

CY2024 FOURTH 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 \$11.0 billion on energy bills and avoided over 70 billion pounds of carbon through its energy efficiency programs.**

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Portfolio Summary

1,941,922

Actual Net MWh YTD

1,923,969

2024 MWh Forecast

\$435,219,509

Actual Spend YTD

\$437,772,939

2024 Budget

PORTFOLIO

- Through Q4, the portfolio has achieved approximately 101% of its 2024 savings forecast.
- Since its inception in 2008, the ComEd Energy Efficiency Program has saved ComEd customers over \$11.0 billion on their electric bills.

RESIDENTIAL IMPLEMENTATION

- Through Q4, market rate residential programs have achieved 108% of their combined 2024 savings forecast of 273,471 MWh, not including converted therms or electrification.
- Through Q4, income eligible residential programs have achieved 102% of their combined 2024 savings forecast of 508,028 MWh, including the Whole Home Electric program., excluding converted therms or electrification.
- Customers have received over 5,100,000 incentives through Q4.
- Over 27,000 homeowners & tenants – consisting of over 22,000 income eligible participants - have received products from assessments through Q4.

C&I IMPLEMENTATION

- Through Q4, private sector programs have achieved 103% of their combined 2024 savings forecast of 600,657 MWh, not including therms or electrification.
- Through Q4, public sector programs have achieved 95% of their combined 2024 savings forecast of 107,563 MWh, not including therms or electrification.
- Through Q4, over 7,800 private sector projects and over 1,300 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)** – Over 11,500 customers were served with a Home Energy Savings in-home, virtual, or self-assessment in 2024. The Income Eligible Home Energy Assessment (IE HEA) component saw continued strong performance in 2024 with 8,611 completed projects through Q4. IE HEA served over 950 more IE households with an assessment than initially planned. Retrofits had the strongest quarter of the year in Q4, distributing more than \$8.2 million in ComEd incentives to serve customers with weatherization and other comprehensive energy-saving measures. A \$1.3 million increase in non-braided Retrofits production offset a dip in braided IHWAP production, allowing the Retrofits component as a whole to fully utilize its incentive budget. In 2024 HES grew its enrollment partner network to include a total of 32 partner organizations that help to raise awareness in the community about the opportunity for single family residential customers to save energy and money by enrolling in HES.
- **Multi-Family Energy Savings (MFES) - (Income Eligible, Public Housing, and Market Rate)** – In 2024 the Multi-Family Energy Savings (MFES) offering distributed over \$26.1 million in incentives. Of this, approximately \$24.1 million went to projects completed in income-eligible properties and buildings owned and managed by Public Housing Authorities (PHAs). Approximately \$6.1 million of the incentives allocated to income eligible properties enabled inefficient electric resistance heating systems to be converted to efficient heat pump technologies. In total, 973 heat pumps were installed resulting in approximately 11.4 GWhs of energy savings. MFES concluded 2024 with a network of 97 Energy Efficiency Service Providers (EESPs), 30 of which are certified Diverse Business Enterprises (DBEs). Around \$16.4 million (63%) of all incentives issued were to DBE EESPs.
- **Whole Home Electric (WHE) (Single and Multi-Family Upgrades Electrification - IE)** – The WHE offering reached its highest quarterly production levels in Q4, serving 132 multi-family units and 51 single family homes. In total, the offering electrified 355 homes in 2024, delivered 6.2 GWh of electrification savings and distributed over \$7.5 million in incentives to EESPs serving income-eligible customers. 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	714	89%	3,028	Homes
Home Energy Savings – Income Eligible Assessment	10,250	105%	8,611	Homes
Home Energy Savings – Income Eligible Retrofits	4,379	99%	2,875	Homes
Multi-Family Energy Savings – Income Eligible	29,778	109%	Tenant Unit Direct Installation: 11,192 Site Assessments: 385 Building Upgrades: 2,799	Projects
Multi-Family Energy Savings – Public Housing	1,348	143%	Tenant Unit Direct Installation: 191 Site Assessments: 0 Building Upgrades: 271	Projects
Multi-Family Energy Savings – Market Rate	5,280	107%	Tenant Unit Direct Installation: 1,200 Site Assessments: 43 Building Upgrades: 141	Projects
Whole-Home Electric	6,261	110%	Single Family Homes: 116 Multi-Family Buildings: 5 Tenant Unit Conversions: 239	Projects

Residential Implementation Programs

Residential Channels Program Highlights

- **Retail (Market Rate and Income Eligible)** – In Q4 the Retail offering saw an outperformance of heat pump dryers, weatherization products, and water dispensers. Weatherstripping, spray foam insulation, and caulking exceeded their annual forecast unit goals across both the Market Rate and Income Eligible channels. Water dispensers in the Market Rate channel resulted in 852 units sold, exceeding the forecast of 164 units. For heat pump dryers, sales were only a handful of forecasted units, with actual sales coming in at 295 units. The retail offering also launched a Limited Time Offer (LTO) in Q4 for a free ENERGY STAR® certified Google Nest smart thermostat. This LTO targeted income-eligible customers with the highest propensity to purchase. The goal of 20,000 units was achieved.
- **Product Distribution (Market Rate and Income Eligible)**
 - **Food Bank Distribution** – More than 3,300,000 products were distributed during 2024, including over 3,200,000 ENERGY STAR certified lighting products plus 40,000 water-saving products, 15,000 advanced power strips, and over 29,000 weatherization measures. This activity occurred through 767 participating food pantries associated with 4 major food bank partners (Greater Chicago Food Depository; Northern Illinois Food Bank; River Bend Food Bank; and Illinois Partners In Hope) plus an extended independent partner network. Outreach staff interacted directly with income eligible customers about ways to save energy at 50 in-person events during the year which provided an opportunity to distribute energy saving products and informational material to an average of more than 200 customers per event. An additional 23 events were supported as grab-and-go due to pantry space constraints.
 - **Income Eligible Kits** – More than 9,500 kits were shipped to eligible customers in Q4 which represents approximately 21% of the total of 45,680 that were shipped throughout 2024. These energy saving kits were distributed to income eligible customers throughout the communities served by ComEd, with 67% jointly funded through our partnership with the local natural gas utilities. Community Action Agencies (CAAs) were 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 the majority of this activity.
 - **School Kits** – There were 15,405 jointly funded income eligible (IE) school kits and 17,051 jointly funded market rate (MR) school kits distributed to students throughout 2024, with approximately 11% of each kit type delivered during Q4. A total of 483 different schools around the northern Illinois area had students that benefited from this offering. The educational material was once again well-received by the teachers who participated in this offering, with a composite impact and satisfaction score of 9.3/10 for the year.

Residential Implementation Programs

- **Residential New Construction - Affordable Housing New Construction (AHNC)** – In Q4 AHNC enrolled 13 new projects and completed 9 affordable housing projects with 402 income eligible units. This brings the total for 2024 to 21 completed projects with 1,202 income eligible units and 44 new project enrollments. During Q4, there were several conferences, events, and project celebrations that provided an opportunity to highlight AHNC offering and recruit new partners and grow the project pipeline. The program supported peer exchanges where customers shared the benefits of the ComEd AHNC offering, including the Diverse Developer Conference, the Preservation Compact's summit on Naturally Occurring Affordable Housing, an affordable housing finance webinar with Illinois Green Alliance, and a briefing to emerging and developers through the NextGen program, all of which resulted in new customers and additional enrollments. The program also attended partner and industry events with Illinois Housing Council and Interfaith Housing Development Corp. educational events.
- **Residential New Construction - Electric Homes New Construction (EHNC)** – The EHNC offering completed 18 all-electric homes in Q4, bringing the 2024 project total to 44 with 79 all-electric units. The 18 projects completed in Q4 consisted of nine single family homes, two 2-flat projects, four accessory dwelling units, one small multifamily, and two 4-flat projects, totaling 37 all-electric units. The Q4 projects were completed by 13 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.
- **Home Heating and Cooling (HH&C)** – In Q4 the program continued to have a strong performance and the program processed 1,487 incentives which included 1,196 air source heat pumps, 275 mini-split heat pumps, and 16 geothermal heat pumps. At the end of Q4 a total of 571 contractor companies completed the heat pump training requirements. During Q4 the program team held HH&C Distributor 2025 Kick-off Webinar and HH&C Heat Pump-Trained Contractor 2025 Kick off Webinar on December 11. There were 65 total distributors registered for the Distributor 2025 Kick-off Webinar, 47 of which attended the webinar. There were 132 total heat pump-trained contractors registered for the Heat Pump-Trained Contractor 2025 Kick off Webinar, 75 of which attended the webinar.

