

ComEd Summary Impact Evaluation Report

Energy Efficiency/Demand Response Plan:
Program Year 2024 (CY2024)
(1/1/2024-12/31/2024)

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Table of Contents

1. Introduction	1
2. Portfolio Savings.....	3
2.1 Annual Savings	3
2.2 Cumulative Persisting Annual Savings (CPAS)	5
2.2.1 Other Fuel (Gas + Propane) Savings	6
2.2.2 Electrification Savings.....	6
2.2.3 Legacy Savings	7
2.2.4 Historical Savings	7
2.2.5 Expiring Savings	7
2.2.6 Total Savings	8
2.2.7 Applicable Annual Incremental Goal (AAIG).....	8
2.2.8 Applicable Annual Total Savings (AATS)	9
2.3 Weighted Average Measure Life	22
3. Savings by Program.....	24
4. Savings by Measure.....	29
5. Total Resource Cost Savings and Lifetime Savings Summary.....	33
6. High Impact Measures of CY2024.....	35

List of Tables, Figures, and Equations

Figure 2-1. Annual Incremental Electric Savings by Sector	5
Figure 3-1. Net Energy Savings by Program – Electric Only	27
Figure 4-1. Net Energy Savings by End-use Type – Electric Only	30
Table 1-1: ComEd CY2024 Energy Efficiency Programs.....	2
Table 2-1: Total Annual Savings Achieved vs Counted	3
Table 2-2: Total Annual Savings Towards Goal	4
Table 2-3: Total Annual Incremental Savings.....	5
Table 2-4: CPAS by Program – Electric Direct	10
Table 2-5: CPAS by Program – Other Fuel	12
Table 2-6: CPAS from Other Fuel Counting Toward ComEd Goal	14
Table 2-7: Measure List and Savings from Other Fuel Counting Toward ComEd Goal	15
Table 2-8: CPAS from Electrification Counting Toward ComEd Goal-Program Level.....	15
Table 2-9: CPAS from Electrification Counting Toward ComEd Goal-IE vs Non-IE	17
Table 2-10: Measure List and Savings from Electrification Counting Toward ComEd Goal	17
Table 2-11: Total CPAS Counting Toward ComEd Goal– Electric Direct + Other Fuel Counted + Electrification Counted	20
Table 2-12: WAML and Verified Gross Savings by Program	23
Table 3-1: Energy Savings by Program – Electric Only	24

Table 3-2: Energy Savings by Program – Total Electric + Converted Other Fuel + Electrification	25
Table 3-3: Income Eligible Energy Savings – Total Electric + Converted Other Fuel + Electrification	25
Table 3-4: Carryover Energy Savings by Program	26
Table 3-5: Summer Peak Demand Savings by Program	26
Table 3-6: Comparing Electric Savings Goals to Actual Achieved by CY2024 Program	27
Table 4-1: Energy Savings by Measure Category – Electric Only.....	29
Table 4-2: Summer Peak Demand Savings by Measure Category.....	29
Table 4-3: Energy Savings by Measure Category and Sector	31
Table 4-4: Secondary Energy Savings from Water Reduction by Measure – Electric Only.....	32
Table 5-1: Verified First Year and Lifetime Savings and Acquisition Costs – Electric Only	33
Table 5-2: Total Resource Cost Savings Summary.....	34
Table 6-1: Summary Table of CY2024 High Impact Measures – Business Gross Impact.....	35
Table 6-2: Summary Table of CY2024 High Impact Measures – Business Net Impact.....	36
Table 6-3: Summary Table of CY2024 High Impact Measures – Residential Gross Impact	37
Table 6-4: Summary Table of CY2024 High Impact Measures – Residential Net Impact	38
Table 6-5: Summary Table of CY2024 High Impact Measures – Income Eligible Gross Impact	39
Table 6-6: Summary Table of CY2024 High Impact Measures – Income Eligible Net Impact ..	40
Equation 2-1. Incremental Expiring Savings.....	7
Equation 2-2. Applicable Annual Incremental Goal (AAIG).....	9
Equation 2-3. Applicable Annual Incremental Goal Achieved	9
Equation 2-4. Applicable Annual Incremental Goal (AATS).....	9
Equation 2-5. Portfolio Level WAML Calculation	22
Equation 2-6. Program Level WAML Calculation.....	22

1. Introduction

This Summary Impact Evaluation Report presents the results of the impact evaluation of ComEd's Program Year 2024 (CY2024) slate of energy efficiency programs offered under the Energy Efficiency Portfolio Standard (EEPS) umbrella. The report summarizes program and portfolio energy and demand savings and provides some measure-specific saving detail. CY2024 covers January 1, 2024, through December 31, 2024.

In CY2024, ComEd's portfolio evaluation included 19 programs, including seven Business, nine Residential/Income Eligible (RES/IE), and one cross-cutting program (Voltage Optimization), as listed in Table 1-1.

This summary report contains program savings that ComEd can claim for CY2024 including

- Savings from efficient measures, including direct efficiency kWh savings from non-electrification and electrification measures,
- Net electrification savings from increase in kWh consumption and decrease in gas consumption from electrification (kWh equivalent) that ComEd can claim toward its goal,
- Reduction in water usage that produces secondary kWh savings from water supply and wastewater treatment,
- Gas savings in therms converted to kWh that ComEd can claim toward its goal,
- Electric heating penalties that have been applied against the total kWh savings,
- The portion of savings realized from the income eligible sector (non-electrification and electrification measures).
- Purchased kWh savings from Nicor Gas' Air Sealing and Insulation (ASI) offering.

Process evaluation findings and results of net-to-gross research are presented in separate reports.

Five programs had carryover savings from measures sold or incented in CY2022 and CY2023 that were installed in CY2024. The programs are Midstream/Upstream, Small Business, Retail/Online, Product Distribution, and Single Family Upgrades.

This report includes five programs that ComEd implemented jointly or coordinated with Nicor Gas Company, Peoples Gas Light and Coke Company ("PGL") and North Shore Gas Company ("NSG"). These were Single Family Upgrades, Multi-family Upgrades, New Construction - Bus/Pub, New Construction - IE, and Targeted Systems.

Table 1-1: ComEd CY2024 Energy Efficiency Programs

Sector	Program
Cross-Cutting	Voltage Optimization
Business & Public Sector	
Business & Public Sector	Behavior - Bus/Pub
Business & Public Sector	EMS – Small Business - Pilot
Business & Public Sector	Incentives
Business & Public Sector	Midstream/Upstream
Business & Public Sector	New Construction - Bus/Pub
Business & Public Sector	Small Business
Business & Public Sector	Targeted Systems
Residential (Res) & Income Eligible (IE)	
Res & IE	Behavior - Res/IE
Res & IE	Contractor/Midstream Rebates
Res & IE	Whole Home Electric
Res & IE	Multifamily Upgrades
Res & IE	Electric Home New Construction
Res & IE	New Construction - IE
Res & IE	Product Distribution
Res & IE	Retail/Online
Res & IE	Single Family Upgrades

Notes: Table contains only programs where Guidehouse submitted impact reports to ComEd. The ASI kWh Purchase is not included here as a program, but the savings are counted in the subsequent sections as part of the residential sector kWh savings. Source: ComEd tracking data and Guidehouse evaluation reports.

2. Portfolio Savings

The evaluation calculated incremental annual savings and cumulative persisting annual savings (CPAS) from the ComEd CY2024 programs. Each is presented below.

2.1 Annual Savings

Table 2-1 and Table 2-2 summarize the incremental energy and peak demand savings the ComEd portfolio achieved in CY2024. This table includes primary kWh savings from efficient measures, legacy savings, and electrification savings which are capped at 5% per year of the applicable annual total savings (AATS), according to 220 ILCS 5/8-103B(b-27) of the Illinois Public Utilities Act. The electrification savings are in addition to the 10% cap of AATS that ComEd can claim from non-electricity energy savings (include gas savings converted to electricity) allowed under Section 8-103B(b-25). The table presents the applicable annual incremental goal (AAIG) achieved in CY2024. The terms and calculation approaches are defined in Section 2.2.

Table 2-1: Total Annual Savings Achieved vs Counted

Savings Category	Total Achieved (kWh)	% of Total	Total Counted (kWh)	% of Total
Parameters				
Applicable Annual Total Savings (AATS)	1,834,721,180			
Maximum EEE savings at 5% of AATS	91,736,059			
Maximum Energy Savings from Other Fuels at 10% of AATS	183,472,118			
Electrification Savings				
kWh from IE	17,937,076	21.8%	17,937,076	25.0%
kWh from Non IE	64,294,611	78.2%	53,811,228	75.0%
Total	82,231,687	100%	71,748,304	100%
Total = Minimum of Achieved or 5% of AATS			71,748,304	
Electrification Savings to Convert or Converted to Efficiency Baseline Savings†	10,483,384		5,074,835	
Other Fuel Savings				
Energy Savings - From Other Fuels in kWh - capped at 10% of AATS	1,173,466,288		183,472,118	
Total Savings				
Energy Savings - Direct Electric	1,648,077,508		1,653,073,134	
Energy Savings - From Other Fuels in kWh	1,173,466,288		183,472,118	
Energy Savings - Electrification	82,231,687		71,748,304	
Total Verified Net Savings	2,904,137,252		1,908,293,556	

* Electric Energy Savings - Direct includes primary kWh savings from efficient measures (includes efficiency savings from electrification measures but excludes the electrification savings), secondary kWh savings from wastewater treatment, and electric heating penalties.

† Electrification Savings Total - Total Counted accounts for the requirement to meet 25% IE electrification and 5% AATS cap.

‡ Portfolio achieving 21.8% IE requirement and not exceeding the 5% cap resulted in electrification 10,483,384 kWh savings converted to 5,074,835 kWh efficiency baseline savings which is included in the Electric Energy Savings – Direct counted.

§ Other fuel savings achieved 40,036,380 therms (1,173.5 GWh) from which 6,259,711 therms (183.5 GWh equivalent) were counted towards goal.

Source: ComEd tracking data and evaluation team analysis

Table 2-2: Total Annual Savings Towards Goal

Key	Savings Category	Energy Savings (kWh)	Peak Demand Savings (kW)
A	Ex Ante Gross Savings - Direct	1,625,630,449	298,270
B	Portfolio Gross Realization Rate	1.03	0.79
C	Verified Gross Savings - Direct†	1,682,455,902	235,243
D	Portfolio Net-to-Gross Ratio (NTG)	0.98	1.01
E	Verified Net Savings (excl. Electrification Savings)	1,653,073,134	236,573
F	Verified Net Savings (incl. Electrification Savings)	1,724,821,438	236,573
G	Verified IE Net Savings (excl. Electrification Savings)	525,705,691	
H	Verified IE Net Savings (incl. Electrification Savings)	543,642,767	62,383
I	ASI kWh Purchase	770,527	320
J	Legacy Savings‡	2,324,014,787	
K	Other Fuel Savings Achieved (Therms)	40,036,380	
L	Other Fuel Savings Counted Toward Goal (Therms)	6,259,711	
M	Other Fuel Savings Counted Toward Goal (kWh)§	183,472,118	
N	Electrification Savings Achieved	82,231,688	
O	Electrification Savings Counted Toward Goal	71,748,304	
P	Total Net Savings (Electric-Direct + Gas Savings Counted + Electrification Savings Counted)	1,908,293,556	236,573
Q	Historic Portfolio Total Savings (Electric + Gas Savings Counted + Electrification)#	8,962,577,115	
R	Grand Total Net Savings (Plus Legacy, Total Net Savings, Historic Savings)	13,194,885,458	236,573
S	Historic Incremental Expiring Savings*†	506,712,731	
T	Legacy Incremental Expiring Savings	249,001,584	
U	CPAS Statutory Goal†‡	13,031,082,911	
V	CPAS Achieved as Percent of Goal	101.3%	
W	Applicable Annual Incremental Goal (AAIG)†§	1,079,006,865	
X	Applicable Annual Total Savings (AAIG + Legacy Expiring + Historic Expiring Savings)†§	1,834,721,180	
Y	Applicable Annual Incremental Savings Achieved‡	1,152,579,241	
Z	AAIG Achieved as Percent of Goal	106.8%	

Notes: The totals in this table may vary slightly from the totals in other tables and the totals summed across the individual program reports due to rounding error.

Carryover: Verified gross savings include carryover savings.

Portfolio NTG Ratio: Guidehouse calculated the portfolio NTG ratio by dividing the total net savings by the total verified gross savings. However, some programs do not report ex ante gross savings and only report net savings (e.g., the Behavior – Res/IE program). Where the evaluation approach also produces net savings as its primary output, we did not calculate verified gross savings.

* The Peak Demand Savings are savings occurring at coincident Summer Peak period, defined as 1:00-5:00 PM Central Prevailing Time on non-holiday weekdays, June through August. This definition is in accordance with PJM requirement.

† Electric Energy Savings - Direct includes primary kWh savings from efficient measures (includes efficiency savings from electrification measures but excludes the electrification savings), secondary kWh savings from wastewater treatment, and electric heating penalties.

‡ Legacy Savings are estimated by multiplying statutory 2024 CPAS Legacy Savings percent (2.8%) by ComEd Baseline - 2014-2016 Average Annual Sales Less Exempt Customers MWh value of 83,000,528.

§ Gas savings are converted to kWh by multiplying therms by 29.31 (which is based on 100,000 Btu/therm and 3,412 Btu/kWh).

|| Electrification savings from electrification measures excluding direct efficiency savings. Calculated from net electric savings from increase in kWh consumption and decrease in gas consumption from electrification (kWh equivalent).

Historical savings go back to CY2018.

*† Incremental expiring savings are equal to CPAS Yn-1 - CPAS Yn.

†‡ Estimated by multiplying statutory 2024 CPAS Goal percent (15.7%) by ComEd Baseline - 2014-2016 Average Annual Sales Less Exempt Customers MWh value of 83,000,528.

†§ Applicable Annual Incremental Goal (AAIG) is equal to CPAS Yn Goal - CPAS Yn-1 Goal

‡§ Applicable Annual Total Savings (AATS) is the savings needed to achieve 100% AAIG (it is sum of AAIG, Legacy Expiring Savings and Historic Expiring Savings).

‡|| Estimated as new incremental savings from 2024 after offsetting incremental expiring savings in 2024.

Source: ComEd tracking data and evaluation team analysis

Table 2-3 summarizes the incremental energy and demand savings achieved in CY2024.

Table 2-3: Total Annual Incremental Savings

Savings Type	Portfolio	Ex Ante Gross Savings	VerifiedGross Realization Rate	Verified Gross Savings	NTG*	Verified Net Savings
Energy (kWh)	Business & Public Sector	813,657,011	1.02	827,950,054	0.89	736,838,885
Energy (kWh)	Res & IE	711,847,885	1.06	754,581,046	1.08	816,309,447
Energy (kWh)	Voltage Optimization	100,125,553	1.00	99,924,803	1.00	99,924,803
Energy (kWh)	Total	1,625,630,449	1.03	1,682,455,902	0.98	1,653,073,134
Peak Demand (kW)	Business & Public Sector	136,615	1.02	139,040	0.90	125,704
Peak Demand (kW)	Res & IE	144,124	0.54	78,471	1.19	93,137
Peak Demand (kW)	Voltage Optimization	17,530	1.01	17,732	1.00	17,732
Peak Demand (kW)	Total	298,270	0.79	235,243	1.01	236,573

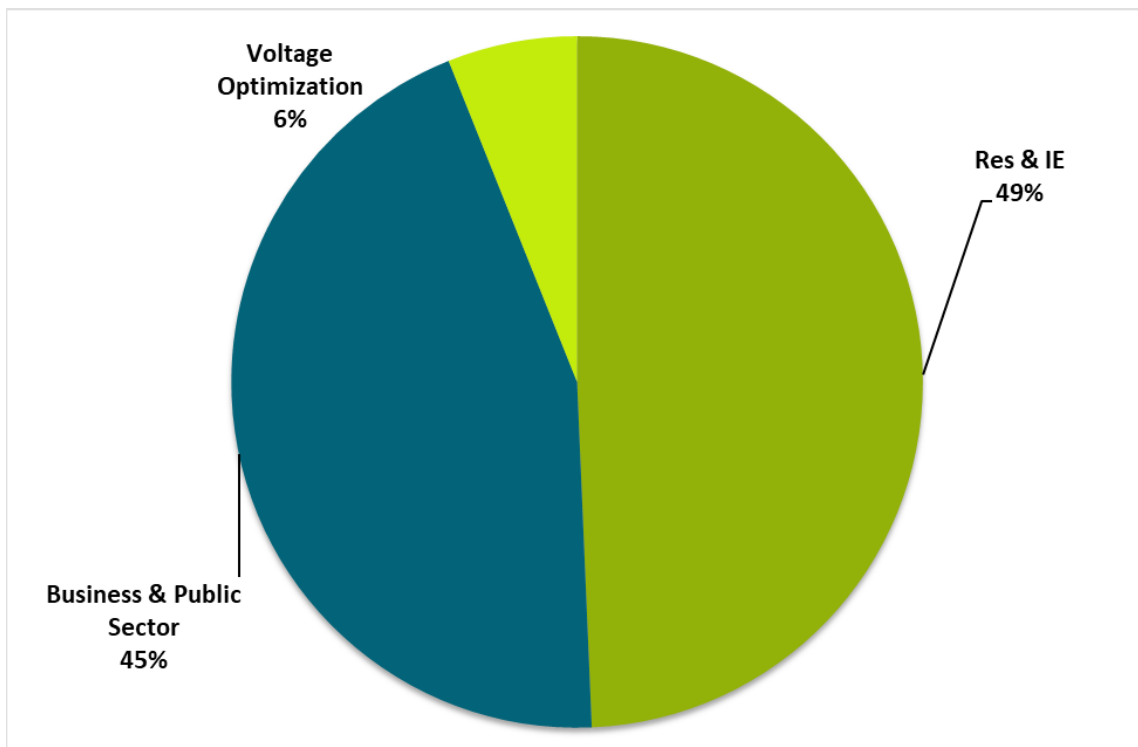
Note: The ASI kWh Purchase are counted as part of the Res/IE sector

* The NTG is calculated as the sum of net savings divided by the sum of verified gross savings after excluding measures that do not have verified gross estimates (e.g., some behavior programs).

Source: ComEd tracking data and evaluation team analysis.

Figure 2-1 provides the percent net electric (kWh direct) savings by the sectors. Further detail on the savings by program are shown in subsequent sections.

Figure 2-1. Annual Incremental Electric Savings by Sector



Source: ComEd tracking data and evaluation team analysis.

2.2 Cumulative Persisting Annual Savings (CPAS)

Per Section 8-103B of the Illinois Public Utilities Act, ComEd's energy efficiency goals are expressed in CPAS, which is the sum of the electric energy savings achieved in a given year from all measures installed in that year and in previous years, but no earlier than January 1, 2012, that are still operational and providing savings in that year. The CPAS savings are presented in tables at the end of this section.

2.2.1 Other Fuel (Gas + Propane) Savings

The gas savings attributed to ComEd's programs are only those not claimed by the Illinois gas utilities so that there is no double-counting.¹ Some of the gas savings that ComEd can claim are from programs jointly implemented with the gas utilities, and some are from ComEd-only programs that produce gas savings along with electric savings. According to Section 8-103B(b-25) of the Illinois Public Utilities Act, "In no event shall more than 10% of each year's applicable annual total savings (AATS) as defined in paragraph (7.5) of subsection (g) of this Section be met through savings of fuels other than electricity." For CY2024, ComEd's savings target (AATS) is 1,834,721 MWh² (Table 2-2 row X) and so ComEd can claim up to 183,472 MWh in other fuel savings (Table 2-2 row M).³

The Clean Energy Jobs Act (CEJA) specifies that ComEd shall prioritize other fuels (which in CY2024 are from natural gas and propane) for the Income Eligible population first to the extent practicable but can use other fuels from other sectors to achieve its target. To calculate the other fuels' savings eligible for claiming, the evaluation team used a data set containing all measure-level savings, with associated sector and program flags. We sorted the measures from the Income Eligible programs to the top, then sorted by descending measure life. We calculated cumulative savings from the top of the data set until the cumulative total reached the maximum ComEd can claim. Only those savings above that point are included in the tables at the end of this section.

2.2.2 Electrification Savings

CEJA authorizes claimed savings from measures that electrify space heating, water heating, cooling, drying, cooking, industrial processes, and other building and industrial end uses that would otherwise be served by combustion of fossil fuel at the premises, provided that the electrification measures reduce total consumption on the premises. In CY2024, the key electrification measures included a family of heat pumps, heat pump water heaters, clothes dryer, induction cooktop, and fork trucks.

According to Section 8-103B(b-27) of the Illinois Public Utilities Act, "In no event shall electrification savings counted toward each year's applicable annual total savings requirement, as defined in paragraph (7.5) of subsection (g) of this Section, be greater than 5% per year for each year from 2022 through 2025." For CY2024, ComEd's savings target (AATS) is 1,834,721 MWh⁴ (Table 2-2 row X) and so ComEd can claim up to 91,736 MWh in energy efficient electrification savings. In CY2024, ComEd did not stack rebates, no project applied both energy

¹ For 2024, Guidehouse identified some measures where it was possible to confirm the gas companies were not also claiming gas savings (e.g., they did not claim gas savings on clothes washers, ductless mini-split heat pumps, and EMS). There were other measures where the ComEd joint program data indicated the percentage of gas savings claimed by ComEd or by gas utilities (e.g., Kitchen DCV, programmable thermostats, water measures, air sealing and pipe insulation). Those measures and gas savings were confirmed by Guidehouse to have no potential double counting from the gas utilities' data and were included in the sorting process to determine the gas savings counted in the calculation of the savings ComEd can claim toward goal.

² ComEd-CY2024-Q4-Statewide-Quarterly-Report.

³ CEJA Statute: 220 ILCS 5/8-103B(g)(7.5). Section 8-103B. The 2024 applicable annual total savings is estimated as the summary of applicable annual incremental goal which is the difference in the 2024 CPAS Statutory Goal (13,031,083 MWh) and the 2023 CPAS Statutory Goal (11,952,076 MWh), plus the expiring legacy savings and expiring historic savings; ComEd-CY2024-Q4-Statewide-Quarterly-Report.

⁴ ComEd-CY2024-Q4-Statewide-Quarterly-Report

efficiency and Beneficial Electrification rebate. No benefits, savings, or costs associated with the Beneficial Electrification rebates are included in this summary report.

To calculate the electrification savings eligible for claiming, the evaluation team used a data set containing all measure-level electrification savings, with associated sector and program flags. We sorted the measures from the Income Eligible programs to the top, then sorted by descending measure life. We calculated cumulative electrification savings from the top of the data set until the cumulative total reached the maximum ComEd can claim, with at least 25% of savings coming from electrification of end uses in income eligible housing. Only those savings above that point are included in the tables at the end of this section (this is discussed in more detail in section 2.2.6).

2.2.3 Legacy Savings

CEJA specifies legacy savings, which are CPAS from energy efficiency measures implemented by ComEd from January 1, 2012 to December 31, 2017, that are still providing savings in the applicable year. The evaluation applied the deemed legacy savings of 2,324,015 MWh toward ComEd verified CPAS in CY2024 (Table 2-2 row J).⁵

2.2.4 Historical Savings

CEJA requires that historical savings be included in CPAS. This means that the CPAS tables shown in this report include savings from measures installed in 2018 through 2023 that have not reached the end of their EUL. It also means that the CPAS tables account for expiring savings. The evaluation applied the historical contribution to CPAS of 8,962,577 MWh (electric 8,209,729 MWh, counted gas converted of 700,519 MWh, and electrification 52,329 MWh) toward ComEd verified total CPAS in CY2024 (Table 2-2 row Q).

