

Energy Education Outreach Program Impact Evaluation Report

Energy Efficiency Plan: Program Year 2025

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

Prepared for:

Peoples Gas and North Shore Gas

PEOPLES GAS® | NORTH SHORE GAS®

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1 Introduction

This report presents the results of the impact evaluation of the Peoples Gas (PGL) and North Shore Gas (NSG) 2025 Energy Education Outreach (EEO) Kits Program. It presents a summary of the energy impacts for the total program and broken out by relevant measure and program structure details. Appendix A presents the impact analysis methodology. Appendix B shows the Total Resource Cost (TRC) cost-effectiveness analysis inputs. Program year 2025 covers January 1 to December 31, 2025.

2 Program Description

The EEO Kits program is offered jointly to schools served by PGL or NSG and ComEd. PGL and NSG claimed all the gas savings, while ComEd claimed all the electricity savings from kits sent to the joint utility customers. The EEO Kits program has three paths, Income Eligible, Market Rate and Market Rate B Kits. Income Eligible and Market Rate kits consist of five water saving measures including faucet aerators, showerheads, shower timers, temperature setback cards, and three air sealing measures including door sweeps, window insulation kits, and weatherstripping rolls. Market Rate B Kit includes four additional air sealing measures: rope caulk, V-Seal Weatherstripping Roll, and switch and outlet gaskets. Income eligible kits are distributed at schools that are located in low-income communities.

The program had 11,080 participants in 2025 and distributed 100,061 measures, as shown in Table 1.

Table 1. 2025 Volumetric Summary for PGL

Participation	Income Eligible	Market Rate	Market Rate B	Total
Participants*	3,796	7,253	31	11,080
Distributed Measures †	65,277	34,164	620	100,061
Measure Types Installed ‡	8	8	12	12

* Participants are defined as number of kits distributed.

† Distributed Measures is the total quantity of measures distributed.

‡ Measure types installed are the distinct count of PGL measures; total reflects unique measures across paths.

Source: Peoples Gas tracking data and evaluation team analysis.

Table 2 summarizes the installed measure quantities that are the basis for verified energy savings.

Table 2. 2025 Installed Measure Quantities for PGL

Program Category	Program Path	Measure	Quantity Unit	Quantity
Non-Disadvantaged Communities	Market Rate	Low-Flow Showerhead (1.5 GPM) MR	Unit	2,784
		Kitchen Aerator (1.5 GPM) MR	Unit	2,784
		Bathroom Aerator (1.0 GPM) MR	Unit	5,568
		Shower Timer MR	Unit	2,784
		Temperature Setback Card MR	Unit	2,784

Program Category	Program Path	Measure	Quantity Unit	Quantity
	Market Rate B	Self-Adhesive Door Sweep MR	Unit	2,784
		Window Insultation Kit (5-pack) MR	Unit	2,784
		Closed-Cell Foam Weatherstripping Roll (17') MR	Unit	2,784
		Closed-Foam Weatherstripping Roll (17') MRB	Unit	62
		Rope Caulk (30') MRB	Unit	62
		Self-Adhesive Door Sweep MRB	Unit	31
		Low-Flow Showerhead (1.5 GPM) MRB	Unit	31
		V-Seal Weatherstripping Roll (17') MRB	Unit	31
		Outlet Gasket MRB	Unit	124
		Switch Gasket MRB	Unit	124
		Bathroom Aerator (1 GPM) MRB	Unit	31
		Kitchen Aerator (1.5 GPM) MRB	Unit	31
		Temperature Setback Card MRB	Unit	31
		Shower Timer MRB	Unit	31
		Window Insulation Kit (Pack of 5) MRB	Unit	31
	Market Rate	Low-Flow Showerhead (1.5 GPM) MR DAC	Unit	1,012
		Kitchen Aerator (1.5 GPM) MR DAC	Unit	1,012
		Bathroom Aerator (1.0 GPM) MR DAC	Unit	2,024
		Shower Timer MR DAC	Unit	1,012
		Temperature Setback Card MR DAC	Unit	1,012
		Self-Adhesive Door Sweep MR DAC	Unit	1,012
		Window Insultation Kit (5-pack) MR DAC	Unit	1,012
		Closed-Cell Foam Weatherstripping Roll (17') MR DAC	Unit	1,012
Disadvantaged Communities	Income Eligible	Low-Flow Showerhead (1.5 GPM) IE	Unit	7,253
		Kitchen Aerator (1.5 GPM) IE	Unit	7,253
		Bathroom Aerator (1.0 GPM) IE	Unit	14,506
		Shower Timer IE	Unit	7,253
		Temperature Setback Card IE	Unit	7,253
		Self-Adhesive Door Sweep IE	Unit	7,253
		Window Insultation Kit (5-pack) IE	Unit	7,253
		Closed-Cell Foam Weatherstripping Roll (17') IE	Unit	7,253

Source: Peoples Gas tracking data and evaluation team analysis.

