481	1	3	0	0
60515	0	0	0	0
60525	0	0	0	0

Table 5, continued

Zip Code	# of Building Participants (Income Eligible)	# of Apartment Units served (Income Eligible)	# of Building Participants (Public Housing)	# of Apartment Units served (Public Housing)
60526	0	0	0	0
60532	0	0	0	0
60534	1	3	0	0
60538	0	0	0	0
60543	3	68	0	0
60544	42	176	0	0
60545	0	0	0	0
60555	0	0	0	0
60556	0	0	0	0
60559	1	150	0	0
60607	0	0	0	0
60610	11	724	0	0
60613	14	1135	4	338
60614	1	22	0	0
60621	15	165	0	0
60623	13	37	0	0
60624	7	118	1	143
60631	1	84	0	0
60633	2	8	0	0
60641	24	431	0	0
60655	1	78	0	0
60656	1	24	0	0
60714	1	4	1	127
60901	8	223	0	0
60950	24	30	0	0
61010	10	40	0	0
61021	2	28	1	2
61012	0	0	0	0
61032	1	3	0	0
61073	0	0	0	0
61081	0	0	0	0
61101	11	55	1	150
61103	3	203	0	0
61108	26	282	0	0
61109	4	21	0	0
61111	4	132	0	0
61114	7	32	0	0
61115	8	100	0	0

Stipulations

- **Spending – Incentives, non-incentives and 1st year savings by MWh and Therms**

In Q3, the Multi-Family Energy Savings program allocated \$15,602,501 in ComEd incentives for efficiency upgrades within income eligible and public housing buildings and achieved 20,678 net MWhs and 304,199 net therms.

- Below (*Table 6*) is a breakout of savings and spend by program component (income eligible, public housing).
 - The incentive and savings data are specific to ComEd and not the full program (the gas incentives and savings have been removed).

Table 6

	Incentive Spend	Non-Incentive Spend	Net MWh Savings Achieved	Net Therms Achieved
Income Eligible	\$14,897,442	\$7,497,102	19,818	304,199
Public Housing	\$705,059	\$279,451	860	0
Total	\$15,602,501	\$7,776,553	20,678	304,199

RSA § V (D-3a) ComEd commits to providing the following in its ICC-filed EE Quarterly Reports:

- 1) Number or proportion of diverse vendors by category (i.e., MBE, WBE and VOSB), as well as by primary contractors and subcontractors, and network service providers)
- 2) Breakdown of diverse vendors by category (i.e., MBE, WBE and VOSB)
- 3) Percent of or amount of portfolio dollars (excluding pass-through incentives) for diverse spend, by category (i.e., MBE, WBE and VOSB)

Q3 Updates

- Year to date, ComEd has utilized 28 diverse prime contractors (Tier 1) and 67 diverse sub-contractors and service providers (Tier 2). The following tables (*Table 7 and Table 8*) show a breakdown of vendor diversity and spend, by category.

Table 7

Tier 1 Diverse Category	Spend	# of Vendors YTD
MBE	\$18,113,355	6
WBE	\$31,287,328	18
MWBE	\$22,267	2
VOSB	\$2,189,306	2
Total	\$51,612,256	28

Table 8

Tier 2 Diverse Category	Spend	# of Vendors YTD
MBE	\$10,976,246	28
WBE	\$18,244,934	33
VOSB	\$4,432,678	6
Total	\$33,653,858	67

- **Data Definitions:**

- **Tier 1 vendors:** Prime diverse vendor
- **Tier 2 vendors:** Prime non-diverse vendor, subcontracting to a diverse vendor
- **Minority-owned Business Enterprise (MBE):** A for-profit enterprise, regardless of size, physically located in the United States, which is 51% owned, operated, and controlled by minority group members, defined by the following:
 - **Asian-Indian-owned business enterprise:** A U.S. citizen whose origins are from India, Pakistan, or Bangladesh
 - **Asian-Pacific-owned business enterprise:** A U.S. citizen whose origins are from Japan, China, Indonesia, Malaysia, Taiwan, Korea, Vietnam, Laos, Cambodia, the Philippines, Thailand, Samoa, Guam, the U.S. Trust Territories of the Pacific, or the Northern Marianas

Stipulations

- **African-American-owned business enterprise:** A U.S. citizen having origins in any of the Black racial groups of Africa
- **Hispanic-owned business enterprise:** A U.S. citizen of Hispanic heritage, from any of the Spanish-speaking areas of the following regions: Mexico, Central America, South America, or the Caribbean Basin
- **Native-American-owned business enterprise:** A person who is an American Indian, Eskimo, Aleut, or Native Hawaiian, and is regarded as such by the community of which the person claims to be a part
- **Woman-owned Business Enterprise (WBE):** An independent business concern that is at least 51% owned and controlled by one or more women who are U.S. citizens or Legal Resident Aliens; whose business formation and principal place of business are in the U.S. or its territories; and whose management and daily operation is controlled by one or more of the women owners
- **Minority- and Woman-owned Business Enterprise (MWBE):** A business falling under both MBE and WBE categories
- **Veteran-owned Small Business (VOSB):** A business that is at least 51% owned, operated, and controlled by one or more veterans

RSA § V (D-4a) ComEd commits to annually providing the following Health & Safety-related metrics for IE Whole Building Retrofit Programs at joint SAG and Committee meetings, in 4th quarter quarterly SAG reports, and in ICC-filed Annual Reports.

- 1) Number of properties assessed for the program (broken out by single-family and multifamily).
- 2) Number of assessed properties that had identified H&S issues.
- 3) Breakdown of type of H&S issues identified and addressed.
- 4) Number of properties deferred because of health and safety issues and general trends in the type of related H&S issues (will also be provided in ICC-filed Quarterly Reports).
- 5) The percentage and/or dollar amount of the Health and Safety Fund that has been spent down (will also be provided in ICC-filed Quarterly Reports)

Q3 Updates

- The following tables (*Table 9 - 11*) show a breakdown of properties assessed with health and safety issues identified, a breakdown of the types of H&S issues identified and addressed and information on health and safety related deferrals and total spend year to date for IE retrofit programs.