2.2.5 Expiring Savings

CEJA specifies that each year ComEd's programs must replace energy savings for measures that have reached the end of their measure lives before any progress towards achievement of its AAIG may be counted. The evaluation calculated incremental expiring savings using the following equation:

Equation 2-1. Incremental Expiring Savings

$$\text{Incremental Expiring Savings} = \text{CPAS } Y_{\{n-1\}} - \text{CPAS } Y_n$$

The grand total incremental expiring savings in CY2024 is estimated as CY2024 incremental expiring savings plus the legacy incremental expiring savings in CY2024 and historical expiring savings since CY2018, given a value of 755,714 MWh (in CY2024, there were no incremental expiring savings, the value came from legacy incremental expiring savings of 249,002 MWh (Table 2-2 row T), and historical incremental expiring savings⁶ of 506,712 MWh (Table 2-2 row S)).

⁵ For CY2024, legacy savings are estimated by multiplying statutory 2024 CPAS Legacy Savings percent (2.8%) by ComEd Baseline - 2014-2016 Average Annual Sales Less Exempt Customers MWh value of 83,000.528.

⁶ Historic incremental expiring savings are equal to Historic CPAS Y_{n-1} – Historic CPAS Y_n .

2.2.6 Total Savings

As shown in the tables below, ComEd's CY2024 energy efficiency programs achieved total direct electric CPAS of 1,653,073 MWh (Table 2-2 row E).⁷ They achieved 40,036,380 therms savings from other fuels, which converts to 1,173,446 MWh.⁸ From those other fuel savings, ComEd can claim 183,472 MWh (Table 2-2 row M) toward their annual incremental goal. In CY2024, Income Eligible programs achieved 420,046 MWh of savings from other fuels. Per CEJA, we prioritized income eligible measures with higher measure life until we reached the 183,472 MWh counted towards ComEd incremental goal.

ComEd achieved 82,232 MWh from electrification measures (Table 2-2 row N), which did not exceed 91,736 MWh ComEd can claim towards goal. Of the 82,232 MWh achieved, 17,937 MWh came from income eligible households (Table 2-1), which was 21.8% of the total. The legislation states that 25% of the electrification savings ComEd can claim toward their goal must come from low income housing. Given that, ComEd cannot claim the full amount. The evaluation has counted 71,748 MWh towards ComEd's goal (Table 2-2 row O).⁹

The Illinois Stakeholder Advisory Group (SAG) policy¹⁰ on income eligible energy efficient electrification attribution for midstream programs allows ComEd to convert electrification savings not counted towards their energy efficient electrification goal to an efficiency baseline and claim them as non-electrification savings if 25% IE electrification threshold is not met and/or total electrification savings exceed 5% AATS threshold. In CY2024, Guidehouse converted 10,483 MWh electrification savings not counted to 5,075 MWh efficiency baseline savings (Table 2-1) from the Res/IE Contractor/Midstream Rebates and Business Midstream/Upstream programs. The converted 5,075 MWh savings are included in the total direct electric CPAS of 1,653,073 MWh.

Adding the current year electric savings to the allowable converted other fuel savings and electrification savings gives 1,908,294 MWh total savings (Table 2-2 row P). Adding the legacy savings of 2,324,015 MWh and historical savings since CY2018, the grand total CY2024 CPAS that ComEd can claim is 13,194,885 MWh (Table 2-2 row R) (which is 101.3% of the CPAS goal of 13,031,083 MWh).

2.2.7 Applicable Annual Incremental Goal (AAIG)

From the legislation,¹¹ the AAIG is estimated as the difference between the statutory CPAS goal for current year (CY2024) and the CPAS goal for the immediately preceding year (CY2023). We calculate progress toward AAIG that ComEd achieved in CY2024 as the difference in verified CY2023 CPAS and the incremental expiring savings (both expiring legacy savings and post 2017 expiring programmatic savings).

⁷ Direct electric savings includes primary kWh savings from efficient measures (includes efficiency savings from electrification measures but excludes the electrification savings), secondary kWh savings from wastewater treatment, and electric heating penalties. This includes converted electrification savings to efficiency baseline savings.

⁸ Other fuel savings are converted to kWh by multiplying therms by 29.31 (which is based on 100,000 Btu/therm and 3,412 Btu/kWh).

⁹ $17,937 (25\%) + 53,811 (75\%) = 71,748 (100\%)$

¹⁰ ComEd IE EE Policy_2_17-25_Final Clean: Illinois Energy Efficiency Stakeholder Advisory Group Policy Resolution: Income Eligible Energy Efficient Electrification Attribution for Midstream Programs Final (2/17/2025)

¹¹ CEJA Statute: 220 ILCS 5/8-103B(g)(7.5). Section 8-103B.

Equation 2-2. Applicable Annual Incremental Goal (AAIG)

$$\text{AAIG} = \text{CPAS } Y_n \text{ Goal} - \text{CPAS } Y_{\{n-1\}} \text{ Goal}$$

Equation 2-3. Applicable Annual Incremental Goal Achieved

$$\text{Progress toward AAIG} = \text{CPAS } Y_n - \text{Incremental Expiring Savings } Y_n$$

In CY2024, the AAIG is estimated as 1,079,007 MWh (Table 2-2 row W). The estimated progress toward goal that ComEd achieved is 1,152,579 MWh (Table 2-2 row Y), which is the difference between the CPAS that ComEd can claim against their goal (1,904,583 MWh) and the grand total incremental expiring savings (755,714 MWh). The AAIG achieved as percent of goal (1,079,007 MWh) is 106.8% (Table 2-2 row Z).

2.2.8 Applicable Annual Total Savings (AATS)

From the legislation, the AATS is estimated as the total amount of new annual savings that the utility must achieve in any given year to achieve the AAIG. This is equal to the AAIG plus the total new annual savings that are required to replace savings that expired in or at the end of the previous year (expiring legacy savings and expiring historic savings). For CY2024, ComEd's savings target (AATS) is 1,834,721 MWh (Table 2-2 row X).

Equation 2-4. Applicable Annual Incremental Goal (AATS)

$$\text{AATS} = \text{AAIG} + \text{Legacy Expiring Savings} + \text{Historic Expiring Savings}$$

Table 2-4: CPAS by Program – Electric Direct

Sector	Program	WAML*	CY2024 Verified Gross Savings (kWh)	NTG†	Lifetime Net Savings (kWh)‡	2018	2019	2020	2021	2022	2023	2024	2025	2026
Business & Public Sector	Incentives	14.05	238,176,910	0.87	2,903,757,460							207,811,945	207,786,053	205,969,417
Business & Public Sector	Small Business	14.00	223,878,317	0.95	2,821,464,864							213,715,412	213,665,515	212,334,467
Business & Public Sector	Midstream/Upstream	14.21	201,441,483	0.86	2,429,634,804							172,842,560	172,842,560	170,049,462
Business & Public Sector	Targeted Systems	8.30	107,897,809	0.84	738,403,456							90,836,052	90,836,052	90,836,052
Business & Public Sector	Behavior Bus/Pub	7.00	45,841,394	1.00	320,889,755							45,841,394	45,841,394	45,841,394
Business & Public Sector	New Construction - Bus/Pub	17.40	10,636,432	0.54	99,690,777							5,729,355	5,729,355	5,729,355
Business & Public Sector	EMS - Small Business - Pilot	15.00	77,710	0.80	932,516							62,168	62,168	62,168
Res & IE	Retail/Online	14.43	391,664,795	0.91	5,010,045,490							355,567,009	355,565,292	355,565,292
Res & IE	Product Distribution	8.29	275,067,458	1.00	2,192,667,999							275,011,940	272,754,439	270,975,844
Res & IE	Multifamily Upgrades	13.44	37,643,925	0.98	499,876,395							36,938,406	35,702,059	35,665,827
Res & IE	Contractor/Midstream Rebates	15.70	29,680,982	0.94	298,833,249							27,861,101	27,861,101	27,861,101
Res & IE	Single-Family Upgrades	11.58	15,051,973	0.99	160,582,637							14,967,742	14,967,742	14,967,742
Res & IE	New Construction - IE	15.78	3,017,075	1.00	47,616,511							3,017,075	3,017,075	3,017,075
Res & IE	Whole Home Electric	16.44	1,263,408	1.00	15,716,841							1,263,408	1,263,408	1,263,408
Res & IE	ASI kWh Purchase**	22.56	806,898	0.95	16,291,033							770,527	770,527	770,527
Res & IE	Electric Homes New Construction	15.08	384,532	0.93	5,378,287							356,566	356,566	355,640
Res & IE	Behavior - Res/IE	10.00			358,650,175							100,555,672	73,528,138	53,909,309
Voltage Optimization	Voltage Optimization	15.00	99,924,803	1.00	1,498,872,043							99,924,803	99,924,803	99,924,803
CY2024 Portfolio Total Electric Contribution to CPAS												1,653,073,134	1,622,474,246	1,595,098,883
Historic Portfolio Total Electric Contribution to CPAS§						1,765,460,187	3,230,285,186	4,840,365,070	6,105,105,588	7,517,032,298	8,709,852,047	8,209,728,790	7,742,997,999	7,299,411,345
Portfolio Total Electric CPAS						1,765,460,187	3,230,285,186	4,840,365,070	6,105,105,588	7,517,032,298	8,709,852,047	9,862,801,924	9,365,472,245	8,894,510,228
CY2024 Portfolio Incremental Expiring Electric Savings												30,598,888	27,375,363	
Historic Portfolio Incremental Expiring Electric Savings#										154,012,907	213,932,253	500,123,257	466,730,791	443,586,654
Portfolio Grand Total Incremental Expiring Electric Savings*†										154,012,907	213,932,253	500,123,257	497,329,679	470,962,017

Sector	Program	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Business & Public Sector	Incentives	204,424,858	202,604,150	199,897,211	198,594,349	197,078,696	196,773,159	186,929,749	170,048,075	161,889,843	155,711,037	146,914,188	146,201,003	26,615,086	15,064,589
Business & Public Sector	Small Business	207,106,286	199,934,940	196,346,360	195,244,854	193,285,366	191,980,226	189,351,722	167,603,118	153,985,352	145,340,853	132,593,941	130,232,320	25,452,169	5,921,329
Business & Public Sector	Midstream/Upstream	170,049,462	163,065,873	159,973,827	159,973,827	159,973,827	159,973,827	159,914,903	159,910,134	155,114,803	150,725,408	150,723,840	142,512,758	21,757,736	57,499
Business & Public Sector	Targeted Systems	63,062,902	60,990,937	60,990,937	60,990,937	49,221,760	36,047,826	24,371,671	24,223,090	24,223,090	24,223,090	12,072,995	12,072,995	2,392,397	2,392,397
Business & Public Sector	Behavior Bus/Pub	45,841,394	45,841,394	45,841,394	45,841,394										
Business & Public Sector	New Construction - Bus/Pub	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355	5,729,355
Business & Public Sector	EMS - Small Business - Pilot	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168	62,168
Res & IE	Retail/Online	355,565,292	349,303,680	349,303,680	349,303,680	338,357,339	209,087,653	197,571,473	194,575,655	184,093,916	181,840,497	181,840,497	175,906,747	175,637,000	175,247,895
Res & IE	Product Distribution	259,034,862	259,034,862	259,034,862	259,034,862	251,367,160	10,540,770	10,540,770	6,533,763	6,533,763	6,533,763	6,533,763	6,533,763	6,533,763	6,533,763
Res & IE	Multifamily Upgrades	35,649,501	35,649,501	35,306,315	35,134,537	29,909,467	19,889,074	19,866,746	18,896,951	18,709,253	17,565,391	17,565,391	17,238,291	17,238,291	5,291,499
Res & IE	Contractor/Midstream Rebates	27,861,101	27,861,101	27,861,101	13,846,580	13,622,607	13,423,990	13,423,990	13,423,664	13,252,232	13,252,232	13,252,232	13,252,232	9,586,176	151,449
Res & IE	Single-Family Upgrades	14,622,330	14,622,330	14,519,540	14,065,647	11,165,879	4,482,200	4,482,200	3,670,098	2,802,649	2,792,698	2,782,858	2,782,858	2,635,774	2,505,443
Res & IE	New Construction - IE	3,017,075	3,017,075	3,017,075	3,017,075	3,017,075	3,017,075	2,951,873	2,902,686	2,762,357	2,660,208	2,627,943	2,266,129	1,617,360	718,859
Res & IE	Whole Home Electric	1,263,408	1,263,408	1,262,051	866,421	866,009	860,856	860,856	804,754	620,597	620,597	620,597	607,928	455,583	167,563
Res & IE	ASI kWh Purchase**	770,527	770,527	770,527	770,527	770,527	770,527	770,527	681,040	681,040	681,040	681,040	681,040	681,040	681,040
Res & IE	Electric Homes New Construction	355,640	355,640	355,640	355,640	355,640	355,640	355,640	303,197	275,966	275,966	264,181	246,502	133,480	80,882
Res & IE	Behavior - Res/IE	38,942,953	28,744,286	21,124,567	15,710,084	11,529,339	8,409,325	6,196,502							
Voltage Optimization	Voltage Optimization	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803	99,924,803
CY2024 Portfolio Total Electric Contribution to CPAS		1,533,283,916	1,498,776,028	1,481,321,411	1,458,466,739	1,366,237,017	961,328,472	923,304,946	869,292,550	830,732,187	807,939,107	774,189,791	756,577,991	296,465,210	220,543,563
Historic Portfolio Total Electric Contribution to CPAS§		6,941,286,481	6,339,360,833	5,918,229,404	5,211,998,207	4,274,293,207	3,654,743,899	3,119,063,805	2,477,035,820	1,856,212,384	1,193,952,505	697,944,467	293,725,783	262,548,449	241,358,561
Portfolio Total Electric CPAS		8,474,570,397	7,838,136,861	7,399,550,815	6,670,464,946	5,640,530,224	4,616,072,371	4,042,368,752	3,346,328,370	2,686,944,571	2,001,891,612	1,472,134,258	1,050,303,774	559,013,659	461,902,124
CY2024 Portfolio Incremental Expiring Electric Savings		61,814,967	34,507,888	17,454,618	22,854,672	92,229,722	404,908,544	38,023,526	54,012,396	38,560,364	22,793,080	33,749,316	17,611,800	460,112,781	75,921,648
Historic Portfolio Incremental Expiring Electric Savings#		358,124,863	601,925,648	421,131,429	706,231,198	937,704,999	619,549,308	535,680,094	642,027,985	620,823,436	662,259,878	496,008,038	404,218,684	31,177,334	21,189,888
Portfolio Grand Total Incremental Expiring Electric Savings*†		419,939,830	636,433,536	438,586,047	729,085,869	1,029,934,722	1,024,457,853	573,703,620	696,040,381	659,383,800	685,052,958	529,757,354	421,830,484	491,290,115	97,111,536

Sector	Program	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Business & Public Sector	Incentives	14,596,882	14,181,416	14,181,416	8,740,237	8,740,237	8,673,485	2,165,189	2,165,189							
Business & Public Sector	Small Business	5,921,329	5,921,329	5,921,329	5,921,329	5,921,329	5,921,329	5,921,329	5,921,329							
Business & Public Sector	Midstream/Upstream	57,499	57,499	57,499												
Business & Public Sector	Targeted Systems	2,392,397	2,392,397	2,392,397	480,361	480,361	480,361									
Business & Public Sector	Behavior Bus/Pub															
Business & Public Sector	New Construction - Bus/Pub	2,291,742														
Business & Public Sector	EMS - Small Business - Pilot															
Res & IE	Retail/Online	175,247,895	175,247,895	175,217,103												
Res & IE	Product Distribution	6,533,763	6,533,763	6,533,763												
Res & IE	Multifamily Upgrades	5,291,499	5,291,499	5,291,499	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730	5,138,730

Sector	Program	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Res & IE	Contractor/Midstream Rebates	151,449	151,449	151,449	144,983	144,983	144,983	144,983	144,983							
Res & IE	Single-Family Upgrades	2,505,443	2,451,203	2,130,369	1,066,616	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920	1,065,920
Res & IE	New Construction - IE	675,121	675,121	605,176												
Res & IE	Whole Home Electric	167,563	167,563	167,273	28,359	28,359	28,359	28,359	28,359	28,359	28,359	28,359	28,359	28,359	28,359	28,359
Res & IE	ASI kWh Purchase**	681,040	681,040	681,040	177,536	177,536	177,536	177,536	177,536	177,536	177,536	177,536	177,536	177,536	177,536	177,536
Res & IE	Electric Homes New Construction	80,882	80,882	78,100												
Res & IE	Behavior - Res/IE															
Voltage Optimization	Voltage Optimization															
	CY2024 Portfolio Total Electric Contribution to CPAS	216,594,505	213,833,057	213,408,414	21,698,152	21,697,455	21,630,704	14,642,046	14,642,046	6,410,544	6,410,544	6,410,544	6,410,544	6,410,544	6,410,544	6,410,544
	Historic Portfolio Total Electric Contribution to CPAS§	169,956,452	125,758,738	34,613,087	26,404,475	16,049,018	2,709,417	829,798	443,970	443,970	443,970					
	Portfolio Total Electric CPAS	386,550,957	339,591,795	248,021,501	48,102,627	37,746,473	24,340,121	15,471,844	15,086,016	6,854,515	6,854,515	6,410,544	6,410,544	6,410,544	6,410,544	6,410,544
	CY2024 Portfolio Incremental Expiring Electric Savings	3,949,058	2,761,447	424,644	191,710,262	697	66,751	6,988,658		8,231,502						6,410,544
	Historic Portfolio Incremental Expiring Electric Savings#	71,402,109	44,197,714	91,145,650	8,208,613	10,355,457	13,339,601	1,879,619	385,828			443,970				
	Portfolio Grand Total Incremental Expiring Electric Savings*†	75,351,167	46,959,162	91,570,294	199,918,874	10,356,154	13,406,352	8,868,277	385,828	8,231,502		443,970				6,410,544

Note: This table is Electric Energy Savings - Direct which includes primary kWh savings from efficient measures (includes efficiency savings from electrification measures but excludes the electrification savings), secondary kWh savings from wastewater treatment, carryover savings, and electric heating penalties.

* WAML is the weighted average measure life across all measures and savings in the program.

† The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>.

‡ Lifetime savings are the sum of CPAS savings through the EUL.

§ Historical savings go back to CY2018.

|| Incremental expiring savings are equal to CPAS Yn-1 - CPAS Yn.

Historic incremental expiring savings are equal to Historic CPAS Yn-1 - Historic CPAS Yn.

*† Portfolio total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

**The ASI kWh Purchase is not included as a program, but the savings are counted in this table as part of the residential sector kWh savings.

Source: Evaluation team analysis

Table 2-5: CPAS by Program – Other Fuel

Sector	Program	WAML	CY2024 Verified Gross Savings (Therms)	NTG*	Lifetime Net Savings	2018	2019	2020	2021	2022	2023	2024	2025	2026
Business & Public Sector	Incentives	14.88	2,585,213	0.89	34,045,896							2,288,447	2,288,447	2,288,447
Business & Public Sector	Small Business	8.93	249,485	0.98	2,087,622							243,848	243,848	204,616
Business & Public Sector	New Construction - Bus/Pub	17.40	75,763	0.46	602,108							34,604	34,604	34,604
Business & Public Sector	Targeted Systems	12.58	62,336	0.99	567,930							61,977	61,977	61,977
Business & Public Sector	Behavior Bus/Pub													
Business & Public Sector	Midstream/Upstream													
Res & IE	Retail/Online	19.28	39,313,836	0.89	670,898,140							34,894,292	34,893,985	34,893,985
Res & IE	Single-Family Upgrades	19.97	1,488,954	1.00	27,133,193							1,482,386	1,482,386	1,482,386
Res & IE	Multifamily Upgrades	27.08	602,461	1.00	16,317,160							602,461	596,689	596,689
Res & IE	Product Distribution	16.56	257,628	1.00	4,265,068							257,628	257,628	257,628
Res & IE	New Construction - IE	16.70	127,875	1.00	2,134,890							127,875	127,875	127,875
Res & IE	Contractor/Midstream Rebates	11.46	47,077	0.91	491,182							42,862	42,862	42,862
Res & IE	Behavior - Res/IE													
Res & IE	Electric Homes New Construction													
Res & IE	Whole Home Electric													
Voltage Optimization	Voltage Optimization													
CY2024 Portfolio Total Other Fuel Contribution to CPAS (Therms)			44,810,629	0.89	758,543,190							40,036,380	40,030,301	39,991,069
CY2024 Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)†			1,313,399,529	0.89	22,232,900,903							1,173,466,288	1,173,288,126	1,172,138,222
Historic Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)§						216,877,650	387,368,187	664,862,938	988,871,000	1,280,616,071	1,700,789,781	1,690,862,785	1,674,914,556	1,665,067,339
CY2024 Portfolio Incremental Expiring Other Fuel Savings (Therms)												289,754,844	286,879,306	287,552,571
CY2024 Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)													6,079	39,232
Historic Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)#													178,162	1,149,904
Portfolio Total Other Fuel CPAS (kWh Equivalent)						216,877,650	387,368,187	664,862,938	988,871,000	1,280,616,071	1,700,789,781	2,864,329,072	2,848,202,682	2,837,205,562
Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent)*†													287,057,468	288,702,475

