

# Energy Savings Kits Impact Evaluation Report

**Energy Efficiency Plan: Program Year 2024  
(1/1/2024-12/31/2024)**

**Prepared for:**

**Nicor Gas Company**

**FINAL**

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**Prepared by:**

Vijay Susvirkar  
EcoMetric

Swapnil Lotake  
EcoMetric

Fahman Khan  
EcoMetric

[guidehouse.com](https://www.guidehouse.com)

**Submitted to:**

Nicor Gas Company  
1844 Ferry Road  
Naperville, IL 60563

**Submitted by:**

Guidehouse  
150 N. Riverside Plaza, Suite 2100  
Chicago, IL 60606

**Contact:**

Ted Walker  
Partner  
404.602.3463  
**ted.walker@guidehouse.com**

Jeff Erickson  
Director  
608.616.4962  
**jeff.erickson@guidehouse.com**

Laura Agapay-Read  
Associate Director  
312.583.4178  
**laura.agapay.read@guidehouse.com**

Charles Ampong  
Associate Director  
608.446.3172  
**charles.ampong@guidehouse.com**

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# Introduction

This report presents the results of the impact evaluation of the Nicor Gas 2024 Energy Saving Kits (ESK) Income Eligible and Market Rate programs. It presents a summary of the energy impacts for the total program and broken out by relevant measure and program kit structure details. The appendix presents the impact analysis methodology and cost-effectiveness input summary. Program year 2024 covers kit deliveries between January 1 through December 31, 2024.

## Energy Savings Kits Income Eligible Program

### *Program Description*

The Nicor Gas ESK Income Eligible program provides hot water savings kits (marketed as water savings kits, Kit 2) and weatherization efficiency measures (market as weatherization kits, Kit 4) that reduce customer natural gas consumption. Kit 5 includes both water and weatherization measures. Savings are tracked by whether kits were delivered to single or multi-family (MF) homes. The offering targets customers through direct mail, outreach events, targeted emails, Nicor Gas Energy Efficiency Program website promotions, and financial heating assistance intake centers. The kits are free and available to Income Eligible Nicor Gas single-family (SF) and multi-family (MF) residential customers upon request. Kit 2 contains a combination of water-saving measures. Kit 4 includes a combination of weatherization gas space heating reduction measures, and Kit 5 includes a combination of both water-saving and weatherization gas space heating reduction measures. The suite of measures present in each of these kits is shown in Table 2.

The program delivered 21,256 kits in 2024, as shown in Table 1.

**Table 1. 2024 Volumetric Findings Detail**

Kit Type	Number of Kits Distributed
Water-Savings Kits (Kit 2)	4,264
Weatherization Kits (Kit 4)	4,921
Kit 5	12,071

*Source: Nicor Gas tracking data and evaluation team analysis.*

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

**Table 2. 2024 Kit Measure Quantities – Income Eligible**

Program Path	Measure	Delivery Path	Quantity Unit	Quantity Per Kit	Distributed Quantity
<b>Water-Savings Kits</b>					
Kit 2	Bathroom Aerator	Requested	Each	2	5,616
	Showerhead	Requested	Each	2	5,616

Program Path	Measure	Delivery Path	Quantity Unit	Quantity Per Kit	Distributed Quantity
	Kitchen Aerator	Requested	Each	1	2,808
	Shower Timer	Requested	Each	1	2,808
	Bathroom Aerator	Distributed	Each	2	796
	Showerhead	Distributed	Each	2	796
	Kitchen Aerator	Distributed	Each	1	398
	Shower Timer	Distributed	Each	1	398
Kit 2 MF	Bathroom Aerator	Requested	Each	2	1,290
	Showerhead	Requested	Each	2	1,290
	Kitchen Aerator	Requested	Each	1	645
	Shower Timer	Requested	Each	1	645
	Bathroom Aerator	Distributed	Each	2	826
	Showerhead	Distributed	Each	2	826
	Kitchen Aerator	Distributed	Each	1	413
	Shower Timer	Distributed	Each	1	413
<b>Weatherization Kits</b>					
Kit 4	Rope Caulk	Requested	Feet	30	90,360
	Foam Tape Weatherstrip	Requested	Feet	17	51,204
	V-Seal Weatherstrip	Requested	Feet	17	51,204
	Outlet & Switch Cover	Requested	Each	12	36,144
	Door Sweep	Requested	Each	1	3,012
	Rope Caulk	Distributed	Feet	30	38,010
	Foam Tape Weatherstrip	Distributed	Feet	17	21,539
	V-Seal Weatherstrip	Distributed	Feet	17	21,539
	Outlet & Switch Cover	Distributed	Each	12	15,204
	Window Insulation Kit	Distributed	Each	5	6,335
	Door Sweep	Distributed	Each	2	2,534
Kit 4 MF	Rope Caulk	Requested	Feet	30	19,260
	Foam Tape Weatherstrip	Requested	Feet	17	10,914
	V-Seal Weatherstrip	Requested	Feet	17	10,914
	Outlet & Switch Cover	Requested	Each	12	7,704
	Door Sweep	Requested	Each	1	642
Kit 5	Rope Caulk	Distributed	Feet	30	362,130
	Foam Tape	Distributed	Feet	17	205,207
	V-Seal	Distributed	Feet	17	205,207
	Window Insulation Kit	Distributed	Each	5	60,355
	Outlet Gasket	Distributed	Each	4	48,284
	Switch Gasket	Distributed	Each	4	48,284
	Bathroom Aerator	Distributed	Each	2	24,142
	Showerhead	Distributed	Each	1	12,071

Program Path	Measure	Delivery Path	Quantity Unit	Quantity Per Kit	Distributed Quantity
	Kitchen Aerator	Distributed	Each	1	12,071
	Shower Timer	Distributed	Each	1	12,071
	Door Sweep	Distributed	Each	1	12,071
	Temperature Setback Card	Distributed	Each	1	12,071

Source: Nicor Gas tracking data and evaluation team analysis.

## Program Savings Detail

Table 3 summarizes the energy savings of the Energy Savings Kit Income Eligible program achieved by path in 2024. Savings are also tracked by whether kits were delivered to single or multi-family (MF) homes.

