

# CY2024 SECOND QUARTER REPORT



**ComEd has received the ENERGY STAR Partner of the Year Award for Sustained Excellence for the 12th consecutive year.  
ComEd customers have saved more than \$10.0 billion on energy bills and avoided over 65 billion pounds of carbon through its energy efficiency programs.**

# Table of Contents

Residential Direct to Consumer Program Highlights .....	4
Residential Channels Program Highlights .....	6
Residential Journey Coordination Program Highlights .....	9
Business Program Highlights .....	10
Technical Program Highlights.....	11
Engineering Program Highlights.....	13
Voltage Optimization Highlights .....	14
R&D Highlights .....	15
Marketing Education & Awareness Highlights.....	16
Plan 6 Stipulations.....	18
CY2024 New Measures .....	30
Appendix	
Program Descriptions .....	32
Customer Innovation/R&D Summary .....	35
Corrections.....	40

# Portfolio Summary

**938,236**

Actual Net MWh YTD

**1,867,614**

2024 MWh Forecast

**\$169,892,343**

Actual Spend YTD

**\$437,772,939**

2024 Budget

## PORTFOLIO

- Through Q2, the portfolio has achieved approximately 50% of its 2024 savings forecast.
- Since its inception in 2008, the ComEd Energy Efficiency Program has saved ComEd customers over \$10.0 billion on their electric bills.

## RESIDENTIAL IMPLEMENTATION

- Through Q2, market rate residential programs have achieved 64% of their combined 2024 savings forecast of 275,354 MWh, not including converted therms.
- Through Q2, income eligible residential programs have achieved 56% of their combined 2024 savings forecast of 443,576 MWh, not including converted therms.
- Customers have received over 2,500,000 incentives through Q2
- Over 13,965 homeowners & tenants – consisting of over 12,281 income eligible participants - have received products from assessments through Q2.

## C&I IMPLEMENTATION

- Through Q2, private sector programs have achieved 37% of their combined 2024 savings forecast of 661,690 MWh, not including therms.
- Through Q2, public sector programs have achieved 25% of their combined 2024 savings forecast of 137,296 MWh, not including therms.
- Through Q2, over 3,200 private sector projects and over 600 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)** – Through the end of Q2, the offering completed 5,506 total assessments in-home, virtually, and via the self-guided online assessment tool. 40% more assessments were completed in Q2 for income eligible (IE) customers than initially planned, indicating strong demand from this customer segment. Year-to-date income eligible Home Energy Assessments have achieved 47% more MWh savings than initially planned due to the higher number of projects completed and higher average per project savings. In the HES Retrofits component, the program is seeing strong performance within the IHWAP segment which has distributed 26% more incentives through Q2 than initially planned. The IHWAP segment has already completed 62% of the projects that are planned for the year.
- **Multi-Family Energy Savings (MFES) - (Income Eligible, Public Housing, and Market Rate)** – The Multi-Family Energy Savings' Income Eligible and Public Housing components sustained momentum from the first quarter into the second, distributing over \$9.2 million in incentives through Q2 to income eligible property owners and Public Housing Authorities. Notably, nearly half of the incentives have been allocated to Diverse Business Enterprise (DBE) service providers. The MFES outreach team presented at the Illinois Association of Housing Authorities (IAHA) Maintenance & Management Clinic. The event took place on April 3 - April 4 and offered a platform to engage with a diverse group of customers from 13 different Public Housing Authorities (PHAs). The outreach connections made during this event are likely to foster long-term relationships and future projects.
- **Whole Home Electric (Single and Multi-Family Upgrades Electrification - IE)** – In Q2, the Whole Home Electric (WHE) offering conducted a campaign to reach income eligible single-family customers that were previously served with weatherization through the Home Energy Savings offering. The offering identified ideal WHE candidates by considering building type (single family standalone), home square footage, HVAC age, and efficiency and conducted a marketing campaign to reach these customers. This effort resulted in over 90 customers receiving a Whole Home Electric assessment. The offering also continued to have conversations with the City of Chicago specific to their recently launched 'Green Homes Chicago' program. This program serves single family income eligible customers in the City of Chicago with home electrification. Given the similar objectives of Whole Home Electric and Green Homes Chicago, ComEd and the City are coordinating to assess the potential for partnership.

# Residential Implementation Programs

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Savings – Market Rate Assessment	441	26%	1,465	Homes
Home Energy Savings – Income Eligible Assessment	5,191	60%	4,041	Homes
Home Energy Savings – Income Eligible Retrofits	2,009	49%	1,021	Homes
Multi-Family Energy Savings – Income Eligible	12,693	49%	Tenant Unit Direct Installation: 7,084 Site Assessments: 254 Building Upgrades: 1,524	Projects
Multi-Family Energy Savings – Public Housing	411	16%	Tenant Unit Direct Installation: 114 Site Assessments: 0 Building Upgrades: 140	Projects
Multi-Family Energy Savings – Market Rate	1,258	22%	Tenant Unit Direct Installation: 240 Site Assessments: 23 Building Upgrades: 45	Projects
Whole-Home Electric	586	7%	Single Family Homes: 21 Multi-Family Buildings: 0 Tenant Unit Conversions: 0	Projects

# Residential Implementation Programs

## Residential Channels Program Highlights

- **Retail (Market Rate and Income Eligible)** – As of the end of Q2, the Retail Program continues to see a strong performance from weatherization and lighting measures, heat pump dryers, dehumidifiers, and water dispensers. The strong performance may be attributed, in part, to the launch of new retailer agreements with Independent Hardware stores in income eligible communities, which added non-lighting product options to stores that had already been participating in the program with lighting products. Additionally, 9 Habitat Restore locations were added as participating retailers, increasing sales in income eligible communities. The program continues to host fruitful in-store engagement events and completed the first event in tandem with a kid's workshop at a Home Depot location in Chicago, where over 50 customers were engaged. The program hosted its most successful in-store engagement event to date at a Sam's Club location in Evanston, where over 120 customers were engaged. In addition to these items, the program also launched an improved, automated Find a Retailer Tool ([www.comed-findaretailer.com](http://www.comed-findaretailer.com)). Customers can use this tool to search for a participating retailer by location and/or product type via an interactive map.
- **Product Distribution (Market Rate and Income Eligible)**
  - **Food Bank Distribution** – The program has distributed approximately 1,670,000 products YTD, including over 1,600,000 ENERGY STAR certified lighting products plus 32,540 water-saving products, 9,642 advanced power strips, and over 13,100 weatherization measures. This activity occurred through 589 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 17 in-person events during Q2 where outreach staff interacted directly with customers about ways to save energy and an additional 9 events were supported as grab-and-go due to pantry space constraints. An educational outreach event held in early May in Rock Falls with representatives from 20 food pantries helped to illustrate the money and energy savings benefits available to patrons of these organizations located in the western part of the ComEd service territory.
  - **Income Eligible Kits** – Through the end of Q2, more than 28,000 energy saving kits were distributed to income eligible customers throughout the communities served by ComEd with 62% of these kits being funded through our joint partnership with the natural gas utilities. Participation remained strong during the first six months of this year, and this channel is well positioned to meet the 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.