Table 9

Number of Properties Assessed with H&S Issues Identified (YTD)		
Program	Number of Properties Assessed	Properties with Health and Safety Issues Identified
Home Energy Savings	1,766	1,598
Multi-Family Energy Savings	1,027	182
Whole Home Electric	206	113

Types of issues identified and addressed include:

- Ceiling mitigation and reinforcement
- Chimney liners
- Mold remediation
- Exhaust fan installation or correction
- Venting
- Electrical upgrades
- Asbestos remediation
- Plumbing repair
- Gas mechanical repairs
- CO and smoke detectors
- Emergency Mechanical Replacement
- Roof repair
- Moisture abatement
- Other

Table 10

Health and Safety Related Deferrals*	
Home Energy Savings	30
Multi-Family Energy Savings	0
Whole Home Electric	09

Stipulations

*Note: Deferrals do not include IHWAP project deferrals.

General trends in the types of H&S issues that lead to deferrals include:

- Excessive mold
- Standing water
- Structural issues

Table 11

Health and Safety Related Spend YTD*	
Home Energy Savings	\$3,244,486
Multi-Family Energy Savings	\$4,186,785
Whole Home Electric	\$879,501

*Note: Spend includes dollars spent on exhaust fans and emergency HVAC replacement, which also contribute to energy savings.

RSA § VIII (B-3) ComEd will report to the ICC in its ICC-filed Quarterly Reports on the progress of the Market Development Initiative (MDI) with the ICC-filed Annual Reports summarizing annual progress.

Q3 Updates

ComEd's Market Development Initiative (MDI) offers the resources and training needed to become part of the growing and rewarding energy efficiency field. For individuals, entrepreneurs, contractors, vendors and service organizations, this initiative helps build a local, diverse workforce to deliver energy efficiency opportunities to our communities. MDI graduated its first Newcomer Cohort, providing those new to energy efficiency (EE) the tools and skills needed to be employable in EE. Eighteen participants successfully earned 3 Building Professional Institute (BPI) certifications needed for energy efficiency improvements and 17 of the 18 graduated from the program, with 1 exiting the program during on-the-job training. The MDI team continues to work with Community-based Organizations (CBOs) who share information on MDI in the communities they serve plus help provide wraparound services needed to eliminate the barriers to participating in training. Many community events were attended by MDI team members in Q3, sharing information about MDI and how it benefits our communities. A business mixer was also held in Q3, introducing small, diverse businesses to MDI and opportunities within energy efficiency.

Quarterly Reporting Metrics

SAG Reporting Working Group Metrics

In June 2024, the SAG Reporting Working Group finalized metrics for the Illinois Energy Efficiency Policy Manual Version 3.0. These include metrics from the “Income Qualified Multi-Family Reporting Principles Policy (“IQ Multi-Family”), Income Qualified Health and Safety Reporting Principles Policy (“IQ H&S”), Equity and Affordability Reporting Principles Policy (“EQ&A”), and the Diverse Contracting Reporting Principles Policy (“Div”). ComEd reports out on these metrics as follows:

IQ Multi-Family § 6.8 (ii) In the Program Descriptions section of the quarterly report, briefly describe whether the IQ MF program is jointly delivered, or coordinated. If joint or coordinated, include additional explanation on how the utilities work together including addressing the following questions:

- Is there a single vendor? Franklin Energy is the Prime Implementation Contractor for Multi-Family Energy Savings. They subcontract with other entities for certain services to deliver the offering.
- Is it a joint program? Yes, Multi-Family Energy Savings is jointly delivered by ComEd, Nicor Gas, Peoples Gas and North Shore Gas.
- Is there a single point of contact? Yes - Multi-Family building owners are assigned a single Multi-Family Energy Savings project lead that they work with throughout the lifecycle of their journey through the Multi-Family Energy Savings offering.
- Is there a single application form? There is a single program intake form. There are different rebate applications based on the energy efficiency measure type.

Q3 Updates

- See *Program Descriptions* section in the Appendix under program *Multi-Family Energy Savings (Multi-Family Upgrades)*.

IQ H&S § 6.9 [...] requires each Program Administrator report on the effectiveness of its efforts to address health and safety improvements necessary to enable Energy Efficiency retrofits – particularly building envelop upgrades, HVAC equipment upgrades and other major Measures – in income qualified single family and multi-family buildings. The reporting will be on a statewide set of metrics designed to provide insight into the following issues for both single family and multi-family buildings

- **Metric 1.** Report Program Administrator health and safety spending broken down between single family (SF), multi-family (MF), and mobile

homes (if the Program Administrator has a mobile homes offering, or if the Program Administrator is able to track whether a mobile home participated);

- **Metric 2.** Report a qualitative narrative describing health and safety trends, successes and challenges, including differences by building type, where notable.

Q3 Updates

- **Metric 1:** The following table (Table 12) shows health and safety related spend year to date broken out by Income Eligible Single- and Multi-Family program offerings:

Table 12

Health and Safety Related Spend YTD	
IE SF Home Energy Savings	\$3,244,486
IE Multi-Family Energy Savings	\$4,186,785
IE Single-Family Whole Home Electric	\$879,501
IE Multi-Family Whole Home Electric	\$0

- **Metric 2:** The most common health and safety issue identified in income eligible single-family homes served through Home Energy Savings (HES) is a lack of functioning CO/smoke detectors, followed by issues with exhaust and venting that need correction. To date, over 3,000 CO/smoke detectors have been installed in HES participant homes and over 1,000 participants have had exhaust fans installed or dryer vents corrected through the offering. Whole Home Electric (WHE) is finding that almost every income eligible single-family participant needs their panel upgraded in order to safely convert fossil fuel end uses to all electric. Many of the multi-family projects in the WHE pipeline will also need panel upgrades, though projects completed YTD have not required upgraded panels (likely due to those being partial electrification projects). The Multi-Family Energy Savings offering is noting that ceiling mitigation and reinforcement is a somewhat frequent health and safety requirement in order to safely support the weight of added insulation. To date, the offering has allocated over \$500,000 for this health and safety measure to allow weatherization projects to safely proceed. Serious structural deficiencies, vermiculite/asbestos and water-driven issues have posed challenges and have been the driver of deferrals to date based on the high cost associated with mitigation.

