

Community Joint Kits 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 Community Joint Kits programs. 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 presents the Total Resource Cost (TRC) cost-effectiveness analysis inputs. Program year 2025 covers January 1 to December 31, 2025.

2 Program Description

The Community Joint Kits program involves mail distribution of a free self-installation energy saving kit to Low-Income Home Energy Assistance Program (LIHEAP) grant recipients. The kit includes twelve measures: showerhead, bathroom and kitchen faucet aerators, weatherstripping rolls, switch and outlet gaskets, window film kit, door sweep, rope caulk, temperature setback card, and shower timer. The program is validated income eligible as kits are distributed to verified LIHEAP grant recipients. The program is implemented jointly with ComEd.

The PGL program had 7,061 participants in 2025 and completed 7,061 projects as shown in Table 1.

Table 1. 2025 Volumetric Summary for PGL

Participation	Direct Install
Number of Kits Distributed	7,061
Measure Types Installed †	12

† Measure Types Installed are the distinct count of measures.

Source: Peoples Gas tracking data and evaluation team analysis.

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

Table 2. 2025 Installed Measure Quantities for PGL

Program Path	Measure	Quantity Unit	Quantity
Direct Install	Low-Flow Showerhead (1.5 GPM)	Unit	7,061
	Kitchen Aerator (1.5 GPM)	Unit	7,061
	Bathroom Aerator (1.0 GPM)	Unit	7,061
	Shower Timer	Unit	7,061
	Temperature Setback Card	Unit	7,061
	Switch Gasket	Unit	28,244
	Outlet Gasket	Unit	28,244
	V-Seal Weatherstripping Roll (17')	Unit	7,061
	Closed-Cell Foam Weatherstripping Roll (17')	Unit	14,122
	Window Insulation Kit (5-pack)	Unit	7,061
	Rope Caulk (30')	Unit	14,122

Program Path	Measure	Quantity Unit	Quantity
	Self-Adhesive Door Sweep	Unit	7,061

Source: Peoples Gas tracking data and evaluation team analysis

The NSG program had 1,133 participants in 2025 and completed 1,133 projects as shown in Table 3.

Table 3. 2025 Volumetric Summary for NSG

Participation	Direct Install
Number of Kits Distributed	1,133
Measure Types Installed †	12

† Measure Types Installed are the distinct count of measures.

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

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

Table 4. 2025 Installed Measure Quantities for NSG

Program Path	Measure	Quantity Unit	Quantity
Direct Install	Low-Flow Showerhead (1.5 GPM)	Unit	1,133
	Kitchen Aerator (1.5 GPM)	Unit	1,133
	Bathroom Aerator (1.0 GPM)	Unit	1,133
	Shower Timer	Unit	1,133
	Temperature Setback Card	Unit	1,133
	Switch Gasket	Unit	4,532
	Outlet Gasket	Unit	4,532
	V-Seal Weatherstripping Roll (17')	Unit	1,133
	Closed-Cell Foam Weatherstripping Roll (17')	Unit	2,266
	Window Insulation Kit (5-pack)	Unit	1,133
	Rope Caulk (30')	Unit	2,266
	Self-Adhesive Door Sweep	Unit	1,133

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

3 Program Savings Detail

Table 5 summarizes the energy savings the PGL Community Joint Kits Program achieved by path in 2025.

Table 5. 2025 Annual Energy Savings Summary for PGL

Program Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
Direct Install	407,886	100%	407,886	1.00	407,886
Total	407,886	100%	407,886	1.00	407,886

* 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/>.

Source: Evaluation team analysis.

Table 6 summarizes the energy savings the NSG Community Joint Kits Program achieved by path in 2025.

Table 6. 2025 Annual Energy Savings Summary for NSG

Program Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
Direct Install	65,983	100%	65,983	1.00	65,983
Total	65,983	100%	65,983	1.00	65,983

Footnotes are defined similarly as found in Table 5.

Source: Evaluation team analysis.

4 Program Savings by Measure

The PGL program includes 12 measures per kit as shown in Table 7. The Rope Caulk (30') and Closed-Cell Foam Weatherstripping Roll (17') contributed the most savings.