Sector	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	
Business & Public Sector	2,288,447	2,288,447	2,286,344	2,286,344	2,286,344	2,286,344	2,286,344	2,234,719	2,234,306	2,234,306	2,234,306	2,234,306	2,234,306		
Business & Public Sector	204,616	204,616	176,797	176,797	176,797	176,738	176,738	106,353	-1,472	-1,472	-1,472	-1,472	174	174	
Business & Public Sector	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	34,604	
Business & Public Sector	61,977	38,314	38,314	38,314	38,314	36,059	32,677	32,677	32,677	32,677					
Business & Public Sector															
Res & IE	34,893,985	34,893,985	34,893,985	34,893,985	34,893,985	34,893,985	34,893,985	34,362,830	32,053,867	32,053,867	32,053,867	31,905,592	31,905,592	31,905,592	
Res & IE	1,413,154	1,413,154	1,346,435	1,320,651	1,320,651	1,319,168	1,319,168	1,148,322	891,077	891,077	873,367	872,027	863,183	837,252	
Res & IE	588,849	588,849	588,849	572,048	572,048	572,048	572,048	572,048	571,145	571,145	571,145	571,145	538,918	534,082	
Res & IE	257,628	257,628	257,628	257,628	257,628	257,628	257,628	168,878	168,878	168,878	168,878	168,878	168,878	168,878	
Res & IE	127,875	127,875	127,875	127,875	127,875	127,875	127,875	107,465	99,832	99,832	99,832	94,847	68,868	68,868	
Res & IE	42,862	42,862	42,862	42,862	42,862	42,862	42,862	42,862	2,189	2,189	2,189	2,189	2,189	2,189	
Res & IE															
Res & IE															
Voltage Optimization															
CY2024 Portfolio Total Other Fuel Contribution to CPAS (Therms)			39,913,996	39,890,334	39,793,693	39,751,109	39,751,109	39,747,312	39,743,930	38,810,759	36,087,104	36,087,104	35,882,116	33,582,407	33,551,639
CY2024 Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)†			1,169,879,231	1,169,185,676	1,166,353,150	1,165,105,004	1,165,105,004	1,164,993,725	1,164,894,596	1,137,543,360	1,057,713,023	1,057,713,023	1,056,236,151	1,051,704,808	983,398,548
Historic Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)§			1,657,432,306	1,562,972,408	1,526,003,350	1,369,970,344	1,235,489,443	1,021,218,836	820,826,099	743,964,423	617,450,083	544,925,519	488,358,906	444,634,280	419,511,139
CY2024 Portfolio Incremental Expiring Other Fuel Savings (Therms)			284,368,651	277,198,468	277,063,268	269,579,677	233,708,924	144,367,580	167,612,054	115,534,591	115,610,929	70,522,636	100,991,310	64,374,108	63,750,261
CY2024 Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)			77,072	23,663	96,640	42,584	3,797	3,382	933,171	2,723,655		50,388	154,601	2,299,708	30,768
Historic Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)#			2,258,991	693,555	2,832,526	1,248,146		111,279	99,129	27,351,236	79,830,337	1,476,871	4,531,343	67,404,455	901,806
Portfolio Total Other Fuel CPAS (kWh Equivalent)			2,827,311,537	2,732,158,084	2,692,356,500	2,535,075,348	2,400,594,446	2,186,212,561	1,985,720,694	1,881,507,782	1,675,163,106	1,602,638,542	1,544,595,058	1,496,339,088	1,402,909,687
Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent)*†			286,627,642	277,892,023	279,895,795	1,248,146		233,820,203	144,466,709	194,963,290	195,364,928		71,999,507	105,522,653	131,778,563

Sector	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Business & Public Sector															
Business & Public Sector	174	174	174	174	174	174	174	174							
Business & Public Sector	13,842														

Sector	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Business & Public Sector															
Business & Public Sector															
Business & Public Sector															
Res & IE	31,905,592	31,905,592	31,905,592												
Res & IE	837,252	837,252	837,252	436,178	436,526	436,526	437,661	437,661	432,208	432,208	432,208	432,208	432,208	432,208	
Res & IE	534,082	534,082	534,082	524,238	524,238	524,238	524,238	524,238	462,704	462,704	462,704	462,704	462,704	462,704	
Res & IE	168,878	168,878	168,878												
Res & IE	68,868	68,868	68,868	9,990											
Res & IE	2,189	2,189	2,189												
Res & IE															
Res & IE															
Res & IE															
Voltage Optimization															
CY2024 Portfolio Total Other Fuel Contribution to CPAS (Therms)	33,530,877	33,517,035	33,517,035	970,580	960,939	960,939	962,074	962,074	894,912	894,912	894,912	894,912	894,912	894,912	
CY2024 Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)†	982,790,004	982,384,307	982,384,307	28,447,711	28,165,111	28,165,111	28,198,375	28,198,375	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	
Historic Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)§	381,223,776	317,805,801	11,615,647	8,488,557	5,574,254	1,289,647	1,084,602								
CY2024 Portfolio Incremental Expiring Other Fuel Savings (Therms)	63,534,512		300,008,542	321,599				1,084,602							
CY2024 Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)	20,762	13,842		32,546,455	9,642		-1,135		67,162					894,912	
Historic Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)#	608,544	405,696		953,936,597	282,600		-33,263		1,968,512					26,229,863	
Portfolio Total Other Fuel CPAS (kWh Equivalent)	1,364,013,779	1,300,190,108	993,999,954	36,936,268	33,739,366	29,454,759	29,282,977	28,198,375	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	
Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent)*†	64,143,056	405,696		954,258,196	282,600		-33,263		1,968,512					26,229,863	

* The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>.

† Lifetime savings are the sum of CPAS savings through the EUL.

‡ kWh equivalent savings are calculated by multiplying therm savings by 29.31.

§ Historic savings go back to CY2018.

|| Incremental expiring savings are equal to CPAS Yn-1 - CPAS Yn.

Historic incremental expiring savings are equal to Historic CPAS Yn-1 – Historic CPAS Yn.

*† kWh equivalent portfolio total incremental savings are calculated by multiplying therm savings by 29.31.

**The ASI kWh Purchase is not included as a program, but the savings are counted in this table as part of the residential sector kWh savings.

Source: *Evaluation team analysis*

Table 2-6: CPAS from Other Fuel Counting Toward ComEd Goal

Sector	CY2024 Verified Gross Savings (Therms)	Lifetime Net Savings*	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Income Eligible Gas (Therms)	6,259,711	133,870,439							6,259,711	6,259,711	6,259,711	6,259,711	6,259,711
Income Eligible Gas (kWh Equivalent)	183,472,118	3,923,742,559							183,472,118	183,472,118	183,472,118	183,472,118	183,472,118
CY2024 Portfolio Total Other Fuel Contribution to CPAS (Therms)	6,259,711	133,870,439							6,259,711	6,259,711	6,259,711	6,259,711	6,259,711
CY2024 Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)†	183,472,118	3,923,742,559							183,472,118	183,472,118	183,472,118	183,472,118	183,472,118
Historic Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent Counted)§			94,320,888	196,501,850	298,671,854	408,567,718	553,817,801	707,109,068	700,519,594	689,633,808	689,147,768	685,676,617	662,274,203
Portfolio Total Other Fuel CPAS (kWh Equivalent)‡§			94,320,888	196,501,850	298,671,854	408,567,718	553,817,801	707,109,068	883,991,712	873,105,926	872,619,886	869,148,735	845,746,321
CY2024 Portfolio Incremental Expiring Other Fuel Savings (Therms)													
CY2024 Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)‡													
Historic Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent Counted)‡§							146,091	519,109	3,579,597	7,392,427	488,414	2,411,409	14,327,396
Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent)‡							146,091	519,109	3,579,597	7,392,427	488,414	2,411,409	14,327,396

Sector	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
Income Eligible Gas (Therms)	6,259,711	6,259,711	6,259,711	6,258,228	6,258,228	6,207,140	6,207,140	6,207,140	6,194,941	6,194,941	6,194,941	6,194,941	6,194,941
Income Eligible Gas (kWh Equivalent)	183,472,118	183,472,118	183,472,118	183,428,652	183,428,652	181,931,259	181,931,259	181,931,259	181,573,727	181,573,727	181,573,727	181,573,727	181,573,727
CY2024 Portfolio Total Other Fuel Contribution to CPAS (Therms)	6,259,711	6,259,711	6,259,711	6,258,228	6,258,228	6,207,140	6,207,140	6,207,140	6,194,941	6,194,941	6,194,941	6,194,941	6,194,941
CY2024 Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)†	183,472,118	183,472,118	183,472,118	183,428,652	183,428,652	181,931,259	181,931,259	181,931,259	181,573,727	181,573,727	181,573,727	181,573,727	181,573,727
Historic Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent Counted)§	643,789,249	588,864,149	570,089,743	549,408,942	436,134,009	397,431,503	327,012,609	278,804,355	267,716,895	255,882,978	241,469,209	231,047,819	192,815,722
Portfolio Total Other Fuel CPAS (kWh Equivalent)‡§	827,261,367	772,336,267	753,561,861	732,837,594	619,562,661	579,362,762	508,943,868	460,735,614	449,290,621	437,456,705	423,042,936	412,621,546	374,389,449
CY2024 Portfolio Incremental Expiring Other Fuel Savings (Therms)				1,483		51,088			12,198				
CY2024 Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)‡				43,466		1,497,392			357,533				
Historic Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent Counted)‡§	18,490,205	54,830,949	18,324,288	3,778,136	72,790,785	36,199,623	69,257,223	48,203,252	1,595,824	11,436,542	14,413,769	10,421,390	38,043,981
Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent)‡	18,490,205	54,830,949	18,324,288	3,821,602	72,790,785	37,697,016	69,257,223	48,203,252	1,953,356	11,436,542	14,413,769	10,421,390	38,043,981

Sector	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Income Eligible Gas (Therms)	6,194,941	6,194,941	970,406	960,764	960,764	961,899	961,899	894,912	894,912	894,912	894,912	894,912	894,912	894,912
Income Eligible Gas (kWh Equivalent)	181,573,727	181,573,727	28,442,601	28,160,001	28,160,001	28,193,265	28,193,265	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863
CY2024 Portfolio Total Other Fuel Contribution to CPAS (Therms)	6,194,941	6,194,941	970,406	960,764	960,764	961,899	961,899	894,912	894,912	894,912	894,912	894,912	894,912	894,912
CY2024 Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent)†	181,573,727	181,573,727	28,442,601	28,160,001	28,160,001	28,193,265	28,193,265	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863
Historic Portfolio Total Other Fuel Contribution to CPAS (kWh Equivalent Counted)§	136,663,614	11,611,203	8,484,113	5,569,811	1,285,204	1,080,159								
Portfolio Total Other Fuel CPAS (kWh Equivalent)‡§	318,237,341	193,184,930	36,926,714	33,729,812	29,445,205	29,273,424	28,193,265	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863	26,229,863
CY2024 Portfolio Incremental Expiring Other Fuel Savings (Therms)			5,224,535	9,642		-1,135		66,987					894,912	
CY2024 Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent)‡			153,131,126	282,600		-33,263		1,963,402					26,229,863	
Historic Portfolio Incremental Expiring Other Fuel Savings (kWh Equivalent Counted)‡§	258,351	124,966,867	3,098,056	2,914,303	4,284,607		1,080,159							
Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent)‡	258,351	124,966,867	156,229,182	3,196,902	4,284,607	-33,263	1,080,159	1,963,402					26,229,863	

* Lifetime savings are the sum of CPAS savings through the EUL.

† kWh equivalent savings are calculated by multiplying therm savings by 29.31.

‡Historic savings go back to CY2018.

§ Portfolio Total Other Fuel CPAS (kWh Equivalent) is the sum of CY2024 equivalent kWh CPAS and historic equivalent kWh CPAS.

|| Incremental expiring savings are equal to CPAS Yn-1 - CPAS Yn.

Portfolio Total Incremental Expiring Other Fuel Savings (kWh Equivalent) is the sum of CY2024 portfolio incremental equivalent kWh counted and historic portfolio incremental expiring equivalent kWh savings counted.

Source: Evaluation team analysis

Below is the list of programs and measures with other fuel savings which were counted towards ComEd CPAS goal.

Table 2-7: Measure List and Savings from Other Fuel Counting Toward ComEd Goal

Sector	Program	Verified Gross Savings (Therms)	Verified Gross Savings (kWh Equivalent)	Verified Net Savings (Therms)	Verified Net Savings (kWh Equivalent)	Counted Measures (EUL)
Res & IE (Income Eligible)	Multifamily Upgrades	534,082	15,653,944	534,082	15,653,944	Ceiling Attic Insulation-Res (30), Basement Sidewall Insulation-Res (30), Wall Insulation-Res (30), High Efficiency Boiler-C&I (25), Air Sealing-Res (20), Air Sealing (20)
Res & IE (Income Eligible)	New Construction - IE	68,868	2,018,529	68,868	2,018,529	High-Performance HVAC Equipment (20), High-Performance Windows (20), Reduced Infiltration (20), Reduced Thermal Bridging (20)
Res & IE (Income Eligible)	Product Distribution	168,878	4,949,826	168,878	4,949,826	Closed-Foam Weatherstripping Roll (17") IE (20), Outlet Gasket IE (20), Switch Gasket IE (20), Door Sweep IE (20), Weatherstripping IE (20)
Res & IE (Income Eligible)	Retail/Online	4,986,934	146,167,045	4,986,934	146,167,045	Caulking DAC IE (20), Caulking IE (20), Door Sweep DAC IE (20), Door Sweep IE (20), Spray Foam Insulation DAC IE (20)
Res & IE (Income Eligible)	Single-Family Upgrades	500,948	14,682,774	500,948	14,682,774	Attic Insulation (30), Attic Insulation - DAC (30), Basement/Sidewall Insulation (30), Basement/Sidewall Insulation - DAC (30), Floor Insulation Above Crawlspace (30), Floor Insulation Above Crawlspace - DAC (30), Rim Joist Insulation (30), Rim Joist Insulation - DAC (30), Wall Insulation (30), Wall Insulation - DAC (30), Attic Insulation (30), Attic Insulation - DAC (30), Basement/Sidewall Insulation (30), Basement/Sidewall Insulation - DAC (30), Floor Insulation Above Crawlspace (30), Floor Insulation Above Crawlspace - DAC (30), Rim Joist Insulation (30), Rim Joist Insulation - DAC (30), Wall Insulation (30), Wall Insulation - DAC (30), Natural Gas Boiler (25), Natural Gas Boiler - DAC (25), Natural Gas Boiler (25), Natural Gas Boiler - DAC (25)
Total		6,259,711	183,472,118	6,259,711	183,472,118	

Note: This table shows only gross and net other fuel savings counted towards ComEd's goal in CY2024. Results shown for programs in sectors other than Income Eligible may be different from program specific reports.
Source: Evaluation team analysis

Table 2-8: CPAS from Electrification Counting Toward ComEd Goal-Program Level

Sector	Program	WAML*	CY2024 Verified Gross Savings (kWh)	NTG+	Lifetime Net Savings (kWh)†	2018	2019	2020	2021	2022	2023	2024	2025	2026
Business & Public Sector	Midstream/Upstream	15.00	26,835,947	0.80	322,812,893							21,520,860	21,520,860	21,520,860
Business & Public Sector	Incentives	15.00	9,979	0.56	83,820							5,588	5,588	5,588
Res & IE (Income Eligible)	Whole Home Electric	15.91	6,299,643	1.00	86,955,000							6,299,643	6,299,643	6,299,643
Res & IE (Income Eligible)	Contractor/Midstream Rebates	15.94	5,159,217	0.94	59,733,951							4,839,800	4,839,800	4,839,800
Res & IE (Income Eligible)	New Construction - IE	14.25	4,616,017	1.00	65,759,800							4,616,017	4,616,017	4,616,017
Res & IE (Income Eligible)	Retail/Online	16.00	29,529	1.00	472,469							29,529	29,529	29,529
Res & IE (Market Rate)	Contractor/Midstream Rebates	15.94	46,432,951	0.94	537,605,559							43,558,200	43,558,200	43,558,200
Res & IE (Market Rate)	Electric Homes New Construction	15.75	1,204,096	0.93	17,583,369							1,116,526	1,116,526	1,116,526
Res & IE (Market Rate)	Retail/Online	16.00	290,223	0.85	3,928,397							245,525	245,525	245,525
CY2024 Portfolio Total Electrification Contribution to CPAS		15.57	90,877,603	0.90	1,094,935,258							82,231,687	82,231,687	82,231,687
Historic Portfolio Total Electrification Contribution to CPAS§										12,406,329	52,328,731	52,328,731	52,328,731	52,328,731
Portfolio Total Electrification CPAS										12,406,329	52,328,731	134,560,418	134,560,418	134,560,418
CY2024 Portfolio Incremental Expiring Electrification Savings														
Historic Portfolio Incremental Expiring Electrification Savings#														
Portfolio Grand Total Incremental Expiring Electrification Savings*†														

Sector	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Business & Public Sector	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860	21,520,860		
Business & Public Sector	5,588	5,588	5,588	5,588	5,588	5,588	5,588	5,588	5,588	5,588	5,588	5,588		
Res & IE (Income Eligible)	6,299,643	6,299,643	6,299,643	6,299,643	4,823,462	4,823,462	4,823,462	4,823,462	4,823,462	4,821,253	4,820,307	4,216,823	14,585	
Res & IE (Income Eligible)	4,839,800	4,839,800	4,839,800	4,839,800	3,729,508	2,744,910	2,744,910	2,744,910	2,744,910	2,744,910	2,744,910	2,475,307	48,463	
Res & IE (Income Eligible)	4,616,017	4,616,017	4,616,017	4,616,017	4,616,017	4,616,017	4,616,017	4,616,017	4,590,808	4,587,943	4,587,943	1,216,921		
Res & IE (Income Eligible)	29,529	29,529	29,529	29,529	29,529	29,529	29,529	29,529	29,529	29,529	29,529	29,529		
Res & IE (Market Rate)	43,558,200	43,558,200	43,558,200	43,558,200	33,565,574	24,704,189	24,704,189	24,704,189	24,704,189	24,704,189	24,704,189	24,704,189	22,277,765	436,166
Res & IE (Market Rate)	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	1,116,526	835,484	
Res & IE (Market Rate)	245,525	245,525	245,525	245,525	245,525	245,525	245,525	245,525	245,525	245,525	245,525	245,525	245,525	
CY2024 Portfolio Total Electrification Contribution to CPAS		82,231,687	82,231,687	82,231,687	82,231,687	69,652,589	59,806,605	59,806,605	59,806,605	59,781,396	59,778,531	56,404,354	30,080,433	499,215
Historic Portfolio Total Electrification Contribution to CPAS§		52,328,731	52,249,584	51,776,409	49,561,773	47,969,956	47,969,956	47,969,956	46,574,056	43,471,211	39,583,786	21,941,856	282,368	282,368
Portfolio Total Electrification CPAS		134,560,418	134,481,272	134,008,096	131,793,460	117,622,545	107,776,562	107,776,562	106,355,452	103,249,742	99,360,108	78,346,210	30,362,801	781,583
CY2024 Portfolio Incremental Expiring Electrification Savings						12,579,099	9,845,983		25,209	2,865	2,209	3,371,969	26,323,921	29,581,218
Historic Portfolio Incremental Expiring Electrification Savings#			79,147	473,175	2,214,636	1,591,817			1,395,900	3,102,845	3,887,425	17,641,930	21,659,488	
Portfolio Grand Total Incremental Expiring Electrification Savings*†			79,147	473,175	2,214,636	14,170,916	9,845,983		1,421,110	3,105,710	3,889,634	21,013,898	47,983,409	29,581,218

Sector	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Business & Public Sector															
Business & Public Sector															
Res & IE (Income Eligible)	14,585	14,585	14,585												
Res & IE (Income Eligible)	48,463	48,463	48,463	48,463	48,463	48,463	48,463	48,463							
Res & IE (Income Eligible)															
Res & IE (Income Eligible)															
Res & IE (Market Rate)	436,166	436,166	436,166	436,166	436,166	436,166	436,166	436,166							
Res & IE (Market Rate)															
Res & IE (Market Rate)															

Sector	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
CY2024 Portfolio Total Electrification Contribution to CPAS	499,215	499,215	499,215	484,629	484,629	484,629	484,629	484,629							
Historic Portfolio Total Electrification Contribution to CPAS§	282,368	282,368	282,368	282,368	282,368	282,368	157,403								
Portfolio Total Electrification CPAS	781,583	781,583	781,583	766,997	766,997	766,997	642,032	484,629							
CY2024 Portfolio Incremental Expiring Electrification Savings				14,585					484,629						
Historic Portfolio Incremental Expiring Electrification Savings#							124,965	157,403							
Portfolio Grand Total Incremental Expiring Electrification Savings*†				14,585			124,965	157,403	484,629						

* WAML is the weighted average measure life across all measures and electrification savings in the program.

† The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>.

‡ Lifetime savings are the sum of CPAS savings through the EUL.

§ Historical electrification savings go back to CY2018.

|| Incremental expiring savings are equal to CPAS Yn-1 - CPAS Yn.

Historic incremental expiring electrification savings are equal to Historic CPAS Yn-1 – Historic CPAS Yn.

*† Portfolio total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

Source: Evaluation team analysis

Table 2-9: CPAS from Electrification Counting Toward ComEd Goal-IE vs Non-IE

Sector	CY2024 Verified Gross Savings (kWh)	Lifetime Net Savings (kWh)	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028
Income Eligible Electrification	18,788,001	245,202,510							17,937,076	17,937,076	17,937,076	17,937,076	17,937,076
All Other Electrification	60,229,059	723,638,841							53,811,228	53,811,228	53,811,228	53,811,228	53,811,228
CY2024 Portfolio Total Electrification Contribution to CPAS	79,017,060	968,841,351							71,748,304	71,748,304	71,748,304	71,748,304	71,748,304
Historic Portfolio Total Electrification Contribution to CPAS§							12,406,329	52,328,731	52,328,731	52,328,731	52,328,731	52,328,731	52,249,584
Portfolio Total Electrification CPAS							12,406,329	52,328,731	124,077,035	124,077,035	124,077,035	124,077,035	123,997,888
CY2024 Portfolio Incremental Expiring Electrification Savings													
Historic Portfolio Incremental Expiring Electrification Savings#													79,147
Portfolio Grand Total Incremental Expiring Electrification Savings*†													79,147

Sector	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042
Income Eligible Electrification	17,937,076	17,937,076	15,350,603	14,366,004	14,366,004	14,366,004	14,340,795	14,337,930	14,335,721	10,963,753	6,721,659	63,048	63,048	63,048
All Other Electrification	53,811,228	53,811,228	46,011,581	39,094,913	39,094,913	39,094,913	39,094,913	39,094,913	39,094,913	39,094,913	23,358,773	436,166	436,166	436,166
CY2024 Portfolio Total Electrification Contribution to CPAS	71,748,304	71,748,304	61,362,184	53,460,917	53,460,917	53,460,917	53,435,708	53,432,843	53,430,634	50,058,666	30,080,433	499,215	499,215	499,215
Historic Portfolio Total Electrification Contribution to CPAS§	51,776,409	49,561,773	47,969,956	47,969,956	47,969,956	47,969,956	46,574,056	43,471,211	39,583,786	21,941,856	282,368	282,368	282,368	282,368
Portfolio Total Electrification CPAS	123,524,713	121,310,077	109,332,140	101,430,873	101,430,873	101,430,873	100,009,763	96,904,054	93,014,420	72,000,522	30,362,801	781,583	781,583	781,583
CY2024 Portfolio Incremental Expiring Electrification Savings			10,386,120	7,901,267			25,209	2,865	2,209	3,371,969	19,978,233	29,581,218		
Historic Portfolio Incremental Expiring Electrification Savings#	473,175	2,214,636	1,591,817				1,395,900	3,102,845	3,887,425	17,641,930				
Portfolio Grand Total Incremental Expiring Electrification Savings*†	473,175	2,214,636	11,977,937	7,901,267			1,421,110	3,105,710	3,889,634	21,013,898	19,978,233	29,581,218		

Sector	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055
Income Eligible Electrification	63,048	48,463	48,463	48,463	48,463	48,463							
All Other Electrification	436,166	436,166	436,166	436,166	436,166	436,166							
CY2024 Portfolio Total Electrification Contribution to CPAS	499,215	484,629	484,629	484,629	484,629	484,629							
Historic Portfolio Total Electrification Contribution to CPAS§	282,368	282,368	282,368	282,368	157,403								
Portfolio Total Electrification CPAS	781,583	766,997	766,997	766,997	642,032	484,629							
CY2024 Portfolio Incremental Expiring Electrification Savings		14,585					484,629						
Historic Portfolio Incremental Expiring Electrification Savings#						124,965							
Portfolio Grand Total Incremental Expiring Electrification Savings*†		14,585				124,965	484,629						

* WAML is the weighted average measure life across all measures and electrification savings in the program.