# Residential Implementation Programs

- **School Kits** – Through the end of Q2, there were 7,436 jointly funded income eligible (IE) school kits and 11,787 jointly funded market rate (MR) school kits delivered to students. Registration for all except approximately 300 of the remaining 13,233 kits needed to meet this year's goal across both IE and MR classrooms has been completed for participation during the fall school term, with deliveries planned to resume in August.
- **Residential New Construction (Affordable Housing and Electric Homes)** – Through the end of Q2, Affordable Housing New Construction (AHNC) has enrolled 27 new projects and completed 7 projects with 247 income eligible units. Program staff attended educational industry events focused on expanding the offering to small, diverse, neighborhood-oriented developers: Baker Tilly DevelUP (presented with Diverse Developer Conference); CIC Chicago Neighborhood Forum; and the CNDAs. These resulted in new project leads to increase Naturally Occurring Affordable Housing enrollment. The Electric Homes New Construction (EHNC) offering completed 14 all electric homes in Q2. The 14 all-electric projects included 7 single family homes, 4 2-flat projects, 1 3-flat project, 1 4-flat project, and 1 accessory dwelling unit, totaling 23 all-electric units. The Q2 projects were completed by 8 different builders. The program offers yard signs and banners for completed projects to promote the program. Currently five-yard signs and two banners are deployed for completed projects. During Q2 the program became a member of the Southside Builders Association to access more events with local Chicago builders.
- **Heating and Cooling** – In Q2, the program continues to have a strong performance and the program processed 1,380 incentives which included 1,145 air source heat pumps, 227 mini split heat pumps and 8 geothermal heat pumps. Beginning in 2024, contractors who want to access heat pump incentives must complete required program training. By the end of Q2, a total of 423 contractor companies have completed heat pump training requirements that span 439 contractor locations. The list of contractors included in the Geothermal Energy Efficiency Service Provider (EESP) network has grown to 21 contractors.

# Residential Implementation Programs

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Retail – Market Rate	80,363	86%	Home Products: 1,016,354	Appliances
Retail – Income Eligible	95,162	72%	Home Products: 439,016 Lighting: 1,124,463	Appliances; Light Bulbs
Product Distribution – Market Rate	2,634	71%	11,787	School Kits
Product Distribution – Income Eligible	131,267	52%	1,708,643	Kits and Food Bank Measures
Residential New Construction – Affordable Housing	519	16%	7	Projects
Residential New Construction – All Electric	327	26%	27	Homes
Heating and Cooling – Midstream Heat Pump Rebates	12,487	57%	Air Source T1: 2,219 Air Source T2: 1,003 Mini-Split: 924 Geothermal Full Loop: 19 Geothermal Indoor replacement: 11	Units

# Residential Implementation Programs

## Residential Journey Coordination Program Highlights

- Home Energy Report** – During Q2, the Frequently Asked Questions (FAQ) page for Home Energy Reports was updated. In addition to reflecting the new ComEd branding, the FAQ includes the newest version of the report that was released in Q4 of 2023 and expanded the list of questions and answers. There has also been a Google Ad campaign to promote the information and tools available to customers to manage their energy through ComEd.com and MyAccount. The click-through rate for this campaign in Q2 averaged around 31%, which is a strong result. This campaign will continue for the remainder of the year to drive more customers to MyAccount.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Home Energy Report	50,031	51%	Home Energy Reports (print): 4,559,020 Home Energy Reports (email): 4,504,937 High Usage Alerts: 3,650,549 Weekly Usage Reports: 1,763,738	Reports and Alerts

# C&I Implementation Programs

## Business Program Highlights

- Small Business (Private and Public)** – In Q2, Small Business extended two limited time promotions including 30% additional incentives for projects completed in select communities and 15% additional incentives for all public sector customers. The two promotions can be stacked for 45% total additional incentives for public sector customers within select communities. Through Q2, \$3.64M additional incentives (36.4%) are for projects located within select/disadvantaged communities. A 3<sup>rd</sup> limited time promotion for 37 non-lighting incentives is in place for 6/17/2024 through 9/22/2024.
- Standard (Private and Public)** – In Q2, Standard closed out the preapplication deadline for the 15% additional incentives for projects in select communities. Despite the preapplication deadline of May 31 for the 15% additional incentives campaign, customers still have until September 30 to install their projects and submit their final applications to receive the 15% bonus incentive. The offering saw a large influx of applications in late Q4 2023 which helped build a strong pipeline of projects for Q1 and Q2 2024.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Small Business – Private	65,252	35%	1,931	Projects
Small Business – Public	7,766	16%	135	Projects
Incentives – Standard – Private	82,280	47%	880	Projects
Incentives – Standard – Public	9,354	26%	225	Projects

# C&I Implementation Programs

## Technical Program Highlights

- **Incentives – Custom** – The Custom team deployed one email blast to past participants to inform them of the June 30th additional incentives deadline. The email had an open rate of 52.59%. June was a strong month for new pre-applications from Energy Efficiency Service Providers (EESPs) and customers, with 21 new preapplications received in June (average 10 preapplications received in each month).
- **Retro-Commissioning (RCx)** – The program launched two customer-facing incentive promotions which ran from February 14 through May 31 to drive new applications or complete implementation during that period. During this timeframe, 17 new projects (7.8 GWh) were added to the pipeline and 32 projects (6.7 GWh) were implemented.
- **Industrial Systems (IS)** – The focus on select communities has resulted 100% growth as compared to 2023 Q2 with 85 projects completed at 6,737 net MWh savings. A focus on compressed air leak repair participants resulted in 25 new comprehensive study leads.
- **Strategic Energy Management (SEM)** – The SEM Team held the first-ever SEM Customer Summit in June, with 38 participating companies in attendance. This all-day event included 12 breakout sessions for participants to attend including; (i) clean energy opportunities presentation, (ii) customer panel (iii) various networking opportunities and (iv) the opportunity to hear from ComEd keynote speakers. Finally, six private sector customers and one public sector customer have joined the SEM cohorts.
- **C&I New Construction (CINC)** – The CINC team attended several events to promote the new construction program including Bisnow Multifamily Annual Conference Midwest (6/13) and REjournal Mid-Year Industrial Summit (6/20). To promote and capture more projects in fast-moving segments, CINC has completed warehouse segment email marketing campaigns in Q2. An email to past program participants in the warehouse segment was sent on 5/8, and a warehouse-direct email message was sent on 5/16. The 5/8 past participants email resulted in 10 responses and two potential projects. A similar effort is underway to duplicate an email campaign strategy for the Multifamily segment. Additionally, the CINC team is developing a video to promote the new construction program, with the current status being storyboard iteration. Also underway is a social media post to promote an upcoming Bisnow event being attended with ComEd. An application refresh is also underway for CINC, with updates to the first page of the application in progress. The team is also preparing energy modelling reports to be added to the website, which will be linked from the application.
- **Midstream/Upstream (Instant Discounts)** – Instant Discounts has sustained strong performance in all measure categories. To support the Instant Discount Distributor network, the offering team provided “marketing packs” for distributors. Marketing packs included co-branded program guides and 11”x17” ComEd branded Instant Discount posters.
- **Commercial Food Services (CFS)** – CFS launched a redesigned website in Q2 2024. The new web design has simplified navigation and includes clearly identifiable sections for customers and participating distributors. Members of the CFS Offering team attended the National Restaurant Associate conference held in Chicago and were able to meet with several participating distributors. The conference provided an opportunity to scope out potential