The NSG program had 2,416 participants in 2025 and distributed 21,744 measures, as shown in Table 3.

Table 3. 2025 Volumetric Summary for NSG

Participation	Income Eligible	Market Rate	Total
Participants	897	1,519	2,416
Distributed Measures †	8,073	13,671	21,744
Measure Types Installed ‡	8	8	8

* Participants are defined as number of kits distributed.

† Distributed Measures is the total quantity of measures distributed.

‡ Measure types installed are the distinct count of NSG measures; totals reflect unique measures across paths.

Source: North Shore Gas tracking data and evaluation team analysis.

Table 4 summarizes the installed measure quantities that are the basis for verified energy savings.

Table 4. 2025 Installed Measure Quantities for NSG

Program Category	Program Path	Measure	Quantity Unit	Quantity
Non-Disadvantaged Communities	Market Rate	Low-Flow Showerhead (1.5 GPM) MR	Unit	1,456
		Kitchen Aerator (1.5 GPM) MR	Unit	1,456
		Bathroom Aerator (1.0 GPM) MR	Unit	2,912
		Shower Timer MR	Unit	1,456
		Temperature Setback Card MR	Unit	1,456
		Self-Adhesive Door Sweep MR	Unit	1,456
		Window Insultation Kit (5-pack) MR	Unit	1,456
		Closed-Cell Foam Weatherstripping Roll (17') MR	Unit	1,456
Disadvantaged Communities	Market Rate	Low-Flow Showerhead (1.5 GPM) MR DAC	Unit	63
		Kitchen Aerator (1.5 GPM) MR DAC	Unit	63
		Bathroom Aerator (1.0 GPM) MR DAC	Unit	126
		Shower Timer MR DAC	Unit	63
		Temperature Setback Card MR DAC	Unit	63
		Self-Adhesive Door Sweep MR DAC	Unit	63
		Window Insultation Kit (5-pack) MR DAC	Unit	63
		Closed-Cell Foam Weatherstripping Roll (17') MR DAC	Unit	63
	Income Eligible	Low-Flow Showerhead (1.5 GPM) IE	Unit	897
		Kitchen Aerator (1.5 GPM) IE	Unit	897
		Bathroom Aerator (1.0 GPM) IE	Unit	1,794
		Shower Timer IE	Unit	897
		Temperature Setback Card IE	Unit	897
		Self-Adhesive Door Sweep IE	Unit	897
		Window Insultation Kit (5-pack) IE	Unit	897
		Closed-Cell Foam Weatherstripping Roll (17') IE	Unit	897

Source: North Shore Gas tracking data and Guidehouse evaluation team analysis.

3 Program Savings Detail

Table 5 summarizes the energy savings the PGL EEO Program achieved by paths Income Eligible, Market Rate and Market Rate B in 2025.

Table 5. 2025 Annual Energy Savings Summary for PGL

Program Category	Program Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NPSO‡	Verified Net Savings (Therms)
Non-Disadvantaged Communities	Market Rate	71,346	100%	71,345	1.00	1.083	77,267
	Market Rate B	1,399	100%	1,399	1.00	1.083	1,515
Non-DAC Subtotal		72,745		72,745			78,782
Disadvantaged Communities	Market Rate	25,934	100%	25,934	1.00	1.083	28,087
DAC Subtotal		25,934		25,934			28,087
	Income Eligible	178,656	100%	178,656	1.00	N/A	178,656
Total		277,335	100%	277,335			285,525

Note: Savings and realization rates presented in this table are rounded and may not sum precisely to the total.

* Realization Rate (RR) is the ratio of verified gross savings to ex ante gross savings, based on evaluation research findings.

† NTG, Net to Gross is the deemed value available on the SAG website: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2025/>.

‡ The market rate net savings were multiplied by a residential non-participant spillover (NPSO) factor of 1.083. Based on SAG Policy, if deemed NTG is multiplied by the NPSO and the resulting NTG value is less than 1.00, the evaluation assigned a NTG of 1.00 to projects in DAC zones. If the resulted NTG value is >1.00, the evaluation used the >1.00 value for calculating the net savings impact (NPSO is marked as N/A in this case).

Source: Evaluation team analysis.

Table 6 summarizes the energy savings the NSG EEO Program achieved by paths Income Eligible and Market Rate in 2025.

Table 6. 2025 Annual Energy Savings Summary for NSG

Program Category	Program Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NPSO‡	Verified Net Savings (Therms)
Non-Disadvantaged Communities	Market Rate	36,742	100%	36,742	1.00	1.083	39,792
Disadvantaged Communities	Market Rate	1,590	100%	1,590	1.00	1.083	1,722
	Income Eligible	22,264	100%	22,264	1.00	N/A	22,264
Total		60,596	100%	60,595			63,777

Footnotes are defined similarly as found in Table 5.

