



ComEd Behavior - Res/IE Program CY2025 Impact Evaluation Report

Energy Efficiency and Demand Response Plan

Program Year 2025 (CY2025)

(01/01/2025-12/31/2025)

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ComEd



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1 Introduction

This report presents the results of the impact evaluation of the Behavior - Res/IE (a.k.a. Home Energy Reports or HER) program from the program year from January 1 to December 31, 2025 (CY2025). The program was designed to generate energy savings by providing residential customers with information about energy use and conservation strategies. Program participants receive information from regularly mailed and emailed home energy reports.

2 Program Savings Detail

Table 1 summarizes the incremental energy and demand savings the Behavior - Res/IE program achieved in CY2025. Since the randomized control trial (RCT) design of the Behavior - Res/IE program inherently estimates net savings, neither the evaluation team nor the implementer estimated gross savings and there is no gross realization rate or net-to-gross ratio. Similarly, the RCT cannot identify specific measures that produce savings and so cannot calculate electrification savings, and it is based on electricity consumption and so cannot calculate savings from other fuels.

Table 1. Total Annual Incremental Electric Savings - Total

Savings Category	Units	Ex Ante Gross Savings*	Program Gross Realization Rate	Verified Gross Savings*	Program Net-to-Gross Ratio (NTG)	CY2023 Net Carryover Savings	CY2024 Net Carryover Savings	Verified Net Savings†
Electric Energy Savings - Direct‡	kWh							81,376,701
Electric Energy Savings - Converted from Other Fuels§	kWh							0
Electric Energy Savings - Indirect from Electrification (electrification kWh baseline)								0
Electric Energy Savings - Indirect from Electrification (efficiency kWh baseline)	kWh							0
Total Electric Energy Savings#	kWh							81,376,701
Total Electric Energy Savings Including Carryover#	kWh							0
Summer Peak*† Demand Savings	kW							14,046
Summer Peak*† Demand Savings Including Carryover	kW							0

N/A = not applicable (refers to a piece of data that cannot be produced or does not apply).

** The "Ex Ante Gross Savings" and "Verified Gross Savings" in row one (Electric Energy Savings - Direct) and row seven (Summer Peak Demand Savings) exclude gross carryover savings from CY2023 and CY2024.*

† The "Verified Net Savings" in row one (Electric Energy Savings - Direct) and row seven (Summer Peak Demand Savings) include net carryover savings from CY2023 and CY2024 for applicable programs.

‡ The Electric Energy Savings - Direct includes primary kWh savings from efficient measures (excluding electrification savings from both electrification and efficiency baseline), secondary kWh savings from wastewater treatment, and electric heating penalties.

*§ Other fuel savings converted to kWh by multiplying Therms * 29.31 (which is based on 100,000 Btu/Therm and 3,412 Btu/kWh). The evaluation team will determine which other fuel savings will be converted to kWh and counted toward ComEd's electric savings goal while producing the portfolio-wide Summary Report.*

|| Electrification savings excluding direct efficiency savings. Calculated from net electric savings from increase in kWh consumption and decrease in gas consumption from electrification (kWh equivalent). This row calculates savings using electrification baseline. The next row (Electric Energy Savings - Indirect from Electrification (efficiency baseline)) calculates the portion of converted electrification savings to traditional efficiency electric savings using an efficiency baseline, which can be claimable towards

ComEd's electric savings goal (applied to only midstream programs).¹ The evaluation team determined which electrification savings are allocated toward ComEd's electrification savings goal, and which portion of electrification are converted to traditional efficiency electric savings based on analysis of portfolio-wide verified savings.

Total Electric Energy Savings is the sum of the Electric Energy Savings - Direct, Electric Energy Savings Converted from Other Fuel, Electric Energy Savings - Indirect from Electrification (electrification baseline), and Electric Energy Savings - Indirect from Electrification (efficiency baseline). Note: This row does not include carryover gross savings, but the next row (Total Electric Savings Including Carryover) includes carryover in the gross savings, for the purpose of recalculating the gross realization rate, including carryover savings (same for the peak demand 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 requirements.

Note: The program-level NTG values 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-2025>. The NTG ratio for eligible business customers in disadvantaged neighborhoods is set to 1.00 as per the "NTG Ratio for Disadvantaged Areas" policy.²

Source: Evaluation team analysis

Table 2 provides the detailed adjustments made to arrive at the final verified net savings for CY2025 and reports the program net realization rate. Of the modeled savings, 5% are from uplift into other ComEd energy efficiency programs, and over half (64%) are attributable to prior program years. After the uplift and persistence adjustments, the program achieved a net realization rate of 0.98.

Table 2. Total Program Net Electric Savings - Total

Savings Category	Energy Savings (kWh)
Ex Ante Net Savings	83,420,000
Modeled Savings	258,511,450
Current Year Uplift Adjustment	(1,540,589)
Legacy Uplift Adjustment	(10,534,671)
Verified Unadjusted Net Savings	246,436,190
Persistence Adjustment	(165,059,489)
Final Verified Net Savings	81,376,701
Program Net Realization Rate	0.98

Source: Evaluation team analysis

¹ 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)

² Illinois Energy Efficiency Policy Manual Version 3.0, Section 7.4, available at <https://www.ilsag.info/policy/>

3 Cumulative Persisting Annual Savings

Table 3 shows the cumulative persisting annual savings (CPAS) for the measures installed in CY2025.

Table 3. CPAS – Electric

Savings Category	Verified Gross Savings (kWh)	Lifetime Net Savings (kWh)†	CPAS Verified Net kWh Savings											
			2018	2019	2020	2021	2022	2023	2024	2025	2026	2027		
CY2025 Program Total Contribution to CPAS	0	289,142,164										81,376,701	59,840,092	43,644,899
Historic Program Total Contribution to CPAS‡			279,539,772	255,950,948	240,435,808	249,725,611	259,799,415	228,488,841	246,016,444	165,010,327	111,854,495	80,740,846		
Program Total CPAS	0	289,142,164	279,539,772	255,950,948	240,435,808	249,725,611	259,799,415	228,488,841	246,016,444	246,387,028	171,694,587	124,385,746		
CY2025 Program Incremental Expiring Savings§													21,536,609	16,195,193
Historic Program Incremental Expiring Savings												81,006,117	53,155,831	31,113,649
Program Total Incremental Expiring Savings#												81,006,117	74,692,440	47,308,842

Savings Category	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041
CY2025 Program Total Contribution to CPAS	31,366,758	23,035,774	16,845,683	12,467,154	9,105,824	6,610,579	4,848,701	0	0	0	0	0	0	0
Historic Program Total Contribution to CPAS‡	58,991,481	43,043,263	31,441,519	22,831,187	13,357,353	6,196,502	0	0	0	0	0	0	0	0
Program Total CPAS	90,358,239	66,079,037	48,287,202	35,298,341	22,463,177	12,807,081	4,848,701	0	0	0	0	0	0	0
CY2025 Program Incremental Expiring Savings§	12,278,141	8,330,985	6,190,091	4,378,529	3,361,330	2,495,245	1,761,878	4,848,701	0	0	0	0	0	0
Historic Program Incremental Expiring Savings	21,749,365	15,948,218	11,601,745	8,610,332	9,473,833	7,160,851	6,196,502	0	0	0	0	0	0	0
Program Total Incremental Expiring Savings#	34,027,506	24,279,202	17,791,835	12,988,861	12,835,164	9,656,096	7,958,380	4,848,701	0	0	0	0	0	0

† 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.

Program total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

Source: Evaluation team analysis