† The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>.

‡ Lifetime savings are the sum of CPAS savings through the EUL.

§ Historical electrification savings go back to CY2018.

|| Incremental expiring savings are equal to CPAS Yn-1 - CPAS Yn.

Historic incremental expiring electrification savings are equal to Historic CPAS Yn-1 – Historic CPAS Yn.

*† Portfolio total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

Source: Evaluation team analysis

Table 2-10 shows the list of programs and measures with electrification savings which were counted towards ComEd CPAS goal. The criteria for counting electrification savings are discussed in more detail in section 2.2.2.

Table 2-10: Measure List and Savings from Electrification Counting Toward ComEd Goal

Program	Component	IE	End Use Type	Savings Category	Quantity	Increase in Average Electricity Consumption (kWh)	Increase in Electricity Consumption (kWh)	Decrease in Gas Consumption (therms)	Average Decrease in Gas Consumption (therms)	Decrease in Gas Consumption (kWh)	Net Change in Electricity Consumption (kWh)	Ex Ante Gross Savings (kWh)	Program Gross Realization Rate	Verified Gross Savings (kWh)	Program Net-to-Gross Ratio (NTG)	Verified Net Savings (kWh)	EUL
Contractor/Midstream Rebates	Midstream	TRUE	HVAC	Ground Source Heat Pump - Electrification (Income Eligible)	1.90	9,621	5,064	1,843	970	54,016	44,395	42,287	1.16	49,129	0.93	45,690	25.00
Contractor/Midstream Rebates	Midstream	TRUE	HVAC	Ground Source Heat Pump - Electrification - DAC (Income Eligible)	0.20	692	3,459	112	562	3,294	2,602	2,773	1.00	2,773	1.00	2,773	25.00
Whole Home Electric SF		TRUE	Other	Custom Measure: Fireplace - Electrification - DAC	4.00	818	204	313	78.25	9,174	8,356	10,437	0.80	8,341	1.00	8,341	20.00
Whole Home Electric SF		TRUE	Other	Custom Measure: Fireplace - Electrification	3.00	614	205	234	78.00	6,858	6,244	6,245	1.00	6,245	1.00	6,245	20.00
Contractor/Midstream Rebates	Midstream	TRUE	HVAC	Midstream ASHP - Electrification (Income Eligible)	284	3,072,369	10,805	237,313	835	6,955,633	3,883,264	3,883,264	1.00	3,883,264	0.93	3,611,436	16.00
Contractor/Midstream Rebates	Midstream	TRUE	HVAC	Midstream ASHP - Electrification -	34.87	333,115	9,553	26,737	767	783,669	450,555	450,555	1.00	450,555	1.00	450,555	16.00

Program	Component	IE	End Use Type	Savings Category	Quantity	Increase in Average Electricity Consumption (kWh)	Increase in Electricity Consumption (kWh)	Decrease in Gas Consumption (therms)	Average Decrease in Gas Consumption (therms)	Decrease in Gas Consumption (kWh)	Net Change in Electricity Consumption (kWh)	Ex Ante Gross Savings (kWh)	Program Gross Realization Rate	Verified Gross Savings (kWh)	Program Net-to-Gross Ratio (NTG)	Verified Net Savings (kWh)	EUL
				DAC (Income Eligible)													
New Construction - IE	Affordable Housing New Construction	TRUE	HVAC	VRF	99.00	608,187	6,143	117,295	1,185	3,437,903	2,829,715	2,816,747	1.00	2,829,715	1.00	2,829,715	16.00
Retail/Online	Income Eligible Retail	TRUE	Appliances	Electric Clothes Dryer EEE DAC IE	4.00	-201	-50	3.60	0.90	1,056	1,257	934	1.35	1,257	1.00	1,257	16.00
Retail/Online	Income Eligible Retail	TRUE	Appliances	Electric Clothes Dryer EEE IE	8.00	-336	-42	6.02	0.75	1,764	2,100	1,868	1.12	2,100	1.00	2,100	16.00
Retail/Online	Income Eligible Retail	TRUE	Appliances	Heat Pump Dryer EEE DAC IE	16.00	-1,183	-74	21.19	1.32	6,210	7,393	5,421	1.36	7,393	1.00	7,393	16.00
Retail/Online	Income Eligible Retail	TRUE	Appliances	Heat Pump Dryer EEE IE	21.00	-1,684	-80	30.16	1.44	8,839	10,523	7,551	1.39	10,523	1.00	10,523	16.00
Retail/Online	Income Eligible Retail	TRUE	Appliances	Induction Cooktop EEE DAC IE	9.00	999	111	11.43	1.27	3,350	1,881	1,881	1.00	1,881	1.00	1,881	16.00
Retail/Online	Income Eligible Retail	TRUE	Appliances	Induction Cooktop EEE IE	30.00	3,502	117	38.96	1.30	11,419	6,377	6,269	1.02	6,377	1.00	6,377	16.00
Whole Home Electric SF		TRUE	HVAC	Ductless Heat Pump - Electrification - DAC	2.00	12,569	6,285	1,729	864	50,664	38,094	38,094	1.00	38,094	1.00	38,094	16.00
Whole Home Electric SF		TRUE	HVAC	Ductless Heat Pump - Electrification	2.00	10,265	5,133	1,490	745	43,682	33,417	32,975	1.01	33,417	1.00	33,417	16.00
Whole Home Electric MF		TRUE	HVAC	Ductless Heat Pump - Electrification - DAC	8.00	47,613	5,952	6,346	793	185,978	138,366	138,366	1.00	138,366	1.00	138,366	16.00
Whole Home Electric SF		TRUE	HVAC	Air Source Heat Pump - Electrification - DAC	87.00	919,059	10,564	100,123	1,151	2,934,449	2,015,391	1,998,555	1.01	2,015,391	1.00	2,015,391	16.00
Whole Home Electric SF		TRUE	HVAC	Air Source Heat Pump - Electrification	34.00	377,048	11,090	42,135	1,239	1,234,892	857,843	847,925	1.01	857,843	1.00	857,843	16.00
Whole Home Electric MF		TRUE	HVAC	Air Source Heat Pump - Electrification - DAC	3.00	26,899	8,966	2,549	850	74,709	47,810	47,523	1.01	47,810	1.00	47,810	16.00
Whole Home Electric MF		TRUE	HVAC	Air Source Heat Pump - Electrification	244	1,061,297	4,350	121,074	496	3,548,490	2,487,193	2,462,733	1.01	2,487,193	1.00	2,487,193	16.00
Whole Home Electric SF		TRUE	Appliances	Clothes Dryer - Electrification - DAC	74.00	42,838	579	1,845	24.93	54,074	11,236	11,229	1.00	11,229	1.00	11,229	16.00
Whole Home Electric SF		TRUE	Appliances	Clothes Dryer - Electrification	30.00	16,721	557	732	24.40	21,454	4,733	4,727	1.00	4,727	1.00	4,727	16.00
Whole Home Electric MF		TRUE	Appliances	Clothes Dryer - Electrification - DAC	2.00	1,022	511	50.00	25.00	1,465	443	439	1.00	439	1.00	439	16.00
Whole Home Electric MF		TRUE	Appliances	Clothes Dryer - Electrification	16.00	7,474	467	399	24.94	11,694	4,220	4,216	1.00	4,216	1.00	4,216	16.00
Whole Home Electric SF		TRUE	Appliances	Cooktop - Electrification - DAC	79.00	20,781	263	1,605	20.32	47,040	26,259	26,256	1.00	26,268	1.00	26,268	16.00
Whole Home Electric SF		TRUE	Appliances	Cooktop - Electrification	31.00	8,246	266	635	20.48	18,611	10,365	10,350	1.00	10,350	1.00	10,350	16.00
Whole Home Electric MF		TRUE	Appliances	Cooktop - Electrification - DAC	9.00	2,543	283	192	21.33	5,627	3,084	3,052	1.01	3,075	1.00	3,075	16.00
New Construction - IE	Affordable Housing New Construction	TRUE	HVAC	Ducted Heat Pump	68.00	348,466	5,125	35,640	524	1,044,611	696,145	695,053	1.00	696,145	1.00	696,145	15.77
Contractor/Midstream Rebates	Midstream	TRUE	HVAC	Midstream DMSHP - Electrification (Income Eligible)	69.80	226,449	3,244	29,244	419	857,153	630,704	630,704	1.00	630,704	0.93	586,554	15.00
Contractor/Midstream Rebates	Midstream	TRUE	HVAC	Midstream DMSHP - Electrification - DAC (Income Eligible)	14.85	53,327	3,591	6,691	451	196,119	142,792	142,792	1.00	142,792	1.00	142,792	15.00
Midstream/Upstream	Instant Discounts	TRUE	HVAC	ASHP HVAC EEE IE	0.44	3,787	8,607	35.64	80.99	10,444	6,657			6,657	0.80	5,326	15.00

Program	Component	IE	End Use Type	Savings Category	Quantity	Increase in Average Electricity Consumption (kWh)	Increase in Average Electricity Consumption (kWh)	Decrease in Gas Consumption (therms)	Average Decrease in Gas Consumption (therms)	Decrease in Gas Consumption (kWh)	Net Change in Electricity Consumption (kWh)	Ex Ante Gross Savings (kWh)	Program Gross Realization Rate	Verified Gross Savings (kWh)	Program Net-to-Gross Ratio (NTG)	Verified Net Savings (kWh)	EUL
Midstream/Upstream	Instant Discounts	TRUE	HVAC	ASHP HVAC DAC EEE IE	2.53	14,607	5,774	120	47.32	35,086	20,479			20,479	1.00	20,479	15.00
Midstream/Upstream	Instant Discounts	TRUE	HVAC	MSHP HVAC EEE IE	2.42	15,008	6,202	152	62.69	44,466	29,458			29,458	0.80	23,566	15.00
Midstream/Upstream	Instant Discounts	TRUE	HVAC	MSHP HVAC DAC EEE IE	0.50	2,599	5,250	27.88	56.32	8,170	5,572			5,572	1.00	5,572	15.00
Midstream/Upstream	Instant Discounts	TRUE	Other	Fork Truck EEE IE	21.93	1,016,676	46,359	12,413	566	3,638,105	2,621,429			2,621,429	0.80	2,097,143	15.00
New Construction - IE	Affordable Housing New Construction	TRUE	HVAC	Ductless Heat Pump	44.00	62,402	1,418	5,533	126	162,164	99,762	99,762	1.00	99,762	1.00	99,762	15.00
Whole Home Electric SF		TRUE	Hot Water	Heat Pump Water Heater - Electrification - DAC	81.00	72,204	891	14,794	183	433,587	361,383	383,482	0.94	361,396	1.00	361,396	15.00
Whole Home Electric SF		TRUE	Hot Water	Heat Pump Water Heater - Electrification	32.00	33,685	1,053	6,844	214	200,586	166,901	170,005	0.98	166,902	1.00	166,902	15.00
Whole Home Electric MF		TRUE	Hot Water	Heat Pump Water Heater - Electrification - DAC	2.00	3,610	1,805	796	398	23,329	19,719	19,712	1.00	19,712	1.00	19,712	15.00
Whole Home Electric MF		TRUE	Hot Water	Heat Pump Water Heater - Electrification	16.00	10,098	631	2,237	140	65,563	55,465	55,475	1.00	55,475	1.00	55,475	15.00
Whole Home Electric MF		TRUE	Hot Water	Electric Water Heater - Electrification - DAC	3.00	8,163	2,721	386	129	11,313	3,150	3,644	0.87	3,155	1.00	3,155	13.30
New Construction - IE	Affordable Housing New Construction	TRUE	Appliances	Electric Dryers	115	73,132	636	3,453	30.03	101,206	28,074	19,480	1.44	28,074	1.00	28,074	11.10
New Construction - IE	Affordable Housing New Construction	TRUE	HVAC	PTHP	353	348,086	986	44,709	127	1,310,407	962,321	962,321	1.00	962,321	1.00	962,321	8.00
Contractor/Midstream Rebates	Midstream	FALSE	HVAC	Ground Source Heat Pump - Electrification (Non - Income Eligible)	17.10	86,589	5,064	16,586	970	486,146	399,557	380,580	1.16	442,164	0.93	411,212	25.00
Contractor/Midstream Rebates	Midstream	FALSE	HVAC	Ground Source Heat Pump - Electrification - DAC (Non - Income Eligible)	1.80	6,226	3,459	1,012	562	29,647	23,421	24,954	1.00	24,954	1.00	24,954	25.00
Contractor/Midstream Rebates	Midstream	FALSE	HVAC	Midstream ASHP - Electrification (Non - Income Eligible)	2,559	27,651,319	10,805	2,135,814	835	62,600,696	34,949,377	34,949,377	1.00	34,949,377	0.93	32,502,921	16.00
Contractor/Midstream Rebates	Midstream	FALSE	HVAC	Midstream ASHP - Electrification - DAC (Non - Income Eligible)	314	2,998,031	9,553	240,635	767	7,053,024	4,054,993	4,054,993	1.00	4,054,993	1.00	4,054,993	16.00
Electric Homes New Construction	EHNC	FALSE	HVAC	Ductless Mini Split Heat Pumps (DAC)	17.00	168,371	9,904	16,662	980	494,989	326,618	465,751	0.70	326,475	1.00	326,475	16.00
Electric Homes New Construction	EHNC	FALSE	HVAC	Ductless Mini Split Heat Pumps	9.00	96,212	10,690	9,521	1,058	282,847	186,635	266,143	0.70	186,557	0.80	149,246	16.00
Electric Homes New Construction	EHNC	FALSE	HVAC	Central Air Source Heat Pumps (DAC)	12.00	164,231	13,686	13,662	1,138	405,324	241,093	276,651	0.87	240,980	1.00	240,980	16.00
Electric Homes New Construction	EHNC	FALSE	HVAC	Central Air Source Heat Pumps	6.00	93,846	15,641	7,807	1,301	231,618	137,772	158,087	0.87	137,703	0.80	110,162	16.00
Electric Homes New Construction	EHNC	FALSE	Appliances	Efficient Appliances-Electrification (DAC)	25.00	15,454	618	730	29.20	21,382	5,928	5,916	1.00	5,916	1.00	5,916	16.00
Electric Homes New Construction	EHNC	FALSE	Appliances	Efficient Appliances-Electrification	13.00	8,831	679	417	32.08	12,214	3,383	3,380	1.00	3,380	0.80	2,704	16.00
Retail/Online	Appliance Rebates	FALSE	Appliances	Electric Clothes Dryer EEE DAC MR	10.00	-376	-38	6.73	0.67	1,972	2,348	2,335	1.01	2,348	1.00	2,348	16.00
Retail/Online	Appliance Rebates	FALSE	Appliances	Electric Clothes Dryer EEE MR	118	-4,395	-37	78.73	0.67	23,075	27,471	27,558	1.00	27,471	0.80	21,977	16.00

Program	Component	IE	End Use Type	Savings Category	Quantity	Increase in Average Electricity Consumption (kWh)	Increase in Electricity Consumption (kWh)	Decrease in Gas Consumption (therms)	Average Decrease in Gas Consumption (therms)	Decrease in Gas Consumption (kWh)	Net Change in Electricity Consumption (kWh)	Ex Ante Gross Savings (kWh)	Program Gross Realization Rate	Verified Gross Savings (kWh)	Program Net-to-Gross Ratio (NTG)	Verified Net Savings (kWh)	EUL
Retail/Online	Appliance Rebates	FALSE	Appliances	Heat Pump Dryer EEE DAC MR	34.00	-2,529	-74	45.30	1.33	13,275	15,804	12,030	1.31	15,804	1.00	15,804	16.00
Retail/Online	Appliance Rebates	FALSE	Appliances	Heat Pump Dryer EEE MR	265	-20,062	-76	359	1.36	105,324	125,386	98,216	1.28	125,386	0.80	100,308	16.00
Retail/Online	Appliance Rebates	FALSE	Appliances	Induction Cooktop EEE DAC MR	63.00	6,993	111	80.01	1.27	23,450	13,165	13,165	1.00	13,165	1.00	13,165	16.00
Retail/Online	Appliance Rebates	FALSE	Appliances	Induction Cooktop EEE MR	337	37,750	112	430	1.28	125,941	70,636	70,421	1.00	70,636	0.80	56,509	16.00
Retail/Online	ESRPP	FALSE	Appliances	Induction Cooktops - Electrification	136	15,049	111	1,722	12.70	50,463	35,414			35,414	1.00	35,414	16.00
Electric Homes New Construction	EHNC	FALSE	Hot Water	High-Performance Water Heating Equipment-Electrification (DAC)	28.00	41,050	1,466	7,858	281	233,999	192,949	189,211	1.02	192,872	1.00	192,872	15.00
Electric Homes New Construction	EHNC	FALSE	Hot Water	High-Performance Water Heating Equipment-Electrification	16.00	23,457	1,466	4,490	281	133,705	110,248	108,121	1.02	110,213	0.80	88,170	15.00
Incentives	Custom	FALSE	Other	Other (Electrification)	1.00	23,681	23,681	1,144	1,144	33,534	9,853	9,859	1.01	9,979	0.56	5,588	15.00
Midstream/Upstream	Instant Discounts	FALSE	HVAC	ASHP HVAC EEE	3.96	34,082	8,607	321	80.99	93,998	59,915	69,304	0.86	59,915	0.80	47,932	15.00
Midstream/Upstream	Instant Discounts	FALSE	HVAC	ASHP HVAC DAC EEE	22.77	131,463	5,774	1,077	47.32	315,776	184,312	214,347	0.86	184,312	1.00	184,312	15.00
Midstream/Upstream	Instant Discounts	FALSE	HVAC	MSHP HVAC EEE	21.78	135,076	6,202	1,365	62.69	400,195	265,119	322,129	0.82	265,119	0.80	212,095	15.00
Midstream/Upstream	Instant Discounts	FALSE	HVAC	MSHP HVAC DAC EEE	4.46	23,388	5,250	251	56.32	73,533	50,145	60,920	0.82	50,145	1.00	50,145	15.00
Midstream/Upstream	Instant Discounts	FALSE	Other	Fork Truck EEE	147	7,250,059	49,268	88,520	602	25,943,839	18,693,780	26,213,534	0.71	18,693,780	0.80	14,955,024	15.00
Total					6,144	47,856,983	366,892	3,378,532	24,580	126,848,288	78,968,448	84,042,081	0.94	79,017,060	0.91	71,748,303	15.68

Note: This table shows only gross and net electrification savings counted towards ComEd's goal in CY2024. Results shown for programs in sectors other than Income Eligible may be different from program specific reports.
Source: Evaluation team analysis

Table 2-11: Total CPAS Counting Toward ComEd Goal– Electric Direct + Other Fuel Counted + Electrification Counted

Sector	Program	CY2024			Lifetime Net Savings (kWh) †	2018	2019	2020	2021	2022	2023	2024	2025	2026
		WAML	Verified Gross Savings (kWh)	NTG*										
Business & Public Sector	Incentives	14.05	238,186,888	0.87	2,903,841,280							207,817,533	207,791,641	205,975,005
Business & Public Sector	Small Business	14.00	223,878,317	0.95	2,821,464,864							213,715,412	213,665,515	212,334,467
Business & Public Sector	Midstream/Upstream	14.29	223,378,351	0.85	2,693,658,737							190,444,155	190,444,155	187,651,058
Business & Public Sector	Targeted Systems	8.30	107,897,809	0.84	738,403,456							90,836,052	90,836,052	90,836,052
Business & Public Sector	Behavior Bus/Pub	7.00	45,841,394	1.00	320,889,755							45,841,394	45,841,394	45,841,394
Business & Public Sector	New Construction - Bus/Pub	17.40	10,636,432	0.54	99,690,777							5,729,355	5,729,355	5,729,355
Business & Public Sector	EMS - Small Business - Pilot	15.00	77,710	0.80	932,516							62,168	62,168	62,168
Res & IE	Retail/Online	15.94	538,151,593	0.93	7,937,787,259							502,009,109	502,007,392	502,007,392
Res & IE	Product Distribution	8.49	280,017,285	1.00	2,291,664,525							279,961,766	277,704,265	275,925,671
Res & IE	Contractor/Midstream Rebates	15.93	74,311,687	0.94	828,867,812							69,694,981	69,694,981	69,694,981
Res & IE	Multifamily Upgrades	18.08	53,297,869	0.99	957,591,637							52,592,350	51,356,003	51,319,771
Res & IE	Single-Family Upgrades	20.65	29,734,747	1.00	563,609,140							29,650,516	29,650,516	29,650,516
Res & IE	New Construction - IE	15.96	9,651,622	1.00	154,039,697							9,651,622	9,651,622	9,651,622
Res & IE	Whole Home Electric	16.00	7,563,051	1.00	102,671,841							7,563,051	7,563,051	7,563,051
Res & IE	Electric Homes New Construction	15.59	1,588,628	0.93	22,961,656							1,473,091	1,473,091	1,472,165
Res & IE	ASI kWh Purchase**	22.56	806,898	0.95	16,291,033							770,527	770,527	770,527
Res & IE	Behavior - Res/IE	10.00			358,650,175							100,555,672	73,528,138	53,909,309
Res & IE	Voltage Optimization	15.00	99,924,803	1.00	1,498,872,043							99,924,803	99,924,803	99,924,803
CY2024 Portfolio Total Contribution to CPAS (kWh)			1,944,945,080	24,311,888,203								1,908,293,556	1,877,694,668	1,850,319,305
Historic Portfolio Total Contribution to CPAS†						1,859,781,075	3,426,787,036	5,139,036,924	6,513,673,306	8,083,256,428	9,469,289,846	8,962,577,115	8,484,960,538	8,040,887,844
Legacy Savings (kWh)§							4,087,238,480	3,537,033,300	3,144,029,597	2,933,997,266	2,573,016,371	2,324,014,787	2,075,013,202	1,909,012,146
Portfolio Total CPAS (kWh)						1,859,781,075	7,514,025,516	8,676,070,224	9,657,702,903	11,017,253,694	12,042,306,217	13,194,885,458	12,437,668,408	11,800,219,295
CY2024 Portfolio Incremental Expiring Savings													30,598,888	27,375,363
Historic Portfolio Incremental Expiring Savings#												506,712,731	477,616,577	444,072,694
Legacy Incremental Expiring Savings														166,001,056
Portfolio Grand Total Incremental Expiring Savings*†												249,001,584	249,001,584	249,001,584
Progress towards Applicable Annual Incremental Goal (AAIG) †‡														1,152,579,241

Sector	Program	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040
Business & Public Sector	Incentives	204,430,446	202,609,738	199,902,799	198,599,937	197,084,284	196,778,747	186,935,337	170,053,663	161,895,431	155,716,625	146,919,776	146,206,591	26,615,086	15,064,589
Business & Public Sector	Small Business	207,106,286	199,934,940	196,346,360	195,244,854	193,285,366	191,980,226	189,351,722	167,603,118	153,985,352	145,340,853	132,593,941	130,232,320	25,452,169	5,921,329
Business & Public Sector	Midstream/Upstream	187,651,058	180,667,469	177,575,423	177,575,423	177,575,423	177,575,423	177,516,499	177,511,730	172,716,399	168,327,004	168,325,436	160,114,353	21,757,736	57,499
Business & Public Sector	Targeted Systems	63,062,902	60,990,937	60,990,937	60,990,937	49,221,760	36,047,826	24,371,671	24,223,090	24,223,090	24,223,090	12,072,995	12,072,995	2,392,397	2,392,397

2.3 Weighted Average Measure Life

Guidehouse calculated gross first year savings of 2,045,501 MWh¹² and the weighted average measure life (WAML) for the CY2024 programs as 13.4 years excluding Voltage Optimization and 13.5 years including Voltage Optimization. The gross lifetime savings were 27,618,215 MWh.