Source: Evaluation team analysis.

4 Program Savings by Measure

The PGL program savings are presented by measure savings category in Table 7. The Window Insulation Kit (5-pack) and Low Flow Showerheads measures contributed the most savings for the Market Rate and Income Eligible paths. The Rope Caulk (30') and Closed-Foam Weatherstripping Roll (17') MRB measures contributed the most savings for the Market Rate B path.

Table 7. 2025 Annual Energy Savings by Measure for PGL

Program Category	Program Path	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NPSO‡	Verified Net Savings (Therms)
Non-Disadvantaged Communities	Market Rate	Low-Flow Showerhead (1.5 GPM) MR	17,982	100%	17,982	1.00	1.083	19,474
		Kitchen Aerator (1.5 GPM) MR	2,391	100%	2,391	1.00	1.083	2,590
		Bathroom Aerator (1.0 GPM) MR	2,890	100%	2,890	1.00	1.083	3,130
		Shower Timer MR	11,247	100%	11,247	1.00	1.083	12,181
		Temperature Setback Card MR	379	100%	379	1.00	1.083	410
		Self-Adhesive Door Sweep MR	9,087	100%	9,087	1.00	1.083	9,841
		Window Insulation Kit (5-pack) MR	17,066	100%	17,066	1.00	1.083	18,482
		Closed-Cell Foam Weatherstripping Roll (17') MR	10,304	100%	10,304	1.00	1.083	11,159
	Market Rate B	Closed-Foam Weatherstripping Roll (17') MRB	229	100%	229	1.00	1.083	249
		Rope Caulk (30') MRB	346	100%	346	1.00	1.083	375
		Self-Adhesive Door Sweep MRB	101	100%	101	1.00	1.083	110
		Low-Flow Showerhead (1.5 GPM) MRB	200	100%	200	1.00	1.083	217
		V-Seal Weatherstripping Roll (17') MRB	115	100%	115	1.00	1.083	124
		Outlet Gasket MRB	21	100%	21	1.00	1.083	23
		Switch Gasket MRB	21	100%	21	1.00	1.083	23
		Bathroom Aerator (1 GPM) MRB	16	100%	16	1.00	1.083	17
		Kitchen Aerator (1.5 GPM) MRB	27	100%	27	1.00	1.083	29
		Temperature Setback Card MRB	7	100%	7	1.00	1.083	8

Program Category	Program Path	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NPSO‡	Verified Net Savings (Therms)
Disadvantaged Communities		Shower Timer MRB	125	100%	125	1.00	1.083	136
		Window Insulation Kit (Pack of 5) MRB	190	100%	190	1.00	1.083	206
	Market Rate	Low-Flow Showerhead (1.5 GPM) MR DAC	6,537	100%	6,537	1.00	1.083	7,079
		Kitchen Aerator (1.5 GPM) MR DAC	869	100%	869	1.00	1.083	941
		Bathroom Aerator (1.0 GPM) MR DAC	1,050	100%	1,050	1.00	1.083	1,138
		Shower Timer MR DAC	4,088	100%	4,088	1.00	1.083	4,428
		Temperature Setback Card MR DAC	138	100%	138	1.00	1.083	149
		Self-Adhesive Door Sweep MR DAC	3,303	100%	3,303	1.00	1.083	3,577
		Window Insultation Kit (5-pack) MR DAC	6,204	100%	6,204	1.00	1.083	6,718
		Closed-Cell Foam Weatherstripping Roll (17') MR DAC	3,745	100%	3,745	1.00	1.083	4,056
	Income Eligible	Low-Flow Showerhead (1.5 GPM) IE	49,930	100%	49,930	1.00	N/A	49,930
		Kitchen Aerator (1.5 GPM) IE	6,644	100%	6,644	1.00	N/A	6,644
		Bathroom Aerator (1.0 GPM) IE	8,022	100%	8,022	1.00	N/A	8,022
		Shower Timer IE	26,836	100%	26,836	1.00	N/A	26,836
		Temperature Setback Card IE	986	100%	986	1.00	N/A	986
		Self-Adhesive Door Sweep IE	21,498	100%	21,498	1.00	N/A	21,498
		Window Insultation Kit (5-pack) IE	40,363	100%	40,363	1.00	N/A	40,363
		Closed-Cell Foam Weatherstripping Roll (17') IE	24,377	100%	24,377	1.00	N/A	24,377
Total		277,335	100%	277,335			285,525	

Note: Savings and realization rates presented in this table are rounded and may not sum precisely to the total.

* Realization Rate (RR) is the ratio of verified gross savings to ex ante gross savings, based on evaluation research findings.

† NTG, Net to Gross is the deemed value available on the SAG website: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2025/>.