**Table 3. 2024 Annual Energy Savings Summary – Income Eligible**

Program Path	Delivery Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
<b>Water-Savings Kits</b>						
Kit 2	Requested	66,616	108%	72,223	1.00	72,223
Kit 2 MF	Requested	18,458	108%	19,989	1.00	19,989
Kit 2	Distributed	5,246	100%	5,246	1.00	5,246
Kit 2 MF	Distributed	6,736	100%	6,737	1.00	6,737
<b>Water-Saving Kits Subtotal</b>		<b>97,056</b>	<b>107%</b>	<b>104,194</b>	<b>1.00</b>	<b>104,194</b>
<b>Weatherization Kits</b>						
Kit 4	Requested	65,461	126%	82,631	1.00	82,631
Kit 4 MF	Requested	14,029	126%	17,612	1.00	17,612
Kit 4	Distributed	36,875	100%	36,875	1.00	36,875
<b>Weatherization Kits Subtotal</b>		<b>116,365</b>	<b>118%</b>	<b>137,118</b>	<b>1.00</b>	<b>137,118</b>
<b>Kit 5</b>						
Kit 5	Distributed	416,558	100%	416,558	1.00	416,558
<b>Kit 5 Subtotal</b>		<b>416,558</b>	<b>100%</b>	<b>416,558</b>	<b>1.00</b>	<b>416,558</b>
<b>Total</b>		<b>629,979</b>	<b>104%</b>	<b>657,870</b>	<b>1.00</b>	<b>657,870</b>

\* 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-2024/>.

Source: Evaluation team analysis.

## Program Savings by Measure

The savings produced from water savings and weatherization measures are shown in Table 4.

**Table 4. 2024 Annual Energy Savings by Measure – Income Eligible**

Program Path	Savings Category	Delivery Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG †	Verified Net Savings (Therms)
<b>Water-Savings Kits</b>	Showerhead	Requested	46,335	115%	53,360	1.00	53,360
	Kitchen Aerator	Requested	18,174	111%	20,172	1.00	20,172
	Shower Timer	Requested	15,987	85%	13,605	1.00	13,605
	Bathroom Aerator	Requested	4,578	111%	5,074	1.00	5,074
	Showerhead	Distributed	8,120	100%	8,120	1.00	8,120
	Shower Timer	Distributed	2,519	100%	2,519	1.00	2,519
	Bathroom Aerator	Distributed	803	100%	803	1.00	803
	Kitchen Aerator	Distributed	541	100%	541	1.00	541
<b>Water-Saving Kits Subtotal</b>			<b>97,056</b>	<b>107%</b>	<b>104,194</b>	<b>1.00</b>	<b>104,194</b>
<b>Weatherization Kits</b>	Rope Caulk	Requested	26,444	103%	27,309	1.00	27,309
	Foam Tape Weatherstrip	Requested	16,507	132%	21,754	1.00	21,754
	V-Seal Weatherstrip	Requested	16,507	124%	20,546	1.00	20,546
	Door Sweep	Requested	14,315	126%	18,105	1.00	18,105
	Outlet & Switch Cover	Requested	5,719	219%	12,530	1.00	12,530
	Door Sweep	Distributed	8,907	100%	8,908	1.00	8,908
	Rope Caulk	Distributed	8,234	100%	8,233	1.00	8,233
	Window Insulation Kit	Distributed	7,687	100%	7,689	1.00	7,689
	Foam Tape Weatherstrip	Distributed	5,132	100%	5,132	1.00	5,132
	V-Seal Weatherstrip	Distributed	5,132	100%	5,132	1.00	5,132
	Outlet & Switch Cover	Distributed	1,782	100%	1,781	1.00	1,781
	<b>Weatherization Kits Subtotal</b>			<b>116,365</b>	<b>118%</b>	<b>137,118</b>	<b>1.00</b>
<b>Kit 5</b>	Rope Caulk	Distributed	78,437	100%	78,437	1.00	78,437
	Window Insulation Kit	Distributed	73,271	100%	73,271	1.00	73,271
	Showerhead	Distributed	56,444	100%	56,444	1.00	56,444
	Foam Tape Weatherstrip	Distributed	48,900	100%	48,900	1.00	48,900
	V-Seal Weatherstrip	Distributed	48,900	100%	48,900	1.00	48,900
	Door Sweep	Distributed	42,430	100%	42,430	1.00	42,430

Program Path	Savings Category	Delivery Path	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG †	Verified Net Savings (Therms)
	Shower Timer	Distributed	38,120	100%	38,120	1.00	38,120
	Bathroom Aerator	Distributed	9,874	100%	9,874	1.00	9,874
	Kitchen Aerator	Distributed	8,184	100%	8,184	1.00	8,184
	Outlet Cover	Distributed	5,649	100%	5,649	1.00	5,649
	Switch Cover	Distributed	5,649	100%	5,649	1.00	5,649
	Temperature Setback Card	Distributed	706	100%	706	1.00	706
<b>Kit 5 Subtotal</b>			<b>416,558</b>	<b>100%</b>	<b>416,558</b>	<b>1.00</b>	<b>416,558</b>
<b>Total</b>			<b>629,979</b>	<b>104%</b>	<b>657,870</b>	<b>1.00</b>	<b>657,870</b>

\* 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-2024/>.

Source: Evaluation team analysis.

Table 5 details measure level savings by whether the kit measures were delivered to single or multi-family homes.

