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AN EXELON COMPANY

CY2024 FIRST 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 \$9.6 billion on energy bills and avoided over 63 billion pounds of carbon through its energy efficiency programs.**

Data presented in this document is based on preliminary results and is subject to revision and evaluation adjustments. ComEd Energy Efficiency is funded by ComEd customers in compliance with Illinois Public Act 95-0481. For 2024, the emission conversion factor used to calculate pounds carbon/kWh is 0.7385.

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Portfolio Summary

512,922

Actual Net MWh YTD

1,774,991

2024 MWh Forecast

\$80,006,648

Actual Spend YTD

\$437,772,939

2024 Budget

PORTFOLIO

- Through Q1, the portfolio has achieved approximately 29% of its 2024 savings forecast.
- Since its inception in 2008, the ComEd Energy Efficiency Program has saved ComEd customers over \$9.6 billion on their electric bills.

RESIDENTIAL IMPLEMENTATION

- Through Q1, market rate residential programs have achieved 39% of their combined 2024 savings forecast of 226,768 MWh, not including converted therms.
- Through Q1, income eligible residential programs have achieved 25% of their combined 2024 savings forecast of 447,820 MWh, not including converted therms.
- Customers have received over 1,100,000 incentives through Q1.
- Over 6,900 homeowners & tenants – consisting of over 6,200 income eligible participants - have received direct install products from assessments through Q1.

C&I IMPLEMENTATION

- Through Q1, private sector programs have achieved 17% of their combined 2024 savings forecast of 642,231 MWh, not including therms.
- Through Q1, public sector programs have achieved 11% of their combined 2024 savings forecast of 112,432 MWh, not including therms.
- Through Q1 over 1,500 private sector projects and over 200 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)** – Q1 was a strong quarter for the Home Energy Assessment (HEA) offering with over 2,600 assessments completed in-home, virtually, and via the self-guided online assessment tool. On average during Q1, income eligible (IE) HEA customers achieved more energy savings per home compared to the same time period last year due to new measures and thermostat models combined with an increase of identified opportunities for energy saving measures in the home. IE HEA customer satisfaction remains strong with a Q1 score of 4.7 out of 5. In Q1, over 500 income eligible customers received comprehensive weatherization services through the Retrofit offering with more than 100 of those projects being braided with the Illinois Home Weatherization Assistance Program (IHWAP). As of Q1, all IE customers that sign up for HES are being enrolled in an HEA to start. During the in-home assessment, Energy Advisors conduct a visual assessment of the home, install free products, and review energy efficiency opportunities to identify customers that can most benefit from a Retrofit. Those customers are then referred to a participating Energy Efficiency Service Provider (EESP) or Community Action Agency for service. This is an enhancement from the 2023 approach which prioritized IE customers for a Retrofit based on qualitative data provided by the customer upon intake. The intent is to provide a more consistent and equitable distribution of Retrofit projects. In Q1 Energy Advisors received in-person training as well as on-the-job learning opportunities in partnership with two EESPs to expand their building science expertise.
- **Multi-Family Energy Savings (MFES) - (Income Eligible, Public Housing, and Market Rate)** – In Q1, the Income Eligible segment had a strong start to the year completing 336 energy efficiency retrofit projects that included Weatherization, Health & Safety, Lighting & Electric upgrades, and Heat Pump installation measures. 51 Heat Pumps were installed utilizing ~\$320K incentives resulting in savings of ~589 MWh. Over \$771K was utilized to address health and safety hazards that enabled energy efficiency work to proceed safely. In Q1, the Public Housing segment had eight Public Housing Authorities participate in the offering which include: Chicago, Cook County, DeKalb County, Jo Daviess County, Lake County, Lee County, Rockford, and Winnebago County Housing Authority. The offering completed 31 Public Housing retrofit projects during this period. The MFES Program currently has 91 EESPs in the network, with 23% being certified as diverse business enterprises. The MFES team organized a networking event in February and a roundtable discussion event in March for participating EESPs. The roundtable provided opportunities for participants to discuss and share their experience participating in the offering. It also allowed the MFES program team to share program enhancements on the horizon for 2024.
- **Whole Home Electric (Single and Multi-Family Upgrades Electrification - IE)** – The Whole Home Electric offering launched 2024 with the new consolidated design. Last year, there were two separate offerings (one specific to single family building types and one specific to multi-family building types). In order to streamline program delivery, the offering was consolidated into a single comprehensive offering that aims to facilitate the transition from fossil fuels to efficient, all-electric technologies in income-eligible homes and buildings. In early Q1, a “Request for Qualifications” was issued to identify the 2024 EESP network. Through this process, 10 EESPs were identified with 4 being certified DBEs and 1 pending official DBE certification. In Q1, the offering completed 6 single family home conversions and conducted several assessments to build the pipeline for the remainder of 2024.

Residential Implementation Programs

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Savings – Market Rate Assessment	207	12%	722	Homes
Home Energy Savings – Income Eligible Assessment	2,443	33%	1,959	Homes
Home Energy Savings – Income Eligible Retrofits	2,568	50%	506	Homes
Multi-Family Energy Savings – Income Eligible	4,140	18%	Tenant Unit Direct Installation: 3,678 Site Assessments: 162 Building Upgrades: 709	Projects
Multi-Family Energy Savings – Public Housing	291	12%	Tenant Unit Direct Installation: 114 Site Assessments: 0 Building Upgrades: 48	Projects
Multi-Family Energy Savings – Market Rate	109	1%	Tenant Unit Direct Installation: 8 Site Assessments: 21 Building Upgrades: 11	Projects
Whole-Home Electric	140	2%	Single Family Homes: 6 Multi-Family Buildings: 0 Tenant Unit Conversions: 0	Projects

Residential Implementation Programs

Residential Channels Program Highlights

- **Retail (Market Rate and Income Eligible)** – In Q1, over 1,700 customers engaged with the ComEd retail program representatives at 46 in-store engagement events with 80% of events conducted at retailers in communities (zip codes) that are predominately income eligible. Two events were conducted at new retailers: Cook Brothers (an independent wholesale store) and Freshway Market (formerly Leamington Foods), a grocery supermarket. During Q1, the program saw strong sales/participation with weatherization measures. Q1 marketing efforts focused on a page refresh for the ComEd appliance rebates and discounts webpage, addition of new “slider” images to the Efficient Choice tool to route consumers to ComEd.com/save, promotion of an interactive dog air-purifier video, and a World Water Day promotional email.
- **Product Distribution (Market Rate and Income Eligible)**
 - **Food Bank Distribution** – The program distributed approximately 694,000 products during Q1, including over 664,000 ENERGY STAR certified lighting products plus 12,640 water-saving products, 4,520 advanced power strips, and over 12,500 weatherization measures. This activity occurred through 422 participating food pantries associated with 4 major food bank partners (Greater Chicago Food Depository; Northern Illinois Food Bank; River Bend Food Bank; Illinois Partners In Hope) plus an extended independent partner network. The program hosted 18 in-person events during Q1 where outreach staff interacted directly with customers about ways to save energy and an additional 4 events were supported as grab-and-go due to pantry space constraints. A food distribution event in March in Sterling, sponsored by the Sauk Valley Foodbank, provided an opportunity to distribute energy saving products and informational material to an estimated 600 income eligible customers who attended.
 - **Income Eligible Kits** – Through the end of Q1, more than 14,300 energy saving kits were distributed to income eligible customers throughout the communities served by ComEd with 58% of these kits being funded through our joint partnership with the natural gas utilities. The program is off to a strong start this year and is on track to meet its goal of distributing 45,648 total kits in 2024. Community Action Agencies (CAAs) continue to be the primary providers of customer outreach, recruitment, and enrollment leads for kit distribution efforts, with the Community and Economic Development Association of Cook County (CEDA), Community Action Partnership of Lake County, and Tri-County Opportunities Council organizations accounting for much of this activity.
 - **School Kits** – Through the end of Q1, combined activity for the jointly offered Income Eligible and Market Rate school kits included delivering kits to 10,900 students plus registering 20,800 students whose classrooms have been registered for participation during the remainder of the spring and/or fall school terms.
- **Residential New Construction (Affordable Housing and Electric Homes)** – In Q1, the Affordable Housing New Construction (AHNC) offering completed 4 projects that included 154 income eligible housing units. The program enrolled 20 new projects in this period representing \$2.1M in