‡ The market rate net savings were multiplied by a residential non-participant spillover (NPSO) factor of 1.083. Based on SAG Policy, if deemed NTG is multiplied by the NPSO and the resulting NTG value is less than 1.00, the evaluation assigned a NTG of 1.00 to projects in DAC zones. If the resulted NTG value is >1.00, the evaluation used the >1.00 value for calculating the net savings impact (NPSO is marked as N/A in this case).

Source: Evaluation team analysis.

The NSG program savings are presented by measure savings category in Table 8. The Window Insulation Kit (5-pack) and Low Flow Showerheads measures contributed the most savings for each path.

Table 8. 2025 Annual Energy Savings by Measure for NSG

Program Category	Program Path	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NPSO‡	Verified Net Savings (Therms)
Non-Disadvantaged Communities	Market Rate	Low-Flow Showerhead (1.5 GPM) MR	9,404	100%	9,404	1.00	1.083	10,185
		Kitchen Aerator (1.5 GPM) MR	1,251	100%	1,251	1.00	1.083	1,355
		Bathroom Aerator (1.0 GPM) MR	1,511	100%	1,511	1.00	1.083	1,637
		Shower Timer MR	5,311	100%	5,311	1.00	1.083	5,752
		Temperature Setback Card MR	198	100%	198	1.00	1.083	214
		Self-Adhesive Door Sweep MR	4,752	100%	4,752	1.00	1.083	5,147
		Window Insulation Kit (5-pack) MR	8,925	100%	8,925	1.00	1.083	9,666
		Closed-Cell Foam Weatherstripping Roll (17') MR	5,389	100%	5,389	1.00	1.083	5,836
Disadvantaged Communities	Market Rate	Low-Flow Showerhead (1.5 GPM) MR DAC	407	100%	407	1.00	1.083	441
		Kitchen Aerator (1.5 GPM) MR DAC	54	100%	54	1.00	1.083	59
		Bathroom Aerator (1.0 GPM) MR DAC	65	100%	65	1.00	1.083	71
		Shower Timer MR DAC	230	100%	230	1.00	1.083	249
		Temperature Setback Card MR DAC	9	100%	9	1.00	1.083	9
		Self-Adhesive Door Sweep MR DAC	206	100%	206	1.00	1.083	223
		Window Insulation Kit (5-pack) MR DAC	386	100%	386	1.00	1.083	418
		Closed-Cell Foam Weatherstripping Roll (17') MR DAC	233	100%	233	1.00	1.083	253
	Income Eligible	Low-Flow Showerhead (1.5 GPM) IE	6,175	100%	6,175	1.00	N/A	6,175
		Kitchen Aerator (1.5 GPM) IE	822	100%	822	1.00	N/A	822
		Bathroom Aerator (1.0 GPM) IE	992	100%	992	1.00	N/A	992
		Shower Timer IE	3,488	100%	3,488	1.00	N/A	3,488

Program Category	Program Path Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	Verified NTG†	NPSO‡	Verified Net Savings (Therms)
	Temperature Setback Card IE	122	100%	122	1.00	N/A	122
	Self-Adhesive Door Sweep IE	2,659	100%	2,659	1.00	N/A	2,659
	Window Insultation Kit (5-pack) IE	4,992	100%	4,992	1.00	N/A	4,992
	Closed-Cell Foam Weatherstripping Roll (17') IE	3,015	100%	3,015	1.00	N/A	3,015
Total		60,596	100%	60,595			63,777

Footnotes are defined similarly as found in Table 7.

Source: Evaluation team analysis.

5 Impact Analysis Findings and Recommendations

5.1 Impact Parameter Estimates

Table 9 shows the unit therm savings and realization rate findings by measure from our review. The realization rate is the ratio of the verified savings to the ex ante savings. Following the table, we provide findings and recommendations, including discussion of all measures with realization rates above or below 100%. Appendix A provides a description of the impact analysis methodology.

Table 9. Verified Gross Savings Parameters

Measure	Unit Basis	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Illinois TRM, v13.0 Section
PGL EEO Kits Market Rate					
Low-Flow Showerhead (1.5 GPM) MR	Unit	6.46	6.46	1.00	5.4.5
Kitchen Aerator (1.5 GPM) MR	Unit	0.86	0.86	1.00	5.4.4
Bathroom Aerator (1.0 GPM) MR	Unit	0.52	0.52	1.00	5.4.4
Shower Timer MR	Unit	4.04	4.04	1.00	5.4.9
Temperature Setback Card MR	Unit	0.14	0.14	1.00	5.4.6
Self-Adhesive Door Sweep MR	Unit	3.26	3.26	1.00	5.6.1
Window Insultation Kit (5-pack) MR	Unit	6.13	6.13	1.00	5.6.1
Closed-Cell Foam Weatherstripping Roll (17') MR	Unit	3.70	3.70	1.00	5.6.1
PGL EEO Kits Market Rate B					
Closed-Foam Weatherstripping Roll (17') MRB	Unit	3.70	3.70	1.00	5.4.5
Rope Caulk (30') MRB	Unit	5.58	5.58	1.00	5.4.4
Self-Adhesive Door Sweep MRB	Unit	3.26	3.26	1.00	5.4.4
Low-Flow Showerhead (1.5 GPM) MRB	Unit	6.46	6.46	1.00	5.4.9
V-Seal Weatherstripping Roll (17') MRB	Unit	3.70	3.70	1.00	5.4.6