**Table 5. 2024 Annual Energy Savings by Measure and Residence Type**

Measure	Delivery Path	Quantity Distributed	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG+	Verified Net Savings (Therms)
<b>Water-Saving Kits</b>							
Bathroom Aerator MF	Requested	1,290	1,347	110%	1,480	1.00	1,480
Bathroom Aerator SF	Requested	5,616	3,231	111%	3,594	1.00	3,594
Kitchen Aerator MF	Requested	645	3,335	110%	3,664	1.00	3,664
Kitchen Aerator SF	Requested	2,808	14,839	111%	16,509	1.00	16,509
Shower Timer MF	Requested	645	2,905	84%	2,447	1.00	2,447
Shower Timer SF	Requested	2,808	13,082	85%	11,158	1.00	11,158
Showerhead MF	Requested	1,290	10,871	114%	12,399	1.00	12,399
Showerhead SF	Requested	5,616	35,464	116%	40,962	1.00	40,962
Bathroom Aerator MF	Distributed	826	522	100%	522	1.00	522
Bathroom Aerator SF	Distributed	796	281	100%	281	1.00	281
Kitchen Aerator MF	Distributed	413	271	100%	271	1.00	271
Kitchen Aerator SF	Distributed	398	270	100%	270	1.00	270
Shower Timer MF	Distributed	413	1,253	100%	1,253	1.00	1,253
Shower Timer SF	Distributed	398	1,265	100%	1,265	1.00	1,265
Showerhead MF	Distributed	826	4,690	100%	4,690	1.00	4,690

Measure	Delivery Path	Quantity Distributed	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
Showerhead SF	Distributed	796	3,430	100%	3,430	1.00	3,430
<b>Weatherization Kits</b>							
Door Sweep MF	Requested	642	2,526	126%	3,181	1.00	3,181
Door Sweep SF	Requested	3,012	11,788	127%	14,924	1.00	14,924
Foam Tape Weatherstrip MF	Requested	10,914	2,913	131%	3,822	1.00	3,822
Foam Tape Weatherstrip SF	Requested	51,204	13,593	132%	17,932	1.00	17,932
Outlet & Switch Cover MF	Requested	7,704	1,009	218%	2,201	1.00	2,201
Outlet & Switch Cover SF	Requested	36,144	4,709	219%	10,329	1.00	10,329
Rope Caulk MF	Requested	19,260	4,667	103%	4,798	1.00	4,798
Rope Caulk SF	Requested	90,360	21,777	103%	22,510	1.00	22,510
V-Seal Weatherstrip MF	Requested	10,914	2,913	124%	3,610	1.00	3,610
V-Seal Weatherstrip SF	Requested	51,204	13,593	125%	16,936	1.00	16,936
Door Sweep SF	Distributed	2,534	8,907	100%	8,908	1.00	8,908
Foam Tape Weatherstrip SF	Distributed	21,539	5,132	100%	5,132	1.00	5,132
Outlet & Switch Cover SF	Distributed	15,204	1,782	100%	1,781	1.00	1,781
Rope Caulk SF	Distributed	38,010	8,234	100%	8,233	1.00	8,233
V-Seal Weatherstrip SF	Distributed	21,539	5,132	100%	5,132	1.00	5,132
Window Insulation Kit SF	Distributed	6,335	7,687	100%	7,689	1.00	7,689
<b>Kit 5</b>							
Rope Caulk	Distributed	362,130	78,437	100%	78,437	1.00	78,437
Window Insulation Kit	Distributed	60,355	73,271	100%	73,271	1.00	73,271
Showerhead	Distributed	12,071	56,444	100%	56,444	1.00	56,444
Foam Tape	Distributed	205,207	48,900	100%	48,900	1.00	48,900
V-Seal	Distributed	205,207	48,900	100%	48,900	1.00	48,900
Door Sweep	Distributed	12,071	42,430	100%	42,430	1.00	42,430
Shower Timer	Distributed	12,071	38,120	100%	38,120	1.00	38,120
Bathroom Aerator	Distributed	24,142	9,874	100%	9,874	1.00	9,874
Kitchen Aerator	Distributed	12,071	8,184	100%	8,184	1.00	8,184
Outlet Gasket	Distributed	48,284	5,649	100%	5,649	1.00	5,649
Switch Gasket	Distributed	48,284	5,649	100%	5,649	1.00	5,649
Temperature Setback Card	Distributed	12,071	706	100%	706	1.00	706
<b>Total</b>		<b>1,418,465</b>	<b>629,979</b>	<b>104%</b>	<b>657,870</b>	<b>1.00</b>	<b>657,870</b>

\* 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-2024/>.

Source: Evaluation team analysis.

## Impact Analysis Findings and Recommendations

The Guidehouse team determined verified gross savings for each measure by conducting a tracking system review and measure level calculations. Calculated verified gross savings applied Illinois TRM v12.0 methodology including inputs and formulas. The evaluation team's verified gross savings calculation uses non-rounded input values for per-kit unit thermal savings. In contrast, Nicor Gas savings report extracts round ex-ante per-kit gross savings to two digits after the decimal point. These rounding differences cause minor differences in total Therms for the program (typically less than 0.1%) and are not Nicor Gas calculation errors.

### Impact Parameter Estimates

Table 6 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 6. Verified Gross Savings Parameters**

Measure	Unit Basis	Delivery Path	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Data Source(s)
<b>Water-Saving Kits</b>						
Bathroom Aerator MF	Each	Requested	1.04	1.15	110%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Bathroom Aerator SF	Each	Requested	0.58	0.64	111%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Kitchen Aerator MF	Each	Requested	5.17	5.68	110%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Kitchen Aerator SF	Each	Requested	5.28	5.88	111%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Shower Timer MF	Each	Requested	4.50	3.79	84%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.9
Shower Timer SF	Each	Requested	4.66	3.97	85%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.9
Showerhead MF	Each	Requested	8.43	9.61	114%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5
Showerhead SF	Each	Requested	6.31	7.29	116%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5
Bathroom Aerator MF	Each	Distributed	0.63	0.63	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Bathroom Aerator SF	Each	Distributed	0.35	0.35	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Kitchen Aerator MF	Each	Distributed	0.66	0.66	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Kitchen Aerator SF	Each	Distributed	0.68	0.68	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Shower Timer MF	Each	Distributed	3.03	3.04	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.9
Shower Timer SF	Each	Distributed	3.18	3.18	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.9
Showerhead MF	Each	Distributed	5.68	5.68	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5