Residential Implementation Programs

incentives, providing essential leverage to highly competitive development process. The program participated at the Illinois Affordable Housing Forum (IAHF) in February with an industry table and a presentation on the Passive Building Pathway pilot program (attendance at the conference included over 700 professionals). The Electric Homes New Construction (EHNC) offering completed 3 all-electric homes in Q1. The 3 projects included 2 single family homes and 1 2-flat project, totaling 4 all-electric units. The Q1 projects were completed by 3 different builders. The program offers yard signs and banners for completed projects to promote the program. Currently two banners are deployed for completed projects. During Q1 the program participated in 3 webinars and 4 open house events of participating projects.

- **Heating and Cooling** – In Q1, the program processed 2,567 incentives which included 1,930 air source and 637 mini split heat pumps. Beginning in 2024, a participating contractor company is required to have at least 30% of its field staff complete program heat pump trainings which will give them access to program incentives for qualifying air source heat pumps. By the end of Q1, a total of 290 companies have completed the new training requirements, demonstrating contractors' growing interest in heat pump technologies.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Retail – Market Rate	41,069	63%	Home Products: 524,151	Appliances
Retail – Income Eligible	47,106	34%	Home Products: 232,183 Lighting: 388,583	Appliances; Light Bulbs
Product Distribution – Market Rate	1,610	32%	7,067	School Kits
Product Distribution – Income Eligible	55,858	22%	712,584	Kits and Food Bank Measures
Residential New Construction – Affordable Housing	276	10%	4	Projects
Residential New Construction – All Electric	13	6%	4	Homes
Heating and Cooling – Midstream/ Rebates	8,932	48%	2,567	Units

Residential Implementation Programs

Residential Journey Coordination Program Highlights

- Home Energy Report** – In Q1, Home Energy Reports went live with a new module for budget billing customers. The module is a separate marketing module sent within weekly usage reports for customers on budget billing. The purpose is to notify budget billing customers that a true-up is occurring and monthly budget billing amounts may change. The result from a pilot completed on the module two years ago found that it resulted in a decrease in care center calls because customers were alerted to the true-up. The module will be sent every three months to align with the updated true-up schedule for budget billing customers.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Report	23,863	26%	Home Energy Reports (print): 1,534,989 Home Energy Reports (email): 1,501,390 High Usage Alerts: 1,829,696 Weekly Usage Reports: 435,389	Reports and Alerts

C&I Implementation Programs

Business Program Highlights

- **Small Business (Private and Public)** – In Q1, Small Business launched two limited time promotions including 15% additional incentives for projects completed in select communities and 15% additional incentives for all public sector customers. The two promotions can be stacked for 30% total for public sector customers within select communities. Through Q1, \$3.0M incentives (34.4%) are for projects located within select/disadvantaged communities.
- **Standard (Private and Public)** – In Q1, Standard launched two limited time promotions including 15% additional incentives for projects in select communities and 10% additional incentives for installing products made in Illinois. The two campaigns can be stacked for 25% total for Illinois-made products installed within select communities. The offering achieved 49 net GWh in energy savings through Q1. The offering saw a large influx of applications in late Q4 2023 which helped build a strong pipeline of projects in Q1 2024.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Small Business – Private	29,223	14%	921	Projects
Small Business – Public	1,907	5%	52	Projects
Incentives – Standard – Private	43,778	25%	410	Projects
Incentives – Standard – Public	5,060	14%	110	Projects

C&I Implementation Programs

Technical Program Highlights

- **Incentives – Custom** – The team completed two email blasts in Q1. The first email blast was sent to EESPs explaining application updates and additional incentives in January. The second email blast was sent to industrial customers in March informing them of the 25% additional incentives for 2024 projects and the select communities' additional incentives available through both Custom and Industrial Systems (IS). Additionally, on January 19th the Custom, IS, and Strategic Energy Management (SEM) teams joined forces with the Chicagoland Food and Beverage Network (CFBN) for a webinar featuring ComEd industrial customers as panelists. The event was the culmination of several months of effort, starting with a contact made by the Custom outreach team which led to a collaborative effort of Custom teams, ComEd marketing, and CFBN staff to put on this event. The team received several leads for different EE offerings post webinar.
- **Retro-Commissioning (RCx)** – The program launched an email and phone campaign for the Building Operator Certification (BOC) track to increase registration for upcoming classes (March and May). As of April 8th, 23 participants have signed up with additional sessions scheduled for later in the year. The program also launched two customer facing incentive promotions offered February 14th through April 30th to drive new applications or complete implementation during that period. Both incentive promotions will be paid out on a first-come, first-served basis while budget remains.
- **Industrial Systems (IS)** – The program held an EESP kickoff event which included 2024 program updates, technical sessions, and a roundtable to provide feedback on improvements to the program. The program also held a team Innovation Workshop that generated improvements to streamlining and improving the EESP network and customer experience with the program.
- **Strategic Energy Management (SEM)** – Alumni kickoff and 2023 energy savings recognition events were held with customers in Q1. SEM launched its first DOE ISO 50001 Ready track for existing SEM customers to provide higher recognition and additional guidance on energy savings persistence. The SEM team gave two presentations at MEEA highlighting the success of the SEM community cohort and a very large commercial real estate property. The SEM Innovation Workshop generated improvements including using historical data to reduce time for identifying opportunities and creating energy models.
- **C&I New Construction (CINC)** – CINC attended several events to promote the New Construction program including Bisnow Future of the Suburbs and Connect Industrial Midwest in Q1. Additionally, the team launched the development of a video to promote the New Construction program. This video will be posted on ComEd.com and will help the developer, designer, and contractor better understand the offering. The CINC team also increased the High Performance Design Incentive for 2024 to increase projects enrolled in the program and design very high performing buildings. Feedback from the design community on the increase in incentives has been positive.
- **Midstream/Upstream (Instant Discounts)** – Instant Discounts held its first Diversity, Equity, and Inclusion Business Growth Webinar in Q1 2024. The webinar content focused on tools available to distributors to help identify disadvantaged community (DAC) areas, the permissible certifying bodies for Diverse Business Entity (DBE) registration, as well as offered a point of contact for potential DBE partners that need assistance navigating certification. All

C&I Implementation Programs

measure categories are off to a strong start in 2024. For lighting, TLEDs and DLC fixtures continue to have high participation in both public and private sectors. The electrification (EEE) incentive now available for air source and mini-split heat pumps has helped increase participation in the HVAC measure; more heat pumps have been sold in Q1 2024 than all of 2023. Customers are showing continued interest in electrifying their fork truck fleets. Fork trucks are a leading driver for C&I EEE kWhs and have already generated ~6,600 MWh in EEE savings.