Residential Implementation Programs

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Retail – Market Rate	139,762	109%	Home Products: 2,043,624	Appliances, Air Sealing
Retail – Income Eligible	202,221	101%	Home Products: 868,834 Lighting: 2,278,777	Appliances; Light Bulbs
Product Distribution – Market Rate	3,728	100%	17,051	School Kits
Product Distribution – Income Eligible	259,869	100%	3,446,190	Kits and Food Bank Measures
Residential New Construction – Affordable Housing	3,153	94%	21	Projects
Residential New Construction – All Electric	1,315	104%	79	Homes
Heating and Cooling – Midstream Heat Pump Rebates	24,493	103%	Air Source T1: 3,553 Air Source T2: 2,251 Mini-Split: 1,539 Geothermal Full Loop: 30 Geothermal Indoor replacement: 16	Units

Residential Implementation Programs

Residential Journey Coordination Program Highlights

- Home Energy Report** – The Home Energy Reports program is expecting to achieve 103,240 MWh of customer savings for 2024, which is 110% against the 2024 target. Home Energy Reports are now available in Spanish. Utilizing language preference data, approximately 78,000 customers indicated their desire to receive communications in Spanish. The Spanish HERs will be available for each report variety, including: eHER, EV HER, seasonal and annual. Home Energy Reports also added Informed Delivery Ride-Along Images. Informed Delivery is a feature where people receive emails from the post office on what is coming in their mail, and Ride-Along allows digital campaigns tied to those emails. Within the first two weeks of utilizing Informed Delivery Ride-Along, there were 164,000 emails sent featuring MyAccount Ride-Along. There was a 58% open rate, and a 0.7% click-through rate.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Report	103,240	100%	Home Energy Reports (print): 8,946,571 Home Energy Reports (email): 9,957,900 High Usage Alerts: 3,572,899 Weekly Usage Reports: 7,836,823	Reports and Alerts

C&I Implementation Programs

Business Program Highlights

- Small Business (Private and Public)** – The ComEd Small Business program finished the year strong due to a successful 50% For All campaign in Q4, generating approximately 97.2 GWh in savings and approximately \$23 million incentives for customers. The Small Business offering rolled out the 2025 program year updates at the Annual EESP Training and Launch on December 4. Small Business launched three new promotions started in Q1 2025, including: Kickstart, Select Communities and Made In Illinois to increase new project pipeline to start the year strong.

Standard (Private and Public) – The ComEd Standard Program finished the year strong. October and November were the highest consecutive months for both spend and savings since the start of Plan 6. The 2 months combined for \$17.8 million in incentives paid and 58.5 Net GWh saved. The team was able to increase customer participation in Select Communities by over 10%, going from 48.5 GWh processed in 2023 to 54.2 GWh processed in 2024 through targeted outreach and through a targeted additional incentive promotion. As a result of months of dedication to improvements and efficiency, the Standard Program was able to further improve the average turnaround time of pre-applications by 1.9 days and the average turnaround time of final applications by 6 days in Q4 compared to the rest of the year. Service providers have provided positive feedback on these improvements during check-ins and roundtable conversations.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Small Business – Private	188,656	100%	5,111	Projects
Small Business – Public	23,325	92%	439	Projects
Incentives – Standard – Private	174,406	106%	1,686	Projects
Incentives – Standard – Public	26,715	95%	535	Projects

C&I Implementation Programs

Technical Program Highlights

- **Incentives - Custom** – Custom had articles in each ComEd newsletter to promote the offering throughout this quarter. In the October BizWire newsletter, the Custom Final Application Incentive was promoted, an article in November about how the Custom offering helps boost sustainability, and an article in December about kicking off the new year with new equipment was included. Custom also ran a paid search campaign from November 7 to December 27 to promote the offering. The team also held their first EESP Roundtable meeting on October 21. Additionally, a Custom video was created and is currently being promoted on LinkedIn and YouTube to drive exposure to the offering. There was very good exposure with this tactic which has approximately 305,669 views.
- **Retro-Commissioning (RCx)** – The RCx offering accepted 44 new RCx Flex and MBCx applications totaling 16.0 GWh gross in Q4. This was the most applications accepted, by more than 30%, in any quarter over the last six years. The increase in applications was a result of a targeted calling campaign for past participants and a Service Provider application promotion.
- **Industrial Systems (IS)** – The Industrial Systems offering had a strong Q4 with 19.98 net GWh of completed projects due to a large influx of comprehensive projects and Fix It Now projects in December. In addition, the Early Bird incentive drove an additional 4 Net GWh of comprehensive projects to build a strong pipeline into Q1 2025. There were four engineer-led outreach site visits that generated 2 studies and 2 leads for studies for 2025. An EESP stated in a participating customer meeting that while they work with utility programs throughout the country the ComEd Industrial Systems program was the best they have worked with.
- **Strategic Energy Management (SEM)** – Continuous recruiting for the SEM offering has increased engagement with four customers joining SEM cohorts in Q4. Three SEM workshops took place in Q4 for customer engagement, information sharing, and technical education. Twelve customers continue active participation in the DOE 50001 Ready program to increase focus on energy efficiency and sustainability within their companies. Consistent energy data allowed energy reports to be completed and energy savings finalized. The SEM Program was awarded ACEEE's Leader of the Pack award for outstanding results in energy efficiency with a focus on equity and overall benefits to customers – a great national recognition for the offering.
- **C&I New Construction (CINC)** – CINC attended several events to promote the new construction program including Chicago Build on October 23, Bisnow Industrial Summit on November 19, and REJournals Chicago Industrial Properties – 21st Annual Chicago Supply Chain, Distribution, and Logistics Summit on October 29. To promote and capture more projects in fast-moving segments, CINC deployed an email to promote the High Performance Design Incentive on November 22. The CINC video has approximately 150,006 views. The team had a LinkedIn ad and YouTube promotion that ran from October to the end of November to draw awareness to the offering.

C&I Implementation Programs

- **Midstream/Upstream (Instant Discounts)** – Instant Discounts had a very successful year and exceeded its savings goal by 12 GWh. Instant Discounts held its 2025 kick-off webinars which were attended by over 100 members of its distributor network. The webinars introduced two new measures, VRF Heat Pumps and TLED Type C, and increased lighting incentives for 2025. The distributor network responded favorably to the offering changes and the offering team received a number of requests for the updated marketing materials so that the network can get a fast start entering 2025.
- **Commercial Food Services (CFS)** – In Q4 the CFS team launched a series of trainings to transition the network to an updated submission portal. The trainings included a complete walk through of the portal highlighting submitting claims. The new portal is expected to aid in processing claims faster while providing more real-time data regarding the specifications of purchased equipment. The offering had a successful 2024 and achieved about 110% of its savings goal for the year.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Incentives – Custom – Private	11,558	98%	120	Projects
Incentives – Custom – Public	1,984	135%	12	Projects
Retro-commissioning – Private	27,024	102%	160	Projects
Retro-commissioning – Public	13,701	79%	139	Projects
Industrial Systems	50,976	98%	615	Projects
Strategic Energy Management – Private	35,102	93%	174	Participating Customers
Strategic Energy Management – Public	10,696	142%	197	Participating Customers
C&I New Construction – Private	4,506	96%	32	Projects
C&I New Construction – Public	938	84%	10	Projects
Midstream/Upstream – Private	125,942	111%	593,691	Lighting products; battery chargers; HVAC, Fork Trucks
Midstream/Upstream – Public	24,273	91%	310,429	Lighting products; battery chargers; HVAC, Fork Trucks
Commercial Food Services - Private	1,214	93%	573	Units
Commercial Food Services - Public	106	158%	38	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 74.5 million pounds of carbon dioxide reduction or removing 7,526 passenger vehicles driven each year.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Voltage Optimization	100,877	85%	29 stations; 343 feeders	Stations Activated; Feeders Activated