Total Resource Cost

CY2024 New Measures

All measures in the table below were launched in CY2024.

Sector	Program	Measure	IL TRC	Justification for TRC < 1.00
Business	Small Business	Reach-in Cooler Gasket	0.58	These 4 measures were new for 2024, focused on non-lighting, for refrigeration, as part of our overall push to complete more non-lighting projects as examples of under-served measures to improve customer experience. This also benefits the requests from stakeholders to move away from lighting measures. We also have big refrigeration push going on now, which should run through the end of the year. The measure incentive was set at \$75.00 per unit for all 4 of these since they're almost identical measures.
Business	Small Business	Reach-in Freezer Gasket	0.46	Same as above (See Reach-in Cooler Gasket)
Business	Small Business	Walk-in Cooler Gasket	0.51	Same as above (See Reach-in Cooler Gasket)
Business	Small Business	Walk-in Freezer Gasket	0.58	Same as above (See Reach-in Cooler Gasket)
DTC	HES - Retrofits - Gas Only	AC Covers - Gas Only	0.44	IE customer segment. The \$/kWh or \$/therm for this measure is better than the HES IE Retrofits offering average
DTC	HES - Retrofits - Electric Only	EC Motors	0.4	Same as above (See AC Covers – Gas Only)
DTC	HES - Retrofits - Electric Only	Low E Storm Windows	13.9	
DTC	HES - Retrofits - Joint	Low E Storm Windows - Joint	5.97	
Technical	CFS	Electric Deck Oven	4.6	
Technical	CFS	Gas and Electric Pressure Fryers	3.27	
Technical	CFS	Efficient Cooktops	1.37	
DTC	Joint MF	Health and Safety - Ceiling mitigation and reinforcement	N/A	
DTC	Joint MF	Health and Safety - Exhaust fans	N/A	
DTC	Joint MF	Spring Loaded Garage Door Hinge	2.66	
DTC	Joint MF	Direct Install Furnace Filter- 16x20x1	5.13	

Total Resource Cost

DTC	Joint MF	Direct Install Furnace Filter- 20x20x1	5	
DTC	Joint MF	Direct Install Furnace Filter- 16x25x1	5	
DTC	Joint MF	Direct Install Furnace Filter- 20x25x1	4.88	
DTC	Joint MF	Direct Install Furnace Filter- 24x24x1	5.13	
DTC	Joint MF	WH Tankless Array	0.76	This measure was added to provide an option for larger tankless water heater systems. The existing tankless water heater measure requires it to be ENERGY STAR listed, which has a maximum size of 200,000 BTU. This measure is designed to cover systems larger than that.
DTC	Joint MF	DHW Tune Up	0.5	Tune-up measures are often a low risk / easy measure for customers to complete that haven't participated in efficiency programs before. This measure is included to try and drive more water heater projects in the future, and to provide an additional tune-up measure to go with the existing furnace and boiler tune up measures.
DTC	Joint MF	Exterior Photocell Repair (400W HID)	5.19	
DTC	Joint MF	Exterior Photocell Repair (250W HID)	3.37	
DTC	Joint MF	Exterior Photocell Repair (200W HID)	2.85	
DTC	Joint MF	Exterior Photocell Repair (175W HID)	2.45	
DTC	Joint MF	Exterior Photocell Repair (150W HID)	2.17	
DTC	Joint MF	Exterior Photocell Repair (100W HID)	1.3	
DTC	Joint MF	Exterior Photocell Repair (70W HID)	1.08	
DTC	Joint MF	Exterior Photocell Repair (50W HID)	0.82	This measure was provided for customer experience so that a complete range of exterior lighting wattages was available. This size of HID lighting is uncommon and likely won't be used very often.

Appendix: Program Descriptions

Program Descriptions

Home Energy Savings (Single-Family Upgrades)

Home Energy Assessments (Market Rate & Income Eligible), Retrofits (Income Eligible)

Overview: Under the Home Energy Savings program, ComEd provides three offerings for single family residential customers: Home Energy Assessments (HEA) - Market Rate, HEA – Income Eligible, and Income Eligible Retrofits. These offerings are closely linked through a centralized intake process and coordinated customer journey. Single family includes single family detached, vintage homes (30+years), manufactured homes, condo units, townhomes, two-flats, and duplex. The program offers free assessments and installation of energy savings products such as LEDs, water-saving devices, water heater pipe wrap, advanced power strips and thermostats with income eligible customers receiving all products installed for free. Certain income-eligible customers also receive comprehensive weatherization services. The program is delivered jointly with the Northern Illinois Gas Utilities (Nicor Gas, People Gas and North Shore Gas).

Multi-Family Energy Savings (Multi-Family Upgrades)

Market Rate, Income Eligible, Public Housing

Overview: The Multi-Family Energy Savings (MFES) program is a single comprehensive program offering that provides a full range of multi-family energy efficiency services. The MFES program consists of three offerings for 2024: Income Eligible, Public Housing, and Market Rate. This program offers efficiency upgrades for multi-family properties, including gas and electric measures for tenant units and common areas. This program offering is delivered jointly with the Northern Illinois Gas Utilities (Nicor Gas, Peoples Gas, and North Shore Gas) and implemented by Franklin Energy and their approved subcontractors. Income Eligible, Public Housing, and Market Rate Property owners/managers are assigned a single point of contact who works with them throughout the entirety of their journey through the offering. Interested building owners can sign up through a single intake form and their project lead and Energy Efficiency Service Provider installing the upgrades will assist with completing any rebate applications (there are different applications based on the energy efficiency measure type). Customers who complete weatherization and other energy efficiency improvements enjoy reduced operating costs, increased comfort in tenant spaces, increased occupancy rates, and improved property value. Additionally, building tenants experience increased comfort and reduced energy costs. Note: Building owners that are interested in electrification are directed to ComEd's Whole Home Electrification offering for eligibility consideration.