Measure	Unit Basis	Delivery Path	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Data Source(s)
Showerhead SF	Each	Distributed	4.31	4.31	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5
<b>Weatherization Kits</b>						
Door Sweep MF	Each	Requested	3.94	4.95	126%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Door Sweep SF	Each	Requested	3.91	4.95	127%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Foam Tape Weatherstrip MF	Feet	Requested	0.27	0.35	131%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Foam Tape Weatherstrip SF	Feet	Requested	0.27	0.35	132%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Outlet & Switch Cover MF	Each	Requested	0.13	0.29	218%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Outlet & Switch Cover SF	Each	Requested	0.13	0.29	219%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Rope Caulk MF	Feet	Requested	0.24	0.25	103%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Rope Caulk SF	Feet	Requested	0.24	0.25	103%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
V-Seal Weatherstrip MF	Feet	Requested	0.27	0.33	124%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
V-Seal Weatherstrip SF	Feet	Requested	0.27	0.33	125%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Rope Caulk SF	Feet	Distributed	0.22	0.22	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Foam Tape Weatherstrip SF	Feet	Distributed	0.24	0.24	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
V-Seal Weatherstrip SF	Feet	Distributed	0.24	0.24	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Outlet & Switch Cover SF	Feet	Distributed	0.12	0.12	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Door Sweep SF	Each	Distributed	3.52	3.52	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Window Insulation Kit SF	Each	Distributed	1.21	1.21	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
<b>Kit 5</b>						
Rope Caulk	Feet	Distributed	6.50	6.50	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Foam Tape	Feet	Distributed	4.05	4.05	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
V-Seal	Feet	Distributed	4.05	4.05	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Window Insulation Kit	Each	Distributed	6.07	6.07	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Outlet Gasket	Each	Distributed	0.12	0.12	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Switch Gasket	Each	Distributed	0.12	0.12	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Bathroom Aerator	Each	Distributed	0.41	0.41	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4

Measure	Unit Basis	Delivery Path	Ex Ante Gross (therms/unit)	Verified Gross (therms/unit)	Realization Rate	Data Source(s)
Showerhead	Each	Distributed	4.68	4.68	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5
Kitchen Aerator	Each	Distributed	0.68	0.68	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Shower Timer	Each	Distributed	3.16	3.16	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Door Sweep	Each	Distributed	3.52	3.52	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Temperature Setback Card	Each	Distributed	0.06	0.06	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1

\* Program Tracking Data (PTD) provided by Nicor Gas, extract dated January 30, 2025.

† State of Illinois Technical Reference Manual version 12.0 from <http://www.ilsag.info/technical-reference-manual.html>.

Source: *Evaluation team analysis.*

## Findings and Recommendations

The evaluation team identified inconsistencies in per-kit savings reported in the tracking data, which are discussed in the findings below. Table 7 compares the per-kit savings values reported in the tracking data with the verified savings for each kit type and delivery path.

**Finding 1.** The tracking data for water and weatherization kits delivered through the Requested Kits path provided two different savings values for each kit type—one of which matched the ex-ante calculator, while the other did not. The evaluation team calculated per-kit savings using algorithms and assumptions from IL-TRM v12.0 and applied them uniformly to all kits of the same type.

**Recommendation 1.** Ensure that per-kit savings are calculated using the algorithms and assumptions outlined in IL-TRM and are uniformly applied to all kits of the same type in the tracking data.

**Finding 2.** The ex-ante savings for water and weatherization kits delivered through the Requested Kits path were calculated using In-Service Rates (ISRs) corresponding to Distributed Efficiency Kits (Income Eligible) for water measures and Distributed Self-Install Income-Qualified Kits for weatherization measures. However, because these kits were delivered via outreach events and an online portal upon customer request, they fall under the Requested Efficiency Kit delivery path. The evaluation team applied ISRs corresponding to Requested Efficiency Kits for water measures and Opt-in Weatherization Kits for weatherization measures from the IL-TRM.

**Recommendation 2.** For kits that are delivered via outreach events and online portals upon customer request, use ISRs corresponding to Requested Efficiency Kits for water measures and Opt-in Weatherization Kits for weatherization measures from the IL-TRM.

**Finding 3.** Kit 4 is offered through both delivery paths—Requested Kits and Distributed Kits. However, the version delivered through the Distributed Kits path includes an additional

measure, a window insulation kit, and provides two door sweeps. The Requested Kits version includes only one door sweep and does not include the window insulation kit.

**Recommendation 3.** If kit contents vary by delivery path, each version should be treated as a distinct kit and assigned a unique name in the tracking system.

**Table 7. Kit Unit Savings Comparison**

Kit Name	Delivery Path	Ex Ante Gross Savings (Therms/Unit)	Verified Gross RR*	Verified Gross Savings (Therms/Unit)
Kit 2*	Requested	20.23	127%	25.72
		24.35	106%	25.72
Kit 2 MF*	Requested	24.10	129%	30.99
		29.67	104%	30.99
Kit 4*	Requested	21.07	130%	27.43
		25.09	109%	27.43
Kit 4 MF*	Requested	21.07	130%	27.43
		25.09	109%	27.43
Kit 2	Distributed	13.18	100%	13.18
Kit 2 MF	Distributed	16.31	100%	16.31
Kit 4	Distributed	29.10	100%	29.10
Kit 5	Distributed	34.51	100%	34.51

\*Two different per-kit savings were reported for these kits in the program data.  
 Source: Evaluation team analysis.

## Energy Savings Kits Market Rate Program

### *Program Description*

The Nicor Gas ESK Market Rate program provides hot water (marketed as water savings kits) and weatherization efficiency measures (via weatherization kits) that reduce customer natural gas consumption. The offering targets customers through direct email, outreach events, targeted emails, and Nicor Gas Energy Efficiency Program website promotions. The kits are free and are available to all Nicor Gas single-family (SF) and multi-family (MF) residential customers upon request. There are Kit 1, Kit 2, and Kit 3 versions containing water-saving measure combinations (Kit 1 was not in 2024 program). A fourth kit combination (Kit 4) includes weatherization gas space heating reduction measures. The weatherization measures include outlet covers, foam tape weatherstripping, v-seal weatherstripping, a self-adhesive door sweep, and a roll of rope caulk. Table 8 summarizes total kit distributions in 2024. Customers may request one of either Kit 2, or Kit 3, plus up to two of Kit 4.