Table 7. 2025 Annual Energy Savings by Measure for PGL

Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
Low-Flow Showerhead (1.5 GPM)	43,687	100%	43,687	1.00	43,687
Kitchen Aerator (1.5 GPM)	6,334	100%	6,334	1.00	6,334
Bathroom Aerator (1.0 GPM)	3,827	100%	3,827	1.00	3,827
Shower Timer	29,508	100%	29,508	1.00	29,508
Temperature Setback Card	505	100%	505	1.00	505
Switch Gasket	4,265	100%	4,265	1.00	4,265
Outlet Gasket	4,265	100%	4,265	1.00	4,265
V-Seal Weatherstripping Roll (17')	36,795	100%	36,795	1.00	36,795
Closed-Cell Foam Weatherstripping Roll (17')	73,590	100%	73,590	1.00	73,590
Window Insulation Kit (5-pack)	55,112	100%	55,112	1.00	55,112
Rope Caulk (30')	118,061	100%	118,061	1.00	118,061
Self-Adhesive Door Sweep	31,937	100%	31,937	1.00	31,937
Total	407,886	100%	407,886	1.00	407,886

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

* 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/>. Source: Evaluation team analysis.

The NSG program includes 12 measures per kit as shown in Table 8. The Rope Caulk (30') and Closed-Cell Foam Weatherstripping Roll (17') contributed the most savings.

Table 8. 2025 Annual Energy Savings by Measure for NSG

Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
Low-Flow Showerhead (1.5 GPM)	7,019	100%	7,019	1.00	7,019
Kitchen Aerator (1.5 GPM)	1,017	100%	1,017	1.00	1,017
Bathroom Aerator (1.0 GPM)	614	100%	614	1.00	614
Shower Timer	4,741	100%	4,741	1.00	4,741
Temperature Setback Card	81	100%	81	1.00	81
Switch Gasket	689	100%	689	1.00	689
Outlet Gasket	689	100%	689	1.00	689
V-Seal Weatherstripping Roll (17')	5,963	100%	5,963	1.00	5,963
Closed-Cell Foam Weatherstripping Roll (17')	11,926	100%	11,926	1.00	11,926
Window Insulation Kit (5-pack)	8,934	100%	8,934	1.00	8,934
Rope Caulk (30')	19,134	100%	19,134	1.00	19,134
Self-Adhesive Door Sweep	5,176	100%	5,176	1.00	5,176
Total	65,983	100%	65,983	1.00	65,983

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 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%.

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 Community Joint Kits					
Low-Flow Showerhead (1.5 GPM)	Unit	6.19	6.19	100%	5.4.5
Kitchen Aerator (1.5 GPM)	Unit	0.90	0.90	100%	5.4.4
Bathroom Aerator (1.0 GPM)	Unit	0.54	0.54	100%	5.4.4
Shower Timer	Unit	4.18	4.18	100%	5.4.9
Temperature Setback Card	Unit	0.07	0.07	100%	5.4.6
Switch Gasket	Unit	0.15	0.15	100%	5.6.1
Outlet Gasket	Unit	0.15	0.15	100%	5.6.1
V-Seal Weatherstripping Roll (17')	Unit	5.21	5.21	100%	5.6.1
Closed-Cell Foam Weatherstripping Roll (17')	Unit	5.21	5.21	100%	5.6.1
Window Insulation Kit (5-pack)	Unit	7.81	7.81	100%	5.6.1

Measure	Unit Basis	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Illinois TRM v13.0 Section
Rope Caulk (30')	Unit	8.36	8.36	100%	5.6.1
Self-Adhesive Door Sweep	Unit	4.52	4.52	100%	5.6.1
NSG Community Joint Kits					
Low-Flow Showerhead (1.5 GPM)	Unit	6.20	6.20	100%	5.4.5
Kitchen Aerator (1.5 GPM)	Unit	0.90	0.90	100%	5.4.4
Bathroom Aerator (1.0 GPM)	Unit	0.54	0.54	100%	5.4.4
Shower Timer	Unit	4.18	4.18	100%	5.4.9
Temperature Setback Card	Unit	0.07	0.07	100%	5.4.6
Switch Gasket	Unit	0.15	0.15	100%	5.6.1
Outlet Gasket	Unit	0.15	0.15	100%	5.6.1
V-Seal Weatherstripping Roll (17')	Unit	5.26	5.26	100%	5.6.1
Closed-Cell Foam Weatherstripping Roll (17')	Unit	5.26	5.26	100%	5.6.1
Window Insulation Kit (5-pack)	Unit	7.89	7.89	100%	5.6.1
Rope Caulk (30')	Unit	8.44	8.44	100%	5.6.1
Self-Adhesive Door Sweep	Unit	4.57	4.57	100%	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

The evaluation team verified the savings for PGL and NSG using the implementation contractor calculator and tracking data and found the ex ante savings to be consistent with Illinois TRM v13.0, and so we have no recommendations.