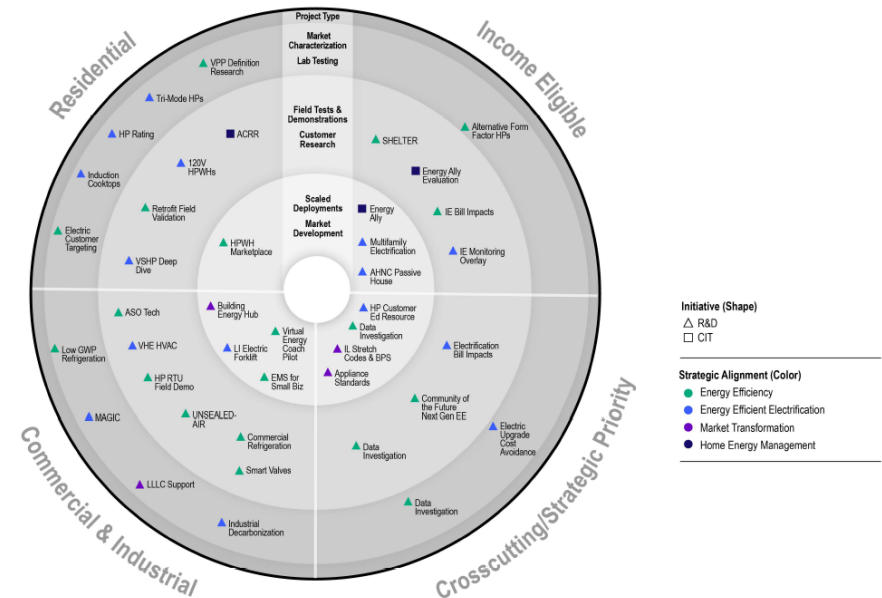
Emerging Technologies and Market Transformation (“R&D”)

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 Q4



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](https://www.comed.com) to learn more.

- In-market: 1/10/24 - 12/31/24
- 2024 Q4 paid media consisted of:
 - Meta (Facebook Display, EN, CHI + ROK)
 - LinkedIn (Display, EN, CHI)
 - GroundTruth Digital Display EN, CHI + ROK)
 - StackAdapt Digital Display (EN, CHI + ROK)
 - Negocios Now Print (ES, CHI)
 - Negocios Now Digital (ES, CHI)
 - Crains Print (EN, CHI)
 - Daily Herald Print (EN, CHI)
 - Chicago Sun Times Print (EN, CHI)
 - Outdoor (Digital Expressways, Transit Shelters, EN, CHI)
 - Radio :60s, :30s, :15s, :05s, Sponsorships and live reads (EN, CHI) (WBBM-AM, WSCR-AM Cubs, WMVP-AM White Sox/Bears, WLIT-FM)
 - TV, Non-Spot TV (WFLD TV Bears, , EN, CHI)
- The campaign generated 45,074,747 total digital impressions as of December 31, 2024
 - Meta (Facebook Display, EN, CHI + ROK): 25,308,685
 - LinkedIn (Display, EN, CHI): 4,057,074
 - GroundTruth Digital Display (EN, CHI + ROK): 10,577,292
 - StackAdapt Digital Display: 5,131,696

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](https://www.comed.com) to learn more.

- In-market: 3/11/24 - 12/31/24
- 2024 Q4 paid media consisted of:
 - Meta (Facebook Video, EN, CHI + ROK)
 - LinkedIn (Display, EN, CHI)
 - StackAdapt Digital Display (EN, CHI + ROK)
 - Radio :30s (EN, CHI)
 - Print (ESP, CHI)
 - Broadcast TV (EN, CHI)
- The campaign generated 6,451,754 total digital impressions as of December 31, 2024
 - Meta (Facebook Video): 1,429,666
 - LinkedIn: 2,342,055
 - StackAdapt Digital Display: 2,680,033

Marketing Education & Awareness

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

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 - 12/31/24
- 2024 Q4 paid media consisted of:
 - Meta (Facebook Video, EN + ES, CHI + ROK)
 - StackAdapt Digital Display (EN, ES, CHI + ROK)
 - StackAdapt Large Screen CTV (EN, ES, CHI)
 - Providers App (EN, CHI)
 - Zeta Digital Display (EN, ES, CHI + ROK)
 - Zeta Digital Video (EN, CHI + ROK)
 - 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)
 - Cinema :30s (EN, CHI)
 - Broadcast TV :30s (EN, ROK)
 - Print (EN, ES, POL, KOR, MAN, CHI + ROK)
- The campaign generated 53,361,904 total digital impressions as of December 31, 2024
 - Meta (Static and Video): 6,299,892
 - Meta (Influencer): 889,554
 - StackAdapt Digital Display: 8,731,811
 - Zeta Digital Display: 6,719,848
 - Zeta Digital Video: 1,798,234
 - Providers App: 1,302,712
 - NBCU – Peacock+ (Large Screen CTV): 2,949,389
 - StackAdapt Large Screen CTV: 2,552,272
 - Audacy Large Screen CTV: 22,118,192

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 - 12/29/24
- 2024 Q4 paid media consisted of:
 - StackAdapt Display (EN, CHI + ROK)
 - StackAdapt Digital Video (EN, CHI + ROK)
 - Radio :30s (EN, ES, CHI + ROK)
 - Comcast :30s (EN, CHI)
 - Broadcast TV (EN, CHI)
- The campaign generated 4,737,424 total digital impressions as of December 31, 2024

Marketing Education & Awareness

- StackAdapt Display: 4,129,200
- StackAdapt Digital Video: 608,224

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 - 12/31/24
- 2024 Q4 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)
 - Look Media Pole Banners (EN, ES, CHI)
 - ODN Interior Rail Cards and Transit Shelters (EN, CHI)
- The campaign generated 12,022,969 digital impressions as of December 31, 2024
 - Vericast Dynamic Mobile & Carousel Banner Ads: 11,082,854
 - Undertone Mobile Grabber Ad: 940,115

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.)

Q4 Updates

- **Metric 1:** During Q4 of 2024, ~108k 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 85,692 LIHEAP customers and 17,596 PIPP customers in Q4
 - Supplemental Arrearage Reduction Program (SARP) customers receive Energy Efficiency information from ComEd packaged as Ways to Save
 - There were 5,661 SARP customers in Q4

ComEd’s customer-facing digital tool, the Smart Assistance Manager (SAM), serves as a way for customers seeking assistance to receive tailored recommendations for ways to assist with managing their electric bills. During Q4, customers who leveraged the ‘assistance finder’ functionality within SAM received referrals to/information about the following programs:

Programs	Sessions*
Bill Payment Assistance	162
Budget Billing	95
Catch Up & Save	253
DPA	2,140
Due Date Extensions	1,190
Free Energy Savings Products	42
Fresh Start	158
LIHEAP	394
Payment Arrangements	1,793
Retail Discounts	135
SARP	1,912
YNF	71