The program had 13,536 participants in 2024 and included nine different types of measures as shown in Table 8.

**Table 8. 2024 Volumetric Findings Detail**

Kit	Number of Kits Distributed
Water-Savings Kits (Kits 2 & 3)	6,028
Weatherization Kits (Kit 4)	7,508

*Source: Nicor Gas tracking data and Guidehouse evaluation team analysis*

Table 9 summarizes the kits measure quantities that are the basis for verified energy savings, broken out by quantity distributed in designated disadvantaged community (DAC) area and non-disadvantaged area, based on census tract.

**Table 9. 2024 Kit Measure Quantities – Market Rate**

Program Path	Measure	Quantity Unit	Quantity Per Kit	Distributed Quantity
<b>Water-Savings Kits</b>				
Kit 2	Bathroom Aerator	Each	2	8,378
	Showerhead	Each	2	8,378
	Kitchen Aerator	Each	1	4,189
	Shower Timer	Each	1	4,189
Kit 2 MF	Bathroom Aerator	Each	2	1,516
	Showerhead	Each	2	1,516
	Kitchen Aerator	Each	1	758
	Shower Timer	Each	1	758
Kit 3	Bathroom Aerator	Each	1	2
	Showerhead	Each	1	2
	Kitchen Aerator	Each	1	2
	Shower Timer	Each	1	2
Kit 3 MF	Bathroom Aerator	Each	1	2
	Showerhead	Each	1	2
	Kitchen Aerator	Each	1	2

Program Path	Measure	Quantity Unit	Quantity Per Kit	Distributed Quantity
	Shower Timer	Each	1	2
<b>Water-Savings Kits - DAC</b>				
Kit 2	Bathroom Aerator - DAC	Each	2	1,786
	Showerhead - DAC	Each	2	1,786
	Kitchen Aerator - DAC	Each	1	893
	Shower Timer - DAC	Each	1	893
Kit 2 MF	Bathroom Aerator - DAC	Each	2	368
	Showerhead - DAC	Each	2	368
	Kitchen Aerator - DAC	Each	1	184
	Shower Timer - DAC	Each	1	184
<b>Weatherization Kits</b>				
Kit 4	Rope Caulk	Feet	30	159,180
	Foam Tape	Feet	17	90,202
	V-Seal	Feet	17	90,202
	Outlet Cover	Each	12	63,672
	Door Sweep	Each	1	5,306
Kit 4 MF	Rope Caulk	Feet	30	27,420
	Foam Tape Weatherstrip	Feet	17	15,538
	V-Seal Weatherstrip	Feet	17	15,538
	Outlet & Switch Cover	Each	12	10,968
	Door Sweep	Each	1	914
<b>Weatherization Kits - DAC</b>				
Kit 4	Rope Caulk - DAC	Feet	30	32,310
	Foam Tape - DAC	Feet	17	18,309
	V-Seal - DAC	Feet	17	18,309
	Outlet Cover - DAC	Each	12	12,924

Program Path	Measure	Quantity Unit	Quantity Per Kit	Distributed Quantity
Kit 4 MF	Door Sweep - DAC	Each	1	1,077
	Rope Caulk - DAC	Feet	30	6,330
	Foam Tape Weatherstrip - DAC	Feet	17	3,587
	V-Seal Weatherstrip - DAC	Feet	17	3,587
	Outlet & Switch Cover - DAC	Each	12	2,532
	Door Sweep - DAC	Each	1	211

Source: Nicor Gas tracking data and evaluation team analysis.

## Program Savings Detail

Table 10 summarizes the energy savings of the ESK Market Rate program achieved by path in 2024. Savings are also tracked by whether kits were delivered to SF or MF homes.

**Table 10. 2024 Annual Energy Savings Summary – Market Rate**

Program Path	Ex Ante Gross Savings (Therms)*	Verified Gross RR**	Verified Gross Savings (Therms)	NTG†	NSPO‡	Verified Net Savings (Therms)
<b>Water-Savings Kits</b>						
Kit 2	107,741	100%	107,742	1.10	1.048	124,205
Kit 2 – DAC***	22,968	100%	22,968	1.10	1.048	26,478
Kit 2 MF	23,490	100%	23,491	1.10	1.048	27,080
Kit 2 MF – DAC***	5,702	100%	5,702	1.10	1.048	6,574
Kit 3	36	100%	36	1.10	1.048	41
Kit 3 MF	40	100%	40	1.10	1.048	47
<b>Water-Saving Kits Subtotal</b>	<b>159,978</b>	<b>100%</b>	<b>159,980</b>		<b>1.048</b>	<b>184,425</b>
<b>Weatherization Kits</b>						
Kit 4	145,544	100%	145,564	0.91	1.048	138,821
Kit 4 – DAC***	29,542	100%	29,546	1.00	N/A	29,546
Kit 4 MF	25,071	100%	25,074	0.91	1.048	23,913
Kit 4 MF – DAC***	5,788	100%	5,789	1.00	N/A	5,789
<b>Weatherization Kits Subtotal</b>	<b>205,944</b>	<b>100%</b>	<b>205,973</b>			<b>198,069</b>

Program Path	Ex Ante Gross Savings (Therms)*	Verified Gross RR**	Verified Gross Savings (Therms)	NTG†	NSPO‡	Verified Net Savings (Therms)
<b>Total</b>	<b>365,922</b>	<b>100%</b>	<b>365,953</b>			<b>382,493</b>

\* Ex ante savings reported in the tracking data and in Table 10 are at the kit level, while subsequent tables present savings at the measure level. The breakdown of kit-level savings into measure level savings introduces rounding differences, resulting in a 31 Therms variance between Table 10 and other ESK Market Rate tables in the report.

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

\*\*\* If deemed NTG is multiplied by 1.048 Non-Participant Spillover factor (NPSO) and the resulted NTG value is less than 1.00, the evaluation assigned a DAC NTG of 1.00. If the resulted NTG value is >1.00, evaluation used the >1.00 value for calculation of net savings impact.