The equation to calculate the portfolio level WAML is shown in Equation 2-5 where the summation occurs across all programs with savings during CY2024, except for Voltage Optimization. The WAML calculation includes the electric-equivalent of the portion of other fuel savings and electrification savings that ComEd can claim toward goal, as discussed in the previous section.

Equation 2-5. Portfolio Level WAML Calculation

$$WAML = \frac{\sum(\text{Program Level WAML} * \text{Program Level First Year Verified Gross Savings})}{\sum(\text{Program Level First Year Verified Gross Savings})}$$

Where

<i>Program Level WAML</i>	is the program level WAML
<i>Program Level Verified Gross Savings</i>	is the gross verified savings for the program that occurred during CY2024 including electric and claimable gas savings.

The program level WAML is calculated as shown in Equation 2-6 where the summation occurs across all the measures¹³ in the program.

Equation 2-6. Program Level WAML Calculation

$$\text{Program Level WAML} = \frac{\sum(\text{Measure Level EUL} * \text{Measure Level First Year Verified Gross Savings})}{\sum(\text{Measure Level First Year Verified Gross Savings})}$$

Where

<i>Measure Level EUL</i>	is the effective useful life (EUL) for each measure in the program ¹⁴
<i>Measure Level Verified Gross Savings</i>	is the gross verified savings during the period for each measure in the program

¹² Includes verified net savings from Behavior – Res/IE program counted as gross for the purpose of calculating WAML.

¹³ Not all programs have measures (for example New Construction). In these cases, the EUL is aggregated from whatever level program savings are reported at (e.g. building, project, etc.).

¹⁴ EUL values are either provided in the TRM or through Guidehouse research.

Table 2-12 shows savings for each program and calculated WAML. The lifetime savings are estimated by multiplying the first year verified gross savings by the WAML.

Table 2-12: WAML and Verified Gross Savings by Program

Sector	Program	First Year Verified Gross Savings (kWh)	Lifetime Gross Savings (kWh)	WAML
Business & Public Sector				
Business & Public Sector	Incentives	238,186,888	3,346,188,119	14.0
Business & Public Sector	Small Business	223,878,317	3,135,110,563	14.0
Business & Public Sector	Midstream/Upstream	223,378,351	3,192,053,509	14.3
Business & Public Sector	Targeted Systems	107,897,809	895,917,169	8.3
Business & Public Sector	Behavior Bus/Pub	45,841,394	320,889,755	7.0
Business & Public Sector	New Construction - Bus/Pub	10,636,432	185,073,914	17.4
Business & Public Sector	EMS - Small Business - Pilot	77,710	1,165,644	15.0
Business & Public Sector	Subtotal	849,896,900	11,076,398,674	13.0
Res & IE				
Res & IE	Retail/Online	538,151,593	8,579,695,278	15.9
Res & IE	Product Distribution	280,017,285	2,378,088,774	8.5
Res & IE	Behavior - Res/IE*	100,555,672	1,005,556,719	10.0
Res & IE	Contractor/Midstream Rebates	74,311,687	1,183,904,490	15.9
Res & IE	Multifamily Upgrades	53,297,869	963,677,542	18.1
Res & IE	Single-Family Upgrades	29,734,747	614,012,970	20.6
Res & IE	New Construction - IE	9,651,622	154,039,697	16.0
Res & IE	Whole Home Electric	7,563,051	121,005,080	16.0
Res & IE	Electric Homes New Construction	1,588,628	24,762,570	15.6
Res & IE	ASI kWh Purchase**	806,898	18,200,665	22.6
Res & IE	Subtotal	1,095,679,050	15,042,943,787	13.7
Portfolio	Grand Total Excluding VO	1,945,575,950	26,119,342,461	13.4
Voltage Optimization				
Voltage Optimization	Voltage Optimization	99,924,803	1,498,872,043	15.0
Voltage Optimization	Subtotal	99,924,803	1,498,872,043	15.0
Portfolio	Grand Total Including VO	2,045,500,752	27,618,214,504	13.5

Note: Verified Gross Savings include both electric savings and converted kWh equivalents from other fuel counted towards goal, electrification savings, and secondary electric energy (kWh) savings from water supply and wastewater treatment plants for measures claimed by ComEd. The WAML values in this table will differ from Table 2-3 for programs that saved other fuel because some programs have different electric and other fuel WAML based on measure types and whether they saved other fuel. Therefore, the WAML shown in this table is a weighted value for programs that saved both electric and other fuel.

* No verified gross savings. Verified Net savings are used for WAML calculation.

**The ASI kWh Purchase is not included as a program, but the savings are counted in this table as part of the residential sector kWh savings.

Source: Evaluation team analysis

3. Savings by Program

The electricity savings by program are shown in the following tables and figures. Table 3-1 shows the direct electric savings which includes primary kWh savings from efficient measures (includes efficiency savings from electrification measures but excludes the electrification savings), and secondary kWh savings from water supply and wastewater treatment from measures claimed by ComEd. It also includes carryover savings, and applicable electric heating penalties. It does not include other fuel savings and electrification converted to electricity. Table 3-2 includes savings from gas and electrification converted to electricity, counting only those savings that ComEd can claim within the 10% limit for other fuel and 5% limit for electrification, as discussed above in Section 2.1.

Table 3-1: Energy Savings by Program – Electric Only

Sector	Program	Ex Ante Gross Savings (kWh)	Verified Gross Realization Rate	Verified Gross Savings (kWh)	NTG*	Verified Net Savings (kWh)
Business & Public Sector	Incentives	244,448,038	0.97	238,176,910	0.87	207,811,945
Business & Public Sector	Small Business	222,088,414	1.01	223,878,317	0.95	213,715,412
Business & Public Sector	Midstream/Upstream	181,225,722	1.11	201,441,483	0.86	172,842,560
Business & Public Sector	Targeted Systems	109,307,790	0.99	107,897,809	0.84	90,836,052
Business & Public Sector	Behavior Bus/Pub	45,798,150	1.00	45,841,394	1.00	45,841,394
Business & Public Sector	New Construction - Bus/Pub	10,711,188	0.99	10,636,432	0.54	5,729,355
Business & Public Sector	EMS - Small Business - Pilot	77,710	1.00	77,710	0.80	62,168
Business & Public Sector	Subtotal	813,657,011	1.02	827,950,054	0.89	736,838,885
Res & IE	Retail/Online	364,884,105	1.07	391,664,795	0.91	355,567,009
Res & IE	Product Distribution	263,596,745	1.04	275,067,458	1.00	275,011,940
Res & IE	Multifamily Upgrades	37,489,953	1.00	37,643,925	0.98	36,938,406
Res & IE	Contractor/Midstream Rebates	25,205,762	1.18	29,680,982	0.94	27,861,101
Res & IE	Single-Family Upgrades	15,090,324	1.00	15,051,973	0.99	14,967,742
Res & IE	New Construction - IE	3,152,758	0.96	3,017,075	1.00	3,017,075
Res & IE	Whole Home Electric	1,247,217	1.01	1,263,408	1.00	1,263,408
Res & IE	ASI kWh Purchase**	831,891	0.97	806,898	0.95	770,527
Res & IE	Electric Homes New Construction	349,130	1.10	384,532	0.93	356,566
Res & IE	Behavior - Res/IE†					100,555,672
Res & IE	Subtotal	711,847,885	1.06	754,581,046	1.08	816,309,447
Voltage Optimization	Voltage Optimization	100,125,553	1.00	99,924,803	1.00	99,924,803
Voltage Optimization	Subtotal	100,125,553	1.00	99,924,803	1.00	99,924,803
Portfolio	Grand Total	1,625,630,449	1.03	1,682,455,902	0.98	1,653,073,134

Note: Programs that verified gross and net kWh savings include carryover savings are Midstream/Upstream, Retail Online, Small Business, Single Family Upgrades and Product Distribution.

* The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>. Guidehouse calculated the portfolio NTG ratio by dividing the total net savings by the total verified gross savings.

† Program did not report ex ante gross savings, and thus the evaluation did not calculate verified gross savings but only verified net savings.

**The ASI kWh Purchase is not included as a program, but the savings are counted in this table as part of the residential sector kWh savings.

Source: Evaluation team analysis

Table 3-2: Energy Savings by Program – Total Electric + Converted Other Fuel + Electrification

Sector	Program	Ex Ante Gross Savings (kWh)	Verified Gross Realization Rate	Verified Gross Savings (kWh)	NTG ⁺	Verified Net Savings (kWh)
Business & Public Sector	Incentives	244,457,897	0.97	238,186,888	0.87	207,817,533
Business & Public Sector	Small Business	222,088,414	1.01	223,878,317	0.95	213,715,412
Business & Public Sector	Midstream/Upstream	208,105,956	1.07	223,378,351	0.85	190,444,155
Business & Public Sector	Targeted Systems	109,307,790	0.99	107,897,809	0.84	90,836,052
Business & Public Sector	Behavior Bus/Pub	45,798,150	1.00	45,841,394	1.00	45,841,394
Business & Public Sector	New Construction - Bus/Pub	10,711,188	0.99	10,636,432	0.54	5,729,355
Business & Public Sector	EMS - Small Business - Pilot	77,710	1.00	77,710	0.80	62,168
Business & Public Sector	Subtotal	840,547,105	1.01	849,896,900	0.89	754,446,068
Res & IE	Retail/Online	475,801,424	1.13	538,151,593	0.93	502,009,109
Res & IE	Product Distribution	268,544,902	1.04	280,017,285	1.00	279,961,766
Res & IE	Contractor/Midstream Rebates	69,768,040	1.07	74,311,687	0.94	69,694,981
Res & IE	Multifamily Upgrades	53,362,627	1.00	53,297,869	0.99	52,592,350
Res & IE	Single-Family Upgrades	29,581,186	1.01	29,734,747	1.00	29,650,516
Res & IE	New Construction - IE	9,758,459	0.99	9,651,622	1.00	9,651,622
Res & IE	Whole Home Electric	7,522,655	1.01	7,563,051	1.00	7,563,051
Res & IE	Electric Homes New Construction	1,822,390	0.87	1,588,628	0.93	1,473,091
Res & IE	ASI kWh Purchase**	831,891	0.97	806,898	0.95	770,527
Res & IE	Behavior - Res/IE‡					100,555,672
Res & IE	Subtotal	916,993,577	1.09	995,123,378	1.06	1,053,922,685
Voltage Optimization	Voltage Optimization	100,125,553	1.00	99,924,803	1.00	99,924,803
Voltage Optimization	Subtotal	100,125,553	1.00	99,924,803	1.00	99,924,803
Portfolio	Grand Total	1,857,666,234	1.05	1,944,945,080	0.98	1,908,293,556

Note: Programs that verified gross and net kWh savings include carryover savings are Midstream/Upstream, Retail Online, Small Business, Single Family Upgrades, and Product Distribution.

* The ex ante are direct electric savings plus counted converted gas and electrification savings. The verified savings are direct electric savings plus counted converted gas and electrification savings.

† The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>. Guidehouse calculated the portfolio NTG ratio by dividing the total net savings by the total verified gross savings.

‡ Program did not report ex ante gross savings, and thus the evaluation did not calculate verified gross savings but only verified net savings.

**The ASI kWh Purchase is not included as a program, but the savings are counted in this table as part of the residential sector kWh savings.

Source: Evaluation team analysis

Table 3-3 breaks down the Res/IE programs and show IE savings, including savings from electric, other fuel counted and electrification savings.

Table 3-3: Income Eligible Energy Savings – Total Electric + Converted Other Fuel + Electrification

Sector	Program	Ex Ante Gross Savings (kWh)	Verified Gross Realization Rate	Verified Gross Savings (kWh)	NTG ⁺	Verified Net Savings (kWh)
Business & Public Sector	Midstream/Upstream	N/R	N/A	2,683,595	0.80	2,152,086
Business & Public Sector	Subtotal			2,683,595	0.80	2,152,086
Res & IE	Retail/Online	354,143,680	0.99	352,277,697	1.00	351,702,712
Res & IE	Product Distribution	264,983,685	1.04	275,879,613	1.00	275,879,613
Res & IE	Multifamily Upgrades	47,229,012	0.98	46,401,560	1.00	46,401,560
Res & IE	Single-Family Upgrades	29,248,034	0.99	28,924,442	1.00	28,924,442
Res & IE	New Construction - IE	9,827,117	0.98	9,651,622	1.00	9,651,622
Res & IE	Whole Home Electric	7,522,655	1.01	7,563,051	1.00	7,563,051
Res & IE	Contractor/Midstream Rebates	5,152,374	1.00	5,159,217	0.94	4,839,800
Res & IE	Subtotal	718,106,557	1.01	725,857,201	1.00	724,962,799
Portfolio	Grand Total	718,106,557	1.01	728,540,796	1.00	727,114,885

Note: Programs that verified gross and net kWh savings include carryover savings are Midstream/Upstream, Retail Online, and Product Distribution.

NR – means not reported

* The ex ante are direct electric savings plus counted converted gas and electrification savings. The verified savings are direct electric savings plus counted converted gas and electrification savings.

† The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>.

Guidehouse calculated the portfolio NTG ratio by dividing the total net savings by the total verified gross savings.

Source: Evaluation team analysis

Table 3-4 breaks down the programs that had carryover electric and peak demand savings from measures sold or incented in CY2022 and CY2023 that were installed in CY2024.

Table 3-4: Carryover Energy Savings by Program

Savings Type	Sector	Program	Verified Gross Carryover	NTG*	Verified Net Carryover
Energy (kWh)	Business & Public Sector	Midstream/Upstream	17,830,620	0.81	14,405,068
Energy (kWh)	Business & Public Sector	Small Business	142,228	0.94	133,694
Energy (kWh)	Res & IE	Product Distribution	13,180,761	1.00	13,180,761
Energy (kWh)	Res & IE	Retail/Online	23,113,175	0.58	13,312,547
Energy (kWh)	Res & IE	Single-Family Upgrades	112,375	0.84	94,290
Energy (kWh)	Portfolio	Total	54,379,159	0.76	41,126,360
Peak Demand (kW)	Business & Public Sector	Midstream/Upstream	4,154	0.81	3,353
Peak Demand (kW)	Business & Public Sector	Small Business	31.76	0.94	29.85
Peak Demand (kW)	Res & IE	Product Distribution	1,464	1.00	1,464
Peak Demand (kW)	Res & IE	Retail/Online	2,919	0.57	1,667
Peak Demand (kW)	Res & IE	Single-Family Upgrades	15.00	0.83	12.47
Peak Demand (kW)	Portfolio	Total	8,584	0.76	6,526

* The program-level NTG values shown are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>.

Source: Evaluation team analysis

Table 3-5 shows total summer peak demand savings by program.

Table 3-5: Summer Peak Demand Savings by Program

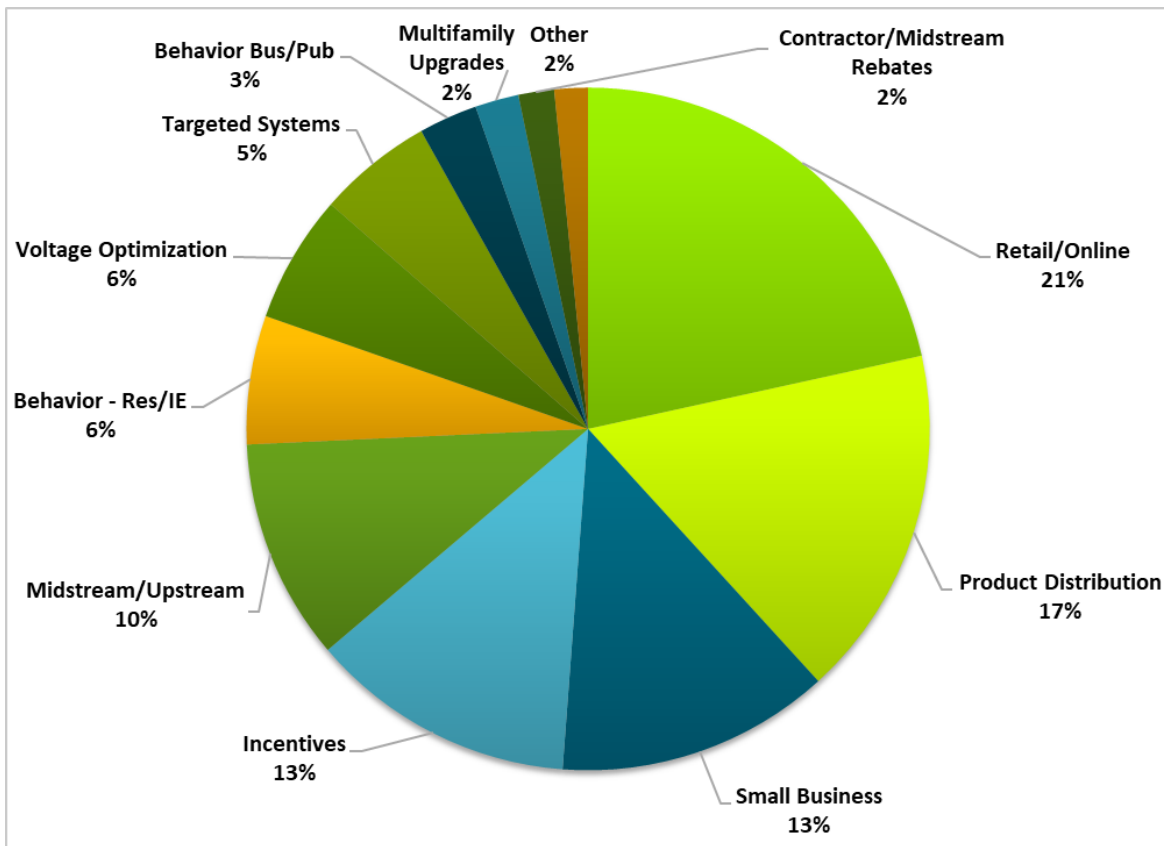
Sector	Program	Ex Ante Gross Savings (kW)	Verified Gross Realization Rate	Verified Gross Savings (kW)	NTG*	Verified Net Savings (kW)
Business & Public Sector	Small Business	43,331	1.00	43,236	0.95	41,272
Business & Public Sector	Incentives	44,467	0.94	41,823	0.93	38,757
Business & Public Sector	Midstream/Upstream	36,000	1.12	40,460	0.87	35,035
Business & Public Sector	Targeted Systems	11,534	1.04	12,035	0.82	9,821
Business & Public Sector	New Construction - Bus/Pub	1,283	1.16	1,486	0.55	818
Business & Public Sector	Behavior Bus/Pub					
Business & Public Sector	Subtotal	136,615	1.02	139,040	0.90	125,704
Res & IE (Income Eligible)	Product Distribution	30,977	1.05	32,382	1.00	32,382
Res & IE (Income Eligible)	Retail/Online	32,154	0.66	21,349	1.00	21,275
Res & IE (Income Eligible)	Multifamily Upgrades	6,712	0.78	5,265	1.00	5,265
Res & IE (Income Eligible)	Single-Family Upgrades	2,740	1.00	2,746	1.00	2,746
Res & IE (Income Eligible)	New Construction - IE	456	0.97	442	1.00	442
Res & IE (Income Eligible)	Contractor/Midstream Rebates	160	1.00	160	0.94	150
Res & IE (Income Eligible)	Whole Home Electric	-492	0	123	1.00	123
Res & IE (Income Eligible)	Subtotal	72,708	0.86	62,466	1.00	62,383
Res & IE (Market Rate)	Retail/Online	66,932	0.17	11,479	0.80	9,167
Res & IE (Market Rate)	Contractor/Midstream Rebates	2,832	1.00	2,836	0.94	2,654
Res & IE (Market Rate)	Multifamily Upgrades	662	1.02	677	0.88	594
Res & IE (Market Rate)	Product Distribution	470	1.09	512	1.00	512
Res & IE (Market Rate)	ASI kWh Purchase**	355	0.95	336	0.95	320
Res & IE (Market Rate)	Single-Family Upgrades	131	1.00	131	0.90	118
Res & IE (Market Rate)	Electric Homes New Construction	35.21	0.97	33.99	0.93	31.52
Res & IE (Market Rate)	Behavior - Res/IE					17,356
Res & IE (Market Rate)	Subtotal	71,416	0.22	16,005	1.92	30,753
Voltage Optimization	Voltage Optimization	17,530	1.01	17,732	1.00	17,732

Sector	Program	Ex Ante Gross Savings (kW)	Verified Gross Realization Rate	Verified Gross Savings (kW)	NTG*	Verified Net Savings (kW)
Voltage Optimization	Subtotal	17,530	1.01	17,732	1.00	17,732
Portfolio	Grand Total	298,270	0.79	235,243	1.01	236,573

* The program-level NTG values shown in this table are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024>. Programs without ex ante gross or verified gross values were excluded from the calculation of the portfolio realization rate and NTG. These programs are typically those where consumption data analysis is used to calculate net savings directly.
Source: Evaluation team analysis

Figure 3-1 shows energy savings for the CY2024 programs with highest net savings impact.

Figure 3-1. Net Energy Savings by Program – Electric Only



Source: Evaluation team analysis

Table 3-6 shows the net savings compared to goal by CY2024 programs.

Table 3-6: Comparing Electric Savings Goals to Actual Achieved by CY2024 Program

Sector	Program	Verified Net 2024 Electric Savings (kWh)	Original Plan Savings Goal (kWh)	Implementation Plan Savings Goal (kWh)	Verified Net over Original Plan	Verified Net over Implementation Plan
Business & Public Sector	Small Business	213,581,718	250,488,428	215,738,240	0.85	0.99
Business & Public Sector	Incentives	207,811,945	227,183,280	205,356,410	0.91	1.01
Business & Public Sector	Midstream/Upstream	158,437,492	109,097,000	139,856,000	1.45	1.13
Business & Public Sector	Targeted Systems	90,836,052	101,958,000	96,071,110	0.89	0.95
Business & Public Sector	Behavior Bus/Pub	45,841,394	45,412,000	45,413,340	1.01	1.01
Business & Public Sector	New Construction - Bus/Pub	5,729,355	6,037,000	5,784,320	0.95	0.99
Business & Public Sector	EMS - Small Business - Pilot	62,168	-	-	-	-

Sector	Program	Verified Net 2024 Electric Savings (kWh)	Original Plan Savings Goal (kWh)	Implementation Plan Savings Goal (kWh)	Verified Net over Original Plan	Verified Net over Implementation Plan
Business & Public Sector	Subtotal	722,300,123	740,175,708	708,219,420	0.98	1.02
Res & IE	Retail/Online	342,254,462	203,465,000	333,519,210	1.68	1.03
Res & IE	Product Distribution	261,831,179	260,360,180	263,771,930	1.01	0.99
Res & IE	Behavior - Res/IE	100,555,672	93,451,000	103,001,000	1.08	0.98
Res & IE	Multifamily Upgrades	36,938,406	33,860,000	33,113,000	1.09	1.12
Res & IE	Contractor/Midstream Rebates	27,861,101	18,516,000	23,777,000	1.50	1.17
Res & IE	Single-Family Upgrades	14,873,452	14,309,000	14,975,000	1.04	0.99
Res & IE	New Construction - IE	3,017,075	2,895,000	3,361,160	1.04	0.90
Res & IE	Whole Home Electric	1,263,408	-	-	-	-
Res & IE	ASI kWh Purchase**	770,527	1,035,000	1,035,000	0.74	0.74
Res & IE	Electric Homes New Construction	356,566	226,000	297,240	1.58	1.20
Res & IE	Subtotal	789,721,849	628,117,180	776,850,540	1.26	1.02
Voltage Optimization	Voltage Optimization	99,924,803	119,063,000	119,063,000	0.84	0.84
Voltage Optimization	Subtotal	99,924,803	119,063,000	119,063,000	0.84	0.84
Other	Lighting Carryover	41,126,360	37,770,000	41,128,000	1.09	1.00
Other	Therm Conversion	183,472,118	183,472,000	183,472,000	1.00	1.00
Other	Electrification	71,748,304	74,319,700	97,419,025	0.97	0.74
Portfolio	Grand Total	1,908,293,556	1,782,917,588	1,926,151,985	1.07	0.99

Note: Electrification, Carryover and Therm Conversion are in separate rows in this table so program or sector-level totals will not match tables where they are incorporated in the program or sector totals.