# C&I Implementation Programs

new measures and hear from industry leaders about new and growing trends. As anticipated due to seasonal fluctuation, Q2 participation was slow. However, savings targets are ahead of the remaining incentive budgets.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Incentives – Custom – Private	1,950	14%	26	Projects
Incentives – Custom – Public	710	38%	5	Projects
Retro-commissioning – Private	8,142	26%	65	Projects
Retro-commissioning – Public	4,078	24%	76	Projects
Industrial Systems	16,198	31%	186	Projects
Strategic Energy Management – Private	5,240	14%	156	Participating Customers
Strategic Energy Management – Public	148	2%	192	Participating Customers
C&I New Construction – Private	1,645	33%	13	Projects
C&I New Construction – Public	142	14%	1	Projects
Midstream/Upstream – Private	54,333	41%	340,139	Lighting products; battery chargers; HVAC, Fork Trucks
Midstream/Upstream – Public	11,859	49%	148,627	Lighting products; battery chargers; HVAC, Fork Trucks
Commercial Food Services - Private	601	42%	190	Units
Commercial Food Services - Public	24	33%	6	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 31.6 million pounds of carbon dioxide reduction or removing 3,194 passenger vehicles driven each year.

Program	Net MWh YTD	% Savings Achieved of YE Forecast	Program Participation YTD	Unit Definition
Voltage Optimization	42,812	36%	16 stations; 119 feeders	Stations Activated; Feeders Activated

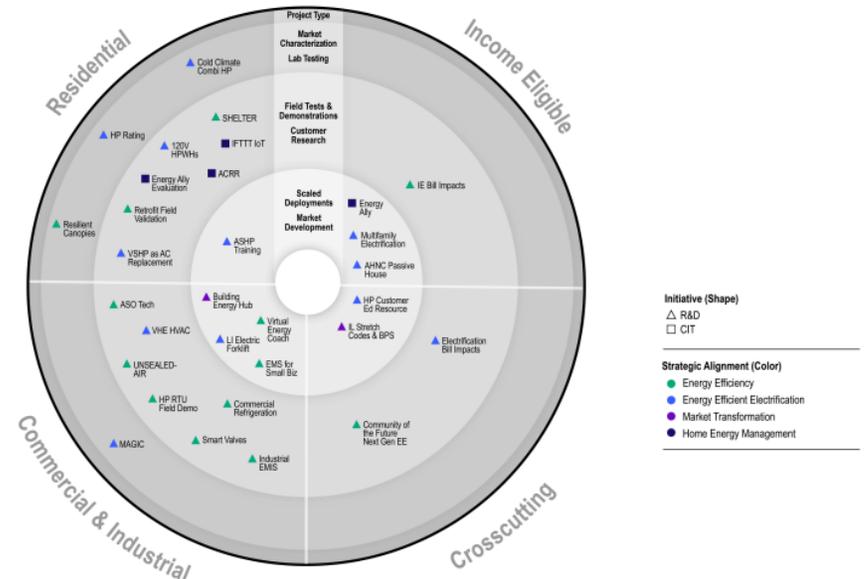
# Emerging Technologies and Market Transformation (“R&D”)

## 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 Q2



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

# Marketing Education & Awareness

## Marketing Education & Awareness Highlights

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

*Overview: The campaign promotes awareness of energy efficiency offerings for business customers. Customers were driven to [ComEd.com/PoweringBiz](https://www.comed.com/PoweringBiz) to learn more.*

- In-market: 1/10/24 - 6/30/24
- 2024 Q2 paid media consisted of:
  - Meta (Facebook Display, EN, CHI + ROK)
  - LinkedIn (Display, EN, CHI)
  - Nexxen Social Display (Display, EN, CHI + ROK)
  - Outdoor (Talon Expressways, EN, CHI)
  - Radio :30s (WBBM-AM, WSCR-AM Cubs, WMVP-AM White Sox/Bears, WLIT-FM)
  - TV, Non-Spot TV (NBCU Live Announcer Reads, EN, CHI)
- The campaign generated 7,519,312 total digital impressions as of June 30, 2024
  - Meta (Facebook Display, EN, CHI + ROK): 1,948,341
  - LinkedIn (Display, EN, CHI): 740,061
  - Nexxen Social Display (Display, EN, CHI + ROK): 4,830,910

### **Energy Efficiency Electrification (EEE) Business Campaign, 2024**

*Overview: This campaign builds business customer awareness of the benefits of making the switch to electric products and equipment. Customers were driven to [ComEd.com/CleanEnergy](https://www.comed.com/CleanEnergy) to learn more.*

- In-market: 3/11/24 - 6/2/24
- 2024 Q2 paid media consisted of:
  - Meta (Facebook Video, EN, CHI + ROK)
  - Nexxen CTV (EN, CHI + ROK)
  - Comcast Cable :30s (EN, CHI)
- The campaign generated 1,330,432 total digital impressions as of June 30, 2024
  - Meta (Facebook Video): 504,288
  - Nexxen CTV: 826,144

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

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

- In-market: 1/19/24 - 6/30/24
- 2024 Q2 paid media consisted of:
  - Meta (Facebook Video, EN, CHI + ROK)
  - Nexxen Social Display
  - Nexxen Digital Audio
  - Nexxen Digital Display
  - NBCU – Peacock+ (Large Screen CTV, EN, CHI + ROK)

# Marketing Education & Awareness

- Radio :30s and :5s, :10s, and :15s live reads (EN + ES, CHI + ROK)
- Comcast Cable :30s (EN, CHI)
- The campaign generated 14,193,411 total digital impressions as of March 31, 2024
  - Meta (Facebook Video): 1,623,299
  - Nexxen Social Display: 5,057,052
  - Nexxen Digital Audio: 538,457
  - Nexxen In App Display: 5,522,545
  - NBCU – Peacock+ (Large Screen CTV): 1,452,058

## **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 - 4/28/24
- 2024 Q2 paid media consisted of:
  - Radio :30s (EN, CHI + ROK)
  - Meta (Facebook Display, EN + ES, CHI)
  - Comcast :30s (EN, CHI)
  - TV :30s (EN, CHI)
- The campaign generated 4,196,199 total digital impressions as of June 30, 2024
  - Meta (Facebook Display): 4,196,199

# Stipulations

## Plan 6 Stipulations

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

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

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

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

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

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

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

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

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

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

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

## Q2 Updates

- **Metric 1:** During Q2 of 2024, ~94,000 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 63,712 LIHEAP customers and 18,488 PIPP customers in Q2
  - Supplemental Arrearage Reduction Program (SARP) customers receive Energy Efficiency information from ComEd packaged as Ways to Save
    - There were 14,684 SARP customers in Q2

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 Q2, customers who leveraged the ‘assistance finder’ functionality within SAM received referrals to/information about the following programs:

Programs	Sessions
Bill Payment Assistance	158
Budget Billing	91
Catch Up & Save	251
Credit Empowerment	10
DPA	2481
Due Date Extensions	1471
Fresh Start	64
Free Energy Savings Products	56
LIHEAP	251
Payment Arrangements	1836
Retail Discounts	198
SARP	1283
YNF	49