† NTG, Net to Gross is the deemed value available on the SAG website: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024/>.

‡ Non-participant spillover (NPSO) factor of 1.048.

Source: Evaluation team analysis.

## Program Savings by Measure

The savings produced from water savings and weatherization measures are shown in Table 11.

**Table 11. 2024 Annual Energy Savings by Measure – Market Rate**

Program Path	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NSPO‡	Verified Net Savings (Therms)
<b>Water-Savings Kits</b>	Showerhead	75,711	100%	75,711	1.10	1.048	87,280
	Kitchen Aerator	28,957	100%	28,957	1.10	1.048	33,381
	Shower Timer	19,537	100%	19,537	1.10	1.048	22,522
	Bathroom Aerator	7,104	100%	7,104	1.10	1.048	8,190
	Showerhead - DAC	16,564	100%	16,564	1.10	1.048	19,094
	Kitchen Aerator - DAC	6,295	100%	6,295	1.10	1.048	7,257
	Shower Timer - DAC	4,247	100%	4,247	1.10	1.048	4,895
	Bathroom Aerator -DAC	1,565	100%	1,565	1.10	1.048	1,804
<b>Water-Saving Kits Subtotal</b>		<b>159,980</b>	<b>100%</b>	<b>159,980</b>		<b>1.048</b>	<b>184,425</b>
<b>Weatherization Kits</b>	Rope Caulk	46,486	100%	46,486	0.91	1.048	44,333
	Foam Tape	37,031	100%	37,031	0.91	1.048	35,316
	V-Seal	34,974	100%	34,974	0.91	1.048	33,354
	Door Sweep	30,819	100%	30,819	0.91	1.048	29,391
	Outlet Cover	21,329	100%	21,329	0.91	1.048	20,341
	Rope Caulk – DAC**	9,626	100%	9,626	1.00	N/A	9,626

Program Path	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	NSPO‡	Verified Net Savings (Therms)
	Foam Tape – DAC**	7,668	100%	7,668	1.00	N/A	7,668
	V-Seal – DAC**	7,242	100%	7,242	1.00	N/A	7,242
	Door Sweep - DAC**	6,382	100%	6,382	1.00	N/A	6,382
	Outlet Cover – DAC**	4,417	100%	4,417	1.00	N/A	4,417
<b>Weatherization Kits Subtotals</b>		<b>205,973</b>	<b>100%</b>	<b>205,973</b>			<b>198,069</b>
<b>Total</b>		<b>365,953</b>	<b>100%</b>	<b>365,953</b>			<b>382,493</b>

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

\*\* If deemed NTG is multiplied by 1.048 Non-Participant Spillover factor (NPSO) and the resulted NTG value is less than 1.00, the evaluation assigned a DAC NTG of 1.00. If the resulted NTG value is >1.00, evaluation used the >1.00 value for calculation of net savings impact.

† NTG, Net to Gross is the deemed value available on the SAG website: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2024/>.

‡ Non-participant spillover (NPSO) factor of 1.048.

Source: Evaluation team analysis.

Table 12 details measure level savings by whether the kit measures were delivered to single or multi-family homes.

**Table 12. 2024 Annual Energy Savings by Measure and Residence Type**

Measure	Quantity Distributed	Ex Ante Gross Savings (Therms)	Verified Gross RR	Verified Gross Savings (Therms)	NTG†	NPSO	Verified Net Savings (Therms)
<b>Water-Saving Kits</b>							
Bathroom Aerators SF	8,380	5,363	100%	5,363	1.10	1.048	6,183
Bathroom Aerators MF	1,518	1,741	100%	1,741	1.10	1.048	2,007
Kitchen Aerators SF	4,191	24,640	100%	24,640	1.10	1.048	28,405
Kitchen Aerators MF	760	4,317	100%	4,317	1.10	1.048	4,977
Showerhead SF	8,380	61,121	100%	61,121	1.10	1.048	70,461
Showerhead MF	1,518	14,590	100%	14,590	1.10	1.048	16,819
Shower Timer SF	4,191	16,654	100%	16,654	1.10	1.048	19,198
Shower Timer MF	760	2,883	100%	2,883	1.10	1.048	3,324
Bathroom Aerators SF – DAC**	1,786	1,143	100%	1,143	1.10	1.048	1,318
Bathroom Aerators MF – DAC**	368	422	100%	422	1.10	1.048	487
Kitchen Aerators SF – DAC*	893	5,250	100%	5,250	1.10	1.048	6,052
Kitchen Aerators MF – DAC*	184	1,045	100%	1,045	1.10	1.048	1,205
Showerhead SF – DAC*	1,786	13,027	100%	13,027	1.10	1.048	15,017
Showerhead MF – DAC*	368	3,537	100%	3,537	1.10	1.048	4,077

Measure	Quantity Distributed	Ex Ante Gross Savings (Therms)	Verified Gross RR	Verified Gross Savings (Therms)	NTG†	NPSO	Verified Net Savings (Therms)
Shower Timer SF – DAC*	893	3,548	100%	3,548	1.10	1.048	4,091
Shower Timer MF – DAC*	184	698	100%	698	1.10	1.048	805
<b>Weatherization Kits</b>							
Rope Caulk SF	159,180	39,655	100%	39,655	0.91	1.048	37,818
Rope Caulk MF	27,420	6,831	100%	6,831	0.91	1.048	6,514
Foam Tape SF	90,202	31,589	100%	31,589	0.91	1.048	30,126
Foam Tape MF	15,538	5,442	100%	5,442	0.91	1.048	5,189
V-Seal SF	90,202	29,834	100%	29,834	0.91	1.048	28,453
V-Seal MF	15,538	5,139	100%	5,139	0.91	1.048	4,901
Door Sweep SF	5,306	26,290	100%	26,290	0.91	1.048	25,072
Door Sweep MF	914	4,529	100%	4,529	0.91	1.048	4,319
Gaskets SF	63,672	18,195	100%	18,195	0.91	1.048	17,352
Gaskets MF	10,968	3,134	100%	3,134	0.91	1.048	2,989
Rope Caulk SF – DAC*	32,310	8,049	100%	8,049	1.00	N/A	8,049
Rope Caulk MF – DAC*	6,330	1,577	100%	1,577	1.00	N/A	1,577
Foam Tape SF – DAC*	18,309	6,412	100%	6,412	1.00	N/A	6,412
Foam Tape MF – DAC*	3,587	1,256	100%	1,256	1.00	N/A	1,256
V-Seal SF – DAC*	18,309	6,056	100%	6,056	1.00	N/A	6,056
V-Seal MF – DAC*	3,587	1,186	100%	1,186	1.00	N/A	1,186
Door Sweep SF – DAC*	1,077	5,336	100%	5,336	1.00	N/A	5,336
Door Sweep MF – DAC*	211	1,045	100%	1,045	1.00	N/A	1,045
Gaskets SF – DAC*	12,924	3,693	100%	3,693	1.00	N/A	3,693
Gaskets MF – DAC*	2,532	724	100%	724	1.00	N/A	724
<b>Total</b>	<b>614,276</b>	<b>365,953</b>	<b>100%</b>	<b>365,953</b>			<b>382,493</b>