- **Commercial Food Services (CFS)** – CFS has high participation amongst multi-site fast-casual restaurant chains and has had the best single quarter performance since its launch as a business midstream offering. For an offering in its second year, this level of increased participation helps confirm the demand for efficient commercial food equipment. Outreach continues to identify and on-board new participants and develop new ways to support their adoption of the offering.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Incentives – Custom – Private	683	5%	16	Projects
Incentives – Custom – Public	53	3%	1	Projects
Retro-commissioning – Private	843	2%	12	Projects
Retro-commissioning – Public	511	4%	8	Projects
Industrial Systems	4,448	9%	115	Projects
Strategic Energy Management – Private	4,128	11%	106	Participating Customers
Strategic Energy Management – Public	0	0%	36	Participating Customers
C&I New Construction – Private	296	5%	5	Projects
C&I New Construction – Public	0	0%	0	Projects
Midstream/Upstream – Private	22,324	24%	163,923	Lighting products; battery chargers; HVAC, Fork Trucks
Midstream/Upstream – Public	5,044	32%	66,765	Lighting products; battery chargers; HVAC, Fork Trucks
Commercial Food Services - Private	374	26%	157	Units
Commercial Food Services - Public	2	3%	4	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 4.2 million pounds of carbon dioxide reduction or removing 425 passenger vehicles driven each year.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Voltage Optimization	5,709	5%	9 stations; 16 feeders	Stations Activated; Feeders Activated

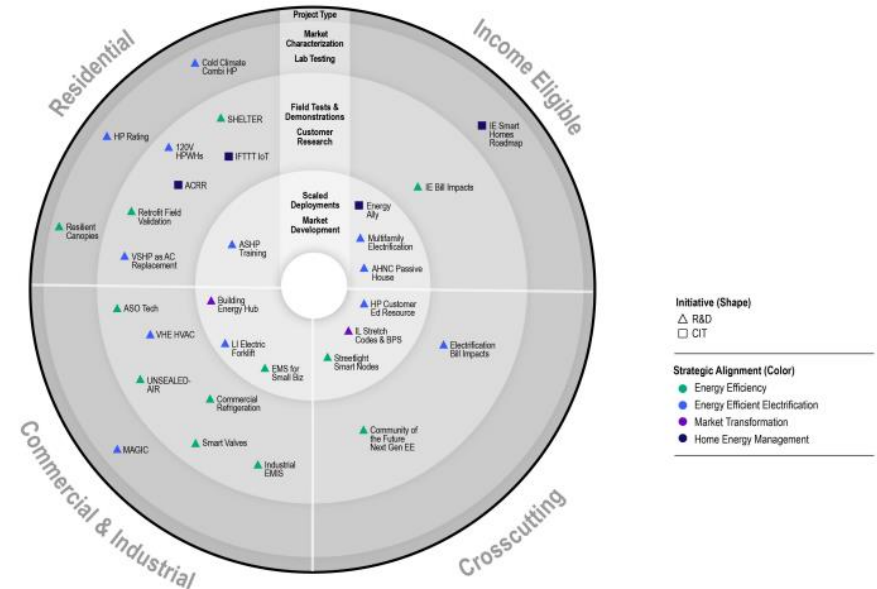
Emerging Technologies and Market Transformation (“R&D”)

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 Q1



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

Marketing Education & Awareness

Marketing Education & Awareness Highlights

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

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

- In-market: 1/10/24 - 3/31/24
- 2024 Q1 paid media consisted of:
 - Meta (Facebook Display, EN, CHI + ROK)
 - Radio :30s (standard + Blackhawks Live + Blackhawks Play by Play), :5s live read, :10s, live read, :15s live read, :5s Blackhawks Custom Feature (EN, CHI)
 - NBC Sports Net Live Announcer Reads Bulls/Hawks (EN, CHI)
- The campaign generated 1,479,790 total digital impressions as of March 31, 2024
 - Meta (Facebook Display): 1,479,790

Energy Efficiency Electrification (EEE) Business Campaign, 2024

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

- In-market: 3/11/24 - 3/31/24
- 2024 Q1 paid media consisted of:
 - Meta (Facebook Display, EN, CHI + ROK)
 - CBS WBBM TV News + March Madness :30s (EN, CHI)
 - Comcast Cable :30s (EN, CHI)
- The campaign generated 984,747 total digital impressions as of March 31, 2024
 - Meta (Facebook Display): 984,747

Energy Efficiency Education & Awareness Campaign, 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 - 3/31/24
- 2024 Q1 paid media consisted of:
 - Meta (Facebook Display, EN, CHI + ROK)
 - NBCU – Peacock+ (Large Screen CTV, EN, CHI + ROK)
 - Radio :30s and :5s, :10s, and :15s live reads (EN + ES, CHI + ROK)
 - Comcast Cable :30s (EN, CHI)
- The campaign generated 1,360,840 total digital impressions as of March 31, 2024
 - Meta (Facebook Display): 137,954
 - NBCU – Peacock+ (Large Screen CTV): 1,222,886

Marketing Education & Awareness

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 - 3/31/24
- 2024 Q1 paid media consisted of:
 - Radio :30s (EN, CHI + ROK)
 - Meta (Facebook Display, EN + ES, CHI)
 - Comcast Cable :30s (EN, CHI)
- The campaign generated 2,299,007 total digital impressions as of March 31, 2024
 - Meta (Facebook Display): 2,299,007

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 wave 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.)

Q1 Updates

- *Metric 1:* During Q1 of 2024, over 110,000 customers receiving utility bill assistance also received information about Energy Efficiency programs.
 - Local Administering Agencies, by process, offer Energy Efficiency kits to LIHEAP and PIPP recipients and review the weatherization program with them.
 - There were 85,742 LIHEAP customers and 19,039 PIPP customers in Q1
 - Supplemental Arrearage Reduction Program (SARP) customers receive Energy Efficiency information from ComEd packaged as Ways to Save
 - There were 16,507 SARP customers in Q1

ComEd’s customer-facing digital tool, the Smart Assistance Manager (or SAM), serves as a way for customers seeking assistance to receive tailored recommendations for ways to assist with managing their electric bills. During Q1, customers who leveraged the ‘assistance finder’ functionality within SAM received referrals to/information about the following programs:

Program	Sessions*
BPA	2
Budget Billing	109
Catch Up & Save	102
Credit Empowerment	10
Due Date Extensions	974
Free Energy Savings Products	18
LIHEAP	83
Payment Arrangements	1018
Retail Discounts	113
SARP	676