Measure	Unit Basis	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Illinois TRM, v13.0 Section
Outlet Gasket MRB	Unit	0.17	0.17	1.00	5.6.1
Switch Gasket MRB	Unit	0.17	0.17	1.00	5.6.1
Bathroom Aerator (1 GPM) MRB	Unit	0.52	0.52	1.00	5.6.1
Kitchen Aerator (1.5 GPM) MRB	Unit	0.86	0.86	1.00	5.6.1
Temperature Setback Card MRB	Unit	0.24	0.24	1.00	5.6.1
Shower Timer MRB	Unit	4.04	4.04	1.00	5.6.1
Window Insulation Kit (Pack of 5) MRB	Unit	6.13	6.13	1.00	5.6.1
PGL EEO Kits Income Eligible					
Low-Flow Showerhead (1.5 GPM) IE	Unit	6.88	6.88	1.00	5.4.5
Kitchen Aerator (1.5 GPM) IE	Unit	0.92	0.92	1.00	5.4.4
Bathroom Aerator (1.0 GPM) IE	Unit	0.55	0.55	1.00	5.4.4
Shower Timer IE	Unit	3.70	3.70	1.00	5.4.9
Temperature Setback Card IE	Unit	0.14	0.14	1.00	5.4.6
Self-Adhesive Door Sweep IE	Unit	2.96	2.96	1.00	5.6.1
Window Insulation Kit (5-pack) IE	Unit	5.57	5.57	1.00	5.6.1
Closed-Cell Foam Weatherstripping Roll (17') IE	Unit	3.36	3.36	1.00	5.6.1
PGL EEO Kits DAC					
Low-Flow Showerhead (1.5 GPM) MR DAC	Unit	6.46	6.46	1.00	5.4.5
Kitchen Aerator (1.5 GPM) MR DAC	Unit	0.86	0.86	1.00	5.4.4
Bathroom Aerator (1.0 GPM) MR DAC	Unit	0.52	0.52	1.00	5.4.4
Shower Timer MR DAC	Unit	4.04	4.04	1.00	5.4.9
Temperature Setback Card MR DAC	Unit	0.14	0.14	1.00	5.4.6
Self-Adhesive Door Sweep MR DAC	Unit	3.26	3.26	1.00	5.6.1
Window Insulation Kit (5-pack) MR DAC	Unit	6.13	6.13	1.00	5.6.1
Closed-Cell Foam Weatherstripping Roll (17') MR DAC	Unit	3.70	3.70	1.00	5.6.1
NSG EEO Kits Market Rate					
Low-Flow Showerhead (1.5 GPM) MR	Unit	6.46	6.46	1.00	5.4.5
Kitchen Aerator (1.5 GPM) MR	Unit	0.86	0.86	1.00	5.4.4
Bathroom Aerator (1.0 GPM) MR	Unit	0.52	0.52	1.00	5.4.4
Shower Timer MR	Unit	3.65	3.65	1.00	5.4.9
Temperature Setback Card MR	Unit	0.14	0.14	1.00	5.4.6
Self-Adhesive Door Sweep MR	Unit	3.26	3.26	1.00	5.6.1
Window Insulation Kit (5-pack) MR	Unit	6.13	6.13	1.00	5.6.1
Closed-Cell Foam Weatherstripping Roll (17') MR	Unit	3.70	3.70	1.00	5.6.1
NSG EEO Kits Income Eligible					
Low-Flow Showerhead (1.5 GPM) IE	Unit	6.88	6.88	1.00	5.4.5
Kitchen Aerator (1.5 GPM) IE	Unit	0.92	0.92	1.00	5.4.4
Bathroom Aerator (1.0 GPM) IE	Unit	0.55	0.55	1.00	5.4.4
Shower Timer IE	Unit	3.89	3.89	1.00	5.4.9
Temperature Setback Card IE	Unit	0.14	0.14	1.00	5.4.6
Self-Adhesive Door Sweep IE	Unit	2.96	2.96	1.00	5.6.1