\* If deemed NTG is multiplied by 1.048 Non-Participant Spillover factor (NPSO) and the resulted NTG value is less than 1.00, the evaluation assigned a DAC NTG of 1.00. If the resulted NTG value is >1.00, evaluation used the >1.00 value for calculation of net savings impact.

Source: Evaluation team analysis.

## ***Impact Analysis Findings and Recommendations***

The evaluation team determined verified gross savings for each measure by conducting a tracking system review and measure level calculations. Calculated verified gross savings applied Illinois TRM v12.0 methodology including inputs and formulas. The evaluation team's verified gross savings calculation uses non-rounded input values for per-kit unit thermal savings. In contrast, Nicor Gas savings report extracts round ex-ante per-kit gross savings to two digits after the decimal point. These rounding differences cause minor differences in total Therms for the program (typically less than 0.1%) and are not Nicor Gas calculation errors.

## Impact Parameter Estimates

Table 13 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 a discussion of all measures with realization rates above or below 100%. Appendix A provides a description of the impact analysis methodology.

**Table 13. Verified Gross Savings Parameters**

Measure	Unit Basis	Ex Ante Gross (Therms/unit)	Verified Gross (Therms/unit)	Realization Rate	Data Source(s)
<b>Water-Saving Kits</b>					
Bath Aerators SF	Each	0.64	0.64	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Bath Aerators MF	Each	1.15	1.15	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Kitchen Aerators SF	Each	5.88	5.88	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Kitchen Aerators MF	Each	5.68	5.68	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.4
Showerhead SF	Each	7.29	7.29	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5
Showerhead MF	Each	9.61	9.61	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.5
Shower Timer SF	Each	3.97	3.97	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.9
Shower Timer MF	Each	3.79	3.79	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.4.9
<b>Weatherization Kits</b>					
Outlet Cover SF	Each	0.29	0.29	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Outlet Cover MF	Each	0.29	0.29	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Foam Tape SF	Feet	0.35	0.35	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Foam Tape MF	Feet	0.35	0.35	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
V-Seal SF	Feet	0.33	0.33	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
V-Seal MF	Feet	0.33	0.33	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Door Sweep SF	Each	4.95	4.95	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Door Sweep MF	Each	4.95	4.95	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Rope Caulk SF	Feet	0.25	0.25	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1
Rope Caulk MF	Feet	0.25	0.25	100%	2024 Illinois TRM, v12.0, Vol.3, Section 5.6.1

Source: Evaluation team analysis.

## ***Findings and Recommendations***

All 2024 kit level and measure level components were consistent with TRM (v12.0) inputs and formulas. No program participants received more than one hot water kit and two weatherization kits. Guidehouse found the tracking data was complete and all ex-ante savings were consistent with the appropriate calculations in the IL-TRM v12.0.

**Finding 1.** The tracking data estimated ex ante net savings for the market rate kit measures in a DAC area using a DAC NTG of 1.0. This approach does not consider exceptions for when the measure deemed NTG is greater than 1.0, or when a non-participant spillover is applied, in accordance with the Policy Manual 3.0. The evaluation team calculated verified Net Therms savings following the guidance in the Policy Manual 3.0, such that measures having deemed NTG greater than 1.0 will use the deemed value instead of the DAC NTG of 1.0.

**Recommendation 1.** If a measure has a deemed NTG value greater than 1.0 and it is in a DAC area, the ex-ante net savings reported should use the deemed NTG value of, in accordance with the Policy Manual 3.0. If the deemed NTG is less than 1.0 and multiplied by the NPSO results in a NTG lower than 1.0, then use the DAC NTG of 1.0.

## **Appendix A. Impact Analysis Methodology**

The evaluation team determined verified gross savings for each program measure by conducting tracking system and savings calculation reviews. Measure inputs were checked against IL-TRM v12.0 inputs. The evaluation team also verified that each program measure meets the TRM defined physical, operational, and baseline characteristics. Verified gross realization rates are calculated by dividing the verified gross savings by the ex-ante gross savings.