Source: Goals values are from the ComEd - CY2024 Q4 Statewide Quarterly Report; ICC approved plan compliance filing (Commission's Final Order approving the EE Plan. For Section 8-104 programs); evaluation team analysis.

4. Savings by Measure

Lighting measures contributed the most energy and peak demand savings to the portfolio by a substantial margin as shown in the end-use type categories in Table 4-1, Table 4-2, and Figure 4-1.

Table 4-1: Energy Savings by Measure Category – Electric Only

End Use Type	Ex Ante Gross Savings (kWh)	Verified Gross Savings (kWh)	Verified Net Savings (kWh)
Lighting	885,789,088	942,526,935	894,298,714
Shell	219,132,341	216,947,484	193,304,736
Other	145,959,751	147,317,762	117,539,151
Voltage Optimization	100,125,553	99,924,803	99,924,803
HVAC	57,549,991	63,628,049	61,061,419
Non-Lighting	64,218,307	60,220,412	53,596,167
Compressed Air	60,416,487	59,624,537	46,592,356
Refrigeration	26,167,087	25,968,792	23,975,825
Consumer Electronics	23,257,670	23,140,558	23,077,822
Appliances	16,998,863	18,705,043	16,545,194
Hot Water	8,699,708	8,863,156	8,636,449
EMS	6,659,430	5,046,456	4,491,346
Lighting (DAC)	4,996,077	4,951,946	4,951,946
Street Lighting	2,181,417	2,181,417	1,766,948
Food Service Equipment	1,659,920	1,646,810	1,345,493
WWTP	1,563,479	1,532,557	1,180,069
Non-Lighting (DAC)	251,961	226,010	226,010
Thermostat	3,320	3,175	3,016
Behavior			100,555,672
Grand Total	1,625,630,449	1,682,455,902	1,653,073,134

Note: The verified savings in this table include secondary electric energy (kWh) savings from water supply and wastewater treatment plants for measures claimed by ComEd. The verified savings account for electric heating penalties, where applicable.

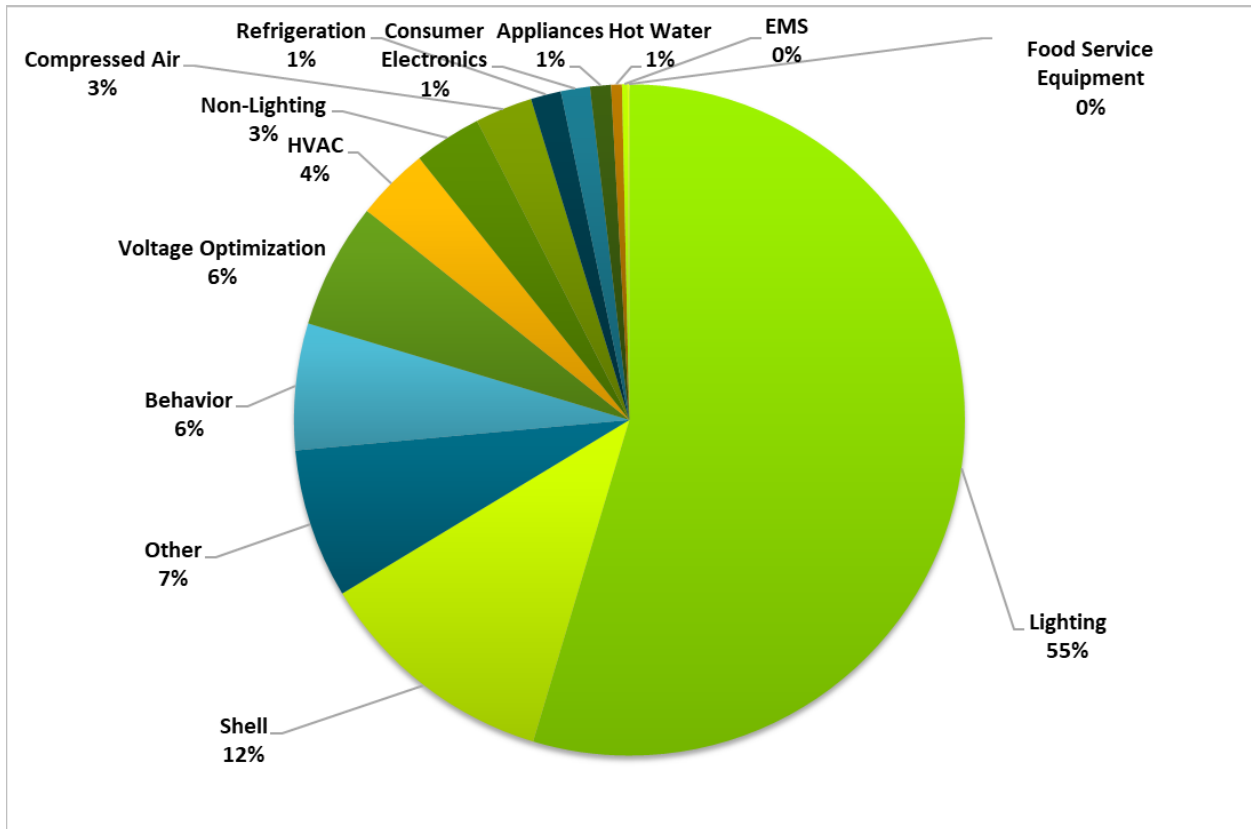
Source: Evaluation team analysis

Table 4-2: Summer Peak Demand Savings by Measure Category

End Use Type	Ex Ante Gross Savings (kW)	Verified Gross Savings (kW)	Verified Net Savings (kW)
Lighting	134,432	156,350	147,606
Voltage Optimization	17,530	17,732	17,732
Non-Lighting	11,381	11,485	10,976
Other	7,382	9,703	6,554
HVAC	10,948	9,688	9,308
Compressed Air	10,005	9,189	7,250
Shell	95,369	8,697	8,007
Appliances	2,647	4,073	3,743
Refrigeration	2,720	2,640	2,438
Consumer Electronics	2,624	2,610	2,603
Hot Water	1,734	1,688	1,670
Lighting (DAC)	1,140	1,060	1,060
Food Service Equipment	218	209	171
WWTP	102	88.35	68
Non-Lighting (DAC)	34.76	29.27	29
Thermostat	0.89	0.87	0.82
Behavior	N/A	N/A	17,356
EMS	0	0	0
Street Lighting	0	0	0
Grand Total	298,270	235,243	236,573

Source: Evaluation team analysis

Figure 4-1. Net Energy Savings by End-use Type – Electric Only



Source: Evaluation team analysis

Table 4-3 shows the end use measure savings by magnitude of impact in the respective portfolio sector.

Table 4-3: Energy Savings by Measure Category and Sector

Sector	End Use Type	Verified Gross Savings (kWh)	Verified Net Savings (kWh)	Verified Net Savings (kWh from Therms/Gallons)	Verified Net Savings (kWh from Electrification)	Verified Net Savings Total (kWh)	Percent Impact
Business & Public Sector	Lighting	515,084,909	477,418,395			477,418,395	63.3%
Business & Public Sector	Other	144,961,603	115,182,991		17,057,755	132,240,747	17.5%
Business & Public Sector	Non-Lighting	60,220,412	53,596,167			53,596,167	7.1%
Business & Public Sector	Compressed Air	59,624,537	46,592,356			46,592,356	6.2%
Business & Public Sector	Refrigeration	25,966,170	23,973,203			23,973,203	3.2%
Business & Public Sector	HVAC	6,391,250	6,003,155		549,428	6,552,583	0.9%
Business & Public Sector	Lighting (DAC)	4,951,946	4,951,946			4,951,946	0.7%
Business & Public Sector	EMS	5,046,456	4,491,346			4,491,346	0.6%
Business & Public Sector	Street Lighting	2,181,417	1,766,948			1,766,948	0.2%
Business & Public Sector	Food Service Equipment	1,646,810	1,345,493			1,345,493	0.2%
Business & Public Sector	WWTP	1,532,557	1,180,069			1,180,069	0.2%
Business & Public Sector	Non-Lighting (DAC)	226,010	226,010			226,010	0.0%
Business & Public Sector	Hot Water	112,801	107,790			107,790	0.0%
Business & Public Sector	Thermostat	3,175	3,016			3,016	0.0%
Business & Public Sector	Subtotal	827,950,054	736,838,885		17,607,184	754,446,068	100.0%
Res & IE	Lighting	427,442,026	416,880,319			416,880,319	39.6%
Res & IE	Shell	216,947,484	193,304,736	180,337,505		373,642,241	35.5%
Res & IE	HVAC	57,236,799	55,058,264	3,134,613	52,866,800	111,059,677	10.5%
Res & IE	Behavior		100,555,672			100,555,672	9.5%
Res & IE	Consumer Electronics	23,140,558	23,077,822			23,077,822	2.2%
Res & IE	Appliances	18,705,043	16,545,194		372,053	16,917,247	1.6%
Res & IE	Hot Water	8,750,355	8,528,659		887,681	9,416,340	0.9%
Res & IE	Other	2,356,160	2,356,160		14,585	2,370,745	0.2%
Res & IE	Refrigeration	2,621	2,621			2,621	0.0%
Res & IE	Subtotal	754,581,046	816,309,447	183,472,118	54,141,120	1,053,922,685	100.0%
Voltage Optimization	Voltage Optimization	99,924,803	99,924,803			99,924,803	100.0%
Voltage Optimization	Subtotal	99,924,803	99,924,803			99,924,803	100.0%
	Total	1,682,455,902	1,653,073,134	183,472,118	71,748,304	1,908,293,556	100.0%

Note: The verified savings in this table include secondary electric energy (kWh) savings from water supply and wastewater treatment plants for measures claimed by ComEd. The verified savings account for electric heating penalties, where applicable. * Percent impact represent the verified net savings total contribution of each end-use within the sector, expressed in percentage. Where applicable, the verified net savings totals include electric kWh plus converted kWh that ComEd can claim towards goal. Source: Evaluation team analysis

Ten programs include measures that save water. That reduction in water produces secondary kWh savings from water supply and wastewater treatment. Table 4-4 shows the secondary measure level savings by program. The savings in this table are included within the electricity savings in the previous tables in this section.

Table 4-4: Secondary Energy Savings from Water Reduction by Measure – Electric Only

Sector	Program	End Use Type	Savings Category	Ex Ante Annual Water Savings (gallons)	Verified Annual Water Savings (gallons)	Ex Ante Gross Savings (kWh)	Verified Gross Realization Rate (RRwater)	Verified Gross Savings (kWh)	NTG*	Verified Net Savings (kWh)
Business & Public Sector	New Construction - Bus/Pub	Other	Other Non-lighting	14,749,223	15,837,515	73,894	1.07	79,346	0.55	43,946
Business & Public Sector	Small Business	Hot Water	Kitchen & Bathroom Faucet Aerator	578,860	578,860	2,900	1.00	2,900	0.95	2,766
Business & Public Sector	Small Business	Hot Water	Low Flow Showerhead	453,657	453,657	2,273	1.00	2,273	0.96	2,175
Business & Public Sector	Midstream/Upstream	Food Service Equipment	Steam Cooker	495,717	509,524	1,274	1.03	1,310	0.80	1,048
Business & Public Sector	Midstream/Upstream	Food Service Equipment	Dishwasher	126,413	126,413	633	1.00	633	0.81	514
Business & Public Sector	Small Business	Food Service Equipment	High Efficiency Pre-Rinse Spray Valves	39,811	39,811	199	1.00	199	0.94	187
Business & Public Sector		Subtotal		16,443,681	17,545,779	81,174	1.07	86,662	0.58	50,637
Res & IE	Retail/Online	Appliances	Clothes Washer	32,793,511	126,121,124	164,295	3.85	631,867	0.90	570,837
Res & IE	Retail/Online	Hot Water	Low Flow Showerhead	725,374	116,922,964	3,634	161	585,784	0.89	518,866
Res & IE	Product Distribution	Hot Water	Low Flow Showerhead	71,320,324	71,320,324			357,315	1.00	357,315
Res & IE	Product Distribution	Hot Water	Shower Timer	44,030,853	44,030,861			220,595	1.00	220,595
Res & IE	Product Distribution	Hot Water	Kitchen & Bathroom Faucet Aerator	28,769,010	28,769,016			144,133	1.00	144,133
Res & IE	Multifamily Upgrades	Hot Water	Low Flow Showerhead	13,655,578	14,427,723	72,575	1.00	72,590	1.00	72,733
Res & IE	Multifamily Upgrades	Hot Water	Kitchen & Bathroom Faucet Aerator	5,869,021	11,292,537	30,080	1.89	56,822	1.00	56,824
Res & IE	Single-Family Upgrades	Hot Water	Low Flow Showerhead	10,911,058	10,894,072	54,666	1.00	54,584	1.01	55,017
Res & IE	Single-Family Upgrades	Hot Water	Kitchen & Bathroom Faucet Aerator	7,430,421	7,410,203	37,227	1.00	37,125	1.01	37,532
Res & IE	Multifamily Upgrades	Hot Water	Shower Timer	6,130,717	6,345,642	31,791	1.00	31,792	1.00	31,876
Res & IE	New Construction - IE	Hot Water	Hot Water Conservation	7,795,348	7,441,235	29,890	0.97	29,117	1.00	29,117
Res & IE	Single-Family Upgrades	Hot Water	Shower Flow Reducer	3,843,711	3,835,187	19,257	1.00	19,214	1.02	19,570
Res & IE	Product Distribution	Hot Water	Kits	18,192,440	18,192,440			15,437	1.00	15,437
Res & IE	New Construction - IE	Appliances	Efficient Appliances	765,118	762,558	3,010	1.00	3,002	1.00	3,002
Res & IE	Electric Homes New Construction	Hot Water	Hot Water Conservation	370,128	371,579	1,854	1.00	1,854	0.93	1,719
Res & IE	Electric Homes New Construction	Appliances	Efficient Appliances	172,456	172,456	864	1.00	864	0.93	801
Res & IE	Whole Home Electric	Appliances	Clothes Washer	76,730	76,730	384	1.00	384	1.00	384
Res & IE	Retail/Online	Hot Water	Thermostatic Radiator Shower Valve	92,188	49,550	462	0.54	248	0.82	204
Res & IE	Whole Home Electric	Hot Water	Kitchen & Bathroom Faucet Aerator	3,442	3,442	17.25	1.00	17.24	1.00	17.25
Res & IE	Whole Home Electric	Hot Water	Low Flow Showerhead	2,200	2,200	11.00	1.00	11.00	1.00	11.02
Res & IE	Multifamily Upgrades	HVAC	Steam Trap Repair	15,667	119,092					
Res & IE		Subtotal		252,965,298	468,560,935	450,018	5.03	2,262,755	0.94	2,135,990
Portfolio		Total		269,408,979	486,106,714	531,191	4.42	2,349,417	0.93	2,186,628

Note: The savings in this table reflect only secondary electric energy (kWh) savings from water supply and wastewater treatment plants for measures claimed by ComEd, not those claimed by gas utilities.

*A deemed value. Source is to be found on the IL SAG web site here: <https://www.ilsag.info/evaluator-ntg=recommendations-for-2024>

Source: ComEd tracking data and evaluation team analysis

5. Total Resource Cost Savings and Lifetime Savings Summary

Table 5-1 provides the WAML and estimated lifetime savings from the verified first year gross and net savings (excluding converted other fuel savings measures). It includes the total cost by program and cost per unit. Table 5-2 shows the Total Resource Cost (TRC) input table. It includes only the cost-effectiveness analysis savings inputs.

Table 5-1: Verified First Year and Lifetime Savings and Acquisition Costs – Electric Only

Sector	Program	Verified Gross Realization Rate	First Year Annual Energy Savings (kWh) - Gross	First Year Peak Demand Savings (kW) - Gross	NTG*	First Year Annual Energy Savings (kWh) - Net	First Year Peak Demand Savings (kW) - Net	Lifetime Savings (kWh) - Net	First Year Cost per Net Annual Savings	First Year Cost per Net Lifetime Savings	Program Costs	Units#	Units Definition	Weighted Average Measure Life
Business & Public Sector	Incentives	0.97	238,176,910	41,823	0.87	207,811,945	38,757	2,903,757,460	0.35	0.03	73,190,677	2,408	Projects	14.0
Business & Public Sector	Small Business	1.01	223,878,317	43,236	0.95	213,715,412	41,272	2,821,464,864	0.36	0.03	77,220,365	5,509	Projects	14.0
Business & Public Sector	Midstream/Upstream	1.11	201,441,483	40,460	0.86	172,842,560	35,035	2,429,634,804	0.13	0.01	23,208,148	904,720	Measures	14.3
Business & Public Sector	Targeted Systems	0.99	107,897,809	12,035	0.84	90,836,052	9,821	738,403,456	0.32	0.04	29,132,971	1,084	Projects	8.3
Business & Public Sector	Behavior Bus/Pub	1.00	45,841,394		1.00	45,841,394		320,889,755	0.21	0.03	9,506,221	99	Projects	7.0
Business & Public Sector	New Construction - Bus/Pub	0.99	10,636,432	1,486	0.54	5,729,355	818	99,690,777	0.55	0.03	3,148,486	42	Projects	17.4
Business & Public Sector	EMS - Small Business - Pilot	1.00	77,710		0.80	62,168		932,516				1	Projects	15.0
Business & Public Sector	Subtotal	1.02	827,950,054	139,040	0.89	736,838,885	125,704	9,314,773,632	0.29	0.02	215,406,868			13.00
Res & IE	Retail/Online	1.07	391,664,795	32,828	0.91	355,567,009	30,443	5,010,045,490	0.10	0.01	35,762,893	6,059,523	Measures	15.9
Res & IE	Product Distribution	1.04	275,067,458	32,893	1.00	275,011,940	32,893	2,192,667,999	0.06	0.01	16,188,463	4,824,711	Measures	8.5
Res & IE	Multifamily Upgrades	1.00	37,643,925	5,942	0.98	36,938,406	5,860	499,876,395	1.02	0.08	37,660,022	6,323,565	Measures	18.1
Res & IE	Contractor/Midstream Rebates	1.18	29,680,982	2,996	0.94	27,861,101	2,804	298,833,249	0.15	0.01	4,051,330	8,013	Measures	15.9
Res & IE	Single-Family Upgrades	1.00	15,051,973	2,877	0.99	14,967,742	2,864	160,582,637	2.15	0.20	32,218,535	3,990,373	Measures	20.6
Res & IE	New Construction - IE	0.96	3,017,075	442	1.00	3,017,075	442	47,616,511	0.77	0.05	2,317,837	984,538	Measures	16.0
Res & IE	Whole Home Electric	1.01	1,263,408	123	1.00	1,263,408	123	15,716,841				30,273	Measures	16.0
Res & IE	ASI kWh Purchase	0.97	806,898	336	0.95	770,527	320	16,291,033				1,318	Projects	22.6
Res & IE	Electric Homes New Construction	1.10	384,532	33.99	0.93	356,566	31.52	5,378,287	0.70	0.05	248,713	440	Measures	15.6
Res & IE	Behavior - Res/IE					100,555,672	17,356	358,650,175	0.06	0.02	6,208,471	1,620,792	Household	10.0
Res & IE	Subtotal	1.06	754,581,046	78,471	1.08	816,309,447	93,137	8,605,658,619	0.16	0.02	134,656,264			13.4
Voltage Optimization	Voltage Optimization	1.00	99,924,803	17,732	1.00	99,924,803	17,732	1,498,872,043				31	Feeders	15.0
Voltage Optimization	Subtotal	1.00	99,924,803	17,732	1.00	99,924,803	17,732	1,498,872,043						15.0
Portfolio	Grand Total	1.03	1,682,455,902	235,243	0.98	1,653,073,134	236,573	19,419,304,293	0.21	0.02	350,063,132			13.5

Note: The lifetime net savings are equal to values from the electric CPAS Table 2-4.

Source: Cost values are from the ComEd - CY2024 Q4 Statewide Quarterly Report; Evaluation team analysis.