*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 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	185	60620	204	60637	166
Budget Billing	5	Budget Billing	9	Budget Billing	4
Due Date Extensions	32	Due Date Extensions	41	Due Date Extensions	29
Free Energy Savings Product	2	Free Energy Savings Product	1	Free Energy Savings Product	3
Payment Arrangements	71	Payment Arrangements	73	Payment Arrangements	65
Retail Discounts	3	Retail Discounts	5	Retail Discounts	10
SARP	72	SARP	75	SARP	55
60419	85	60621	146	60644	314
Budget Billing	3	Budget Billing	6	Budget Billing	13
Due Date Extensions	13	Due Date Extensions	33	Due Date Extensions	75
Free Energy Savings Product	2	Payment Arrangements	54	Free Energy Savings Product	3
Payment Arrangements	33	Retail Discounts	8	Payment Arrangements	112
Retail Discounts	8	SARP	45	Retail Discounts	11
SARP	26	60623	401	SARP	100
60426	133	Budget Billing	10	60649	73
Budget Billing	2	Due Date Extensions	73	Due Date Extensions	18
Due Date Extensions	33	Free Energy Savings Product	10	Payment Arrangements	28
Free Energy Savings Product	2	Payment Arrangements	146	Retail Discounts	2
Payment Arrangements	47	Retail Discounts	21	SARP	25
Retail Discounts	2	SARP	141	60827	100
SARP	47	60624	243	Budget Billing	1
60428	8	Budget Billing	4	Due Date Extensions	26
Due Date Extensions	4	Due Date Extensions	64	Free Energy Savings Product	2
Payment Arrangements	3	Free Energy Savings Product	3	Payment Arrangements	37
SARP	1	Payment Arrangements	86	Retail Discounts	3
60472	20	Retail Discounts	6	SARP	31
Due Date Extensions	2	SARP	80	60958	2
Free Energy Savings Product	1	60628	158	Payment Arrangements	1
Payment Arrangements	10	Budget Billing	4	SARP	1
SARP	7	Due Date Extensions	34		
60484	11	Free Energy Savings Product	1		
Due Date Extensions	1	Payment Arrangements	62		
Free Energy Savings Product	1	Retail Discounts	5		
Payment Arrangements	4	SARP	52		
Retail Discounts	1	60636	136		
SARP	4	Budget Billing	4		
60619	304	Due Date Extensions	23		
Budget Billing	8	Free Energy Savings Product	3		
Due Date Extensions	61	Payment Arrangements	52		
Free Energy Savings Product	4	Retail Discounts	9		
Payment Arrangements	122	SARP	45		
Retail Discounts	11				
SARP	98				

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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 - Q4 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
60005	1	60157	1	60440	4	60542	2	60805	3
60007	4	60160	4	60441	6	60543	2	60827	14
60013	1	60162	3	60442	3	60544	4	60901	7
60014	2	60163	2	60443	17	60545	1	60914	1
60016	4	60164	5	60446	3	60546	1	60915	2
60018	1	60171	1	60447	2	60553	2	60950	1
60020	1	60172	2	60448	3	60560	1	60958	1
60025	3	60173	1	60450	3	60586	2	61021	3
60034	1	60174	2	60451	4	60608	1	61032	8
60035	2	60175	1	60452	10	60609	7	61046	1
60044	1	60176	2	60453	16	60612	1	61073	1
60050	3	60181	4	60455	1	60617	39	61101	5
60053	3	60185	1	60456	2	60618	6	61102	4
60056	2	60187	1	60457	2	60619	54	61103	6
60067	3	60188	2	60458	1	60620	49	61104	5
60073	1	60190	1	60459	6	60621	4	61107	3
60076	4	60193	1	60461	6	60623	12	61108	4
60077	2	60201	1	60462	5	60624	6	61109	3
60085	2	60302	1	60463	2	60625	4	61111	3
60087	1	60304	1	60466	7	60628	42	61114	2
60091	1	60402	2	60467	3	60629	37	61115	1
60093	2	60403	9	60469	6	60630	2	61270	1
60097	1	60404	1	60471	4	60631	2		
60098	1	60406	3	60472	3	60632	11		
60099	2	60409	20	60473	21	60633	4		
60101	2	60410	2	60475	2	60634	6		
60103	2	60411	25	60476	2	60636	11		
60104	16	60415	1	60477	3	60637	12		
60106	4	60416	1	60478	18	60638	25		
60107	6	60417	9	60482	2	60639	3		
60110	1	60418	5	60484	5	60641	8		
60115	3	60419	29	60487	1	60643	27		
60118	1	60422	4	60490	3	60644	19		
60120	2	60423	3	60491	1	60645	2		
60123	2	60425	5	60503	2	60646	1		
60131	2	60426	11	60504	3	60647	2		
60133	3	60428	11	60505	2	60649	3		
60134	2	60429	8	60506	3	60651	13		
60137	2	60430	11	60511	1	60652	29		
60139	3	60431	4	60515	1	60653	3		
60143	1	60432	3	60516	1	60655	17		
60148	5	60433	2	60517	1	60706	4		
60152	1	60435	10	60525	1	60707	3		
60153	5	60436	2	60526	2	60712	3		
60154	4	60438	10	60532	1	60714	4		
60155	5	60439	1	60538	1	60804	5		

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Table 2

Income Eligible - Product Distribution Participation Counts - Q4 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	Service Zip Code	Customer Counts
60002	30	60090	31	60304	13	60461	4	60561	2	60651	142	61068	1
60004	11	60091	2	60402	50	60462	14	60564	1	60652	48	61071	1
60005	1	60096	3	60403	10	60463	2	60565	1	60653	119	61072	2
60007	4	60099	98	60404	9	60464	3	60585	3	60654	1	61073	5
60008	7	60103	2	60406	17	60465	6	60586	15	60655	8	61078	2
60010	10	60104	61	60407	1	60466	61	60605	3	60656	11	61080	2
60014	1	60107	13	60408	2	60467	5	60607	20	60657	3	61081	34
60015	6	60108	1	60409	54	60469	12	60608	59	60659	42	61084	1
60016	14	60115	2	60410	2	60471	33	60609	96	60660	14	61085	6
60018	8	60120	3	60411	129	60472	11	60610	12	60706	19	61087	10
60020	11	60126	2	60412	1	60473	38	60611	1	60707	34	61088	6
60022	4	60130	10	60415	4	60475	7	60612	86	60712	14	61089	2
60025	8	60131	13	60417	2	60476	5	60613	6	60714	19	61101	148
60026	1	60133	21	60418	6	60477	18	60614	3	60803	16	61102	13
60030	31	60137	5	60419	67	60478	44	60615	72	60804	93	61103	112
60031	65	60139	7	60421	4	60480	2	60616	61	60805	13	61104	68
60035	13	60143	1	60422	8	60481	2	60617	216	60827	70	61107	37
60040	5	60148	3	60423	3	60482	4	60618	36	60901	1	61108	39
60041	10	60153	105	60425	15	60484	11	60619	224	60922	1	61109	26
60042	5	60154	23	60426	58	60487	15	60620	233	61001	2	61111	16
60044	7	60155	26	60428	45	60490	5	60621	113	61008	193	61114	16
60045	4	60160	34	60429	46	60491	3	60622	29	61010	1	61115	16
60046	27	60162	19	60430	16	60501	6	60623	227	61011	1	61252	2
60047	14	60163	7	60431	11	60502	1	60624	137	61012	2	61270	3
60048	7	60164	16	60432	32	60503	5	60625	35	61016	4	61277	1
60050	1	60165	5	60433	30	60504	4	60626	27	61019	6	61310	4
60051	2	60169	23	60435	58	60505	1	60628	204	61020	5	61318	1
60053	14	60171	4	60436	47	60513	11	60629	154	61021	25	61334	1
60056	16	60172	3	60438	47	60515	2	60630	30	61024	10	61342	8
60060	27	60173	6	60439	4	60516	2	60631	5	61030	1	61350	2
60061	27	60176	4	60440	22	60517	4	60632	85	61031	4	61360	2
60062	9	60181	2	60441	18	60518	2	60633	14	61032	105	61364	25
60064	63	60185	6	60442	3	60521	2	60634	62	61037	1	61369	1
60067	7	60188	6	60443	36	60525	6	60636	116	61038	4	61376	1
60068	2	60189	2	60445	15	60526	3	60637	139	61043	1	61377	1
60070	7	60190	1	60446	18	60527	2	60638	45	61046	1	61764	2
60073	82	60191	3	60448	2	60531	1	60639	107	61047	3	70853	1
60074	7	60192	2	60450	1	60532	1	60640	22	61048	7		
60076	57	60193	15	60451	5	60534	10	60641	49	61050	1		
60077	53	60194	15	60452	18	60540	1	60642	9	61052	2		
60081	2	60195	2	60453	28	60544	14	60643	97	61054	5		
60083	8	60201	27	60455	7	60546	11	60644	160	61059	2		
60084	21	60202	28	60456	5	60548	1	60645	51	61061	4		
60085	162	60203	1	60457	7	60555	2	60646	9	61063	4		
60087	62	60282	1	60458	16	60558	2	60647	57	61064	6		
60089	24	60302	15	60459	21	60559	1	60649	147	61065	17		