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

Stipulations

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

Zip Code / Program	Number of Customers		
60409	124	60623	301
Budget Billing	5	bill-payment-assistance	1
catch-up-and-save	5	Budget Billing	14
credit-empowerment	1	catch-up-and-save	12
Due Date Extensions	34	credit-empowerment	1
liheappp	3	Due Date Extensions	79
Payment Arrangements	39	Free Energy Savings Produ	3
Retail Discounts	7	liheappp	6
SARP	30	Payment Arrangements	98
60419	63	Retail Discounts	9
Budget Billing	1	SARP	78
catch-up-and-save	4	60624	187
Due Date Extensions	19	Budget Billing	8
Free Energy Savings Produ	1	catch-up-and-save	6
liheappp	5	Due Date Extensions	57
Payment Arrangements	18	Free Energy Savings Produ	1
Retail Discounts	1	liheappp	8
SARP	14	Payment Arrangements	61
60426	103	Retail Discounts	5
Budget Billing	4	SARP	41
catch-up-and-save	4	60628	141
Due Date Extensions	22	Budget Billing	6
Free Energy Savings Produ	1	catch-up-and-save	8
liheappp	4	Due Date Extensions	40
Payment Arrangements	42	Free Energy Savings Produ	1
Retail Discounts	5	liheappp	7
SARP	21	Payment Arrangements	42
60428	7	Retail Discounts	6
catch-up-and-save	1	SARP	31
liheappp	1	60636	80
Payment Arrangements	2	Budget Billing	3
Retail Discounts	1	catch-up-and-save	2
SARP	2	Due Date Extensions	24
60472	12	Free Energy Savings Produ	1
Budget Billing	1	Payment Arrangements	31
Due Date Extensions	3	Retail Discounts	6
Payment Arrangements	6	SARP	13
SARP	2	60637	135
60484	1	Budget Billing	4
Payment Arrangements	1	catch-up-and-save	5
60619	206	credit-empowerment	1
Budget Billing	8	Due Date Extensions	34
catch-up-and-save	7	liheappp	9
credit-empowerment	3	Payment Arrangements	43
Due Date Extensions	51	Retail Discounts	5
Free Energy Savings Produ	1	SARP	34
liheappp	9	60644	191
Payment Arrangements	68	bill-payment-assistance	1
Retail Discounts	10	Budget Billing	8
SARP	49	catch-up-and-save	7
60620	150	Due Date Extensions	50
Budget Billing	6	Free Energy Savings Produ	1
catch-up-and-save	7	liheappp	6
credit-empowerment	2	Payment Arrangements	57
Due Date Extensions	40	Retail Discounts	10
liheappp	6	SARP	51
Payment Arrangements	47	60649	39
Retail Discounts	8	Budget Billing	1
SARP	34	catch-up-and-save	1
60621	100	Due Date Extensions	12
Budget Billing	3	liheappp	1
catch-up-and-save	4	Payment Arrangements	12
credit-empowerment	1	Retail Discounts	1
Due Date Extensions	27	SARP	11
Free Energy Savings Produ	1	60827	53
liheappp	4	Budget Billing	3
Payment Arrangements	31	catch-up-and-save	4
Retail Discounts	11	Due Date Extensions	10
SARP	18	Free Energy Savings Produ	2
		liheappp	2
		Payment Arrangements	17
		Retail Discounts	4
		SARP	11

Stipulations

Metric 2: In Q1, 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 - Product Distribution Participation Counts - Q1 2024							
Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts
60002	1	60165	1	60471	33	60634	47
60004	7	60169	10	60472	23	60636	100
60005	8	60171	4	60473	30	60637	216
60007	3	60172	1	60475	4	60638	22
60008	1	60173	11	60476	4	60639	77
60010	4	60176	2	60477	17	60640	41
60016	18	60192	3	60478	67	60641	48
60018	5	60193	14	60482	9	60642	8
60020	6	60194	10	60484	2	60643	62
60025	15	60195	4	60487	3	60644	135
60026	27	60201	14	60501	2	60645	49
60030	8	60202	14	60503	1	60646	7
60031	1	60203	2	60504	1	60647	46
60041	1	60301	4	60513	5	60649	185
60045	1	60302	20	60525	5	60651	104
60046	2	60304	11	60526	5	60652	50
60047	4	60402	21	60534	5	60653	140
60053	7	60406	57	60546	5	60654	3
60056	4	60409	82	60552	1	60655	4
60060	11	60411	172	60561	2	60656	7
60061	4	60415	15	60563	2	60657	12
60062	11	60418	7	60565	1	60659	35
60064	6	60419	66	60601	5	60660	28
60067	3	60422	5	60602	2	60661	3
60068	3	60425	13	60605	17	60706	11
60070	1	60426	64	60606	6	60707	22
60073	28	60428	42	60607	48	60712	7
60074	7	60429	24	60608	130	60714	6
60076	15	60430	26	60609	100	60803	32
60077	23	60433	1	60610	55	60804	41
60084	9	60438	78	60611	9	60805	27
60085	8	60439	1	60612	126	60827	58
60087	3	60441	2	60613	28	60901	2
60089	4	60443	21	60614	13	61021	15
60090	9	60445	43	60615	77	61030	2
60093	2	60447	2	60616	93	61064	1
60096	1	60449	1	60617	135	61071	2
60099	6	60452	20	60618	43	61081	4
60103	3	60453	66	60619	268	61270	1
60104	10	60455	14	60620	184	61277	1
60107	11	60456	2	60621	103	61283	2
60108	2	60457	10	60622	27	61310	3
60120	5	60458	8	60623	176	61321	1
60130	4	60459	8	60624	152	61325	2
60131	1	60461	2	60625	50	61332	1
60133	7	60462	18	60626	66	61341	2
60153	15	60463	7	60627	1	61342	4
60154	5	60464	4	60628	159	61360	1
60155	11	60465	27	60629	109	61364	52
60160	7	60466	50	60630	19	61377	1
60162	5	60467	6	60631	7		
60163	4	60468	1	60632	58		
60164	4	60469	12	60633	22		

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Table 2

Income Eligible - Home Energy Assessments Participation Counts - Q1 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
60002	1	60108	2	60409	25	60477	7	60618	8
60004	5	60110	2	60411	32	60478	12	60619	57
60005	1	60115	2	60415	7	60480	3	60620	38
60007	1	60120	4	60416	1	60481	1	60621	11
60008	3	60123	1	60417	9	60482	2	60622	1
60010	6	60124	3	60418	4	60487	1	60623	7
60014	2	60126	1	60419	36	60490	4	60624	10
60015	2	60130	3	60421	1	60491	1	60625	2
60016	6	60133	3	60422	6	60501	2	60626	4
60020	4	60134	2	60423	4	60502	1	60628	65
60025	3	60135	2	60425	15	60503	2	60629	23
60026	1	60137	1	60426	34	60504	3	60630	5
60030	2	60139	1	60428	25	60505	10	60631	5
60031	2	60140	2	60429	13	60506	20	60632	10
60034	1	60142	4	60430	19	60511	1	60633	11
60035	5	60143	1	60431	6	60513	2	60634	6
60042	1	60148	3	60432	3	60514	2	60636	19
60044	1	60150	1	60433	2	60516	2	60637	6
60045	1	60152	1	60435	7	60517	3	60638	12
60046	1	60153	11	60436	5	60521	2	60639	9
60048	1	60154	4	60438	19	60525	2	60640	3
60050	3	60155	4	60439	3	60526	1	60641	6
60053	2	60156	3	60440	9	60527	3	60643	45
60056	6	60160	3	60441	2	60532	3	60644	11
60060	6	60162	2	60442	1	60534	2	60645	6
60061	2	60164	1	60443	9	60538	7	60646	5
60062	6	60169	2	60445	4	60540	1	60647	6
60064	2	60171	1	60446	4	60542	2	60649	8
60067	3	60172	3	60447	1	60543	1	60651	13
60068	3	60173	1	60448	8	60544	6	60652	16
60069	2	60175	2	60449	1	60545	1	60653	9
60071	2	60176	3	60450	6	60546	1	60654	2
60073	11	60177	1	60451	5	60552	1	60655	3
60074	2	60178	5	60452	14	60553	1	60656	5
60076	6	60181	5	60453	12	60554	1	60657	1
60077	6	60184	1	60455	8	60559	3	60659	13
60083	1	60185	2	60456	3	60560	4	60660	3
60084	2	60187	2	60457	3	60561	2	60706	5
60085	5	60188	5	60458	5	60564	1	60707	9
60087	2	60190	1	60459	11	60585	4	60712	4
60089	2	60191	2	60461	2	60586	2	60714	1
60090	3	60192	2	60462	5	60601	1	60803	5
60091	3	60193	8	60463	2	60605	1	60804	14
60093	2	60201	5	60465	4	60608	4	60805	6
60096	1	60202	7	60466	26	60609	9	60827	27
60097	1	60301	1	60467	4	60610	1	60901	6
60098	2	60302	4	60468	2	60611	3	60913	1
60099	6	60304	2	60469	3	60612	3	60914	1
60101	4	60401	1	60471	5	60613	1	60915	4
60103	5	60402	6	60472	13	60614	2	60919	1
60104	13	60403	9	60473	28	60615	9	60935	1
60106	1	60404	2	60475	1	60616	3	60954	1
60107	1	60406	7	60476	1	60617	45	60964	1