Whole Home Electrification

Overview: The Whole Home Electrification program refers to ComEd's initiative to convert income-eligible single family and multi-family homes and buildings to all-electric using highly efficient technologies. The offering includes comprehensive appliance and HVAC upgrades, building weatherization, and health and safety modifications required to safely and efficiently reduce reliance on fossil fuel energy sources, like gas and propane, for homeowners and residents in multi-unit homes. Prior to proceeding with a project, the offering models energy bill impacts to ensure the upgrades will result in overall savings to the customer.

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.

Retail

Market Rate, Income Eligible

Overview: ComEd offers residential delivery customers rebates on select ENERGY STAR® certified appliance, home products and lighting products. Deeper discounts are available to income eligible customers on select products via instant discount at retail locations within zip codes where at least 60% or more of the households are at or below 80% Area Median Income (AMI) or through customized discount channels to pre-qualified income eligible customers, like Limited Time Offers (LTOs). Retail Program also includes incentives offered via the ComEd Marketplace.

Product Distribution

Food Bank (Income Eligible), IE Kits (Income Eligible), School Kits (Market Rate and Income Eligible)

Overview: Product Distribution includes kits (Market Rate and Income Eligible school kits and Income Eligible kits distributed through Community Action Agencies and other partners) and distribution of products through Food Banks, food pantries and other partners. By providing free energy efficiency products and education distributed through trusted channels, ComEd can reach more customers, particularly those most in need and introduce them to the wide-ranging benefits of energy efficiency including reduced energy usage, reduced energy costs, improved their quality of life and reduced environmental impacts.

Residential New Construction

Appendix: Program Descriptions

Affordable Housing New Construction, Electric Home New Construction

Overview: Residential New Construction consists of two offerings: Affordable Housing New Construction (AHNC) and Electric Homes New Construction (EHNC). The AHNC Program offering provides technical support and incentives for whole-building energy efficiency for new construction and major renovation projects to reduce the energy burden for income eligible households by lowering their potential monthly energy costs. The program supports developers building or providing major renovation to affordable housing buildings, including both single and multi-family projects. The program offering's incentives are based on the square footage of the areas serving income eligible tenants, while upgrade requirements apply to the full building. The Affordable Housing New Construction offering is delivered in partnership with Nicor Gas.

The EHNC Program promotes high performance all-electric homes that allow ComEd customers to stack the benefits of all-electric energy efficiency, demand-response, electric vehicles, solar, and new rate structures. Program works with local builders and Home Energy Rating System (HERS) raters to ensure that new homes exceed the requirements of the state's energy code for increased energy savings.

Heating and Cooling

Overview: ComEd offers Heating & Cooling incentives to ComEd residential delivery customers that replace existing heating and cooling equipment with qualifying, high-efficiency central air conditioners, air source heat pumps, ductless mini-split heat pumps, geothermal (ground source) heat pumps, or smart thermostats. Measures including central air conditioning (CAC), air source heat pump, and ductless mini-split heat pumps, are offered through a distributor (midstream channel). Measures including smart thermostats, duct sealing, CAC tune ups, air source heat pump tune ups, and geothermal heat pumps, are offered by Energy Efficiency Service Providers (contractors) to residential customers and are downstream measures (incentives paid to customers through the participating EESP). Also offered downstream are incentives for new and replacement geothermal heat pumps that involve full loop systems.

Small Business

Private, Public

Overview: Offers private and public sector small business customers cost-effective turn-key energy efficiency retrofit and replacement services. These customers are typically underrepresented in energy efficiency programs due to limited staff and resources, lack of capital, and leased instead of owned facilities. To qualify for the program, private businesses and public facilities must have an electrical peak demand under 400 kW, Customer categories include, but are not limited to: warehouses, office, retail, restaurant, public libraries, police & fire stations and public K-12 schools.

Standard Incentives

Private, Public, ComEd Streetlights

Overview: The Standard Program provides monetary incentives to customers on a "Standard" fixed or per-unit basis. Standard offers incentives for common energy-efficiency improvements including: Indoor and outdoor lighting equipment (including networked lighting and LED streetlights), HVAC equipment (e.g., variable speed drives, chillers, roof-top units), commercial appliances including industrial and laboratory equipment, compressed air equipment, and Energy Management Systems (EMS).

Custom Incentives

Private, Public

Overview: The Custom Program identifies and implements site-specific and unique cost-effective energy efficiency opportunities that are not available via the Standard program. Customized incentives based on per kWh basis and calculated for specific customer projects are offered. Measures include process efficiency improvements, IT equipment upgrades, process cooling, compressed air, VFDs on large motors, free cooling systems, refrigeration improvements, wastewater treatment plants, combined heat and power, and other measures not covered in the Standard offering.

Retro-Commissioning (RCx)

Private, Public

Overview: The RCx program provides customers with a fully funded engineering study to help business and public-sector customers optimize operations of existing building systems to reduce energy usage while continuing to maintain desired environmental conditions. Common energy conservation measures focus on control of HVAC and lighting using building automation systems. Typical participants include commercial office buildings, hospitals/health care facilities, and higher education buildings. RCx options include RCx Flex and a Monitoring-Based Commissioning (MBCx). Each conduct an engineering study identifying ECMs. Additionally, RCx includes a Virtual Commissioning (VCx) option which offers free identification of energy-saving measures and remote technical assistance for implementation. VCx focuses on smaller customers in which smart meter interval usage data is used to remotely identify operational savings opportunities.

Industrial Systems

Overview: The Industrial Systems program assists industrial customers to optimize and/or identify energy efficiency measures to improve the performance of the following systems or processes: Compressed air, process cooling, industrial refrigeration, water and wastewater treatment plant, process efficiency for heating and cooling in production.