Measure	Unit Basis	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Illinois TRM, v13.0 Section
Window Insulation Kit (5-pack) IE	Unit	5.57	5.57	1.00	5.6.1
Closed-Cell Foam Weatherstripping Roll (17') IE	Unit	3.36	3.36	1.00	5.6.1
NSG EEO Kits DAC					
Low-Flow Showerhead (1.5 GPM) MR DAC	Unit	6.46	6.46	1.00	5.4.5
Kitchen Aerator (1.5 GPM) MR DAC	Unit	0.86	0.86	1.00	5.4.4
Bathroom Aerator (1.0 GPM) MR DAC	Unit	0.52	0.52	1.00	5.4.4
Shower Timer MR DAC	Unit	3.65	3.65	1.00	5.4.9
Temperature Setback Card MR DAC	Unit	0.14	0.14	1.00	5.4.6
Self-Adhesive Door Sweep MR DAC	Unit	3.26	3.26	1.00	5.6.1
Window Insulation Kit (5-pack) MR DAC	Unit	6.13	6.13	1.00	5.6.1
Closed-Cell Foam Weatherstripping Roll (17') MR DAC	Unit	3.70	3.70	1.00	5.6.1

† State of Illinois Technical Reference Manual version 13.0 from <http://www.ilsag.info/technical-reference-manual.html>.
Source: Program tracking data and evaluation team analysis.

5.2 Findings and Recommendations

Ex ante savings were calculated using IL-TRM v13.0 algorithms and assumptions, with a 100% realization rate observed. The evaluation team, however, noticed that savings were reported inconsistently in different fields of the tracking data. The following findings outline these discrepancies.

Finding 1. For both PGL and NSG Income Eligible kits, savings reported in the *gross therms* field appear to represent total gross therm savings (i.e., per kit savings multiplied by the number of kits distributed). However, the *total gross therms* field reports double the savings shown in the *gross therms* field and the utility scorecard. Because the savings reported in the *gross therms* field align with the savings claimed in the utility scorecard, the evaluation team used the *gross therms* field as the basis for ex ante savings.

Finding 2. For both PGL and NSG Market Rate kits, the *total net therms* field appears to represent total ex ante gross therm savings. Therefore, the evaluation team used the ex-ante *total net therms* field in place of the total gross therm savings while calculating verified gross savings. PGL Market Rate Kit B was an exception where the total gross therms are reported correctly.

Recommendation 1. Ensure that the total gross therm savings in the program tracking data are calculated and reported as the product of per kit gross therms and number of kits distributed.

Appendix A. Impact Analysis Methodology

The evaluation team verified per-unit savings for each program measure using the impact algorithm sources found in the Illinois Statewide Technical Reference Manual v13.0 (IL-TRM). Verified gross savings were determined for each program measure by:

- Reviewing the savings algorithm inputs in the measure workbook for agreement with the IL-TRM v13.0 and IL-TRM Errata, where applicable.
- Validating the savings algorithm was applied correctly.
- Cross-checking per-unit savings values in the program tracking data with the verified values in the measure workbook.
- Multiplying the verified per-unit savings value by the quantity reported in the tracking data. The team calculated verified net savings by multiplying the verified gross savings estimates by an NTG ratio and NPSO. Through the ILSAG consensus process, the assigned NTG ratio for EEO Kits is 1.00. The assigned NPSO for market rate kits is 1.083.

Table 10 presents the measure composition of each kit, including the quantity of each measure included per kit.

Table 10. Kit Contents

Program Path	Gross Savings Input Parameters	Quantity Per Kit
Market Rate, Income Eligible	Low-Flow Showerhead (1.5 GPM)	1
	Kitchen Aerator (1.5 GPM)	1
	Bathroom Aerator (1.0 GPM)	2
	Shower Timer	1
	Temperature Setback Card	1
	Self-Adhesive Door Sweep	1
	Window Insulation Kit (5-pack)	1
	Closed-Cell Foam Weatherstripping Roll (17')	1
Market Rate B	Low-Flow Showerhead (1.5 GPM)	1
	Kitchen Aerator (1.5 GPM)	1
	Bathroom Aerator (1.0 GPM)	1
	Shower Timer	1
	Temperature Setback Card	1
	Switch Gasket	4
	Outlet Gasket	4
	V-Seal Weatherstripping Roll (17')	1
	Closed-Cell Foam Weatherstripping Roll (17')	2
	Window Insulation Kit (5-pack)	1
	Rope Caulk (30')	2
	Self-Adhesive Door Sweep	1

Source: Program tracking data and evaluation team analysis.

Appendix B. Program Specific Inputs for the Illinois TRC

Table 11 and Table 12 below show the Total Resource Cost (TRC) cost-effectiveness analysis inputs available at the time of producing this impact evaluation report. Additional required cost data (e.g., measure costs, program level incentive and non-incentive costs) are not included in these tables and will be provided to the evaluation team later. Guidehouse will include annual and lifetime water savings and greenhouse gas reductions in the end of year summary report.