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

# Stipulations

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

Zip Code / Program	Number of Customers	Zip Code / Program	Number of Customers
<b>60409</b>	<b>148</b>	<b>60623</b>	<b>345</b>
bill-payment-assistance	2	bill-payment-assistance	8
Budget Billing	1	Budget Billing	5
catch-up-and-save	8	catch-up-and-save	12
Due Date Extensions	51	credit-empowerment	2
Free Energy Savings Produ	1	Due Date Extensions	105
lheappipp	5	Free Energy Savings Produ	6
Payment Arrangements	42	lheappipp	12
Retail Discounts	7	Payment Arrangements	116
SARP	31	Retail Discounts	13
<b>60419</b>	<b>36</b>	SARP	66
Budget Billing	1	<b>60624</b>	<b>188</b>
catch-up-and-save	1	bill-payment-assistance	3
Due Date Extensions	16	Budget Billing	6
Free Energy Savings Produ	1	catch-up-and-save	7
lheappipp	2	credit-empowerment	1
Payment Arrangements	9	Due Date Extensions	56
Retail Discounts	2	Free Energy Savings Produ	2
SARP	4	lheappipp	3
<b>60426</b>	<b>97</b>	Payment Arrangements	64
bill-payment-assistance	2	Retail Discounts	5
catch-up-and-save	4	SARP	35
credit-empowerment	2	<b>60628</b>	<b>128</b>
Due Date Extensions	32	bill-payment-assistance	5
Free Energy Savings Produ	1	Budget Billing	3
lheappipp	3	catch-up-and-save	4
Payment Arrangements	25	Due Date Extensions	35
Retail Discounts	3	Free Energy Savings Produ	1
SARP	25	lheappipp	4
<b>60428</b>	<b>2</b>	Payment Arrangements	50
Due Date Extensions	1	Retail Discounts	2
Payment Arrangements	1	SARP	24
<b>60472</b>	<b>11</b>	<b>60636</b>	<b>87</b>
Due Date Extensions	4	bill-payment-assistance	4
Payment Arrangements	5	Budget Billing	1
Retail Discounts	1	catch-up-and-save	4
SARP	1	Due Date Extensions	16
<b>60484</b>	<b>11</b>	Free Energy Savings Produ	1
bill-payment-assistance	2	lheappipp	5
catch-up-and-save	2	Payment Arrangements	36
Due Date Extensions	1	Retail Discounts	4
lheappipp	1	SARP	16
Payment Arrangements	2	<b>60637</b>	<b>149</b>
Retail Discounts	1	bill-payment-assistance	2
SARP	2	catch-up-and-save	8
<b>60619</b>	<b>190</b>	Due Date Extensions	46
bill-payment-assistance	8	Free Energy Savings Produ	2
Budget Billing	3	lheappipp	7
catch-up-and-save	9	Payment Arrangements	47
credit-empowerment	1	Retail Discounts	7
Due Date Extensions	49	SARP	30
Free Energy Savings Produ	2	<b>60644</b>	<b>244</b>
lheappipp	7	bill-payment-assistance	11
Payment Arrangements	59	Budget Billing	5
Retail Discounts	9	catch-up-and-save	9
SARP	43	Due Date Extensions	67
<b>60620</b>	<b>153</b>	Free Energy Savings Produ	4
bill-payment-assistance	2	lheappipp	8
Budget Billing	3	Payment Arrangements	76
catch-up-and-save	6	Retail Discounts	18
Due Date Extensions	50	SARP	46
Free Energy Savings Produ	1	<b>60649</b>	<b>47</b>
lheappipp	5	bill-payment-assistance	3
Payment Arrangements	51	Budget Billing	1
Retail Discounts	7	catch-up-and-save	2
SARP	34	Due Date Extensions	11
<b>60621</b>	<b>102</b>	lheappipp	4
bill-payment-assistance	4	Payment Arrangements	15
Budget Billing	2	Retail Discounts	2
catch-up-and-save	7	SARP	9
Due Date Extensions	27	<b>60827</b>	<b>62</b>
lheappipp	5	bill-payment-assistance	3
Payment Arrangements	30	catch-up-and-save	5
Retail Discounts	3	Due Date Extensions	13
SARP	24	Free Energy Savings Produ	1
		lheappipp	1
		Payment Arrangements	23
		Retail Discounts	2
		SARP	14

# Stipulations

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

Table 1

Income Eligible - Product Distribution Participation Counts - Q2 2024			
Service Zip Code	Customer Counts	Service Zip Code	Customer Counts
60016	2	60525	1
60025	1	60527	1
60073	2	60608	2
60089	1	60609	3
60153	2	60615	1
60154	1	60617	3
60162	1	60618	1
60169	1	60619	1
60176	1	60620	3
60201	1	60623	5
60202	1	60624	1
60302	1	60626	1
60402	2	60628	3
60409	1	60629	5
60415	2	60632	2
60419	1	60636	2
60426	2	60637	4
60438	1	60639	3
60456	1	60641	1
60457	1	60643	2
60458	2	60644	3
60462	1	60645	1
60463	1	60646	1
60466	1	60647	1
60467	1	60651	8
60471	1	60652	3
60477	2	60653	3
60478	1	60656	1
60482	1	60660	2
60487	1	60803	1
60513	2	60804	1

# Stipulations

Table 2

Income Eligible - Home Energy Assessments Participation Counts - Q2 2024											
Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts
60002	3	60108	1	60409	47	60478	23	60624	22	61071	1
60004	4	60112	1	60411	35	60480	1	60625	5	61072	1
60005	3	60118	2	60415	3	60481	2	60626	4	61073	1
60007	1	60119	1	60416	2	60483	1	60628	107	61081	3
60008	5	60120	1	60417	9	60484	8	60629	34	61085	1
60010	4	60123	5	60418	6	60487	3	60630	7	61101	4
60012	1	60124	4	60419	41	60490	2	60631	2	61102	3
60013	3	60126	1	60422	1	60491	3	60632	17	61103	4
60014	3	60130	3	60423	3	60501	2	60633	7	61104	3
60015	1	60131	5	60425	9	60502	3	60634	18	61107	9
60016	6	60133	10	60426	19	60503	1	60636	21	61108	2
60018	3	60135	2	60428	14	60504	7	60637	18	61109	4
60020	5	60137	1	60429	16	60505	8	60638	35	61111	2
60021	2	60139	5	60430	9	60506	12	60639	24	61114	4
60025	2	60140	3	60431	6	60512	1	60641	8	61115	3
60030	5	60142	5	60433	5	60513	3	60642	1	61252	1
60031	6	60145	1	60435	8	60515	3	60643	68	61318	1
60035	9	60146	1	60438	25	60516	4	60644	16	61353	1
60040	1	60148	6	60439	4	60517	3	60645	4	61364	4
60041	1	60150	1	60440	11	60525	8	60646	3	61764	2
60045	1	60152	1	60441	6	60527	2	60647	9		
60046	2	60153	8	60442	1	60532	3	60649	18		
60047	2	60154	3	60443	17	60534	2	60651	22		
60048	3	60155	4	60445	1	60538	4	60652	44		
60050	4	60156	2	60446	14	60542	4	60653	9		
60051	1	60160	5	60447	2	60543	8	60655	26		
60053	4	60162	9	60448	5	60544	5	60656	7		
60056	7	60163	1	60449	2	60546	2	60657	1		
60061	2	60164	5	60450	1	60548	2	60659	3		
60062	6	60165	1	60451	4	60554	1	60660	2		
60064	5	60169	3	60452	16	60555	1	60706	6		
60067	3	60172	6	60453	18	60559	2	60707	12		
60070	1	60173	1	60455	1	60560	4	60712	7		
60071	1	60174	3	60456	3	60561	4	60714	8		
60073	5	60176	5	60457	3	60586	3	60803	6		
60074	3	60177	1	60458	2	60605	2	60804	12		
60076	4	60181	4	60459	6	60607	1	60805	8		
60077	5	60185	3	60461	4	60608	6	60827	26		
60084	1	60188	2	60462	7	60609	4	60901	9		
60085	3	60189	4	60463	7	60610	2	60914	4		
60089	5	60190	1	60464	1	60611	4	60915	1		
60090	3	60191	2	60465	1	60612	3	60950	1		
60091	3	60192	2	60466	21	60613	1	60954	2		
60096	3	60193	2	60467	5	60614	2	61001	1		
60097	1	60194	4	60468	2	60615	3	61016	1		
60098	2	60201	6	60469	4	60616	1	61019	1		
60099	11	60202	1	60471	9	60617	75	61021	5		
60101	3	60304	1	60472	2	60618	5	61024	1		
60102	2	60305	2	60473	32	60619	85	61032	5		
60103	5	60402	9	60474	1	60620	88	61060	1		
60104	17	60403	21	60475	4	60621	30	61061	1		
60106	5	60404	4	60476	2	60622	3	61062	1		
60107	6	60406	4	60477	9	60623	16	61065	2		