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Table 3

Income Eligible - Home Energy Assessments Participation Counts - Q4 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	60102	5	60188	4	60451	4	60548	3	60659	5
60004	2	60103	3	60189	2	60452	8	60559	3	60706	1
60005	2	60104	13	60190	1	60453	18	60560	4	60707	3
60007	1	60106	3	60191	2	60455	1	60585	1	60712	2
60008	3	60107	6	60193	2	60456	1	60586	6	60714	1
60010	2	60108	2	60194	8	60457	6	60608	1	60803	4
60012	1	60109	1	60201	2	60459	6	60609	11	60804	12
60013	4	60110	4	60202	1	60461	8	60611	2	60805	20
60014	4	60115	5	60304	3	60462	5	60612	9	60827	20
60015	1	60118	2	60305	1	60465	2	60613	1	60901	5
60016	4	60120	5	60402	4	60466	17	60614	2	60914	1
60018	7	60123	2	60403	9	60467	4	60615	4	60915	1
60020	4	60124	2	60404	1	60468	2	60616	2	60919	1
60021	1	60126	3	60406	12	60469	2	60617	44	60950	4
60025	2	60131	3	60407	1	60471	12	60618	5	60954	1
60030	2	60133	2	60409	38	60472	5	60619	55	60958	1
60031	3	60134	2	60411	62	60473	39	60620	83	61008	1
60033	1	60135	1	60415	2	60475	3	60621	19	61011	1
60035	5	60136	1	60416	2	60476	2	60622	1	61020	1
60040	1	60137	1	60417	14	60477	12	60623	11	61021	4
60045	1	60139	5	60418	4	60478	26	60624	12	61032	3
60046	1	60140	5	60419	49	60481	1	60625	3	61046	1
60047	1	60142	3	60422	4	60482	3	60626	3	61048	1
60048	1	60143	2	60423	10	60484	8	60628	79	61049	1
60050	4	60145	2	60425	11	60490	1	60629	46	61064	1
60051	2	60146	1	60426	26	60491	1	60630	7	61071	1
60053	1	60148	7	60428	27	60501	3	60631	3	61073	2
60056	7	60153	18	60429	28	60502	2	60632	9	61081	2
60060	6	60154	3	60430	14	60503	1	60633	6	61101	6
60061	2	60155	3	60431	4	60504	15	60634	13	61102	5
60062	3	60156	2	60432	3	60505	6	60636	26	61103	3
60064	3	60157	1	60433	5	60506	9	60637	14	61104	4
60067	3	60160	3	60435	7	60510	1	60638	19	61107	7
60068	1	60162	5	60436	4	60513	1	60639	18	61108	5
60073	9	60163	2	60438	18	60514	1	60640	3	61109	5
60074	3	60164	6	60439	1	60516	2	60641	9	61111	4
60076	5	60165	2	60440	5	60517	2	60643	63	61114	2
60077	7	60169	2	60441	8	60523	1	60644	24	61115	1
60083	1	60172	5	60442	1	60525	1	60645	4	61270	2
60084	2	60173	1	60443	24	60526	3	60646	3	61358	1
60085	8	60175	1	60444	1	60527	3	60647	3	61364	3
60087	5	60176	6	60445	5	60532	2	60649	16	61369	1
60089	2	60177	1	60446	5	60538	3	60651	19	61752	1
60090	7	60178	4	60447	2	60542	2	60652	27	61764	1
60097	2	60181	6	60448	1	60543	6	60653	6		
60098	3	60184	1	60449	2	60544	6	60655	11		
60099	6	60185	1	60450	7	60546	1	60656	2		

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- *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.

Q4 Updates

- In Q4, the Targeted Hardship Customers email campaign was distributed to approx. 315,325 customers, resulting in 145,237 opens, 46.06% open rate, 7,358 click-throughs, 2.33% CTR, and 6.62% click-to-open rate. For social media, targeted English and Spanish social media messages on HUA (My Account) & E&A yielded a total reach/impressions of 1,762,271, cultivating a total of 8,125 link clicks by customers.

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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	16,410	39	26	113	3,863	6,618	20,299	6,970
60419	Dolton	32,626	56	0	8	508	4,659	33,134	4,723
60426	Harvey	9,922	25	4	46	401	14,413	10,328	14,484
60428	Markham	6,196	18	0	0	217	521	6,414	539
60472	Robbins	5,993	10	0	0	73	275	6,066	285
60484	University Park	3,595	9	0	0	38	1,590	3,633	1,599
60619	Chicago	37,488	86	145	8,235	1,496	31,160	39,129	39,482
60620	Chicago	44,176	116	85	599	20,634	21,168	64,896	21,883
60621	Chicago	6,711	9	32	136	636	19,128	7,379	19,273
60623	Chicago	7,805	15	42	157	1,141	26,406	8,988	26,578
60624	Chicago	7,551	10	26	130	914	13,920	8,491	14,060
60628	Chicago	56,393	115	51	226	1,475	28,731	57,919	29,072
60636	Chicago	11,661	25	3	38	507	13,404	12,172	13,467
60637	Chicago	7,123	12	87	784	868	19,438	8,077	20,234
60644	Chicago	12,612	31	48	600	879	8,317	13,539	8,948
60649	Chicago	4,801	15	152	1,457	929	10,128	5,882	11,600
60827	Riverdale	13,195	31	8	1,585	375	5,491	13,578	7,107
60944	Hopkins Park	0	0	0	0	0	0	0	0
60958	Pembroke Township	0	1	0	0	0	0	0	1
61057	Nachusa	0	0	0	0	0	0	0	0

*Other IE Programs column 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.

Q4 Updates

- In Q4 2024, 65 income eligible customers – and 343 throughout 2024 – 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.

Q4 Updates

- In Q4 2024, ComEd continued to provide support of modeling customer electrification bill impacts. The team continued evaluation of the impacts of applying the Low Income Discount (LID) rates to future electrification scenarios. Additionally, the team evaluated impacts of potential electric rate increases and impacts of participation in hourly pricing programs. 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 Electric websites. Additionally, the team is recruiting participating single-family and multi-family Whole Home Electric customers and has begun to install

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additional temporary monitoring equipment at participating customer residences to verify the bill impacts model.

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.

Q4 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 Q4, ComEd has continued coordinating with ICC staff, the current IQ-N LT, and the proposed facilitator on a new SOW and MOU.

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

Q4 Updates

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

In Q4, the Multi-Family Energy Savings (MFES) program served verified income eligible (IE) and public housing (PH) multi-family properties in 218 unique zip codes throughout ComEd’s service territory. In total, 3,071 IE and PH buildings participated with 76,663 tenant units receiving free products such as smart thermostats, LEDs, low flow showerheads and faucet aerators. The 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 Q4 of 2024.
- *# of Apartment Units:* Units served by the offering in Q4 of 2024.