## Appendix B. Program Specific Inputs for the Illinois TRC

### Energy Savings Kits Income Eligible

Table B-1 shows 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 this table 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 B-1. Verified Cost Effectiveness Inputs – Income Eligible**

Program Category	Program Path	Savings Category	Delivery Path	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)
ESK Income Eligible	Water Savings Kits	Showerhead	Requested	FALSE	Each	6,906	10.0	NO	9,553,509	46,335	53,360	53,360
		Kitchen Aerator	Requested	FALSE	Each	3,453	10.0	NO	4,359,872	18,174	20,172	20,172
		Shower Timer	Requested	FALSE	Each	3,453	2.0	NO	2,469,353	15,987	13,605	13,605
		Bathroom Aerator	Requested	FALSE	Each	6,906	10.0	NO	1,282,140	4,578	5,074	5,074
		Showerhead	Distributed	FALSE	Each	1,622	10.0	NO	1,724,532	8,120	8,120	8,120
		Shower Timer	Distributed	FALSE	Each	811	2.0	NO	545,201	2,519	2,519	2,519
		Bathroom Aerator	Distributed	FALSE	Each	1,622	10.0	NO	240,616	803	803	803
		Kitchen Aerator	Distributed	FALSE	Each	811	10.0	NO	139,043	541	541	541
		Rope Caulk	Requested	FALSE	Feet	109,620	20.0	NO	-	26,444	27,309	27,309
		Foam Tape Weatherstrip	Requested	FALSE	Feet	62,118	20.0	NO	-	16,507	21,754	21,754
	Weatherization Kits	V-Seal Weatherstrip	Requested	FALSE	Feet	62,118	20.0	NO	-	16,507	20,546	20,546

Program Category	Program Path	Savings Category	Delivery Path	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)
Kit 5		Door Sweep	Requested	FALSE	Each	3,654	20.0	NO	-	14,315	18,105	18,105
		Outlet & Switch Cover	Requested	FALSE	Each	43,848	20.0	NO	-	5,719	12,530	12,530
		Door Sweep	Distributed	FALSE	Each	2,534	20.0	NO	-	8,907	8,908	8,908
		Rope Caulk	Distributed	FALSE	Feet	38,010	20.0	NO	-	8,234	8,233	8,233
		Window Insulation Kit	Distributed	FALSE	Each	6,335	20.0	NO	-	7,687	7,689	7,689
		Foam Tape Weatherstrip	Distributed	FALSE	Feet	21,539	20.0	NO	-	5,132	5,132	5,132
		V-Seal Weatherstrip	Distributed	FALSE	Feet	21,539	20.0	NO	-	5,132	5,132	5,132
		Outlet & Switch Cover	Distributed	FALSE	Each	15,204	20.0	NO	-	1,782	1,781	1,781
		Rope Caulk	Distributed	FALSE	Feet	362,130	20.0	NO	-	78,436	78,436	78,436
		Window Insulation Kit	Distributed	FALSE	Each	60,355	20.0	NO	-	73,270	73,270	73,270
		Showerhead	Distributed	FALSE	Each	12,071	10.0	NO	12,422,556	56,443	56,443	56,443
		Foam Tape	Distributed	FALSE	Feet	205,207	20.0	NO	-	48,899	48,899	48,899
		V-Seal Weatherstrip	Distributed	FALSE	Feet	205,207	20.0	NO	-	48,899	48,899	48,899
		Door Sweep	Distributed	FALSE	Each	12,071	20.0	NO	-	42,429	42,429	42,429
		Shower Timer	Distributed	FALSE	Each	12,071	2.0	NO	8,443,689	38,120	38,120	38,120
	Bathroom Aerator	Distributed	FALSE	Each	24,142	10.0	NO	3,098,650	9,874	9,874	9,874	

Program Category	Program Path	Savings Category	Delivery Path	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)
		Kitchen Aerator	Distributed	FALSE	Each	12,071	10.0	NO	2,153,394	8,184	8,184	8,184
		Outlet Cover	Distributed	FALSE	Each	48,284	20.0	NO	-	5,649	5,649	5,649
		Switch Cover	Distributed	FALSE	Each	48,284	20.0	NO	-	5,649	5,649	5,649
		Temperature Setback	Distributed	FALSE	Each	12,071	2.0	NO	-	706	706	706
<b>Total or Weighted Average</b>							<b>16.0</b>		<b>46,432,555</b>	<b>629,979</b>	<b>657,870</b>	<b>657,870</b>

Source: Evaluation team analysis.

### Energy Savings Kits Market Rate

**Table B-2. Verified Cost Effectiveness Inputs - Market Rate**

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)
<b>ESK Market Rate</b>	<b>Water Savings Kits</b>	Showerhead	FALSE	Each	9,898	10.0	NO	13,634,652	75,711	75,711	87,280
		Kitchen Aerator	FALSE	Each	4,951	10.0	NO	6,289,989	28,957	28,957	33,381
		Shower Timer	FALSE	Each	4,951	2.0	NO	3,562,536	19,537	19,537	22,522
		Bathroom Aerator	FALSE	Each	9,898	10.0	NO	1,807,102	7,104	7,104	8,190
		Showerhead - DAC	TRUE	Each	2,154	10.0	NO	2,973,756	16,564	16,564	19,094

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)
		Kitchen Aerator - DAC	TRUE	Each	1,077	10.0	NO	1,363,888	6,295	6,295	7,257
		Shower Timer - DAC	TRUE	Each	1,077	2.0	NO	772,482	4,247	4,247	4,895
		Bathroom Aerator - DAC	TRUE	Each	2,154	10.0	NO	396,734	1,565	1,565	1,804
	<b>Weatherization Kits</b>	Rope Caulk	FALSE	Feet	186,600	20.0	NO	-	46,486	46,486	44,333
		Foam Tape	FALSE	Feet	105,740	20.0	NO	-	37,031	37,031	35,316
		V-Seal	FALSE	Feet	105,740	20.0	NO	-	34,974	34,974	33,354
		Door Sweep	FALSE	Each	6,220	20.0	NO	-	30,819	30,819	29,391
		Outlet Cover	FALSE	Each	74,640	20.0	NO	-	21,329	21,329	20,341
		Rope Caulk - DAC	TRUE	Feet	38,640	20.0	NO	-	9,626	9,626	9,626
		Foam Tape - DAC	TRUE	Feet	21,896	20.0	NO	-	7,668	7,668	7,668
		V-Seal - DAC	TRUE	Feet	21,896	20.0	NO	-	7,242	7,242	7,242
		Door Sweep - DAC	TRUE	Each	1,288	20.0	NO	-	6,382	6,382	6,382
		Outlet Cover - DAC	TRUE	Each	15,456	20.0	NO	-	4,417	4,417	4,417
<b>Total or Weighted Average</b>						<b>15.1</b>		<b>30,801,138</b>	<b>365,953</b>	<b>365,953</b>	<b>382,493</b>

Source: Evaluation team analysis.