Table 3

Income Eligible - Single Family Retrofits Participation Counts - Q1 2024			
Service Zip Code	Customer Counts	Service Zip Code	Customer Counts
60075	1	60523	1
60077	1	60538	2
60087	1	60544	1
60104	4	60561	1
60115	1	60586	1
60136	1	60608	1
60153	2	60617	20
60181	2	60619	30
60185	1	60620	31
60193	1	60621	1
60202	1	60623	3
60403	2	60624	6
60406	7	60625	2
60408	1	60628	22
60409	8	60629	20
60411	5	60630	2
60415	2	60631	1
60417	1	60632	8
60419	14	60633	5
60423	1	60634	2
60426	12	60636	4
60428	9	60637	2
60429	5	60638	3
60430	3	60639	3
60433	2	60641	5
60435	2	60643	27
60436	2	60644	15
60438	3	60649	4
60441	1	60651	7
60443	3	60652	22
60447	1	60653	1
60449	1	60655	13
60450	2	60656	2
60453	2	60659	2
60466	4	60827	4
60471	4	61101	4
60472	2	61102	2
60473	4	61103	2
60477	1	61107	1
60478	3	61108	1
60504	1		

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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.

Q1 Updates

- The 2024 Targeting Hardship Customers campaign relaunched in January with targeted emails and in March with social media messaging. For 2024, the email campaign execution shifted to an automated series of 4 emails to new arrearage customers with the Eloqua email platform. This is to eliminate the timing contingency of when customers enter our campaign and the content received. For social media, the campaign continues to utilize paid posts through

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Facebook and X (formally known as Twitter) concurrently in English and Spanish. In 2024, X replaced Instagram, as statistics indicated that engagement on X was significantly higher. In Q1, the campaign delivered 373,224 emails and was viewed by 170,076 customers, approximately 46% of the target group. For Q1, targeted English and Spanish social media messaging yielded a total reach of 657,871 customers, cultivating engagement with 1,412 customers, .21% of the target group.

Table 4

Programs:		Single-Family Retrofits - Income Eligible		Multi-Family Income Eligible and Public Housing		Other Income Eligible Programs*		Totals	
Top 20 Disconnect Zip Codes	City	MWh YTD	Participants YTD	MWh YTD	Participants YTD	MWh YTD	Participants YTD	Income Eligible Energy Savings (MWh YTD)	Income Eligible Participants (YTD)
60409	Calumet City	5,351	8	31	9	1,099	4,816	6,481	4,833
60419	Dolton	8,364	6	0	0	369	1,109	8,733	1,115
60426	Harvey	3,496	5	0	0	1,127	3,994	4,623	3,999
60428	Markham	1,175	5	0	0	85	157	1,260	162
60472	Robbins	2,466	2	0	0	31	46	2,497	48
60484	University Park	0	0	0	0	329	1,205	329	1,205
60619	Chicago	11,353	27	66	489	2,028	6,288	13,448	6,804
60620	Chicago	8,181	29	55	12	2,387	13,217	10,623	13,258
60621	Chicago	0	1	12	5	3,108	10,999	3,120	11,005
60623	Chicago	429	3	6	6	1,625	5,104	2,060	5,114
60624	Chicago	1,292	5	14	12	1,282	3,903	2,588	3,920
60628	Chicago	8,735	26	7	2	2,645	8,776	11,387	8,803
60636	Chicago	863	5	3	4	829	2,486	1,695	2,495
60637	Chicago	505	2	33	27	2,095	6,753	2,633	6,782
60644	Chicago	5,188	13	32	26	995	2,924	6,214	2,963
60649	Chicago	887	5	60	31	721	1,605	1,667	1,641
60827	Riverdale	1,749	2	2	8	518	1,636	2,269	1,646
60944	Hopkins Park	0	0	0	0	0	0	0	0
60958	Pembroke Township	0	0	0	0	0	0	0	0
61057	Nachusa	0	0	0	0	0	0	0	0

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

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

Q1 Updates

- In Q1, 71 income eligible customers 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.

Q1 Updates

- In Q1 2024, ComEd continued to develop modeling approaches to support the ongoing identification of weatherization program participant outcomes. Techniques for weather normalization and strategies for addressing data limitations were evaluated; for example, a proxy approach was agreed upon for use in cases where a specific installation date was not known for a measure. The goal is to enable categorization of IE weatherization program participants by post-retrofit

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bill impacts using customer AMI electric usage data. Once this approach is established and tested, the R&D team will use the recommendations from the Phase 1 study in 2022-2023 to develop a communication strategy with customers flagged as having less-than-expected savings outcomes (this will be Phase 3 of this initiative).

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.

Q1 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 Q1, the ICC staff recognized the newly elected IQ-N LT and advises ComEd to move forward with re-engaging communications. The IQ-N LT is currently working on a new scope of work for a proposed facilitator.

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

Q1 Updates

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

In Q1, the Multi-Family Energy Savings program served verified income eligible (IE) and public housing (PH) multi-family properties in 107 unique zip codes throughout ComEd’s service territory. In total, 757 IE and PH buildings participated with 22,184 tenant units receiving free products such as smart thermostats, LEDs, low flow showerheads and faucet aerators. Following table (*Table 5*) shows the breakout of

the number of buildings and tenant units served, by program component (income eligible, public housing) and by zip code.

- *# of Building Participants (Income-Eligible & Public Housing):* Assuming each building under an account is participating, in both direct install and rebate projects with a date install in Q1 of 2024.
- *# of Apartment Units:* Units served by the offering in Q1 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	4	137	0	0
60025	0	0	0	0
60035	0	0	0	0
60056	0	0	0	0
60085	4	112	0	0
60088	1	813	0	0
60096	1	12	0	0
60099	6	133	0	0
60104	4	21	0	0
60115	3	23	9	253
60120	2	12	0	0
60130	0	0	0	0
60137	0	0	0	0
60139	1	6	0	0
60153	2	12	0	0
60155	3	13	0	0
60164	1	3	0	0
60173	0	0	0	0
60176	0	0	0	0
60178	1	3	2	100
60181	12	344	0	0
60187	0	0	0	0
60188	0	0	0	0
60193	0	0	0	0
60201	4	256	1	201
60202	3	91	0	0
60301	1	35	0	0
60302	13	513	0	0
60304	5	120	0	0
60402	4	55	0	0
60406	0	0	0	0
60409	5	63	0	0
60411	7	42	0	0
60419	0	0	0	0
60435	6	420	0	0
60438	16	224	0	0
60443	0	0	0	0
60443	0	0	0	0
60452	2	12	0	0
60464	0	0	0	0
60466	63	388	0	0
60471	0	0	0	0
60504	0	0	0	0
60505	4	42	0	0
60506	2	24	0	0
60517	3	20	0	0
60546	2	31	0	0
60548	2	8	0	0
60561	0	0	0	0
60605	0	0	0	0
60608	10	3,577	1	114
60609	1	3	1	12