Table 5-2: Total Resource Cost Savings Summary

Sector	Program	WAML (years)	Verified Annual Water Savings (Gallons)	Verified Gross Electric Energy Savings (kWh)	Verified Gross Peak Demand Reduction (kW)	Verified Gross Gas Savings Achieved (Therms)	Verified Gross Propane Savings Achieved (Therms)	Verified Gross Electrification achieved (kWh)	Verified Gross Secondary Savings due to Water Reduction (kWh)	Gross Heating Penalty (kWh)*	Gross Gas Heating Penalty (Therms)†	Gross Propane Heating Penalty (Therms)†	NTG (kWh)	NTG (kW)	NTG (Therms)	Verified Net Electric Energy Savings (kWh)	Verified Net Peak Demand Reduction (kW)	Verified Net Gas Savings Achieved (Therms)	Verified Net Propane Savings Achieved (Therms)	Verified Net Electrification Achieved (kWh)	Net Secondary Savings due to Water Reduction (kWh)	Net Heating Penalty (kWh)	Net Gas Heating Penalty (Therms)	Net Propane Heating Penalty (Therms)
Business & Public Sector	Incentives	14.0		238,176,910	41,823	2,585,213	-	9,979	-	-	(1,426,005)	-	0.87	0.93	0.89	207,811,945	38,757	2,288,447	-	5,588	-	-	-1,404,209	0
Business & Public Sector	Small Business	14.0	1,072,327	223,872,944	43,236	249,485	-	-	5,372	(261,135)	(2,107,412)	-	0.95	0.95	0.98	213,710,283	41,272	243,848	-	-	5,129	-252,797	-2,011,384	0
Business & Public Sector	Midstream/Upstream	14.3	635,937	182,519,652	40,460	-	-	26,835,947	1,943	(2,365,646)	-	-	0.86	0.87	-	171,969,585	35,035	-	-	21,520,860	1,561	-	-2,048,233	0
Business & Public Sector	Targeted Systems	8.3		107,897,809	12,035	62,336	-	-	-	-	-	-	0.84	0.82	0.99	90,836,052	9,821	61,977	-	-	-	-	-	0
Business & Public Sector	Behavior Bus/Pub	7.0		45,841,394	-	-	-	-	-	-	-	-	1.00	-	-	45,841,394	-	-	-	-	-	-	-	0
Business & Public Sector	New Construction - Bus/Pub	17.4	15,837,515	10,557,086	1,486	75,763	-	-	79,346	(143,871)	(14,364)	-	0.54	0.55	0.46	5,685,408	818	34,604	-	-	43,946	-75,470	-6,884	0
Business & Public Sector	EMS - Small Business - Pilot	15.0		77,710	-	-	-	-	-	-	-	-	0.80	-	-	62,168	-	-	-	-	-	-	-	0
Res & IE	Retail/Online	15.9	243,093,638	390,446,896	32,828	39,313,836	-	319,753	1,217,899	-	(2,935,026)	(203)	0.91	0.93	0.89	354,477,103	30,443	34,894,292	-	275,054	1,089,907	-2,934,839	-203	
Res & IE	Product Distribution	8.5	162,312,641	274,329,979	32,893	257,628	-	-	737,479	-	(613,806)	-	1.00	1.00	1.00	274,274,461	32,893	257,628	-	-	737,479	-	-612,548	0
Res & IE	Multifamily Upgrades	18.1	32,186,502	37,482,721	5,945	602,461	-	-	161,204	(237,943)	(172,745)	-	0.98	0.99	1.00	36,776,973	5,863	602,461	-	-	161,433	-233,109	-163,918	0
Res & IE	Contractor/Midstream Rebates	15.9		25,222,670	2,996	47,077	-	51,592,168	-	-	-	-	0.94	0.94	0.91	23,657,680	2,804	42,862	-	48,398,000	-	-	-	0
Res & IE	Single-Family Upgrades	20.6	22,139,462	14,941,049	2,877	1,486,294	2,659	-	110,924	(41,046)	(137,179)	(241)	0.99	1.00	1.00	14,855,623	2,864	1,479,832	2,554	-	112,119	-41,046	-137,179	-241
Res & IE	New Construction - IE	16.0	8,203,793	2,984,956	442	127,875	-	4,616,017	32,119	(43,089)	(14,064)	-	1.00	1.00	1.00	2,984,956	442	127,875	-	4,616,017	32,119	-43,089	-14,064	0
Res & IE	Whole Home Electric	16.0	82,372	1,262,995	123	-	-	6,299,643	412	(3,700)	-	-	1.00	1.00	-	1,262,995	123	-	-	6,299,643	412	-3,700	-	0
Res & IE	ASI kWh Purchase	22.6		806,898	336	-	-	-	-	-	-	-	0.95	0.95	-	770,527	320	-	-	-	-	-	-	0
Res & IE	Electric Homes New Construction	15.6	544,035	381,814	34	-	-	1,204,096	2,718	(111)	-	-	0.93	0.93	-	354,045	32	-	-	1,116,526	2,520	-103	-	0
Res & IE	Behavior - Res/IE	10.0		-	-	-	-	-	-	-	-	-	-	-	-	100,555,672	17,356	-	-	-	-	-	-	0
Voltage Optimization	Voltage Optimization	15.0		99,924,803	17,732	-	-	-	-	-	-	-	1.00	1.00	-	99,924,803	17,732	-	-	-	-	-	-	0
Total		13.5	486,108,223	1,656,728,286	235,247	44,807,969	2,659	90,877,603	2,349,417	(3,096,541)	(7,420,602)	(444)	0.86	0.77	0.89	1,645,811,672	236,576	40,033,825	2,554	82,231,687	2,186,627	-649,315	-9,333,258	-444

Note: To avoid double counting, the verified gross kWh and net kWh used in the TRC analysis excludes secondary energy savings from water reduction measures. Table 5-2 represents the kWh direct savings from Table 3-1 minus those shown in Table 4-4. Savings from electrification are presented separately in this table and excluded from the direct kWh (direct kWh also excludes converted electrification savings counted as efficiency baseline savings). The achieved kWh and Therms columns represent total savings achieved but not only the counted savings to ComEd goal.

* Program kWh savings account for electric heating penalties, where applicable. The electric heating penalties columns show the magnitude of adjustments applied to the program savings.

† Other Fuel heating penalties represent the program therms heating penalties. These penalties are not required to be applied to the programs or portfolio savings.

Source: Evaluation team analysis.

6. High Impact Measures of CY2024

Table 6-1 through Table 6-6 provide the list of CY2024 high impact measures and the percentage of verified gross and net electric savings for the business, residential, and income eligible sectors. These tables include converted other fuel savings measures and electrification savings.

Table 6-1: Summary Table of CY2024 High Impact Measures – Business Gross Impact

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Gross)	Weighted Average Measure Life*	Verified Gross Savings (kWh from Therms)	Lifetime Gross kWh (Verified)	Verified Gross Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Business	Interior & Exterior LED Fixtures	Lighting	305,727,315	14.68		4,486,976,721	305,727,315	32.3%	32.3%
Business	Standard LED Lamps	Lighting	133,482,155	13.93		1,860,014,444	133,482,155	14.1%	46.4%
Business	VO	Voltage Optimization	99,924,803	15.00		1,498,872,043	99,924,803	10.6%	56.9%
Business	Other Non-lighting	Other	56,771,337	12.73		722,681,953	56,771,337	6.0%	62.9%
Business	Occupancy Sensor & Other Controls	Lighting	55,275,265	14.35		793,060,118	55,275,265	5.8%	68.8%
Business	Compressor System	Compressed Air	54,219,147	6.59		357,224,205	54,219,147	5.7%	74.5%
Business	Strategic Energy Management	Other	45,841,394	7.00		320,889,755	45,841,394	4.8%	79.3%
Business	Other Non-lighting	Non-Lighting	36,689,438	11.34		416,194,565	36,689,438	3.9%	83.2%
Business	Controls & Maintenance for Cooler or Freezer	Refrigeration	20,736,264	12.29		254,818,690	20,736,264	2.2%	85.4%
Business	Fork Trucks	Other	19,835,733	15.00		297,535,988	19,835,733	2.1%	87.5%
Business	Carryover Lamps	Lighting	17,972,848	12.47		224,113,950	17,972,848	1.9%	89.4%
Business	Virtual Commissioning	Other	17,875,140	7.30		130,488,520	17,875,140	1.9%	91.3%
Business	High Performance HVAC Equipment	Non-Lighting	15,415,344	18.37		283,159,373	15,415,344	1.6%	92.9%
Business	Other Non-lighting	Compressed Air	5,405,390	15.00		81,080,857	5,405,390	0.6%	93.5%
Business	EMS	EMS	5,046,456	15.00		75,696,840	5,046,456	0.5%	94.0%
Business	Weather Stripping	Other	4,955,644	10.00		49,556,438	4,955,644	0.5%	94.5%
Business	Standard LED Lamps	Lighting (DAC)	4,951,946	13.75		68,101,031	4,951,946	0.5%	95.0%
Business	Building Operator Certification	Other	4,933,249	13.00		64,132,239	4,933,249	0.5%	95.6%
Business	Freezer & Refrigerator	Refrigeration	4,736,587	15.00		71,048,806	4,736,587	0.5%	96.1%
Business	Compressor System	Non-Lighting	4,621,549	12.98		60,001,415	4,621,549	0.5%	96.5%
Business	Freezer & Refrigerator	Non-Lighting	3,494,081	13.05		45,611,604	3,494,081	0.4%	96.9%
Business	LED Exit Signs, Channel Sign & Nightlight	Lighting	2,627,327	5.00		13,136,634	2,627,327	0.3%	97.2%
Business	Compressor System	Other	2,606,896	13.00		33,889,644	2,606,896	0.3%	97.5%
Business	High Performance HVAC Equipment	Other	2,431,048	13.79		33,521,284	2,431,048	0.3%	97.7%
Business	VFD	Other	2,280,469	15.00		34,207,036	2,280,469	0.2%	98.0%
Business	Advanced Thermostat	HVAC	2,279,739	9.72		22,156,711	2,279,739	0.2%	98.2%
Business	Specialty LED Lamps	Street Lighting	2,181,417	20.00		43,628,341	2,181,417	0.2%	98.4%
Business	Standard LED Lamps	Other	2,049,196	14.98		30,693,659	2,049,196	0.2%	98.7%
Business	Other Non-lighting	WWTP	1,532,557	16.00		24,524,459	1,532,557	0.2%	98.8%
Business	Freezer & Refrigerator	Other	1,203,074	15.00		18,046,114	1,203,074	0.1%	98.9%
Business	Battery Charger	Other	1,058,487	15.00		15,877,307	1,058,487	0.1%	99.1%
Business	Energy Efficient Hand Dryer	Other	1,019,369	10.00		10,193,694	1,019,369	0.1%	99.2%
Business	Advanced Power Strips	Other	799,987	7.00		5,599,908	799,987	0.1%	99.2%
Business	Heat Pumps (ASHP, Ductless HP, GSHP, Others)	HVAC	756,999	15.00		11,354,991	756,999	0.1%	99.3%
Business	Room & Central Air Conditioner	HVAC	720,430	15.00		10,806,446	720,430	0.1%	99.4%
Business	High Performance HVAC Equipment	HVAC	623,846	23.00		14,348,460	623,846	0.1%	99.5%
Business	Tune-Up	HVAC	615,702	3.00		1,847,107	615,702	0.1%	99.5%
Business	Packaged RTU Sealing	HVAC	517,276	11.22		5,804,473	517,276	0.1%	99.6%
Business	Ice Machine, Fryer, Combination & Convection Ovens	Food Service Equipment	500,004	11.58		5,790,498	500,004	0.1%	99.6%
Business	Demand Controlled Ventilation	HVAC	493,320	10.00		4,933,198	493,320	0.1%	99.7%
Business	Night Covers	Refrigeration	488,514	5.00		2,442,568	488,514	0.1%	99.7%
Business	Deck Ovens	Food Service Equipment	321,517	12.00		3,858,204	321,517	0.0%	99.8%
Business	Variable Speed Drive	HVAC	243,801	15.00		3,657,022	243,801	0.0%	99.8%
Business	Guest Room Energy Management	HVAC	239,194	15.00		3,587,909	239,194	0.0%	99.8%
Business	HVAC Control System & Maintenance	HVAC	233,388	9.98		2,330,247	233,388	0.0%	99.9%
Business	Freezer & Refrigerator	Food Service Equipment	225,935	12.00		2,711,221	225,935	0.0%	99.9%
Business	Steam Cooker	Food Service Equipment	184,285	12.00		2,211,420	184,285	0.0%	99.9%
Business	Griddle	Food Service Equipment	180,235	12.00		2,162,820	180,235	0.0%	99.9%
Business	Occupancy Sensor & Other Controls	HVAC	146,158	10.00		1,461,584	146,158	0.0%	99.9%
Business	Compressor System	Non-Lighting (DAC)	103,136	13.04		1,344,766	103,136	0.0%	99.9%
Business	Freezer & Refrigerator	Non-Lighting (DAC)	100,834	14.93		1,505,354	100,834	0.0%	100.0%
Business	EMS	HVAC	77,710	15.00		1,165,644	77,710	0.0%	100.0%
Business	Hot Food Holding Cabinets	Food Service Equipment	67,327	12.00		807,924	67,327	0.0%	100.0%
Business	Demand Controlled Ventilation	Food Service Equipment	66,345	20.00		1,326,900	66,345	0.0%	100.0%
Business	Broiler	Food Service Equipment	62,284	12.00		747,408	62,284	0.0%	100.0%
Business	Low Flow Showerhead	Hot Water	58,980	10.00		589,799	58,980	0.0%	100.0%
Business	Kitchen & Bathroom Faucet Aerator	Hot Water	53,821	10.00		538,211	53,821	0.0%	100.0%
Business	Dishwasher	Food Service Equipment	31,736	13.31		422,531	31,736	0.0%	100.0%

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Gross)	Weighted Average Measure Life*	Verified Gross Savings (kWh from Therms)	Lifetime Gross kWh (Verified)	Verified Gross Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Business	High Performance HVAC Equipment	Non-Lighting (DAC)	14,077	19.20		270,325	14,077	0.0%	100.0%
Business	Other Non-lighting	Non-Lighting (DAC)	7,964	9.50		75,658	7,964	0.0%	100.0%
Business	High Efficiency Pre-Rinse Spray Valves	Food Service Equipment	7,142	5.00		35,710	7,142	0.0%	100.0%
Business	Beverage & Snack Machine Controls	Refrigeration	4,806	5.00		24,030	4,806	0.0%	100.0%
Business	Notched V Belts for HVAC Systems	HVAC	3,178	3.42		10,883	3,178	0.0%	100.0%
Business	Advanced Thermostat	Thermostat	3,175	11.00		34,927	3,175	0.0%	100.0%
Business	Cool Roof	Other	3,077	15.00		46,155	3,077	0.0%	100.0%
Business	High-Performance Windows	Other	1,068	25.00		26,698	1,068	0.0%	100.0%
Business	Smart Socket	Other	194	7.00		1,355	194	0.0%	100.0%

Note: Cumulative percent is the cumulative sum of percent 1st year kWh achieved by the high impact measure. Percent 1st year kWh is the kWh total for the measure over the sum of kWh total for all measures (electric kWh plus counted kWh converted, where applicable). Business & Public Sector measure list include the Voltage Optimization.

Source: Evaluation team analysis

Table 6-2: Summary Table of CY2024 High Impact Measures – Business Net Impact

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Net)	Verified Net Savings (kWh from Therms)	Verified Net Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Business	Interior & Exterior LED Fixtures	Lighting	275,857,281		275,857,281	32.4%	32.4%
Business	Standard LED Lamps	Lighting	132,117,631		132,117,631	15.5%	47.9%
Business	VO	Voltage Optimization	99,924,803		99,924,803	11.7%	59.6%
Business	Occupancy Sensor & Other Controls	Lighting	52,632,692		52,632,692	6.2%	65.8%
Business	Strategic Energy Management	Other	45,841,394		45,841,394	5.4%	71.2%
Business	Compressor System	Compressed Air	42,430,205		42,430,205	5.0%	76.1%
Business	Other Non-lighting	Other	33,132,839		33,132,839	3.9%	80.0%
Business	Other Non-lighting	Non-Lighting	32,653,600		32,653,600	3.8%	83.9%
Business	Controls & Maintenance for Cooler or Freezer	Refrigeration	19,859,535		19,859,535	2.3%	86.2%
Business	Virtual Commissioning	Other	16,813,110		16,813,110	2.0%	88.2%
Business	Fork Trucks	Other	15,874,942		15,874,942	1.9%	90.0%
Business	Carryover Lamps	Lighting	14,538,762		14,538,762	1.7%	91.7%
Business	High Performance HVAC Equipment	Non-Lighting	13,719,656		13,719,656	1.6%	93.3%
Business	Standard LED Lamps	Lighting (DAC)	4,951,946		4,951,946	0.6%	93.9%
Business	Building Operator Certification	Other	4,933,249		4,933,249	0.6%	94.5%
Business	Weather Stripping	Other	4,683,955		4,683,955	0.5%	95.0%
Business	EMS	EMS	4,491,346		4,491,346	0.5%	95.6%
Business	Other Non-lighting	Compressed Air	4,162,151		4,162,151	0.5%	96.1%
Business	Compressor System	Non-Lighting	4,113,178		4,113,178	0.5%	96.5%
Business	Freezer & Refrigerator	Refrigeration	3,647,172		3,647,172	0.4%	97.0%
Business	Freezer & Refrigerator	Non-Lighting	3,109,732		3,109,732	0.4%	97.3%
Business	LED Exit Signs, Channel Sign & Nightlight	Lighting	2,272,029		2,272,029	0.3%	97.6%
Business	Advanced Thermostat	HVAC	2,263,723		2,263,723	0.3%	97.9%
Business	Specialty LED Lamps	Street Lighting	1,766,948		1,766,948	0.2%	98.1%
Business	VFD	Other	1,466,973		1,466,973	0.2%	98.2%
Business	Compressor System	Other	1,459,862		1,459,862	0.2%	98.4%
Business	High Performance HVAC Equipment	Other	1,361,387		1,361,387	0.2%	98.6%
Business	Standard LED Lamps	Other	1,317,742		1,317,742	0.2%	98.7%
Business	Other Non-lighting	WWTP	1,180,069		1,180,069	0.1%	98.9%
Business	Energy Efficient Hand Dryer	Other	966,486		966,486	0.1%	99.0%
Business	Battery Charger	Other	846,790		846,790	0.1%	99.1%
Business	Advanced Power Strips	Other	767,075		767,075	0.1%	99.2%
Business	Room & Central Air Conditioner	HVAC	683,340		683,340	0.1%	99.3%
Business	Heat Pumps (ASHP, Ductless HP, GSHP, Others)	HVAC	676,700		676,700	0.1%	99.3%
Business	Freezer & Refrigerator	Other	673,722		673,722	0.1%	99.4%
Business	Tune-Up	HVAC	586,410		586,410	0.1%	99.5%
Business	High Performance HVAC Equipment	HVAC	480,361		480,361	0.1%	99.5%
Business	Demand Controlled Ventilation	HVAC	466,588		466,588	0.1%	99.6%
Business	Night Covers	Refrigeration	461,953		461,953	0.1%	99.6%
Business	Packaged RTU Sealing	HVAC	448,969		448,969	0.1%	99.7%
Business	Ice Machine, Fryer, Combination & Convection Ovens	Food Service Equipment	405,361		405,361	0.0%	99.7%
Business	Deck Ovens	Food Service Equipment	261,588		261,588	0.0%	99.8%
Business	HVAC Control System & Maintenance	HVAC	229,683		229,683	0.0%	99.8%
Business	Variable Speed Drive	HVAC	229,583		229,583	0.0%	99.8%
Business	Guest Room Energy Management	HVAC	224,842		224,842	0.0%	99.9%
Business	Freezer & Refrigerator	Food Service Equipment	191,897		191,897	0.0%	99.9%
Business	Steam Cooker	Food Service Equipment	147,428		147,428	0.0%	99.9%
Business	Griddle	Food Service Equipment	144,188		144,188	0.0%	99.9%
Business	Occupancy Sensor & Other Controls	HVAC	142,094		142,094	0.0%	99.9%
Business	Compressor System	Non-Lighting (DAC)	103,136		103,136	0.0%	99.9%
Business	Freezer & Refrigerator	Non-Lighting (DAC)	100,834		100,834	0.0%	100.0%
Business	EMS	HVAC	62,168		62,168	0.0%	100.0%

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Net)	Verified Net Savings (kWh from Therms)	Verified Net Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Business	Demand Controlled Ventilation	Food Service Equipment	57,499		57,499	0.0%	100.0%
Business	Low Flow Showerhead	Hot Water	56,452		56,452	0.0%	100.0%
Business	Hot Food Holding Cabinets	Food Service Equipment	54,649		54,649	0.0%	100.0%
Business	Kitchen & Bathroom Faucet Aerator	Hot Water	51,338		51,338	0.0%	100.0%
Business	Broiler	Food Service Equipment	49,827		49,827	0.0%	100.0%
Business	Dishwasher	Food Service Equipment	26,342		26,342	0.0%	100.0%
Business	High Performance HVAC Equipment	Non-Lighting (DAC)	14,077		14,077	0.0%	100.0%
Business	Other Non-lighting	Non-Lighting (DAC)	7,964		7,964	0.0%	100.0%
Business	High Efficiency Pre-Rinse Spray Valves	Food Service Equipment	6,713		6,713	0.0%	100.0%
Business	Beverage & Snack Machine Controls	Refrigeration	4,544		4,544	0.0%	100.0%
Business	Notched V Belts for HVAC Systems	HVAC	3,178		3,178	0.0%	100.0%
Business	Advanced Thermostat	Thermostat	3,016		3,016	0.0%	100.0%
Business	Cool Roof	Other	2,892		2,892	0.0%	100.0%
Business	High-Performance Windows	Other	1,004		1,004	0.0%	100.0%
Business	Smart Socket	Other	182		182	0.0%	100.0%

Note: Cumulative percent is the cumulative sum of percent 1st year kWh achieved by the high impact measure. Percent 1st year kWh is the kWh total for the measure over the sum of kWh total for all measures (electric kWh, including electrification savings plus counted kWh converted, where applicable). Business & Public Sector measure list include the Voltage Optimization.

Source: Evaluation team analysis

Table 6-3: Summary Table of CY2024 High Impact Measures – Residential Gross Impact

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Gross)	Weighted Average Measure Life*	Verified Gross Savings (kWh from Therms)	Lifetime Gross kWh (Verified)	Verified Gross Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Market Rate (Residential)	Air Sealing	Shell	141,341,673	20.00		2,826,833,461	141,341,673	52.5%	52.5%
Market Rate (Residential)	Heat Pumps (ASHP, Ductless HP, GSHP, Others)	HVAC	68,947,019	15.94		1,099,335,547	68,947,019	25.6%	78.1%
Market Rate (Residential)	Carryover Lamps	Lighting	20,642,800	9.83		202,968,454	20,642,800	7.7%	85.8%
Market Rate (Residential)	Clothes Washer	Appliances	6,397,836	14.00		89,569,704	6,397,836	2.4%	88.1%
Market Rate (Residential)	Advanced Thermostat	HVAC	6,137,451	11.07		67,952,393	6,137,451	2.3%	90.4%
Market Rate (Residential)	Air Purifier	Appliances	5,584,663	9.00		50,261,964	5,584,663	2.1%	92.5%
Market Rate (Residential)	Interior & Exterior LED Fixtures	Lighting	5,465,094	7.82		42,742,149	5,465,094	2.0%	94.5%
Market Rate (Residential)	Weather Stripping	Shell	2,905,667	20.00		58,113,331	2,905,667	1.1%	95.6%
Market Rate (Residential)	Dehumidifier	Appliances	2,193,026	12.00		26,316,315	2,193,026	0.8%	96.4%
Market Rate (Residential)	Low Flow Showerhead	Hot Water	2,044,993	10.00		20,449,927	2,044,993	0.8%	97.2%
Market Rate (Residential)	Advanced Power Strips	Consumer Electronics	1,203,807	7.00		8,426,646	1,203,807	0.4%	97.6%
Market Rate (Residential)	Strategic Energy Management	Other	1,119,813	7.00		7,838,688	1,119,813	0.4%	98.0%
Market Rate (Residential)	High Performance HVAC Equipment	HVAC	948,438	16.00		15,175,015	948,438	0.4%	98.4%
Market Rate (Residential)	Clothes Dryer	Appliances	605,642	16.00		9,690,272	605,642	0.2%	98.6%
Market Rate (Residential)	Kits	Shell	451,231	1.00		451,231	451,231	0.2%	98.8%
Market Rate (Residential)	Shower Timer	Hot Water	420,406	2.00		840,811	420,406	0.2%	98.9%
Market Rate (Residential)	LED Exit Signs, Channel Sign & Nightlight	Lighting	316,432	8.00		2,531,460	316,432	0.1%	99.1%
Market Rate (Residential)	Duct Insulation and Sealing	Shell	307,523	20.00		6,150,459	307,523	0.1%	99.2%
Market Rate (Residential)	Gas & HP Water Heater	Hot Water	305,737	15.00		4,586,052	305,737	0.1%	99.3%
Market Rate (Residential)	Freezer & Refrigerator	Appliances	287,355	15.00		4,310,327	287,355	0.1%	99.4%
Market Rate (Residential)	Kitchen & Bathroom Faucet Aerator	Hot Water	284,004	10.00		2,840,044	284,004	0.1%	99.5%
Market Rate (Residential)	Water Dispenser	Appliances	209,510	10.00		2,095,104	209,510	0.1%	99.6%
Market Rate (Residential)	Attic/Wall/Basement /Floor/Foundation Insulation	Shell	206,271	30.00		6,188,143	206,271	0.1%	99.7%
Market Rate (Residential)	Occupancy Sensor & Other Controls	Lighting	186,539	10.00		1,865,390	186,539	0.1%	99.7%
Market Rate (Residential)	Smart Socket	Consumer Electronics	159,542	7.00		1,116,791	159,542	0.1%	99.8%
Market Rate (Residential)	Induction Stove	Appliances	127,177	16.00		2,034,833	127,177	0.0%	99.8%
Market Rate (Residential)	Energy Recovery Ventilation	HVAC	119,234	15.00		1,788,513	119,234	0.0%	99.9%
Market Rate (Residential)	Reduced Infiltration & Thermal Bridging	Shell	84,225	20.00		1,684,501	84,225	0.0%	99.9%
Market Rate (Residential)	Hot Water Conservation	Hot Water	56,555	10.00		565,555	56,555	0.0%	99.9%
Market Rate (Residential)	Shower Flow Reducer	Hot Water	46,750	10.00		467,500	46,750	0.0%	99.9%
Market Rate (Residential)	Efficient Appliances	Appliances	41,072	14.14		580,888	41,072	0.0%	100.0%
Market Rate (Residential)	Ventilation Fan	HVAC	33,929	19.00		644,643	33,929	0.0%	100.0%
Market Rate (Residential)	HVAC Control System & Maintenance	HVAC	29,366	11.00		323,030	29,366	0.0%	100.0%
Market Rate (Residential)	Pipe Insulation	Hot Water	23,137	15.00		347,049	23,137	0.0%	100.0%
Market Rate (Residential)	Water Heater Temperature Setback	Hot Water	19,982	2.00		39,964	19,982	0.0%	100.0%
Market Rate (Residential)	Duct Insulation and Sealing	HVAC	7,543	20.00		150,869	7,543	0.0%	100.0%
Market Rate (Residential)	Motors/Fans/Pumps	HVAC	3,001	19.00		57,019	3,001	0.0%	100.0%
Market Rate (Residential)	Room & Central Air Conditioner	Appliances	936	12.00		11,234	936	0.0%	100.0%
Market Rate (Residential)	Thermostatic Radiator Shower Valve	Hot Water	799	10.00		7,993	799	0.0%	100.0%

Note: Cumulative percent is the cumulative sum of percent 1st year kWh achieved by the high impact measure. Percent 1st year kWh is the kWh total for the measure over the sum of kWh total for all measures (electric kWh, including electrification savings plus counted kWh converted, where applicable).