Table 3

Income Eligible - Single Family Retrofits Participation Counts - Q2 2024					
Service Zip Code	Customer Counts	Service Zip Code	Customer Counts	Service Zip Code	Customer Counts
60002	1	60445	1	60445	7
60004	1	60446	3	60639	4
60015	1	60449	1	60641	1
60016	1	60451	1	60643	10
60047	1	60452	3	60644	2
60053	1	60453	2	60646	2
60060	1	60455	1	60649	5
60077	1	60457	2	60651	1
60085	3	60459	1	60652	7
60087	1	60461	4	60653	2
60101	1	60463	3	60655	1
60103	1	60464	1	60706	1
60104	8	60466	6	60707	1
60106	1	60467	1	60714	1
60123	1	60471	1	60803	2
60126	1	60472	1	60804	8
60130	1	60473	11	60805	3
60133	3	60477	4	60827	7
60139	2	60478	6	60901	5
60148	1	60482	1	60914	2
60152	1	60484	3	61032	1
60153	4	60487	3	61048	1
60154	5	60503	1	61061	1
60155	2	60504	1	61068	1
60160	1	60505	1	61061	1
60162	2	60506	2	61102	1
60169	1	60515	1	61104	1
60176	1	60516	2	61107	3
60181	1	60521	2	61764	1
60185	1	60527	1		
60193	1	60534	2		
60402	3	60538	3		
60403	7	60543	1		
60404	2	60554	1		
60406	1	60555	1		
60409	8	60561	1		
60411	8	60586	1		
60415	1	60608	3		
60419	12	60609	2		
60422	3	60615	2		
60423	1	60617	12		
60424	1	60619	4		
60425	2	60620	19		
60426	4	60623	1		
60428	2	60624	1		
60429	6	60628	9		
60430	2	60629	13		
60435	1	60630	2		
60436	1	60632	3		
60438	6	60633	2		
60440	4	60634	3		
60441	4	60636	7		
60443	4	60637	2		

# Stipulations

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

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

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

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

## Q2 Updates

- In Q2, the Targeted Hardship Customers email campaign was distributed to 213,334 customers, resulting in 93,315 opens, 43.74% open rate, 1,610 click-throughs, 0.76% CTR, and 2.23% click-to-open rate. For June, the email series was sent to 25,820 customers in the top 20 disconnect zip codes. For social media, targeted English and Spanish social media message on Home Energy Savings yielded a total reach/impressions of 1,357,703, cultivating a total of 3,267 link

# Stipulations

clicks by customers. The following table (Table 4) includes the list of historical top 20 zip codes to receive disconnections and the year-to-date participation in the various income eligible Energy Efficiency programs.

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	7,004	17	3,270	5,330	27	75	10,301	5,422
60419	Dolton	15,352	18	910	2,612	1	8	16,263	2,638
60426	Harvey	5,059	10	2,335	8,093	0	0	7,394	8,103
60428	Markham	1,952	7	163	279	0	0	2,115	286
60472	Robbins	2,732	3	54	68	0	0	2,786	71
60484	University Park	377	3	339	1,212	0	0	716	1,215
60619	Chicago	12,956	32	4,513	14,285	54	7,912	17,523	22,229
60620	Chicago	13,470	56	12,082	11,511	46	434	25,598	12,001
60621	Chicago	0	1	4,833	16,718	0	27	4,833	16,746
60623	Chicago	511	4	3,576	11,442	3	79	4,090	11,525
60624	Chicago	1,984	6	2,973	9,521	11	118	4,968	9,645
60628	Chicago	15,647	42	5,518	18,120	5	59	21,170	18,221
60636	Chicago	5,016	13	2,378	7,780	3	19	7,397	7,812
60637	Chicago	1,081	3	3,499	11,166	63	475	4,643	11,644
60644	Chicago	5,191	15	2,210	6,806	28	199	7,429	7,020
60649	Chicago	3,615	8	1,943	5,637	79	650	5,637	6,295
60827	Riverdale	5,572	9	1,039	3,213	58	1,571	6,669	4,793
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

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.

## Q2 Updates

- In Q2 2024, ComEd completed the modeling of customer electrification bill impacts. Initial results show some potential for overall customer bill reduction through electrification in certain use cases. The team is now using these modeling results to develop case studies to determine which customer applications are a best fit for electrification approaches. The team is also working to incorporate the modeling results into both the Go-Electric and Whole Home Electrification websites. Additionally, the team is recruiting participating single-family and multi-family Whole Home Electrification customers to install additional temporary monitoring equipment to verify the bill impacts model.

**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.

## Q2 Updates

- In Q2, 120 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

# Stipulations

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

## Q2 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 Q2, ComEd has been coordinating with ICC staff, the newly elected IQ-N LT, and the proposed facilitator on a new SOW.

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

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

## Q2 Updates

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

In Q2, the Multi-Family Energy Savings program served verified income eligible (IE) and public housing (PH) multi-family properties in 151 unique zip codes throughout ComEd’s service territory. In total, 1664 IE and PH buildings participated with 45,414 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 Q2 of 2024.
  - *# of Apartment Units:* Units served by the offering in Q2 of 2024.