Appendix: Program Descriptions

Midstream/Upstream

Private, Public

Overview: ComEd provides point-of-sale discounts on commercial LED lighting and HVAC equipment, as well as industrial forklift battery chargers. Purchasers can verify customer and product eligibility through participating distributors using a full-service webtool, which reimburses distributors for incentives instantly provided to eligible purchasers.

Strategic Energy Management (SEM)

Private, Public

Overview: SEM helps organizations embed energy efficiency into their operations and company culture. Efforts ultimately allow for organizations to establish energy policies, improve operating efficiencies, and build budgets for energy efficiency efforts. SEM provides tools, coaching, and technical resources to support customers' 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 provides incentives for behavioral energy savings as well as operational measures.

C&I New Construction

Private, Public

Overview: The New Construction Program offering provides technical assistance, support for the Leadership in Energy and Environmental Design (LEED) rating system, and incentives for whole-building energy efficiency for new construction and major renovation projects 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. The program serves private commercial and industrial buildings (CINC) as well as public sector buildings (PSNC) through a combined offering. The New Construction Program offering is delivered in partnership with all the northern Illinois gas utilities.

Illinois Commercial Food Services

Private, Public

Overview: The Illinois Commercial Food Services offering provides instant discounts to the purchaser when buying qualified commercial food service equipment utilizing channels

including manufacturers, manufacturer representatives, distributors, and dealers of food service equipment. This is a joint utility program available through the state of Illinois and includes Ameren Illinois, Nicor Gas, People's Gas and Northshore Gas. Customers benefit by receiving incentives for both qualifying electric and qualifying natural gas measures.

Assessments

Private, Public

Overview: Assessments identify energy saving measures (capital cost and operational) and provide information on available financial incentives for energy efficient equipment upgrades and retrofits. Assessments save energy annually and lower operating expenses through implementation of recommended measures. The free Facility Assessment is a tool that helps customers take the first step toward making their facility more efficient by identifying opportunities to participate in the various programs within the EE portfolio. The assessments involve an initial site visit (in-person or virtual) where an engineer collects data regarding a facility. After the site visit, the engineer compiles all the opportunities with their estimated savings, costs, incentives, and simple paybacks into a report that is presented to the customer. Customers >10 MW (except for private commercial accounts that have opted out) are now eligible to have a free assessment and for the portfolio to claim operational savings measures.

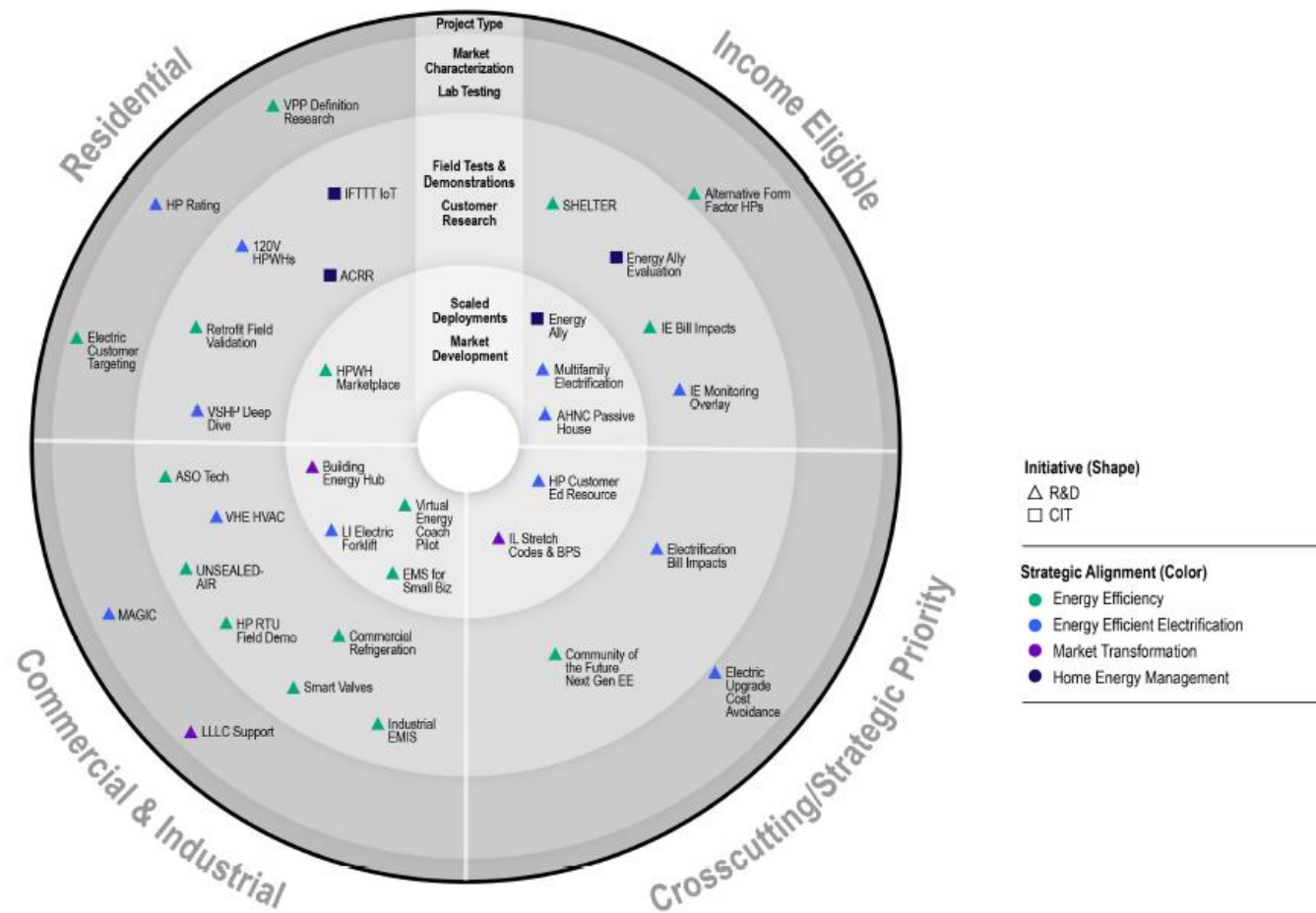
Voltage Optimization

Overview: The Voltage Optimization Program deploys circuit voltage detectors and control equipment that will effectively assess and adapt the amount of voltage traveling across a power line at any given time. Once in place, these devices will allow ComEd to more precisely monitor, manage, and deliver the voltage customers need. No additional effort by consumers will be required as the control equipment will automatically adjust to consistently deliver only the voltage each customer requires while providing energy savings.