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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	1	17	0	0
60025	0	0	0	0
60035	1	4	0	0
60056	0	0	0	0
60085	17	354	0	0
60088	0	0	0	0
60096	0	0	0	0
60099	0	0	0	0
60104	0	0	0	0
60115	7	43	24	420
60120	0	0	0	0
60130	1	6	0	0
60137	0	0	0	0
60139	0	0	0	0
60153	2	163	0	0
60155	0	0	0	0
60164	0	0	0	0
60173	0	0	0	0
60176	0	0	0	0
60178	0	0	0	0
60181	0	0	0	0
60187	0	0	0	0
60188	0	0	0	0
60193	0	0	0	0
60201	5	243	0	0
60202	3	41	0	0
60301	2	70	0	0
60302	7	245	0	0
60304	6	115	0	0
60402	2	43	0	0
60406	1	12	0	0
60409	1	12	0	0
60411	4	16	0	0
60419	0	0	0	0
60435	3	272	0	0
60438	0	0	0	0
60443	0	0	0	0
60449	0	0	0	0
60452	0	0	0	0
60464	0	0	0	0
60466	0	0	0	0
60471	0	0	0	0
60504	1	10	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	4	33	0	0
60506	4	351	0	0
60517	117	806	0	0
60546	0	0	0	0
60548	4	16	0	0
60561	0	0	0	0
60605	0	0	0	0
60608	2	12	1	330
60609	3	232	0	0
60612	1	3	0	0
60615	25	326	0	0
60616	2	512	1	12
60617	4	134	0	0
60618	5	163	0	0
60619	12	227	0	0
60620	11	127	0	0
60622	0	0	0	0
60625	0	0	0	0
60626	8	241	0	0
60628	11	121	0	0
60629	11	30	0	0
60630	0	0	0	0
60632	1	3	0	0
60634	0	0	0	0
60636	1	12	0	0
60637	3	176	0	0
60638	1	87	0	0
60639	3	136	0	0
60640	6	717	0	0
60643	0	0	0	0
60644	2	44	0	0
60645	2	74	0	0
60647	1	20	0	0
60649	3	252	0	0
60651	2	210	0	0
60653	7	293	0	0
60659	0	0	0	0
60660	1	60	0	0
60707	0	0	0	0
60803	4	48	0	0
60804	0	0	0	0
60827	2	3	0	0
60915	0	0	0	0
61008	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)
61104	0	0	0	0
61107	4	24	0	0
61367	0	0	2	10
60163	0	0	0	0
60165	1	3	0	0
60005	0	0	0	0
60026	0	0	0	0
60030	1	148	2	50
60064	1	5	0	0
60073	0	0	1	39
60074	11	36	0	0
60076	0	0	0	0
60077	0	0	0	0
60083	0	0	0	0
60087	0	0	0	0
60090	0	0	0	0
60101	4	48	0	0
60106	0	0	0	0
60110	1	101	0	0
60118	0	0	0	0
60131	0	0	0	0
60152	0	0	0	0
60160	0	0	0	0
60163	21	862	0	0
60171	2	48	0	0
60177	0	0	0	0
60185	0	0	0	0
60305	1	31	0	0
60426	0	0	0	0
60403	0	0	0	0
60432	0	0	0	0
60433	0	0	0	0
60440	0	0	0	0
60441	0	0	0	0
60442	0	0	0	0
60450	11	88	0	0
60459	0	0	0	0
60465	0	0	0	0
60468	0	0	0	0
60472	0	0	0	0
60475	0	0	0	0
60481	0	0	0	0
60515	1	165	0	0
60525	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)
60526	0	0	0	0
60532	0	0	0	0
60534	0	0	0	0
60538	1	4	0	0
60543	0	0	0	0
60544	0	0	0	0
60545	1	6	0	0
60555	0	0	0	0
60556	0	0	0	0
60559	0	0	0	0
60607	2	203	0	0
60610	3	44	0	0
60613	1	84	0	0
60614	1	4	1	83
60621	5	43	0	0
60623	4	40	0	0
60624	1	4	0	0
60631	0	0	0	0
60633	1	84	0	0
60641	2	49	0	0
60655	0	0	0	0
60656	0	0	0	0
60714	0	0	0	0
60901	0	0	0	0
60950	0	0	0	0
61010	0	0	0	0
61021	0	0	3	116
61012	1	4	0	0
61032	2	8	0	0
61073	0	0	0	0
61081	0	0	0	0
61101	4	212	0	0
61103	0	0	0	0
61108	4	16	0	0
61109	2	8	0	0
61111	4	32	0	0
61114	0	0	0	0
61115	0	0	0	0
61319	0	0	0	0
61342	11	167	0	0
60550	0	0	0	0
60008	0	0	0	0
60010	0	0	0	0
60020	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)
60123	7	53	0	0
60126	0	0	0	0
60520	0	0	0	0
61310	0	0	10	10
60070	0	0	0	0
60416	0	0	0	0
60430	0	0	0	0
60652	0	0	0	0
60431	0	0	0	0
60002	0	0	1	13
60004	0	0	0	0
60031	0	0	2	20
60033	0	0	0	0
60044	0	0	0	0
60050	3	88	0	0
60062	0	0	0	0
60067	0	0	0	0
60091	0	0	0	0
60133	0	0	0	0
60404	0	0	0	0
60415	0	0	0	0
60462	0	0	0	0
60527	63	792	0	0
60560	0	0	0	0
61048	0	0	0	0
61062	0	0	0	0
61087	0	0	0	0
60061	0	0	0	0
60148	14	231	0	0
60429	0	0	0	0
60445	0	0	0	0
60487	0	0	0	0
60657	0	0	0	0
60712	0	0	0	0
61061	0	0	0	0
61764	0	0	3	66
60053	1	56	0	0
60467	1	80	0	0
60476	1	5	0	0
61088	1	40	0	0
60314	1	4	0	0
60084	0	0	1	25
60010	0	0	0	0
60020	0	0	0	0

Stipulations

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

In Q4, the Multi-Family Energy Savings program allocated \$24,153,161 in ComEd incentives for efficiency upgrades within income eligible and public housing buildings and achieved 30,745 net MWhs and 611,263 net therms.

- The 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	\$21,854,800	\$10,159,222	29,396	601,391
Public Housing	\$2,298,361	\$332,216	1,349	10,199
Total	\$24,153,161	\$10,491,438	30,745	611,590

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)

Q4 Updates

- Year to date, ComEd has utilized 28 diverse prime contractors (Tier 1) and 68 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	\$24,534,929	6
WBE	\$35,630,401	18
MWBE	\$32,900	2
VOSB	\$2,704,198	2
Total	\$62,902,428	28

Table 8

Tier 2 Diverse Category	Spend	# of Vendors YTD
MBE	\$16,116,685	29
WBE	\$28,728,035	33
VOSB	\$6,928,667	6
Total	\$51,773,387	68

- **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)

Q4 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 (2024)		
Program	Number of Properties Assessed	Properties with Health and Safety Issues Identified
Home Energy Savings	2,875	2,302
Multi-Family Energy Savings	1,373	255
Whole Home Electric	301	164

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 and tune ups to address CO issues
- CO and smoke detectors
- Emergency mechanical replacement
- Roof repair
- Moisture abatement
- Other

Stipulations

Table 10

Health and Safety Related Deferrals*	
Home Energy Savings	316
Multi-Family Energy Savings	0
Whole Home Electric	11

*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
- Vermiculite / asbestos
- Roof and structural issues

Table 11

Health and Safety Related Spend 2024*	
Home Energy Savings	\$6,702,118
Multi-Family Energy Savings	\$4,787,070
Whole Home Electric	\$1,716,409

*Note: Spend includes dollars spent on exhaust fans and emergency HVAC replacement (including Room Acs), 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.

Q4 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 second Skilled Cohort, providing those currently in energy efficiency (EE) the tools and upskilling needed to do more in the EE space. Twenty-six participants successfully graduated from the program, all earning 3 Building Professional Institute (BPI) certifications needed for energy efficiency improvements. In addition, two advanced training sessions were held for

graduates from both ComEd and Nicor Gas MDI cohorts providing additional skills training and the opportunity to earn an additional advanced certification.