Table 5, continued

60612	17	387	0	0
60615	16	688	1	1
60616	0	0	3	566
60617	9	66	0	0
60618	2	38	0	0
60619	64	665	0	0
60620	11	199	0	0
60622	0	0	1	51
60625	2	10	0	0
60626	20	434	0	0
60628	4	45	0	0
60629	7	100	0	0
60630	1	81	0	0
60632	3	22	0	0
60634	1	3	0	0
60636	3	25	0	0
60637	11	205	1	165
60638	3	109	0	0
60639	6	238	0	0
60640	9	454	0	0
60643	2	13	0	0
60644	15	343	0	0
60645	6	89	0	0
60647	6	389	0	0
60649	25	722	1	51
60651	4	31	0	0
60653	2	58	2	155
60659	2	37	0	0
60660	18	637	1	199
60707	1	3	0	0
60803	43	604	0	0
60804	5	124	0	0
60827	1	12	0	0
60915	1	107	0	0
61008	0	0	0	0
61104	7	265	0	0
61107	3	14	0	0
61367	0	0	2	10
60163	0	0	0	0
60165	0	0	0	0
60005	0	0	0	0
60026	0	0	0	0
60030	0	0	0	0
60064	0	0	0	0
60073	0	0	0	0
60074	50	612	0	0
60076	0	0	0	0
60077	0	0	0	0
60083	0	0	0	0
60087	1	6	0	0
60090	2	12	0	0
60101	18	624	0	0
60106	0	0	0	0
60110	0	0	0	0
60118	0	0	0	0
60131	0	0	0	0
60152	0	0	0	0

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Table 5, continued

60160	1	12	0	0
60163	11	550	0	0
60171	0	0	0	0
60177	3	24	0	0
60185	0	0	0	0
60305	0	0	0	0
60426	0	0	0	0
60403	6	223	0	0
60432	1	160	0	0
60433	2	488	0	0
60440	0	0	0	0
60441	0	0	0	0
60442	0	0	0	0
60450	0	0	0	0
60453	0	0	0	0
60465	0	0	0	0
60468	1	16	0	0
60472	0	0	0	0
60475	0	0	0	0
60481	0	0	0	0
60515	0	0	0	0
60525	0	0	0	0
60526	0	0	0	0
60532	0	0	0	0
60534	0	0	0	0
60538	0	0	0	0
60543	0	0	0	0
60544	0	0	0	0
60545	0	0	0	0
60555	0	0	0	0
60556	0	0	0	0
60559	0	0	0	0
60607	0	0	0	0
60610	10	628	0	0
60613	5	335	3	357
60614	0	0	0	0
60621	4	30	0	0
60623	4	28	0	0
60624	3	48	1	143
60631	0	0	0	0
60633	1	4	0	0
60641	5	106	0	0
60655	0	0	0	0
60656	0	0	0	0
60714	0	0	1	127
60901	1	125	0	0
60950	12	45	0	0
61010	0	0	0	0
61021	1	8	1	2
61012	0	0	0	0
61032	0	0	0	0
61073	0	0	0	0
61081	0	0	0	0
61101	7	40	0	0
61103	3	132	0	0
61108	1	20	0	0
61109	4	21	0	0

Table 5, continued

61111	1	4	0	0
61114	0	0	0	0
61115	8	100	0	0
61319	0	0	0	0
61342	10	160	0	0
60550	0	0	3	12
60008	0	0	0	0
60010	0	0	0	0
60020	0	0	0	0
60123	0	0	0	0
60126	0	0	0	0
60520	0	0	3	12
61310	0	0	10	10
60070	1	36	0	0
60416	1	24	0	0
60430	1	158	0	0
60652	1	6	0	0
60431	1	3	0	0

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

In Q1, the Multi-Family Energy Savings program allocated \$4,083,982 in ComEd incentives for efficiency upgrades within income eligible and public housing buildings and achieved 4,431 net MWhs and 21,784 net therms. Below (*Table 6*) is a breakout of savings and spend by program component (income eligible, public housing).

- The incentive and savings data are specific to ComEd and not the full program (the gas incentives and savings have been removed).

Table 6

	Incentive Spend	Non-Incentive Spend	Net MWh Savings Achieved	Net Therms Achieved
Income Eligible	\$3,692,314	\$1,992,385	4,140	21,784
Public Housing	\$391,668	\$88,319	291	0
Total	\$4,083,982	\$2,080,704	4,431	21,784

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)

Stipulations

- 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)

Q1 Updates

- Year to date, ComEd has utilized 23 diverse prime contractors (Tier 1) and 55 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	\$7,074,985	6
WBE	\$8,163,998	14
MWBE	\$20,000	1
VOSB	\$1,226,847	2
Total	\$16,485,830	23

Table 8

Tier 2 Diverse Category	Spend	# of Vendors YTD
MBE	\$3,030,494	21
WBE	\$4,521,343	30
VOSB	\$1,275,631	4
Total	\$8,827,468	55

- **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
 - **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.

Stipulations

- 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)

Q1 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		
Program	Number of Properties Assessed	Properties with Health and Safety Issues Identified
Home Energy Savings	486	380
Multi-Family Energy Savings	479	22
Whole Home Electric	43	33

Types of issues identified and addressed include:

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

Table 10

Health and Safety Related Deferrals*	
Home Energy Savings	12
Multi-Family Energy Savings	0
Whole Home Electric	3

*Note: Deferrals do not include IHWAP project deferrals.

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

- Excessive mold
- Standing water
- Structural issues

Table 11

Health and Safety Related Spend YTD*	
Home Energy Savings	\$665,952.36
Multi-Family Energy Savings	\$771,431
Whole Home Electric	\$95,871.78

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

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

Q1 Updates

The Market Development Initiative (MDI) successfully kicked-off in 2024 and is now finalizing activities in each of the four channels: Workforce Development (WFD), Diverse Vendor Procurement (DVP), Energy Efficiency Service Provider (EESP) Engagement, Community-based Organization (CBO) partnerships. Under the WFD Channel, training dates have been secured and the team is finalizing the participant list for a skilled cohort scheduled to begin in May. A DVP database began development in Q1 with an upcoming Q2 release date. This database will house information on diverse certified energy efficiency service providers. Communication on MDI began in Q1 with an Implementation Contactor (IC) kick-off meeting and a CBO in-person roundtable event. More events are scheduled in Q2 as well as a newcomer cohort coming later this summer.

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). Income Eligible, Public Housing, and Market Rate Property owners/managers 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.

Whole Home Electrification

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

offering models energy bill impacts to ensure the upgrades will result in overall savings to the customer.

Home Energy Reports

Overview: The Home Energy Report provides select residential customers with information on how they use energy within their households. Reports and the online portal include usage comparison to that of similar, nearby households, personalized energy efficiency advice, program promotions, and application of behavioral principles and social norms to drive adoption of energy efficient behaviors.

Retail

Market Rate, Income Eligible

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

Product Distribution

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

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

Residential New Construction

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

Appendix: Program Descriptions

supports developers building or providing major renovation to affordable housing buildings, including both single and multi-family projects. The program offering's incentives are based on the square footage of the areas serving income eligible tenants, while upgrade requirements apply to the full building. The Affordable Housing New Construction offering is delivered in partnership with Nicor Gas.

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

Heating and Cooling

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

Small Business

Private, Public

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

Standard Incentives

Private, Public, ComEd Streetlights

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

units), commercial appliances including industrial and laboratory equipment, compressed air equipment, and Energy Management Systems (EMS).

Custom Incentives

Private, Public

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

Retro-Commissioning (RCx)

Private, Public

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

Industrial Systems

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

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.