# Stipulations

Table 5

Zip Code	# of Building Participants (Income-Eligible)	# of Apartment Units Served (Income-Eligible)	# of Building Participants (Public Housing)	# of Apartment Units Served (Public Housing)
60007	0	0	0	0
60016	50	381	0	0
60025	2	85	0	0
60035	0	0	0	0
60056	16	523	0	0
60085	4	112	0	0
60088	1	813	0	0
60096	1	12	0	0
60099	7	219	0	0
60104	4	21	0	0
60115	16	432	3	253
60120	2	12	0	0
60130	0	0	0	0
60137	10	130	0	0
60139	2	12	0	0
60153	2	12	0	0
60155	10	74	0	0
60164	3	129	0	0
60173	0	0	0	0
60176	0	0	0	0
60178	3	28	2	100
60181	24	350	0	0
60187	0	0	0	0
60188	0	0	0	0
60193	1	6	0	0
60201	7	426	1	201
60202	4	110	0	0
60301	1	35	0	0
60302	21	741	0	0
60304	7	166	0	0
60402	6	65	0	0
60406	0	0	0	0
60409	6	75	0	0
60411	17	1,314	0	0
60419	1	4	0	0
60435	13	586	0	0
60438	26	426	0	0
60443	0	0	0	0
60449	0	0	0	0
60452	4	130	0	0
60464	1	81	0	0
60466	126	776	0	0
60471	3	14	0	0
60504	0	0	0	0
60505	10	36	0	0
60506	3	32	0	0
60517	11	70	0	0
60546	2	31	0	0
60548	3	12	0	0
60561	0	0	0	0

Table 5, continued

60605	1	80	0	0
60608	25	3,897	17	235
60609	2	7	1	12
60612	32	466	0	0
60615	60	1,623	1	1
60616	12	2,314	3	566
60617	16	153	0	0
60618	12	165	0	0
60619	84	303	0	0
60620	38	625	0	0
60622	0	0	3	274
60625	7	81	0	0
60626	32	893	0	0
60628	25	110	0	0
60629	32	579	0	0
60630	1	81	0	0
60632	6	45	0	0
60634	2	133	0	0
60636	6	38	0	0
60637	27	706	1	165
60638	5	131	0	0
60639	10	306	0	0
60640	15	585	0	0
60643	3	13	0	0
60644	23	539	0	0
60645	14	755	0	0
60647	3	462	0	0
60649	54	1,339	1	51
60651	6	63	0	0
60653	12	794	2	155
60659	5	82	0	0
60660	36	1,672	1	139
60707	3	10	0	0
60803	70	333	0	0
60804	19	243	0	0
60827	6	30	1	1,541
60915	1	107		
61008	0	0	0	0
61104	8	268	19	196
61107	4	20	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	1	60	0	0
60077	3	102	0	0
60083			0	0
60087	11	381	0	0
60090	3	16	0	0

# Stipulations

Table 5, continued

60101	22	654	0	0
60106	0	0	0	0
60110	1	101	0	0
60118	0	0	0	0
60131	0	0	0	0
60152	0	0	0	0
60160	2	16	0	0
60169	22	1,021	0	0
60171	-	-	0	0
60177	9	72	0	0
60185	0	0	0	0
60305	0	0	0	0
60426	0	0	0	0
60403	6	229	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	11	88	0	0
60459	0	0	0	0
60465	1	3	0	0
60468	1	16	0	0
60472	0	0	0	0
60475	0	0	0	0
60481	1	3	0	0
60515	0	0	0	0
60525	0	0	0	0
60526	0	0	0	0
60532	0	0	0	0
60534	2	6	0	0
60538	0	0	0	0
60543	2	60	0	0
60544	0	0	0	0
60545	0	0	0	0
60555	0	0	0	0
60556	0	0	0	0
60559	1	150	0	0
60607	0	0	0	0
60610	10	628	0	0
60613	10	637	3	357
60614	0	0	0	0
60621	8	105	0	0
60623	9	79	0	0
60624	7	118	1	149
60631	1	84	0	0
60633	2	8	0	0
60641	16	373	0	0
60655	1	78	0	0
60656	0	0	0	0
60714	0	0	1	127
60901	7	153	0	0
60950	24	90	0	0
61010	1	4	0	0
61021	2	28	1	2
61012	0	0	0	0
61032	1	3	0	0
61073	0	0	0	0
61081	0	0	0	0
61101	11	55	1	150
61103	7	168	0	0
61108	7	74	0	0
61109	4	21	0	0
61111	4	132	0	0
61114	2	12	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	5	503	0	0
60020	0	0	0	0
60123	6	250	0	0
60126	0	0	0	0
60520	0	0	3	12
61310	0	0	10	10
60070	2	52	0	0
60416	1	24	0	0
60430	1	198	0	0
60652	2	24	0	0
60431	1	3	0	0
60002	0	0	48	48
60004	1	6	0	0
60031	0	0	4	51
60033	1	80	0	0
60044	3	200	0	0
60050	2	80	0	0
60062	4	168	0	0
60067	17	628	0	0
60091	1	43	0	0
60133	7	42	0	0
60404	1	41	0	0
60415	2	15	0	0

Table 5, continued

60610	10	628	0	0
60613	10	637	3	357
60614	0	0	0	0
60621	8	105	0	0
60623	9	79	0	0
60624	7	118	1	149
60631	1	84	0	0
60633	2	8	0	0
60641	16	373	0	0
60655	1	78	0	0
60656	0	0	0	0
60714	0	0	1	127
60901	7	153	0	0
60950	24	90	0	0
61010	1	4	0	0
61021	2	28	1	2
61012	0	0	0	0
61032	1	3	0	0
61073	0	0	0	0
61081	0	0	0	0
61101	11	55	1	150
61103	7	168	0	0
61108	7	74	0	0
61109	4	21	0	0
61111	4	132	0	0
61114	2	12	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	5	503	0	0
60020	0	0	0	0
60123	6	250	0	0
60126	0	0	0	0
60520	0	0	3	12
61310	0	0	10	10
60070	2	52	0	0
60416	1	24	0	0
60430	1	198	0	0
60652	2	24	0	0
60431	1	3	0	0
60002	0	0	48	48
60004	1	6	0	0
60031	0	0	4	51
60033	1	80	0	0
60044	3	200	0	0
60050	2	80	0	0
60062	4	168	0	0
60067	17	628	0	0
60091	1	43	0	0
60133	7	42	0	0
60404	1	41	0	0
60415	2	15	0	0

# Stipulations

Table 5, continued

60415	2	15	0	0
60462	1	3	0	0
60527	1	14	0	0
60560	1	15	0	0
61048	4	50	0	0
61062	1	6	0	0
61087	0	0	1	4

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

In Q2, the Multi-Family Energy Savings program allocated \$9,199,854 in ComEd incentives for efficiency upgrades within income eligible and public housing buildings and achieved 13,103 net MWhs and 90,994 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	\$8,779,077	\$4,878,978	12,693	90,994
Public Housing	\$420,777	\$166,216	410	0
<b>Total</b>	<b>\$9,199,854</b>	<b>\$5,045,193</b>	<b>13,103</b>	<b>90,994</b>

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

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

## Q2 Updates

- Year to date, ComEd has utilized 26 diverse prime contractors (Tier 1) and 57 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	\$13,556,295	7
WBE	\$16,757,970	16
MWBE	\$20,000	1
VOSB	\$1,562,405	2
<b>Total</b>	<b>\$31,896,670</b>	<b>26</b>

Table 8

Tier 2 Diverse Category	Spend	# of Vendors YTD
MBE	\$5,206,452	21
WBE	\$7,707,783	31
VOSB	\$2,385,131	5
<b>Total</b>	<b>\$15,299,366</b>	<b>57</b>

• **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

# Stipulations

- **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.