Several events were held in Q4, educating community members on the MDI offering. As part of an effort to assist in diverse business development, MDI joined forces with Bank of America for a webinar series held throughout Q4 and additionally held an in-person event in Chicago in December. Community-based Organizations (CBOs) continue to be an area of focus, as CBOs both share information about MDI in the communities they serve and also offer wraparound services supporting efforts for participants to attend training. A CBO roundtable was held in Q4 in Rockford to expand our footprint.

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.

Q4 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.

Q4 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 2024	
IE SF Home Energy Savings	\$6,702,118
IE Multi-Family Energy Savings	\$4,787,070
IE Single-Family Whole Home Electric	\$1,608,759
IE Multi-Family Whole Home Electric	\$107,650

- *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. In 2024, over 4,500 CO/smoke detectors were installed in HES participant homes and over 1,600 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 also needed panel upgrades, though some projects 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 \$700,000 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 Electric offering for eligibility consideration.

Whole Home Electric

Overview: The Whole Home Electric 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

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

Appendix: Program Descriptions

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.

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

Appendix: Program Descriptions

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.

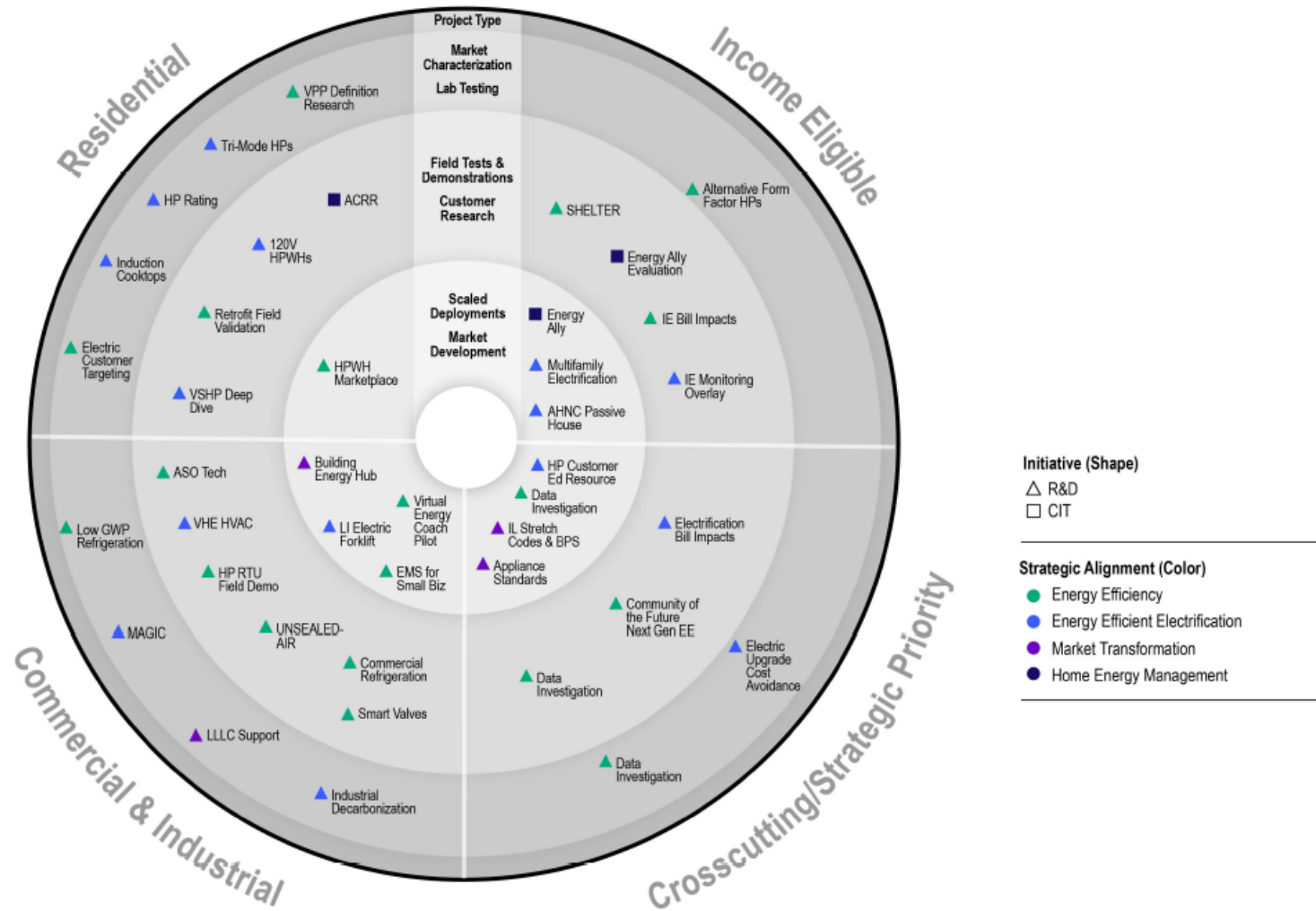
Voltage Optimization

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 Q4



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://www.comed.com/innovate).

Appendix: Customer Innovation/R&D Summary

Customer Innovation Portfolio Summary 2024 Q4

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	Five multifamily projects are on course to achieve PHUS certification when complete. A total of 247 units will be built, including 221 that will be for income-eligible customers. One project completed in 2024 and two projects are scheduled for completion in both 2025 and 2026 for a total of five projects.
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-field performance of the upgraded building end uses, as well as the whole building, continued to be monitored through Q4 2024. The project team is on track to provide an updated final report in late Q2 2025 that will summarize the performance of the HPWH and impact on whole building energy consumption.
Building Energy Resource Hub	Organization that provides training and resources to customers and stakeholders across the region to support meeting aggressive climate action goals, improving building performance, and building an inclusive green economy.	Illinois Green Alliance	Market Development	Commercial and Industrial	2026 Q2	The Hub expanded its technical guides and online resources during Q4 2024 for building owners, contractors and other building professionals. The first contractor engagement event 'Contractor Connection' was held in-person and included several ComEd contractors and other aspiring contractors.
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, Eire Direct Marketing, Prism	Scaled Deployment	Income Eligible	2024 Q4	The project team concluded this pilot. A comprehensive report on energy savings and the overall project evaluation was finalized and can be found on the ComEd Customer Innovation website.
Energy Management Systems (EMS) for Small and Medium Business	Exploring the use of energy management systems to optimize energy efficiency in small businesses.	Resource Innovations	Scaled Deployment	Commercial and Industrial	2025 Q1	This pilot included two participants, a fast-food restaurant and a clothing retailer. While data collection challenges at one site limited its evaluation, the other site yielded valuable insights into energy usage and savings. A final evaluation report is in progress and on track for delivery in Q1 2025.
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 Q4	The Go Electric Site was relaunched on October 2, 2024, with revised heat pump content, visuals, and estimated savings results that incorporated feedback from a site usability study with customers. Following the launch, the project team began work on new content for other types of electrification equipment, including heat pump water heaters, heat pump dryers, induction stoves, and electric outdoor appliances. The new content is expected to be released in Q2 2025.
Heat Pump Water Heater (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 contactors who are trained at installing HPWHs.	Techniart, Resource Innovations	Scaled Deployment	Residential	2024 Q4	Techniart finished developing the HPWH Marketplace site. The DIY installation path was removed because the installation contractor must be an EESP installer for the customer to receive the rebate. However, since Techniart advised that the removal of the DIY installation path would yield significantly fewer installations than originally planned, R&D decided to pause the website launch to strategize on the optimal approach to promoting heat pump water heater adoption.
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 explored an overarching market transformation strategy to address both energy code advancement and New Construction energy efficiency, including initial outlines for a transition to a new program model starting in 2026.
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	The project team completed analysis of Forklift use at the first site and developed a case study report. Monitoring equipment installation underway at the second and final participant site.