Appendix: Program Descriptions

Strategic Energy Management (SEM)

Private, Public

Overview: SEM helps organizations embed energy efficiency into their operations and company culture. Efforts ultimately allow for organizations to establish energy policies, improve operating efficiencies, and build budgets for energy efficiency efforts. SEM provides tools, coaching, and technical resources to support customers' energy goals through a year-long series of workshops and one-on-one coaching. It draws on principles of continuous improvement and organizational change and integrates Lean, Six Sigma, and other cost savings and operational excellence initiatives. SEM provides incentives for behavioral energy savings as well as operational measures.

C&I New Construction

Private, Public

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

Illinois Commercial Food Services

Private, Public

Overview: The Illinois Commercial Food Services offering provides instant discounts to the purchaser when buying qualified commercial food service equipment utilizing channels including manufacturers, manufacturer representatives, distributors, and dealers of food service equipment. This is a joint utility program available through the state of Illinois and includes Ameren Illinois, Nicor Gas, People's Gas and Northshore Gas. Customers benefit by receiving incentives for both qualifying electric and qualifying natural gas measures.

Assessments

Private, Public

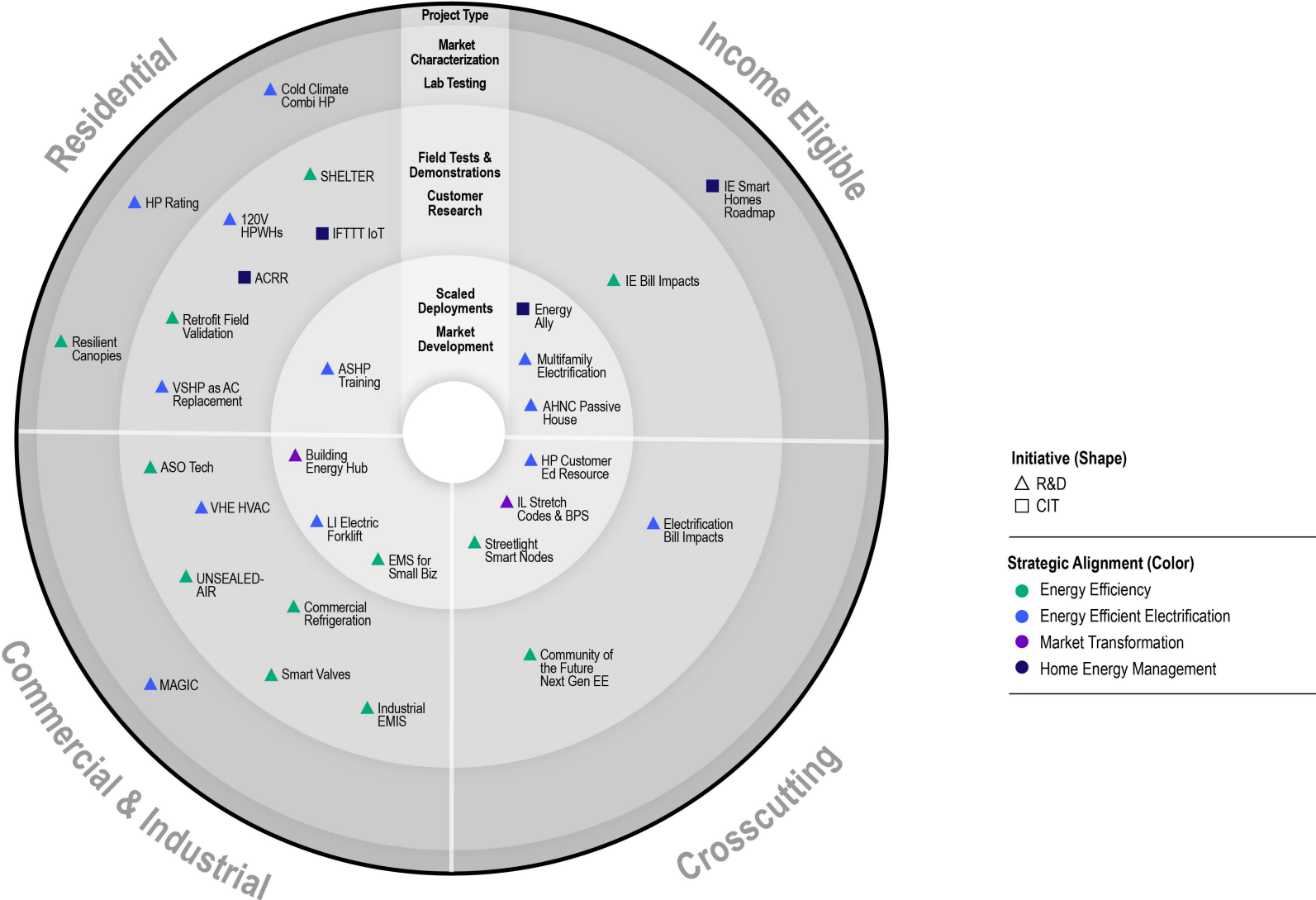
Overview: Assessments identify energy saving measures (capital cost and operational) and provide information on available financial incentives for energy efficient equipment upgrades and retrofits. Assessments save energy annually and lower operating expenses through implementation of recommended measures.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

Voltage Optimization

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

Customer Innovation

ComEd Customer Innovation Portfolio Summary 2024 Q1



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).

Customer Innovation Portfolio Summary 2024 Q1

Project	Work Description	Partners	Project Type	Customer Segment	End Date	Status Update
Scaled Deployments & Market Adoption						
Affordable Multifamily Electrification	Investigating energy savings, installation barriers and costs, and customer experience of whole-home electrification.	Slipstream	Scaled Deployment	Income Eligible	2024 Q4	The team delivered an interim report in Q4 2023 summarizing experiences and savings of the initially installed equipment. The final pieces of equipment, the heat pump water heaters, were installed in late March 2024. The team will monitor usage over the next few months and deliver a final report in August of this year.
Air Source Heat Pump (ASHP) Training	Series of educational activities designed to develop the residential market for heat pumps.	Slipstream	Market Development	Residential	2024 Q1	The team transitioned the new program to the Business Operations team so that ongoing contractor trainings are available for 2024. As of January 2024, this training is required for contractors to participate in heat pump incentives (Home Heating & Cooling Program).
Building Energy Resource Hub	A hub providing training and resources to customers and stakeholders across the region to support meeting aggressive climate action goals, improve building performance, and building an inclusive green economy.	Illinois Green Alliance	Market Development	Commercial and Industrial	2025 Q2	New staff continued to onboard with Kindy Kruller, Senior Program Manager and Matt Watson new Communications Manager. The Hub newsletter was revamped for March 2024. HUB held a Finance Focus group meeting in March with 12 attendees from different professional backgrounds which will be the basis for the Focus on Finance webinar series this summer. HUB Staff have had several productive meetings with BOMA Chicago to partner on retrofit finance education and a joint building retrofit tour series that will replicate former success of the Retrofit Chicago gatherings.
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	2025 Q4	Marketing and Energy Savings Evaluation is on hold. The Energy Ally Support team is assisting customers with any questions or troubleshooting of their device. The new customer account number has been updated in our database to reflect the new CC&B format.
Energy Management Systems (EMS) for Small and Medium Business	Testing a two-tiered energy management system (EMS) offering for small business customers.	Resource Innovations	Scaled Deployment	Commercial and Industrial	2024 Q3	Participating Energy Efficiency Service Providers completed EMS installations at two small business customer sites. The project team cut off project recruitment due to ongoing challenges enrolling customers to participate in the pilot. The project team is monitoring system performance and savings for the two participating sites.
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	2024 Q4	The project team started a new phase of work on the Heat Pump Customer Education website, which will include revisions to existing heat pump customer content and the addition of new content for contractors and other electrification end uses. All revised and new content will take into consideration the feedback collected from customers who participated in the usability study, to ensure the site is as easy to use and understand as possible. The first round of revisions is expected to be released in 2024 Q3.
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	Slipstream continued to provide Stretch Code and Building Performance Standard outreach and marketing support to a range of municipalities in Q1 2024. The project team finalized the Energy Saving Framework (ESF) and program plan and presented it at the March SAG MT meeting.
Lithium-Ion Electric Forklift Case Studies	Creating real-world case studies for use in future promotional efforts.	DNV	Market Development	Commercial and Industrial	2025 Q1	Monitoring is ongoing at first site, with initial case study materials created. Team is evaluating including an additional site to the study.
Passive House Affordable Housing New Construction (AHNC) Portfolio Integration Pilot	Integration of a PHIUS+ incentive tier into the Affordable Housing New Construction offering.	Slipstream	Market Development	Income Eligible	2026	Six multifamily projects are on course to achieve PHIUS certification when complete. A total of 279 units will be built, including 253 that will be for income-eligible customers. Three projects are scheduled to complete in 2024, two in 2025, and one in 2026.
Streetlight Smart Nodes	Addition of technology to allow improved control of LED streetlights.	ComEd Internal	Scaled Deployment	Crosscutting/Strategic Priority	2024 Q2	All nodes were installed in 2023. The limited energy savings generated through a smart node-enabled dimming strategy were judged to not be a good fit for EE from a cost-effectiveness perspective going forward.