- 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)

## Q2 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*

<b>Number of Properties Assessed with H&amp;S Issues Identified (YTD)</b>		
<b>Program</b>	<b>Number of Properties Assessed</b>	<b>Properties with Health and Safety Issues Identified</b>
<b>Home Energy Savings</b>	1,092	737
<b>Multi-Family Energy Savings</b>	888	167
<b>Whole Home Electric</b>	89	48

Types of issues identified and addressed include:

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

# Stipulations

- Other

Table 10

<b>Health and Safety Related Deferrals*</b>	
<b>Home Energy Savings</b>	24
<b>Multi-Family Energy Savings</b>	0
<b>Whole Home Electric</b>	435

\*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

<b>Health and Safety Related Spend YTD*</b>	
<b>Home Energy Savings</b>	\$1,915,296
<b>Multi-Family Energy Savings</b>	\$2,626,472
<b>Whole Home Electric</b>	\$293,973

\*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.

## Q2 Updates

ComEd's Market Development Initiative (MDI) offers the resources and training needed to become part of the growing and rewarding energy efficiency field. For individuals, entrepreneurs, contractors, vendors and service organizations, this initiative helps build a local, diverse workforce to deliver energy efficiency opportunities to our communities. The MDI website (ComEd.com/MDI), an informational resource, was released early Q2. On June 27, MDI completed its first Skilled Cohort of trainees graduating 13 participants. All participants successfully earned 3 Building Professional Institute (BPI) certifications needed for energy efficiency improvements. The MDI team continues to work with Community-based Organizations (CBOs) who share information on MDI in the communities they serve plus help provide wraparound services needed to eliminate the barriers to participating

in training. Many community events were attended by MDI team members in Q2, sharing information about MDI and how it benefits our communities.

# 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.

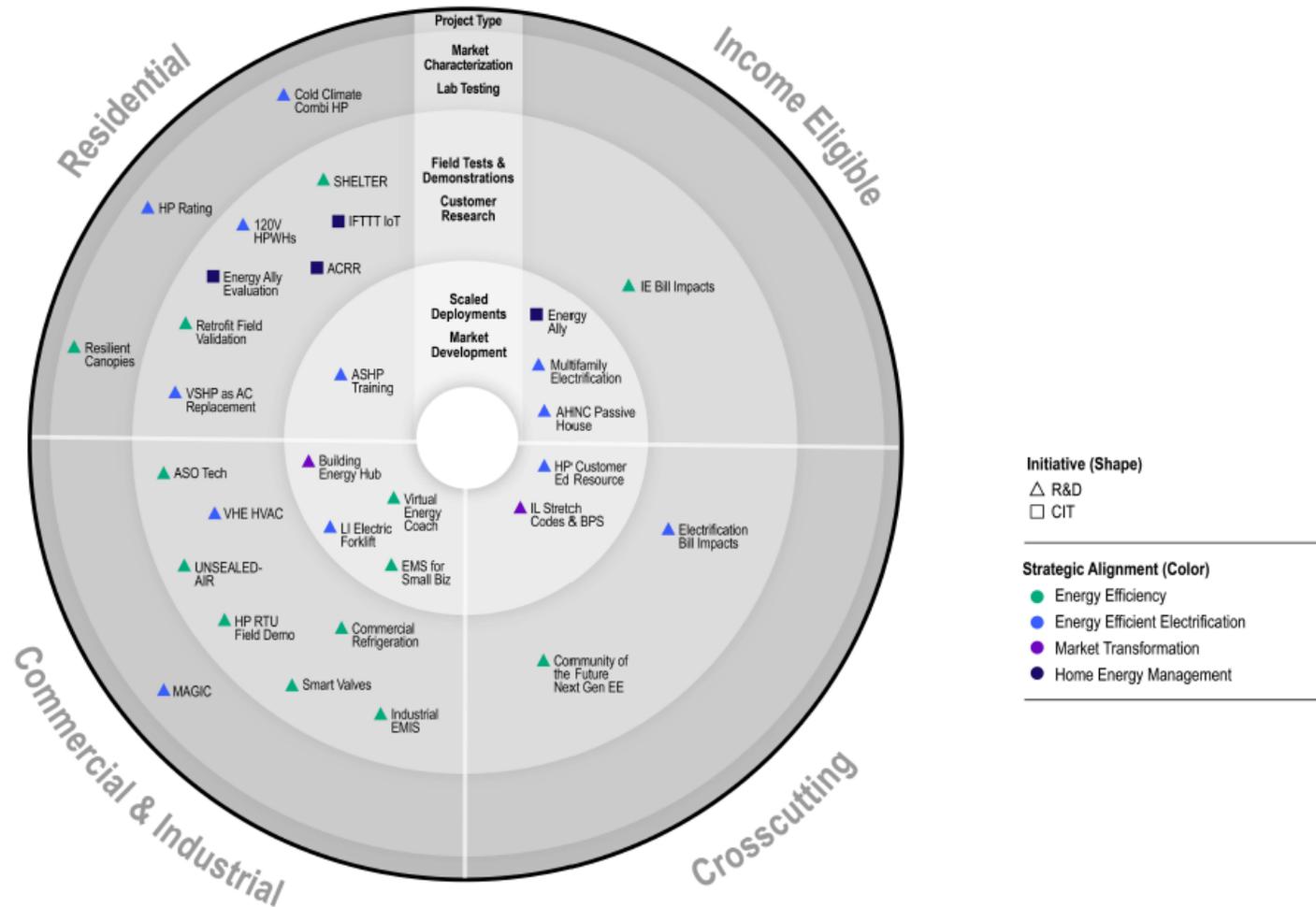
## Voltage Optimization

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

# Appendix: Customer Innovation/R&D Summary

## ComEd Customer Innovation Portfolio Summary 2024 Q2



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

# Appendix: Customer Innovation/R&D Summary

Project	Work Description	Partners	Project Type	Customer Segment	End Date	Status Update
<b>Scaled Deployments &amp; Market Adoption</b>						
Affordable Multifamily Electrification	Investigating energy savings, installation barriers and costs, and customer experience of whole-home electrification.	Slipstream	Scaled Deployment	Income Eligible	2025 Q2	The project team worked with property staff to address in situ DHW plumbing system issues that are necessitating the use of electric resistance mode in a subset of the newly installed HPWHs. The project team decided to extend the post-installation monitoring period into Q1 of 2025 to ensure we can capture the HPWH system operation once fully online. The project team will deliver an interim report in August 2024 and a final report in Q2 2025.
Building Energy Resource Hub	A hub providing training and resources to customers and stakeholders across the region to support meeting aggressive climate action goals, improve building performance, and building an inclusive green economy.	Illinois Green Alliance	Market Development	Commercial and Industrial	2025 Q2	Program staff worked with ComEd staff and trade allies to identify speakers for a webinar series launching later in Q3 to promote ComEd programs and showcase building case studies. Staff is participating in an initiative led by AEG and BOMA Chicago, that includes staff from ComEd and Building Energy Resource Hub, to develop a set of recommendations for Large Building Decarb Financing needs.
Energy Ally	Provides customers with an in-home display that communicates real-time, actionable energy use information, including energy prices, budget trends, and weather.	The Will Group, Calico, Eire Direct Marketing, Prism	Scaled Deployment	Income Eligible	2024 Q4	Based on low enrollment, leadership decided that this pilot will sunset at the end of 2024. Initial communications were developed with marketing and sent out. An evaluation project was launched in Q2 to conduct an impact evaluation and measure the cost-effectiveness of the program.
Energy Management Systems (EMS) for Small and Medium Business	Testing a two-tiered energy management system (EMS) offering for small business customers.	Resource Innovations	Scaled Deployment	Commercial and Industrial	2024 Q4	Lighting controls were installed and post-installation inspections were completed at the second customer site. The project team conducted interviews with service providers and customers to collect feedback on their experience with the pilot and on barriers to participation.
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 continued to work through 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 Q4	Slipstream worked closely with Guidehouse to develop the Evaluation Plan and finalize the Energy Saving Framework (ESF) for stretch code advancement and compliance improvement. In June, the project team presented the ESF package and evaluation plan at the IL MT SAG meeting and asked for feedback from SAG. The SAG review is a major step in this MT program development and implementation. No feedback was received; going forward work will include coordination with existing New Construction programs.
Lithium-Ion Electric Forklift Case Studies	Creating real-world case studies for use in future promotional efforts.	DNV	Market Development	Commercial and Industrial	2024 Q4	Customers were recruited and onsite energy monitoring is underway for development of case studies.
Passive House Affordable Housing New Construction (AHNC) Portfolio Integration Pilot	Integration of a PHUS+ incentive tier into the Affordable Housing New Construction offering.	Slipstream	Market Development	Income Eligible	2026	Six projects are underway; three currently forecasted to complete in 2024, two in 2025, one in 2026.
Virtual Energy Coach	Testing the deployment of a virtual engagement framework to identify customized, site-specific recommendations to commercial customers.	Power TakeOff	Scaled Deployment	Commercial and Industrial	2025 Q4	Project kicked off this quarter, and project team began pilot recruitment efforts with commercial customers. Project team is currently finalizing marketing materials to facilitate recruitment efforts.