Appendix: Customer Innovation/R&D Summary

Statewide Appliance Standards Advocacy	Supporting a state appliance standards legislative bill through the 2025 legislative session by coordinating with stakeholders and providing updates and technical analyses as necessary, including informing legislators of the consumer and energy impacts of this bill.	Energy Solutions	Market Development	Crosscutting/Strategic Priority	2025 Q2	A legislative bill was drafted for submission to the 2025 Illinois legislative cycle. The impacts of the proposed bill were analyzed and relayed to ASAP. Key stakeholders were engaged to support this process including ASAP, MEEA, ELPC, Elevate, and others.
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	Outreach for the project is underway, with seven projects already enrolled.
Customer Research, Field Tests, & Demonstrations						
120V Heat Pump Water Heater (HPWH) Field Demonstration	Testing the 120V HPWH in ComEd customer homes to understand installation experience, customer experience/satisfaction, and the equipment's performance through data monitoring.	Slipstream	Field Tests & Demonstrations	Residential	2024 Q4	The project team completed their analysis and delivered the final report summarizing the demonstration's results.
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 Automated Carbon Reduction Report pilot project was completed and the project team delivered the final report that can be found on the ComEd Customer Innovation website.
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 Q2	Preliminary project data showed limited savings during the summer months, but more promising results at the start of the heating season. To ensure comprehensive evaluation, the monitoring period has been extended through the next cooling season, with results anticipated by mid-2025.
Industrial Advanced Refrigeration Controls	Testing novel advanced controls for large refrigeration systems in real-world conditions.	Slipstream	Field Tests & Demonstrations	Commercial and Industrial	2025 Q4	The project team produced a draft progress report for 2024. The team gathered operational data and estimated savings from refrigeration controls at three customer sites.
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	2025 Q4	Slipstream completed monitoring the performance of the VRF system at Quinn Chapel and issued a final report on the new system in tandem with this update. SSCAC has recently been awarded a large grant to renovate and expand their facility, and ComEd has provided technical assistance and incentives for new, next-generation efficiency measures to be implemented in 2025. Beautiful Zion has put in a place a design and construction team to weatherize their 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 Energy Ally savings evaluation was completed. Since the project pilot ended early, a program transition was not required. The project team delivered the final report, which can be found on the ComEd Customer Innovation website.
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	2025 Q4	The project team coordinated with the relevant program and implementation teams on aligning bill screening tools. They also shared 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 Q4	The project team delivered a preliminary draft report on the challenges and barriers to site selection. The project timeline has been extended to allow for additional time for site recruitment.
Income Eligible Single Family and Multifamily 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 continued to align on planning tasks which included submitting the bill impacts, all electric, and sizing analysis plans. They also continued recruitment, meeting their sample target for single-family homes with means in place to meet the multifamily target in 2025.
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.

Appendix: Customer Innovation/R&D Summary

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.
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 completed, and the project team delivered a draft final report for review.
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. The R&D team started reviewing the project team's ideas for ComEd involvement in this work.
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 reviewed the pre-proposal and decided to request a full proposal in 2025.
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	All sites with systems installed are operational with the exception of Cook County Forest Preserve, which is expected to come online in January 2025. Several sites have had control problems as the heating season began, and team began investigation to resolve the control issues.
Variable Speed Heat Pump (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 concluded and the final report and case study were delivered. The case study is now available on ComEd's website (https://www.comed.com/ways-to-save/for-your-business/resource-center/fact-sheets/variable-speed-heat-pumps).
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 Q2	The team delivered a Product Matrix at the end of 2024 that provides an overview of products currently available. The matrix consolidated the findings of manufacturer interviews. The team is shifting to work on a building stock assessment to understand more opportunities within ComEd territory.
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 market actor interviews, refined analyses and community identification, and presented their collated final findings in a report and presentation.
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 completed, and the project team delivered the final report.
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 completed, and the project team delivered the final report.
Induction Cooktop Research	Research to understand decision making and experience with induction stoves and how peer programs have supported the adoption of induction stoves.	ILLUME	Market Characterization	Residential	Q2 2025	The team began work on peer utility interviews and completed a benchmarking review of programs that offer rebates for induction cooktops. The team is planning for interviews with customers in 2025.
Industrial Decarbonization Initiative	Research to understand the motivations, challenges, opportunities, processes and influencers that impact various subsegments of industrial decision makers in adopting decarbonization strategies, and to identify the customers with the highest likelihood of adopting technologies or procedures that would result in decarbonization.	Cascade Energy	Market Characterization	Commercial and Industrial	Q3 2025	The team had the project kickoff meeting in December 2024.

Appendix: Customer Innovation/R&D Summary

Luminaire-Level Lighting Controls (LLLC) Support	This research assesses Luminaire-Level Lighting Controls (LLLC) as a potential Market Transformation (MT) program opportunity for ComEd. The study includes a literature review and interviews with entities experienced in LLLC MT. The goal is to provide key insights that will inform ComEd's decision on whether to launch an LLLC MT program.	ILLUME	MT Concept Development	Commercial and Industrial	2024 Q4	The project team presented Phase 1 study results. Phase 2 of the study will continue in Q1 2025.
Low Global Warming Potential (GWP) Refrigeration Systems for Grocery Stores Market Characterization	The goal is to define the current state and perception of low-GWP refrigeration from the perspective of ComEd's medium-to-large grocery segment customers and other key stakeholder groups. This represents Phase 1. Future phases may include how to best address or serve customers in this segment.	Cascade Energy	Market Characterization	Commercial and Industrial	Q2 2025	The project began in December 2024. The team held initial meetings, started reviewing past related research and took preparatory steps to interview market actors.
Made in America Grid Integrated Commercial (MAGIC) Heat Pump Water Heater (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 central heat pump water heater procurement was completed for the Bickerdike site. ComEd is currently working with NBI to re-evaluate make-ready install costs.
Virtual Power Plant (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 VPP definition research initiative completed.
Tri-Mode Heat Pump Lab Testing	Laboratory evaluation project of a tri-mode combi system (one single heat pump that does heating, cooling and hot water for single-family homes). Lab testing will specifically test system performance in northern Illinois climate	GTI Energy	Lab Testing	Residential	2025 Q2	GTI is finalizing the test plan and procedures to confirm applicability with climate zone and alignment with Program team needs.
Technical Reference Manual (TRM) and Program Data Investigation	This work includes scanning and reviewing the IL TRM and recent participation data to investigate key cross-cutting topics related to potential future code changes, IE customers, and program activity. More specifically, it will include a review of the TRM and program data for: <ul style="list-style-type: none"> • IE tailored measures • Measures at risk of shifting baselines or other instability • Key measures of interest (e.g., economizers and dual fuel HP) • Measure-overlap between programs 	ILLUME	Other	Crosscutting/Strategic Priority	2025 Q1	The project team developed a tracking document to collect information from the IL TRM, scanned through about 50% of the IL TRM measures, developed a data request for participant data, and expects to receive participation data before the end of January 2025.

Appendix: Corrections

Corrections to ComEd's CY2024 Third Quarter Report

- On the fifth tab of the EE Statewide Quarterly Report, ("5 – CPAS"), item i erroneously reported the expiring savings from CY2023. The correct value for expiring savings for CY2024 is 506,713 MWh and is now reflected as such in this tab. This value impacted dependent calculations in items j, k, r, t, and u, all of which have been updated accordingly. The totals now correctly reflect the Cumulative Persisting Annual Savings ("CPAS") and Applicable Annual Incremental Goal ("AAIG") progress values.
- On page 9 of the EE Quarter Report, the YTD Home Energy Report High Usage Alerts and Weekly Usage Reports numbers were erroneously switched. The correct number of High Usage Alerts is 3,029,669 and the correct number of Weekly Usage Reports is 5,711,048. The totals in this report now correctly reflect the YTD Home Energy Report High Usage Alerts and Weekly Usage Reports through Q4.