Customer Research, Field Tests & Demonstrations

120V HPWH Field Demonstration	Testing the 120V HPWH in ComEd customer homes to understand installation experience, resident experience/satisfaction, and the equipment's performance through data monitoring.	Slipstream	Field Tests & Demonstrations	Residential	2024 Q4	All HPWHs were successfully installed by the end of 2023 and the project team delivered an interim report in Q1 2024. Currently, the project team is administering follow-up surveys with participating customers to hear about their experience to date with the 120V HPWHs. Otherwise, the project team is continuing to monitor performance data from the units installed.
Automated Carbon Reduction Reporting (ACRR)	The ACRR project builds 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	WattTime collaborated with both ComEd and Calico to share data requested to initiate their analysis. WattTime analysis will evaluate carbon emissions values in the market currently and how to create applets that are beneficial to customers.
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	2024 Q3	After successfully integrating the new software to the existing building system controls in Q1 2024, the project team focused on ensuring the zoned heating and cooling is operating as expected, in addition to optimization of the chilled water system. The project team also presented the proposed pilot M&V plan to Guidehouse for review.
Commercial Refrigeration Controls	Testing novel advanced controls for large refrigeration systems in real-world conditions.	Slipstream	Field Tests & Demonstrations	Commercial and Industrial	2024 Q4	Continued progress on data collection, data cleaning, and preliminary analysis at the initial four sites, with equipment installation in progress at a fifth site. The project team requested building data to check performance. The testing analysis is expected to be completed in 2024 Q2.
Communities of the Future Next Generation HVAC Demonstration	Testing energy savings and customer experience in real-world conditions, focused on customers situated within ComEd's Communities of the Future areas.	Slipstream	Field Tests & Demonstrations	Crosscutting/Strategic Priority	2024 Q4	The team continued working through the remaining construction and commissioning work left to be completed at Quinn Chapel. The team is still coordinating with an additional site that is considering a major renovation and addition. In March the team met with a potential new site and is creating an assessment of energy savings opportunities to share with them as a next step.
Energy Efficiency Electrification Savings and Bill Impacts Estimation	Analysis of and calculator maintenance for customer bill impacts related to electrification measures.	Center for Energy and Environment	Customer Research	Crosscutting/Strategic Priority	2024 Q4	The project team updated rates using an agreed upon approach for estimating natural gas rates given recent volatility and the QIP charge expiring. The team conducted some analysis using the calculator for partial electrification bill impacts under different scenarios. Lastly, the team has conducted some planning for a larger update to the calculator.
"If This Then That" (IFTTT) Internet of Things	Provides customers with options for automating their participation in programs, such as Hourly Pricing and Peak Time Savings, to reduce energy and demand usage, as well as help customers react to carbon signals. The applets connect to select smart devices to enable automated control of these devices.	IFTTT, Calico	Field Tests & Demonstrations	Residential	2024 Q1	The project team completed an initial analysis to estimate the number of participants needed to complete a statistically robust impact evaluation, and concluded there is not adequate enrollment at this time. Customer surveys were distributed and results of the survey provided. Continued collaborative conversations are ongoing to discuss project transition and best practices to ensure successful transition.
Income Eligible Weatherization Bill Impacts - Phase 2	Creating tools to support weatherization participant outcomes.	Internal	Customer Research	Income Eligible	2024 Q2	The R&D team is working with the internal ComEd data analytics specialists to develop a set of tools to support the ongoing identification of weatherization program participant outcomes.
Industrial Energy Management Information Systems (EMIS)	Testing new program design approaches for implementing energy management information systems that help industrial customers optimize their energy use.	Leidos	Field Tests & Demonstrations	Commercial and Industrial	2024 Q3	Pilot team continues to engage participant sites to drive new savings opportunities. Project will be fully integrated into the Industrial System Program in Q2
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		Team awaits DOE review and approval of this research.

Pressure Independent Control Valves 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 Q3	The project team analyzed the performance data post-install and encountered difficulties quantifying the savings due to complex issues with chiller plant operation and chilled water system components. Unseasonably warm temperatures also made estimating potential savings difficult.
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	ComEd's role as a partner on this project has not yet started.
SHELTER: Solutions for Housing Equity and Long Term Energy Resilience	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.	Frontier Energy, GTI Energy	Field Tests & Demonstrations	Residential	2025	ComEd's role as a partner on this project has not yet started.
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	2024 Q3	Monitoring continued at the first site and began at the second, third, and fourth sites. A fifth and final site is still being planned for 2024. Team continues to engage with participants to understand energy usage and troubleshoot equipment issues.
Market Characterization and Lab Testing						
Cold Climate Combination Heat Pump Study	Development of a novel residential heat pump system with integrated thermal storage.	Lawrence Berkeley National Lab, Oak Ridge National Lab, GTI Energy, Emanant Systems	Market Characterization, Field Tests & Demonstrations	Residential	2025 Q4	The project is in early stages of research.
Heat Pump Rating Representativeness	Research partnership to improve standardized performance testing for heat pumps.	Northeast Energy Efficiency Partnerships	Lab Testing	Residential	2024 Q2	This nationally-involved effort is in reporting and the draft report is currently under review. Phase 2 included lab testing, which will be compared to Phase 1 field testing.
Income Eligible Smart Homes Roadmap	Study to identify broadband technology solutions to provide smart home energy management to income eligible customers.	Internal	Market Characterization	Income Eligible	2024 Q1	The project team completed a technical/feasible potential report based on available resources that was translated into a final presentation for ComEd leadership.
Made in America Grid Integrated Commercial (MAGIC) HPWH Systems	Research to analyze the market potential for central heat pump water heaters in multifamily buildings.	New Buildings Institute, Ecotope, Department of Energy	Field Tests & Demonstrations	Commercial and Industrial	2025	ComEd's role as a partner on this project has not yet started.
Resilient Canopies in the Chicago Region	Study of the localized impact of afforestation to mitigate urban heat island effects in ComEd communities.	University of Illinois	Market Characterization	Residential	2024 Q2	Simulations of future climate have been completed. In Q1 2024 the project team began analysis of the effectiveness of afforestation for mitigating warming, with analysis expected to be complete in May.