Table 11. Verified Cost Effectiveness Inputs - PGL

Program Category	Program Path	Savings Category	DAC Project	Units	Quantity	Effective Useful Life	Replacement Flag†	Verified Gross Annual Water Savings (Gallons)	Ex Ante Gross Savings (Therms)	Verified Gross Savings (Therms)	Verified Net Savings (Therms)
Non-DAC	Market Rate	Low-Flow Showerhead (1.5 GPM) MR	FALSE	Unit	2,784	10.0	NO	3,476,704	17,982	17,982	19,474
		Kitchen Aerator (1.5 GPM) MR	FALSE	Unit	2,784	10.0	NO	553,278	2,391	2,391	2,590
		Bathroom Aerator (1.0 GPM) MR	FALSE	Unit	5,568	10.0	NO	796,146	2,890	2,890	3,130
		Shower Timer MR	FALSE	Unit	2,784	2.0	NO	1,976,142	11,247	11,247	12,181
		Temperature Setback Card MR	FALSE	Unit	2,784	2.0	NO	0	379	379	410
		Self-Adhesive Door Sweep MR	FALSE	Unit	2,784	20.0	NO	0	9,087	9,087	9,841
		Window Insulation Kit (5-pack) MR	FALSE	Unit	2,784	1.0	NO	0	17,066	17,066	18,482
		Closed-Cell Foam Weatherstripping Roll (17') MR	FALSE	Unit	2,784	20.0	NO	0	10,304	10,304	11,159

Program Category	Program Path	Savings Category	DAC Project	Units	Quantity	Effective Useful Life	Replacement Flag†	Verified Gross Annual Water Savings (Gallons)	Ex Ante Gross Savings (Therms)	Verified Gross Savings (Therms)	Verified Net Savings (Therms)
Market Rate B		Closed-Foam Weatherstripping Roll (17') MRB	FALSE	Unit	62	10.0	NO	0	229	229	249
		Rope Caulk (30') MRB	FALSE	Unit	62	10.0	NO	0	346	346	375
		Self-Adhesive Door Sweep MRB	FALSE	Unit	31	10.0	NO	0	101	101	110
		Low-Flow Showerhead (1.5 GPM) MRB	FALSE	Unit	31	2.0	NO	0	200	200	217
		V-Seal Weatherstripping Roll (17') MRB	FALSE	Unit	31	2.0	NO	0	115	115	124
		Outlet Gasket MRB	FALSE	Unit	124	20.0	NO	0	21	21	23
		Switch Gasket MRB	FALSE	Unit	124	20.0	NO	0	21	21	23
		Bathroom Aerator (1 GPM) MRB	FALSE	Unit	31	20.0	NO	0	16	16	17
		Kitchen Aerator (1.5 GPM) MRB	FALSE	Unit	31	20.0	NO	0	27	27	29
		Temperature Setback Card MRB	FALSE	Unit	31	1.0	NO	0	7	7	8
		Shower Timer MRB	FALSE	Unit	31	20.0	NO	0	125	125	136
		Window Insulation Kit (Pack of 5) MRB	FALSE	Unit	31	20.0	NO	0	190	190	206
DAC	Market Rate	Low-Flow Showerhead (1.5 GPM) MR DAC	TRUE	Unit	1,012	10.0	NO	1,263,802	6,537	6,537	7,079
		Kitchen Aerator (1.5 GPM) MR DAC	TRUE	Unit	1,012	10.0	NO	201,120	869	869	941
		Bathroom Aerator (1.0 GPM) MR DAC	TRUE	Unit	2,024	10.0	NO	289,404	1,050	1,050	1,138
		Shower Timer MR DAC	TRUE	Unit	1,012	2.0	NO	718,339	4,088	4,088	4,428

Program Category	Program Path	Savings Category	DAC Project	Units	Quantity	Effective Useful Life	Replacement Flag†	Early	Verified Gross Annual Water Savings (Gallons)	Ex Ante Gross Savings (Therms)	Verified Gross Savings (Therms)	Verified Net Savings (Therms)
		Temperature Setback Card MR DAC	TRUE	Unit	1,012	2.0	NO		0	138	138	149
		Self-Adhesive Door Sweep MR DAC	TRUE	Unit	1,012	20.0	NO		0	3,303	3,303	3,577
		Window Insultation Kit (5-pack) MR DAC	TRUE	Unit	1,012	1.0	NO		0	6,204	6,204	6,718
		Closed-Cell Foam Weatherstripping Roll (17") MR DAC	TRUE	Unit	1,012	20.0	NO		0	3,745	3,745	4,056
Income Eligible		Low-Flow Showerhead (1.5 GPM) IE	N/A	Unit	7,253	10.0	NO		9,654,077	49,930	49,930	49,930
		Kitchen Aerator (1.5 GPM) IE	N/A	Unit	7,253	10.0	NO		1,536,338	6,644	6,644	6,644
		Bathroom Aerator (1.0 GPM) IE	N/A	Unit	14,506	10.0	NO		2,210,729	8,022	8,022	8,022
		Shower Timer IE	N/A	Unit	7,253	2.0	NO		5,487,337	26,836	26,836	26,836
		Temperature Setback Card IE	N/A	Unit	7,253	2.0	NO		0	986	986	986
		Self-Adhesive Door Sweep IE	N/A	Unit	7,253	20.0	NO		0	21,498	21,498	21,498
		Window Insultation Kit (5-pack) IE	N/A	Unit	7,253	1.0	NO		0	40,363	40,363	40,363
		Closed-Cell Foam Weatherstripping Roll (17") IE	N/A	Unit	7,253	20.0	NO		0	24,377	24,377	24,377
Total or Weighted Average					9.3	28,163,414 277,335 277,335 285,525						