Customer Innovation

Appendix: Customer Innovation/R&D Summary

ComEd Customer Innovation Portfolio Summary 2024 Q3



This visualization provides an overview of the Customer Innovation Team’s selected research concepts and projects for 2024, organized by stage of research and relevant customer segments. Further information about each project may be found in the following table. Project descriptions are available on the ComEd Customer Innovation website at [Innovate.ComEd.com](https://innovate.comed.com).

Appendix: Customer Innovation/R&D Summary

Customer Innovation Portfolio Summary 2024 Q3

Project	Work Description	Partners	Project Type	Customer Segment	End Date	Status Update
Scaled Deployments & Market Development						
Affordable Housing New Construction (AHNC) Passive House Portfolio Integration Pilot	Integration of a PHUS+ incentive tier into the Affordable Housing New Construction offering.	Slipstream	Market Development	Income Eligible	2026 Q4	Six multifamily projects are on course to achieve PHUS certification when complete. A total of 279 units will be built, including 253 that will be for income-eligible customers. Three projects are scheduled to complete in 2024, two in 2025, and one in 2026.
Affordable Multifamily Electrification	Investigating energy savings, installation barriers and costs, and customer experience of whole-home electrification.	Slipstream	Scaled Deployment	Income Eligible	2025 Q2	In September, the project team installed the final components of monitoring equipment designed to capture the performance of the HPWH system through the winter. The project team will provide an update to the final report that summarizes the performance of the HPWH and impact on whole building energy consumption to be delivered in Q2 2025.
Building Energy Resource Hub	A hub providing training and resources to customers and stakeholders across the region to support meeting aggressive climate action goals, improve building performance, and building an inclusive green economy.	Illinois Green Alliance	Market Development	Commercial and Industrial	2025 Q2	The Hub expanded its program offerings during Q3 2024 through different communication channels, including hosting a series of 7 webinars called "Save Money, Save Energy" with partners including ComEd, Illinois Finance Authority, DCEO, SomerCor, and others. The Hub added more resources to its website for building owners, like how-to guides, toolkits, and case studies focused on energy-saving practices, retrofit strategies, and sustainable building operations. They also ramped up municipal engagement in Evanston and Oak Park to support efforts for updated code implementation, such as benchmarking and other compliance assistance.
Energy Ally	Provides customers with an in-home display that communicates real-time, actionable energy use information, including energy prices, budget trends, and weather.	The Will Group, Calico, Fire Direct Marketing, Prism	Scaled Deployment	Income Eligible	2024 Q4	The Energy Ally Project Pilot team began sunset activities to end the pilot by the end of 2024. The evaluation began to calculate the customer energy savings. Communications were sent to the contractors that support this pilot and the team initiated change management activities with IT and the Customer Service department.
Energy Management Systems (EMS) for Small and Medium Business	Testing a two-tiered energy management system (EMS) offering for small business customers.	Resource Innovations	Scaled Deployment	Commercial and Industrial	2024 Q4	The project team completed interviews with customer and service providers. The project team gathered crucial feedback from service providers and customers on installation experiences, operational challenges, and overall satisfaction with energy management systems.
Heat Pump Customer Education Resource Development	Preparation of a web-based resource for customers and contractors to learn about the energy and bill impacts of switching to heat pumps.	Energy Solutions	Market Development	Crosscutting/Strategic Priority	2025 Q2	The project team continued to work through revisions to existing heat pump customer content and the addition of new content for contractors and other electrification end uses. The team prepared for the launch of the first round of revisions to the heat pump content on October 2, 2024, including the release of marketing materials to promote the launch of the new site.
HPWH Curriculum, Local Expert Development & Field Demo	Developing a HPWH marketplace to help residential customers with electric water heating replace their water heater with a HPWH. In addition, building up the network of contractors who are trained at installing HPWHs.	Techinart, Resource Innovations	Scaled Deployment	Residential	2025 Q4	The project team began developing content for the HPWH marketplace. The team also identified the initial distribution network (manufacturer, distributor, and contractor) and is working to ensure they meet the pilot's eligibility requirements.
Illinois Building Energy Code Advancement	Development of a market transformation approach to drive energy savings through advancement of energy codes and building performance standards.	Slipstream	Market Development	Crosscutting/Strategic Priority	2025 Q4	The project team further refined the scope and implementation of support strategies for the Illinois (IL) Stretch Code. The team examined the overlap and intersection between the IL Stretch Code MT strategies and ComEd's New Construction (NCx) program offerings. Slipstream began working with ComEd, MEEA, and ILLUME to map the future of the NCx program, as well as the potential for a broader MT umbrella program.
Lithium-Ion Electric Forklift Case Studies	Creating real-world case studies for use in future promotional efforts.	DNV	Market Development	Commercial and Industrial	2025 Q2	Pilot team continues to monitor equipment performance at two pilot sites. The case study materials for the second site are being finalized.
Virtual Energy Coach Pilot	Testing the feasibility of using a virtual customer engagement model to conduct Strategic Energy Management at smaller commercial and public sector customer locations.	Power TakeOff	Scaled Deployment	Commercial and Industrial	2025 Q4	The Virtual Energy Coach Pilot kicked off. The project team completed the development of marketing materials and began recruiting and signing up customers. So far we have 2 confirmed interviews and 95 prospects. The goal is to engage sufficient customers to meet the pilot savings target by EOY, so evaluation of all projects can take place in the 2025 evaluation cycle.