Source: Evaluation team analysis

Table 6-4: Summary Table of CY2024 High Impact Measures – Residential Net Impact

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Net)	Verified Net Savings (kWh from Therms)	Verified Net Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Market Rate (Residential)	Air Sealing	Shell	118,213,818		118,213,818	0.36	0.36
Market Rate (Residential)	Behavioral Savings	Behavior	100,555,672		100,555,672	0.31	0.67
Market Rate (Residential)	Heat Pumps (ASHP, Ductless HP, GSHP, Others)	HVAC	64,676,957		64,676,957	0.20	0.86
Market Rate (Residential)	Carryover Lamps	Lighting	11,399,072		11,399,072	0.03	0.90
Market Rate (Residential)	Advanced Thermostat	HVAC	5,777,112		5,777,112	0.02	0.91
Market Rate (Residential)	Clothes Washer	Appliances	5,687,627		5,687,627	0.02	0.93
Market Rate (Residential)	Air Purifier	Appliances	5,009,776		5,009,776	0.02	0.95
Market Rate (Residential)	Interior & Exterior LED Fixtures	Lighting	4,809,330		4,809,330	0.01	0.96
Market Rate (Residential)	Weather Stripping	Shell	2,410,336		2,410,336	0.01	0.97
Market Rate (Residential)	Low Flow Showerhead	Hot Water	1,830,655		1,830,655	0.01	0.97
Market Rate (Residential)	Dehumidifier	Appliances	1,513,371		1,513,371	0.00	0.98
Market Rate (Residential)	Advanced Power Strips	Consumer Electronics	1,164,819		1,164,819	0.00	0.98
Market Rate (Residential)	Strategic Energy Management	Other	1,119,813		1,119,813	0.00	0.99
Market Rate (Residential)	High Performance HVAC Equipment	HVAC	879,461		879,461	0.00	0.99
Market Rate (Residential)	Clothes Dryer	Appliances	469,539		469,539	0.00	0.99
Market Rate (Residential)	Kits	Shell	451,231		451,231	0.00	0.99
Market Rate (Residential)	Shower Timer	Hot Water	420,490		420,490	0.00	0.99
Market Rate (Residential)	Duct Insulation and Sealing	Shell	313,358		313,358	0.00	0.99
Market Rate (Residential)	Kitchen & Bathroom Faucet Aerator	Hot Water	283,676		283,676	0.00	0.99
Market Rate (Residential)	Gas & HP Water Heater	Hot Water	283,501		283,501	0.00	0.99
Market Rate (Residential)	LED Exit Signs, Channel Sign & Nightlight	Lighting	260,914		260,914	0.00	1.00
Market Rate (Residential)	Freezer & Refrigerator	Appliances	256,674		256,674	0.00	1.00
Market Rate (Residential)	Attic/Wall/Basement /Floor/Foundation Insulation	Shell	186,999		186,999	0.00	1.00
Market Rate (Residential)	Occupancy Sensor & Other Controls	Lighting	154,827		154,827	0.00	1.00
Market Rate (Residential)	Water Dispenser	Appliances	154,245		154,245	0.00	1.00
Market Rate (Residential)	Smart Socket	Consumer Electronics	135,793		135,793	0.00	1.00
Market Rate (Residential)	Induction Stove	Appliances	112,003		112,003	0.00	1.00
Market Rate (Residential)	Energy Recovery Ventilation	HVAC	110,563		110,563	0.00	1.00
Market Rate (Residential)	Reduced Infiltration & Thermal Bridging	Shell	78,100		78,100	0.00	1.00
Market Rate (Residential)	Hot Water Conservation	Hot Water	52,442		52,442	0.00	1.00
Market Rate (Residential)	Shower Flow Reducer	Hot Water	47,751		47,751	0.00	1.00
Market Rate (Residential)	Efficient Appliances	Appliances	38,085		38,085	0.00	1.00
Market Rate (Residential)	HVAC Control System & Maintenance	HVAC	27,231		27,231	0.00	1.00
Market Rate (Residential)	Ventilation Fan	HVAC	24,289		24,289	0.00	1.00
Market Rate (Residential)	Water Heater Temperature Setback	Hot Water	19,982		19,982	0.00	1.00
Market Rate (Residential)	Pipe Insulation	Hot Water	19,469		19,469	0.00	1.00
Market Rate (Residential)	Duct Insulation and Sealing	HVAC	6,791		6,791	0.00	1.00
Market Rate (Residential)	Motors/Fans/Pumps	HVAC	2,783		2,783	0.00	1.00
Market Rate (Residential)	Room & Central Air Conditioner	Appliances	674		674	0.00	1.00
Market Rate (Residential)	Thermostatic Radiator Shower Valve	Hot Water	659		659	0.00	1.00

Note: Cumulative percent is the cumulative sum of percent 1st year kWh achieved by the high impact measure. Percent 1st year kWh is the kWh total for the measure over the sum of kWh total for all measures (electric kWh, including electrification savings plus counted kWh converted, where applicable).

Source: Evaluation team analysis

Table 6-5: Summary Table of CY2024 High Impact Measures – Income Eligible Gross Impact

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Gross)	Weighted Average Measure Life*	Verified Gross Savings (kWh from Therms)	Lifetime Gross kWh (Verified)	Verified Gross Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Income Eligible	Omni-Directional LED Lamps	Lighting	288,787,347	8.00		2,310,084,230	288,787,347	39.6%	39.6%
Income Eligible	Air Sealing	Shell	59,085,512	20.00	149,716,128	1,181,710,242	208,801,640	28.7%	68.3%
Income Eligible	Attic/Wall/Basement /Floor/Foundation Insulation	Shell	6,564,918	30.00	28,084,788	196,947,531	34,649,706	4.8%	73.1%
Income Eligible	Standard LED Lamps	Lighting	28,055,898	8.00		224,469,511	28,055,898	3.9%	76.9%
Income Eligible	Interior & Exterior LED Fixtures	Lighting	26,371,612	8.22		216,806,531	26,371,612	3.6%	80.5%
Income Eligible	Heat Pumps (ASHP, Ductless HP, GSHP, Others)	HVAC	23,229,024	15.98		371,295,837	23,229,024	3.2%	83.7%
Income Eligible	Specialty LED Lamps	Lighting	22,356,806	8.00		178,833,075	22,356,806	3.1%	86.8%
Income Eligible	Advanced Power Strips	Consumer Electronics	21,274,623	7.00		148,922,359	21,274,623	2.9%	89.7%
Income Eligible	Carryover Lamps	Lighting	15,763,511	9.94		156,675,802	15,763,511	2.2%	91.9%
Income Eligible	Decorative & Directional LED Lamps	Lighting	13,553,231	8.00		108,425,849	13,553,231	1.9%	93.7%
Income Eligible	High Performance HVAC Equipment	HVAC	5,384,508	14.53	1,171,211	78,236,907	6,555,719	0.9%	94.6%
Income Eligible	Advanced Thermostat	HVAC	6,527,938	11.31		73,831,406	6,527,938	0.9%	95.5%
Income Eligible	LED Exit Signs, Channel Sign & Nightlight	Lighting	5,286,590	7.85		41,516,843	5,286,590	0.7%	96.2%
Income Eligible	Weather Stripping	Shell	1,905,358	20.00	1,306,640	38,107,158	3,211,998	0.4%	96.7%
Income Eligible	Low Flow Showerhead	Hot Water	2,915,701	10.00		29,157,010	2,915,701	0.4%	97.1%
Income Eligible	Fork Trucks	Other	2,621,429	15.00		39,321,435	2,621,429	0.4%	97.4%
Income Eligible	High Efficiency Boiler	HVAC			1,963,402		1,963,402	0.3%	97.7%
Income Eligible	Kits	Shell	1,806,271	1.00		1,806,271	1,806,271	0.2%	98.0%
Income Eligible	Room & Central Air Conditioner	Appliances	1,434,389	12.01		17,222,707	1,434,389	0.2%	98.2%
Income Eligible	Shower Timer	Hot Water	1,339,224	2.00		2,678,448	1,339,224	0.2%	98.3%
Income Eligible	Caulk	Shell	1,310,089	20.00		26,201,786	1,310,089	0.2%	98.5%
Income Eligible	Reduced Infiltration & Thermal Bridging	Shell	523,000	20.00	731,133	10,460,001	1,254,133	0.2%	98.7%
Income Eligible	Other Non-lighting	Other	1,250,932	1.22		1,528,056	1,250,932	0.2%	98.9%
Income Eligible	Air Purifier	Appliances	911,812	9.00		8,206,312	911,812	0.1%	99.0%
Income Eligible	Gas & HP Water Heater	Hot Water	874,962	15.00		13,124,433	874,962	0.1%	99.1%
Income Eligible	Kitchen & Bathroom Faucet Aerator	Hot Water	821,086	10.00		8,210,855	821,086	0.1%	99.2%
Income Eligible	Occupancy Sensor & Other Controls	Lighting	656,165	9.90		6,496,451	656,165	0.1%	99.3%
Income Eligible	Dehumidifier	Appliances	523,191	12.00		6,278,293	523,191	0.1%	99.4%
Income Eligible	Smart Socket	Consumer Electronics	502,587	7.00		3,518,108	502,587	0.1%	99.5%
Income Eligible	Room & Central Air Conditioner	HVAC	386,695	17.85		6,900,812	386,695	0.1%	99.5%
Income Eligible	Other Non-lighting	Shell	185,927	20.00	191,316	3,718,541	377,243	0.1%	99.6%
Income Eligible	Switch and Outlet Gasket	Shell	185,927	20.00	191,316	3,718,541	377,243	0.1%	99.6%
Income Eligible	Bathroom & Kitchen Exhaust Fan	HVAC	321,124	19.00		6,101,356	321,124	0.0%	99.7%
Income Eligible	Air Handler Filter Replacement	HVAC	285,686	3.00		857,058	285,686	0.0%	99.7%
Income Eligible	Kits	Hot Water	282,850	10.00		2,828,500	282,850	0.0%	99.7%
Income Eligible	Duct Insulation and Sealing	HVAC	262,065	20.00		5,241,294	262,065	0.0%	99.8%
Income Eligible	Clothes Washer	Appliances	258,792	14.00		3,623,091	258,792	0.0%	99.8%
Income Eligible	High-Performance Windows	Shell	82,176	20.00	116,185	1,643,513	198,361	0.0%	99.8%
Income Eligible	Freezer & Refrigerator	Appliances	186,303	15.02		2,798,721	186,303	0.0%	99.9%
Income Eligible	Efficient Appliances	Appliances	181,208	15.20		2,754,364	181,208	0.0%	99.9%
Income Eligible	Pipe Insulation	Hot Water	130,634	15.00		1,959,506	130,634	0.0%	99.9%
Income Eligible	ECM Furnace Blower & Motor	HVAC	128,038	6.00		768,229	128,038	0.0%	99.9%
Income Eligible	HVAC Control System & Maintenance	HVAC	119,329	11.00		1,312,615	119,329	0.0%	99.9%
Income Eligible	Clothes Dryer	Appliances	98,622	16.00		1,577,946	98,622	0.0%	100.0%
Income Eligible	Motors/Fans/Pumps	HVAC	69,945	19.00		1,328,959	69,945	0.0%	100.0%
Income Eligible	Induction Stove	Appliances	52,292	16.00		836,672	52,292	0.0%	100.0%
Income Eligible	Hot Water Conservation	Hot Water	50,413	12.64		637,225	50,413	0.0%	100.0%
Income Eligible	Water Heater Temperature Setback	Hot Water	35,131	2.00		70,262	35,131	0.0%	100.0%
Income Eligible	Water Dispenser	Appliances	28,644	10.00		286,440	28,644	0.0%	100.0%
Income Eligible	Tune-Up	HVAC	27,885	3.00		83,655	27,885	0.0%	100.0%
Income Eligible	Covers and Gap Sealers for Room AC	HVAC	25,247	5.00		126,234	25,247	0.0%	100.0%
Income Eligible	Efficient Appliances	HVAC	18,686	15.00		280,289	18,686	0.0%	100.0%
Income Eligible	Pipe Insulation	HVAC	6,614	15.00		99,207	6,614	0.0%	100.0%
Income Eligible	Ventilation Fan	HVAC	6,502	19.00		123,548	6,502	0.0%	100.0%
Income Eligible	Shower Flow Reducer	Hot Water	4,422	10.00		44,217	4,422	0.0%	100.0%
Income Eligible	Electric Water Heater	Hot Water	3,155	13.30		41,963	3,155	0.0%	100.0%
Income Eligible	Beverage & Snack Machine Controls	Refrigeration	2,621	5.00		13,107	2,621	0.0%	100.0%
Income Eligible	Window Film	Shell	1,717	1.00		1,717	1,717	0.0%	100.0%
Income Eligible	Other Non-lighting	HVAC	1,509	15.00		22,635	1,509	0.0%	100.0%
Income Eligible	High Efficiency Furnace	HVAC	666	20.00		13,320	666	0.0%	100.0%
Income Eligible	Water Heater Wrap	Hot Water	138	5.00		691	138	0.0%	100.0%

Note: Cumulative percent is the cumulative sum of percent 1st year kWh achieved by the high impact measure. Percent 1st year kWh is the kWh total for the measure over the sum of kWh total for all measures (electric kWh plus counted kWh converted, where applicable). This table includes IE measures from midstream programs that claimed 10% electrification savings from IE.

Source: Evaluation team analysis

Table 6-6: Summary Table of CY2024 High Impact Measures – Income Eligible Net Impact

Sector	High Impact Measure	End Use Type	First year kWh Savings (Verified Net)	Verified Net Savings (kWh from Therms)	Verified Net Savings (kWh Total)	Percent 1st Year kWh	Cumulative Percent
Income Eligible	Omni-Directional LED Lamps	Lighting	288,787,347		288,787,347	39.7%	39.7%
Income Eligible	Air Sealing	Shell	59,085,512	149,716,128	208,801,640	28.7%	68.4%
Income Eligible	Attic/Wall/Basement /Floor/Foundation Insulation	Shell	6,564,918	28,084,788	34,649,706	4.8%	73.2%
Income Eligible	Standard LED Lamps	Lighting	28,055,898		28,055,898	3.9%	77.1%
Income Eligible	Interior & Exterior LED Fixtures	Lighting	26,371,612		26,371,612	3.6%	80.7%
Income Eligible	Heat Pumps (ASHP, Ductless HP, GSHP, Others)	HVAC	22,902,384		22,902,384	3.1%	83.8%
Income Eligible	Specialty LED Lamps	Lighting	22,356,806		22,356,806	3.1%	86.9%
Income Eligible	Advanced Power Strips	Consumer Electronics	21,274,623		21,274,623	2.9%	89.8%
Income Eligible	Carryover Lamps	Lighting	15,188,526		15,188,526	2.1%	91.9%
Income Eligible	Decorative & Directional LED Lamps	Lighting	13,553,231		13,553,231	1.9%	93.8%
Income Eligible	High Performance HVAC Equipment	HVAC	5,384,508	1,171,211	6,555,719	0.9%	94.7%
Income Eligible	Advanced Thermostat	HVAC	6,527,938		6,527,938	0.9%	95.6%
Income Eligible	LED Exit Signs, Channel Sign & Nightlight	Lighting	5,286,590		5,286,590	0.7%	96.3%
Income Eligible	Weather Stripping	Shell	1,905,358	1,306,640	3,211,998	0.4%	96.8%
Income Eligible	Low Flow Showerhead	Hot Water	2,915,701		2,915,701	0.4%	97.2%
Income Eligible	Fork Trucks	Other	2,097,143		2,097,143	0.3%	97.4%
Income Eligible	High Efficiency Boiler	HVAC		1,963,402	1,963,402	0.3%	97.7%
Income Eligible	Kits	Shell	1,806,271		1,806,271	0.2%	98.0%
Income Eligible	Room & Central Air Conditioner	Appliances	1,434,389		1,434,389	0.2%	98.2%
Income Eligible	Shower Timer	Hot Water	1,339,224		1,339,224	0.2%	98.3%
Income Eligible	Caulk	Shell	1,310,089		1,310,089	0.2%	98.5%
Income Eligible	Reduced Infiltration & Thermal Bridging	Shell	523,000	731,133	1,254,133	0.2%	98.7%
Income Eligible	Other Non-lighting	Other	1,250,932		1,250,932	0.2%	98.9%
Income Eligible	Air Purifier	Appliances	911,812		911,812	0.1%	99.0%
Income Eligible	Gas & HP Water Heater	Hot Water	874,962		874,962	0.1%	99.1%
Income Eligible	Kitchen & Bathroom Faucet Aerator	Hot Water	821,086		821,086	0.1%	99.2%
Income Eligible	Occupancy Sensor & Other Controls	Lighting	656,165		656,165	0.1%	99.3%
Income Eligible	Dehumidifier	Appliances	523,191		523,191	0.1%	99.4%
Income Eligible	Smart Socket	Consumer Electronics	502,587		502,587	0.1%	99.5%
Income Eligible	Room & Central Air Conditioner	HVAC	386,695		386,695	0.1%	99.5%
Income Eligible	Other Non-lighting	Shell	185,927	191,316	377,243	0.1%	99.6%
Income Eligible	Switch and Outlet Gasket	Shell	185,927	191,316	377,243	0.1%	99.6%
Income Eligible	Bathroom & Kitchen Exhaust Fan	HVAC	321,124		321,124	0.0%	99.7%
Income Eligible	Air Handler Filter Replacement	HVAC	285,686		285,686	0.0%	99.7%
Income Eligible	Kits	Hot Water	282,850		282,850	0.0%	99.7%
Income Eligible	Duct Insulation and Sealing	HVAC	262,065		262,065	0.0%	99.8%
Income Eligible	Clothes Washer	Appliances	258,792		258,792	0.0%	99.8%
Income Eligible	High-Performance Windows	Shell	82,176	116,185	198,361	0.0%	99.8%
Income Eligible	Freezer & Refrigerator	Appliances	186,303		186,303	0.0%	99.9%
Income Eligible	Efficient Appliances	Appliances	181,208		181,208	0.0%	99.9%
Income Eligible	Pipe Insulation	Hot Water	130,634		130,634	0.0%	99.9%
Income Eligible	ECM Furnace Blower & Motor	HVAC	128,038		128,038	0.0%	99.9%
Income Eligible	HVAC Control System & Maintenance	HVAC	119,329		119,329	0.0%	99.9%
Income Eligible	Clothes Dryer	Appliances	98,622		98,622	0.0%	100.0%
Income Eligible	Motors/Fans/Pumps	HVAC	69,945		69,945	0.0%	100.0%
Income Eligible	Induction Stove	Appliances	52,292		52,292	0.0%	100.0%
Income Eligible	Hot Water Conservation	Hot Water	50,413		50,413	0.0%	100.0%
Income Eligible	Water Heater Temperature Setback	Hot Water	35,131		35,131	0.0%	100.0%
Income Eligible	Water Dispenser	Appliances	28,644		28,644	0.0%	100.0%
Income Eligible	Tune-Up	HVAC	27,885		27,885	0.0%	100.0%
Income Eligible	Covers and Gap Sealers for Room AC	HVAC	25,247		25,247	0.0%	100.0%
Income Eligible	Efficient Appliances	HVAC	18,686		18,686	0.0%	100.0%
Income Eligible	Pipe Insulation	HVAC	6,614		6,614	0.0%	100.0%
Income Eligible	Ventilation Fan	HVAC	6,502		6,502	0.0%	100.0%
Income Eligible	Shower Flow Reducer	Hot Water	4,422		4,422	0.0%	100.0%
Income Eligible	Electric Water Heater	Hot Water	3,155		3,155	0.0%	100.0%
Income Eligible	Beverage & Snack Machine Controls	Refrigeration	2,621		2,621	0.0%	100.0%
Income Eligible	Window Film	Shell	1,717		1,717	0.0%	100.0%
Income Eligible	Other Non-lighting	HVAC	1,509		1,509	0.0%	100.0%
Income Eligible	High Efficiency Furnace	HVAC	666		666	0.0%	100.0%
Income Eligible	Water Heater Wrap	Hot Water	138		138	0.0%	100.0%

Note: Cumulative percent is the cumulative sum of percent 1st year kWh achieved by the high impact measure. Percent 1st year kWh is the kWh total for the measure over the sum of kWh total for all measures (electric kWh plus counted kWh converted, where applicable). This table includes IE measures from midstream programs that claimed 10% electrification savings from IE.

Source: Evaluation team analysis