Note: Savings and realization rates presented in this table are rounded and may not sum precisely to the totals.

Source: Evaluation team analysis.

Table 12. Verified Cost Effectiveness Inputs – NSG

Program Category	Program Path	Savings Category	DAC Project	Units	Quantity	Effective Useful Life	Early Replacement Flag†	Verified Gross Annual Water Savings (Gallons)	Ex Ante Gross Savings (Therms)	Verified Gross Savings (Therms)	Verified Net Savings (Therms)
Non-DAC	Market Rate	Low-Flow Showerhead (1.5 GPM) MR	FALSE	Unit	1,456	10.0	NO	1,818,276	9,404	9,404	10,185
		Kitchen Aerator (1.5 GPM) MR	FALSE	Unit	1,456	10.0	NO	289,358	1,251	1,251	1,355
		Bathroom Aerator (1.0 GPM) MR	FALSE	Unit	2,912	10.0	NO	416,375	1,511	1,511	1,637
		Shower Timer MR	FALSE	Unit	1,456	2.0	NO	1,033,499	5,311	5,311	5,752
		Temperature Setback Card MR	FALSE	Unit	1,456	2.0	NO	0	198	198	214
		Self-Adhesive Door Sweep MR	FALSE	Unit	1,456	20.0	NO	0	4,752	4,752	5,147
		Window Insultation Kit (5-pack) MR	FALSE	Unit	1,456	1.0	NO	0	8,925	8,925	9,666
		Closed-Cell Foam Weatherstripping Roll (17') MR	FALSE	Unit	1,456	20.0	NO	0	5,389	5,389	5,836
DAC	Market Rate	Low-Flow Showerhead (1.5 GPM) MR DAC	TRUE	Unit	63	10.0	NO	78,675	407	407	441
		Kitchen Aerator (1.5 GPM) MR DAC	TRUE	Unit	63	10.0	NO	12,520	54	54	59
		Bathroom Aerator (1.0 GPM) MR DAC	TRUE	Unit	126	10.0	NO	18,016	65	65	71
		Shower Timer MR DAC	TRUE	Unit	63	2.0	NO	44,719	230	230	249
		Temperature Setback Card MR DAC	TRUE	Unit	63	2.0	NO	0	9	9	9
		Self-Adhesive Door Sweep MR DAC	TRUE	Unit	63	20.0	NO	0	206	206	223
		Window Insultation Kit (5-pack) MR DAC	TRUE	Unit	63	1.0	NO	0	386	386	418
		Closed-Cell Foam Weatherstripping Roll (17') MR DAC	TRUE	Unit	63	20.0	NO	0	233	233	253
	Income Eligible	Low-Flow Showerhead (1.5 GPM) IE	N/A	Unit	897	10.0	NO	1,193,948	6,175	6,175	6,175
		Kitchen Aerator (1.5 GPM) IE	N/A	Unit	897	10.0	NO	190,003	822	822	822
		Bathroom Aerator (1.0 GPM) IE	N/A	Unit	1,794	10.0	NO	273,407	992	992	992
		Shower Timer IE	N/A	Unit	897	2.0	NO	678,635	3,488	3,488	3,488
		Temperature Setback Card IE	N/A	Unit	897	2.0	NO	0	122	122	122
		Self-Adhesive Door Sweep IE	N/A	Unit	897	20.0	NO	0	2,659	2,659	2,659
		Window Insultation Kit (5-pack) IE	N/A	Unit	897	1.0	NO	0	4,992	4,992	4,992

Program Category	Program Path	Savings Category	DAC Project	Units	Quantity	Effective Useful Life	Early Replacement Flag†	Verified Gross Annual Water Savings (Gallons)	Ex Ante Gross Savings (Therms)	Verified Gross Savings (Therms)	Verified Net Savings (Therms)
		Closed-Cell Foam Weatherstripping Roll (17') IE	N/A	Unit	897	20.0	NO	0	3,015	3,015	3,015
Total or Weighted Average						9.3		6,047,434	60,596	60,595	63,777

Note: Savings and realization rates presented in this table are rounded and may not sum precisely to the totals.

Source: Evaluation team analysis.