Appendix A. Impact Analysis Methodology

The evaluation team verified savings using the impact algorithm sources found in the Illinois Statewide Technical Reference Manual v13.0 (IL-TRM v13.0). 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.
- The team calculated verified net savings by multiplying the verified gross savings estimates by an NTG ratio. Through the ILSAG consensus process, an NTG ratio of 1.0 was established for Income Eligible programs in Illinois.

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

Table 10. Kit Contents

Gross Savings Input Parameters	Quantity Per Kit
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')	1
Window Insulation Kit (5-pack)	1
Rope Caulk (30')	1
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 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 Path	Savings Category	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)
Direct Install	Low-Flow Showerhead (1.5 GPM)	Unit	7,061	10.00	NO	7,859,387	43,687	43,687	43,687
	Kitchen Aerator (1.5 GPM)	Unit	7,061	10.00	NO	1,362,392	6,334	6,334	6,334
	Bathroom Aerator (1.0 GPM)	Unit	7,061	10.00	NO	980,215	3,827	3,827	3,827
	Shower Timer	Unit	7,061	2.00	NO	5,342,077	29,508	29,508	29,508
	Temperature Setback Card	Unit	7,061	2.00	NO		505	505	505
	Switch Gasket	Unit	28,244	20.00	NO		4,265	4,265	4,265
	Outlet Gasket	Unit	28,244	20.00	NO		4,265	4,265	4,265
	V-Seal Weatherstripping Roll (17')	Unit	7,061	20.00	NO		36,795	36,795	36,795
	Closed-Cell Foam Weatherstripping Roll (17')	Unit	14,122	20.00	NO		73,590	73,590	73,590
	Window Insulation Kit (5-pack)	Unit	7,061	1.00	NO		55,112	55,112	55,112
	Rope Caulk (30')	Unit	14,122	20.00	NO		118,061	118,061	118,061
	Self-Adhesive Door Sweep	Unit	7,061	20.00	NO		31,937	31,937	31,937
Total or Weighted Average				14.79		15,544,071	407,886	407,886	407,886

Source: Evaluation team analysis.

Table 12. Verified Cost Effectiveness Inputs – NSG

Program Path	Savings Category	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)
Direct Install	Low-Flow Showerhead (1.5 GPM)	Unit	1,133	10.00	NO	1,261,108	7,019	7,019	7,019
	Kitchen Aerator (1.5 GPM)	Unit	1,133	10.00	NO	218,608	1,017	1,017	1,017
	Bathroom Aerator (1.0 GPM)	Unit	1,133	10.00	NO	157,284	614	614	614
	Shower Timer	Unit	1,133	2.00	NO	857,184	4,741	4,741	4,741
	Temperature Setback Card	Unit	1,133	2.00	NO		81.17	81.17	81.17
	Switch Gasket	Unit	4,532	20.00	NO		689	689	689
	Outlet Gasket	Unit	4,532	20.00	NO		689	689	689
	V-Seal Weatherstripping Roll (17')	Unit	1,133	20.00	NO		5,963	5,963	5,963
	Closed-Cell Foam Weatherstripping Roll (17')	Unit	2,266	20.00	NO		11,926	11,926	11,926
	Window Insulation Kit (5-pack)	Unit	1,133	1.00	NO		8,934	8,934	8,934
	Rope Caulk (30')	Unit	2,266	20.00	NO		19,134	19,134	19,134
	Self-Adhesive Door Sweep	Unit	1,133	20.00	NO		5,176	5,176	5,176
Total or Weighted Average				14.80		2,494,184	65,983	65,983	65,983

Source: Evaluation team analysis.