Appendix: Customer Innovation/R&D Summary

Customer Research, Field Tests, & Demonstrations						
120V HPWH Field Demonstration	Testing the 120V HPWH in ComEd customer homes to understand installation experience, resident experience/satisfaction, and the equipment's performance through data monitoring.	Slipstream	Field Tests & Demonstrations	Residential	2024 Q4	The project team removed the monitoring equipment from participating customer homes and have concluded the data collection period. The team also prepared the final survey of participating customers to hear about their experience to date with the 120V HPWHs.
Automated Carbon Reduction Reporting (ACRR)	The ACRR project built on the "If This Then That" (IFTTT) Internet of Things (IoT) program, which utilizes optimization applets to enable load shifting in response to real-time price signals and/or carbon signals.	WattTime, Calico	Field Tests & Demonstrations	Residential	2024 Q2	The ACRR/IFTTT WattTime report was completed, with the executive summary now available on the innovation website https://innovate.comed.com/wp-content/uploads/2024/09/ComEd-Customer-Innovation-IFTTT-Carbon-Evaluation-Executive-Summary.pdf
Commercial Automated System Optimization (ASO) Technology	Use of AI-based tools to optimize energy usage in commercial buildings through automated real-time management of energy-using systems.	Hank, Resource Innovations	Field Tests & Demonstrations	Commercial and Industrial	2025 Q1	The project is on track and progressing as expected, with regular calls between service providers and building operators to educate them on proper system usage and how to optimize software usage. Preliminary results indicate the integration of AI-based tools is enhancing the energy management capabilities in the commercial building with the installation.
Commercial Refrigeration Controls	Testing novel advanced controls for large refrigeration systems in real world conditions.	Slipstream	Field Tests & Demonstrations	Commercial and Industrial	2024 Q4	Slipstream QC'd and analyzed data across four installations, and the team has shared the data with the third-party evaluator to verify. Installations in the final two sites will be completed in 2025.
Communities of the Future Next Generation HVAC Demonstration	Testing energy savings and customer experience in real-world conditions, focused on customers situated within ComEd's Communities of the Future areas.	Slipstream	Field Tests & Demonstrations	Crosscutting/Strategic Priority	2024 Q4	The second site in this project was awarded a grant to renovate and expand their facility. ComEd will support this site with technical assistance and incentives for new, next-generation efficiency measures. ComEd also partnered with a third site, and the project team is exploring weatherization and heat pump technology for the building.
Energy Ally Savings Evaluation and Program Transition Plan	Evaluation of savings and final report for the Energy Ally pilot.	Apex Analytics	Field Tests & Demonstrations	Income Eligible	2024 Q4	The project team received initial data and put together a broader data request, which was fulfilled. They began working on the savings estimates and cost-effectiveness analysis and are on track to report in Q4.
Energy Efficiency Electrification Savings and Bill Impacts Estimation	Analysis of and calculator maintenance for customer bill impacts related to electrification measures.	Center for Energy and Environment	Customer Research	Crosscutting/Strategic Priority	2024 Q4	The project team finished updating the bill impacts calculator, estimated bill impacts for several case studies, documented work to date in the final deliverable, coordinated with the relevant program and implementation teams on aligning bill screening tools, and started sharing findings to date with other groups at ComEd.
Heat Pump Rooftop Unit Field Demonstration	Testing the system performance and customer experience of heat pump rooftop units in commercial sites in the ComEd service territory.	Center for Energy and Environment	Field Tests & Demonstrations	Commercial and Industrial	2025 Q3	The project team continued to face challenges with site recruitment. Discussions with one potential site are ongoing. Since the project priorities are to understand and establish baseline prior to HP retrofit. If sites cannot be recruited by heating season Q4 2024, project may be extended to 2025 for site recruitment next year, along with a report outlining barriers encountered in 2024.
IE SF and MF Monitoring Overlay	In-field submetering and usage analysis for Whole Home Electric (WHE) participants to better understand the installed equipment field performance and customer experience.	Center for Energy and Environment	Field Tests & Demonstrations	Income Eligible	2025 Q4	The project team aligned on planning tasks and began recruitment. Planning tasks included aligning on the overall analysis plan, submetering plan, site selection criteria, and field performance analysis plan. The team will continue aligning on further planning and recruitment over the next quarter, including the billing analysis plan and advanced field data analysis plan.
"If This Then That" (IFTTT) Internet of Things Evaluation	Providing customers with options for automating their participation in programs, such as Hourly Pricing and Peak Time Savings, to reduce energy and demand usage, as well as help customers react to carbon signals. The applets connect to select smart devices to enable automated control of these devices.	Slipstream	Field Tests & Demonstrations	Residential	2024 Q3	The project team completed their work to analyze the IFTTT pilot participant responses from the survey fielded by ComEd in 2023, and to develop a final report documenting the comprehensive set of results from the IFTTT pilot. Continued collaborative conversations are ongoing to discuss project transition and best practices to ensure a successful transition.
Income Eligible Weatherization Bill Impacts - Phase 2	Creating tools to support weatherization participant outcomes.	Internal	Customer Research	Income Eligible	2024 Q4	The R&D team worked with ComEd internal data team to determine future direction.
Industrial Energy Management Information Systems (EMIS)	Testing new program design approaches for implementing energy management information systems that help industrial customers optimize their energy use.	Leidos	Field Tests & Demonstrations	Commercial and Industrial	2024 Q3	The project is completed and pilot customers were transferred to the new Industrial Systems EMIS offering. R&D continues to assist with project evaluation.
Non-Invasive Scanning for Envelope Assessments with LIDAR Enhanced Diagnostics and Air Infiltration Results (UNSEALED-AIR)	Developing and testing a machine learning model to diagnose air leakage accurately across various construction conditions, materials, means and methods with a non-invasive diagnostic tool that combines thermal imaging and LIDAR (light detection and ranging).	GTI Energy, Hearth Labs, Department of Energy	Field Tests & Demonstrations	Commercial and Industrial	Q4 2025	The R&D team continued waiting for DOE's review and approval of this research.