# Appendix: Customer Innovation/R&D Summary

Customer Research, Field Tests & Demonstrations						
120V HPWH Field Demonstration	Testing the 120V HPWH in ComEd customer homes to understand installation experience, resident experience/satisfaction, and the equipment's performance through data monitoring.	Slipstream	Field Tests & Demonstrations	Residential	2024 Q4	The project team administered follow-up surveys with participating customers to hear about their experience to date with the 120V HPWHs and is continuing to monitor performance data from the units installed.
Automated Carbon Reduction Reporting (ACRR)	The ACRR project built on the "If This Then That" (IFTTT) Internet of Things (IoT) program, which utilizes optimization applets to enable load shifting in response to real-time price signals and/or carbon signals.	WattTime, Calico	Field Tests & Demonstrations	Residential	2024 Q2	Based on low enrollment, leadership decided to sunset this project. The final report was sent to customers in June 2024. The ComEd team worked with the vendor teams to transfer all relevant data and information architecture to ComEd so that, should there be a desire to restart these reports in the future, ComEd would be able to send those without an external vendor.
Energy Ally Savings Evaluation and Program Transition Plan	Evaluation of savings and final report for the Energy Ally pilot.	Apex Analytics	Field Tests & Demonstrations	Residential	2024 Q4	Project kicked off at the end of the quarter. The project team has submitted an initial data request to ComEd.
Commercial Automated System Optimization (ASO) Technology	Use of AI-based tools to optimize energy usage in commercial buildings through automated real-time management of energy-using systems.	Hank, Resource Innovations	Field Tests & Demonstrations	Commercial and Industrial	2025 Q1	The project team successfully integrated the new software to the existing building system controls and occupancy sensors have been installed on some floors to test effectiveness in reducing energy usage. M&V will begin in Q3 and continue into Q1 2025.
Commercial Refrigeration Controls	Testing novel advanced controls for large refrigeration systems in real-world conditions.	Slipstream	Field Tests & Demonstrations	Commercial and Industrial	2024 Q4	Slipstream QC'd and analyzed data for two sites, and is waiting for more data to finalize the analysis for a third site. Data collection is still being coordinated for a fourth site, while the pilot agreement discussions are progressing for a fifth site. Overall, the projects are on track and following the proposed timeline.
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. The team is working on getting an estimation for upgrading the building.
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 (1) documented the planned approach for updating the bill impacts calculator for 2024, including using updated rates, and (2) documented the planned process for disseminating the calculator updates to relevant program and implementation teams. The team also started updating the calculator.
Heat Pump Rooftop Unit Field Demonstration	Testing the system performance and customer experience of heat pump rooftop units in commercial sites in the ComEd service territory.	Center for Energy and Environment	Field Tests & Demonstrations	Commercial and Industrial	2025 Q3	Project team had ComEd review their site selection criteria and ensure that the full weather variations can be captured during site monitoring. The project team also created outreach materials for customer recruitment
"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 Q3	The project team started a new phase of work to analyze the IFTTT pilot participant responses from the survey fielded by ComEd in 2023, and to develop a final report documenting the comprehensive set of results from the IFTTT pilot. Continued collaborative conversations are ongoing to discuss project transition and best practices to ensure successful transition.
Income Eligible Weatherization Bill Impacts - Phase 2	Creating tools to support weatherization participant outcomes.	Internal	Customer Research	Income Eligible	2024 Q4	The R&D team is working with ComEd data team on strategy and scoping for tool development.
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 Q2	The projects completed and will be evaluated; savings expected to be claimed for 2024 program year by Industrial Systems program

# Appendix: Customer Innovation/R&D Summary

Non-invasive Scanning for Envelope Assessments with LIDAR Enhanced Diagnostics and Air Infiltration Results (UNSEALED-AIR)	Developing and testing a machine learning model to diagnose air leakage accurately across various construction conditions, materials, means and methods with a non-invasive diagnostic tool that combines thermal imaging and LIDAR (light detection and ranging).	GTI Energy, Hearth Labs, Department of Energy	Field Tests & Demonstrations	Commercial and Industrial		The R&D 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.	Stipstream	Field Tests & Demonstrations	Commercial and Industrial	2025 Q3	Final report for pre-retrofit is under review. Post retrofit studies and measurements underway.
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, Stipstream, 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	This is an opportunity to provide additional support for a DOE-funded project being led by GTI. It will be testing an ASHP that provides heating, cooling, and hot water. The goal of the project is to demonstrate that the technology, along with weatherization/envelope improvements, can be a successful electrification strategy that does not require electrical panel upgrades beyond 100A in low-rise, IE 2-unit buildings.	Frontier Energy, GTI Energy	Field Tests & Demonstrations	Residential	2025	ComEd is considering its potential role as a partner on this project.
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 Q4	Monitoring continued at three ongoing sites, while two additional sites participating have experienced delays related to installation and contractor challenges, but issues are currently being resolved. The project team also continues to engage with participants to understand energy usage and troubleshoot equipment issues.
<b>Market Characterization and Lab Testing</b>						
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	Research for this study is ongoing and ComEd's role has been limited to date.
Heat Pump Rating Representativeness	Research partnership to improve standardized performance testing for heat pumps.	Northeast Energy Efficiency Partnerships	Lab Testing	Residential	2024 Q3	This nationally-involved effort was in reporting. The funders reviewed the draft report and the updated final report is coming soon.
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	The project team is currently working with ComEd to identify suitable sites to participate in this project. Once sites are identified, the next step will be to schedule installations and begin M&V.
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	Research completed and a final report is being created.

# Appendix: Corrections

## Corrections to ComEd's CY2024 First Quarter Report

- On page 5, the YTD total for the Home Energy Savings – Income Eligible Retrofits program was erroneously reported as 2,568 net MWh with a 50% savings achievement of YE forecast. The correct numbers are 905 net MWh YTD with an 18% savings achievement of YE forecast. The totals in this report now correctly reflect YTD savings totals through Q2.