Appendix: Customer Innovation/R&D Summary

Pressure Independent Control Valves (PICV) Retrofit Study	Testing energy savings and identifying a methodology and framework to accurately estimate savings for a novel commercial HVAC technology.	Slipstream	Field Tests & Demonstrations	Commercial and Industrial	2025 Q1	The project team continued data analysis and is on track to complete the M&V in Q4 of 2024. Although the chilled water pumps used more energy than expected, the system still used less energy overall.
Retrofit Field Validation and Demonstration	Project funded by the DOE Building America program. Teams will work with communities to conduct collaborative research and demonstration projects in real-world homes, with the aim of accelerating local deployment of highly energy efficient, durable, healthy home upgrades. Geographic focus will be upper Midwest/cold climate housing. ComEd signed on as partner to this project.	Center for Energy and Environment, Slipstream, Elevate, Mitsubishi Electric, Daikin, LG, Department of Energy	Field Tests & Demonstrations	Residential	2025 Q4	ComEd's role as a partner on this project has not yet started.
SHELTER: Solutions for Housing Equity and Long Term Energy Resilience	This is an opportunity to provide additional support for a DOE-funded project being led by GTI. It will be testing an ASHP that provides heating, cooling, and hot water. The goal of the project is to demonstrate that the technology, along with weatherization/envelope improvements, can be a successful electrification strategy that does not require electrical panel upgrades beyond 100A in low-rise, IE 2-unit buildings.	Frontier Energy, GTI Energy	Field Tests & Demonstrations	Income Eligible	2025 Q4	The R&D team received the proposal and began reviewing it.
Very High Efficiency (VHE) HVAC	Testing the VHE HVAC systems approach for HVAC retrofit/replacement installations to improve ventilation and indoor air quality while reducing building energy use.	Institute for Market Transformation	Field Tests & Demonstrations	Commercial and Industrial	2025 Q4	Measurement systems were installed at nearly all sites. The post-installation monitoring period is delayed to December since Cook County Forest Preserve has another renovation project.
VSHP Deep Dive	Continued use of in-field submetering data on dual fuel heat pumps to (1) better understand how certain factors influenced performance, such as airflow, and (2) create a case study about this technology application to increase market awareness.	Center for Energy and Environment	Field Tests & Demonstrations	Residential	2024 Q4	The project team kicked off this work and is on track to complete work in 2024. The project team created a draft of the case study and has started the deeper analysis.
Market Characterization & Lab Testing						
Alternative Form Factor Heat Pump Technologies	Research to understand alternative form factors for heat pumps that could be applicable in multifamily and modular/mobile homes.	Slipstream	Market Characterization	Income Eligible	2025 Q1	This project was contracted in Q3 and will be kicked off in Q4.
Electric Space & Water Heating Market Characterization/Targeting	This research is aimed at identifying residential customers with a high value proposition for switching to heat pumps. This will be accomplished through understanding which geographic areas, building types, and residential customer types are most likely to use electricity for space heating and/or water heating. The work also probes at which of these customers have heat pumps versus electric resistance systems.	Slipstream	Market Characterization	Residential	2024 Q4	The project team completed their initial analysis and community identification. The project team began recruiting for market actor interviews and refining analysis.
Electric Upgrade Cost Avoidance	Research on alternatives to panel upgrades and understanding where there are opportunities to avoid electric panel upgrades.	ILLUME	Market Characterization	Crosscutting/Strategic Priority	2024 Q4	The project kicked off in Q3 and the team conducted 7 internal interviews and 10 external interviews. The internal interviews included DTC and other program teams, along with representatives of the Smart Grid. External interviews included implementation vendors. The team also conducted secondary research on electric upgrade cost avoidance strategies.
Heat Pump Rating Representativeness	Research partnership to improve standardized performance testing for heat pumps.	Northeast Energy Efficiency Partnerships	Lab Testing	Residential	2024 Q4	The project team shared their anonymized analysis data set and has continued refining the report.
LLIC Support	This research assesses Luminaire-Level Lighting Controls (LLIC) as a potential Market Transformation (MT) program opportunity for ComEd. The study includes a literature review and interviews with entities experienced in LLIC MT. The goal is to provide key insights that will inform ComEd's decision on whether to launch an LLIC MT program.	ILLUME	MT Concept Development	Commercial and Industrial	2024 Q4	The project team kicked off the project, completed the literature review, and presented the secondary research findings and next steps to ComEd.
Made in America Grid Integrated Commercial (MAGIC) HPWH Systems	Research to analyze the market potential for central heat pump water heaters in multifamily buildings.	New Buildings Institute, Ecotope, Department of Energy	Field Tests & Demonstrations	Commercial and Industrial	2025 Q4	The project kicked off in late Q3. The project team is working to complete the installation of the central heat pump water heater in a 48-unit multifamily affordable housing building to begin M&V in Q4.
VPP Definition Research	Research to understand how utilities and other programs define VPPs, how those programs are structured, including incentive structures, and how they are implemented alongside other DSM programs (e.g. DR programs).	Evergreen Economics	Market Characterization	Residential	2024 Q4	The team kicked off this project and began a literature review and secondary research on VPP programs across the country.

Appendix: Corrections

Corrections to ComEd's CY2024 Second Quarter Report

- On page 8, the geothermal full loop and geothermal indoor replacement YTD program participation was erroneously reported as 19 geothermal full loops and 11 geothermal indoor replacements. The correct YTD participation counts should have been 18 geothermal full loops and 9 geothermal indoor replacements. The totals in this report now correctly reflect YTD program participation through Q3.
- On page 29, the Whole Home Electric deferral rate displayed in Table 10 was erroneously reported as 435. The correct number is 4. The totals in this report now correctly reflect YTD Whole Home Electric deferrals through Q3.
- On the fourth tab of the Statewide Report, due to incorrect conversion formulas for emission equivalents, the acres of trees planted and cars off the road for a year were erroneously reported as 36,393,067 acres of trees planted and 6,487,460 cars off the road. The correct totals should have been 35,526,565 acres of trees planted and 6,646,395 cars off the road. The totals in this report now correctly reflect emissions impact since inception through Q3.