

C&I and Public Sector Prescriptive 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 Commercial and Industrial (C&I) and Public Sector Prescriptive programs. It presents a summary of the energy impacts for the total program and broken out by relevant measure and program structure details. Appendices present the impact analysis methodology and the inputs for cost-effectiveness analysis. Program year 2025 covers January 1 to December 31, 2025.

2 Program Description

The PGL and NSG comprehensive business programs combine offerings into program paths and allow eligible C&I and Public Sector customers access to any of the paths based on the needs of each customer. This report covers evaluation activities for measures installed and natural gas savings realized through the Prescriptive Rebate path, referred to as the Prescriptive program in this report. The program provides standardized incentives to cover part of the measure costs for existing commercial, industrial, and public sector buildings. The incentives focus on energy efficient measures, such as space heating systems, water heating systems, pipe and storage tank insulation, steam traps, and food service equipment.

The PGL program had 31 participants (16 C&I and 15 public sector participants) in 2025 and completed 246 projects (24 C&I and 222 public sector projects) as shown in Table 1.

Table 1. 2025 Volumetric Summary for PGL

Participation	Total
C&I Sector	
Participants *	16
Installed Projects †	24
Measure Types Installed ‡	8
Public Sector	
Participants *	15
Installed Projects †	222
Measure Types Installed ‡	14
Program 2025 Total	
Participants *	31
Installed Projects †	246
Measure Types Installed ‡	15

* Participants are defined as the distinct count of Account Name.

† Installed Projects are defined as the distinct count of Work Order IDs, not including Steam Trap Test and Bonus measures.

‡ Measure Types Installed are the distinct count of verified measure names, not including Steam Trap Test and Bonus measures.

Source: Peoples Gas tracking data and evaluation team analysis.

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

Table 2. 2025 Installed Measure Quantities for PGL

Program Category	Measure	Quantity Unit	Installed Quantity
C&I	Boiler Tune Up - Process	MBH	32,600
	Boiler Tune Up - Space Heating	MBH	42,434
	Prescriptive Change Steam Trap	Projects	5
	Steam Pipe Insulation	Ln Ft.	75
	Steam Pipe Insulation - Fitting	Ln Ft.	3
	Steam Traps - HVAC Repair/Rep High	Unit	5
	Steam Traps - HVAC Repair/Rep Low	Unit	409
	Steam Traps - Industrial Rep	Unit	438
Public	Boiler Tune Up - Process	MBH	90,200
	Boiler Tune Up - Space Heating	MBH	592,771
	Demand Controlled Ventilation	Sq Ft	232,148
	DHW Pipe Insulation	Ln Ft	410
	High Efficiency Boiler	MBH	21,000
	HW Pipe Insulation	Ln Ft	3,604
	Linkageless Boiler Controls for Space Heating	MBH	17,000
	Prescriptive Change Steam Trap	Projects	1
	Steam Pipe Insulation	Ln Ft	887
	Steam Pipe Insulation - Fitting	Ln Ft	125
	Steam Pipe Insulation - Valve	Ln Ft	83
	Steam Traps - HVAC Repair/Rep Low	Unit	1,551
	Steam Traps - Industrial Rep	Unit	59
	Storage Water Heater (Large)	MBH	390

Source: Peoples Gas tracking data and evaluation team analysis.

The NSG program had 12 participants (8 C&I and 4 public sector participants) in 2025 and completed 16 projects (11 C&I and 5 public sector projects) projects as shown in Table 3.

Table 3. 2025 Volumetric Summary for NSG

Participation	Total
C&I Sector	
Participants *	8
Installed Projects †	11
Measure Types Installed ‡	4
Public Sector	
Participants *	4
Installed Projects †	5
Measure Types Installed ‡	4
Program 2025 Total	
Participants *	12
Installed Projects †	16
Measure Types Installed ‡	5

* Participants are defined as the distinct count of Account Name.

† Installed Projects are defined as the distinct count of Work Order IDs, not including Steam Trap Test and Bonus measures.

‡ Measure Types Installed are the distinct count of verified measure names, not including Steam Trap Test and Bonus measures.

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

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

Table 4. 2025 Installed Measure Quantities for NSG

Program Category	Measure	Quantity Unit	Installed Quantity
C&I	Boiler Tune Up - Process	MBH	61,720
	Boiler Tune Up - Space Heating	MBH	62,402
	Steam Traps - HVAC Repair/Rep Low	Each	457
	Steam Traps - Industrial Rep	Each	60
Public	Boiler Tune Up - Process	MBH	114,752
	Boiler Tune Up - Space Heating	MBH	41,400
	Linkageless Boiler Controls for Space Heating	MBH	5,000
	Steam Traps - HVAC Repair/Rep Low	Each	27

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

3 Program Savings Detail

Table 5 summarizes the energy savings the PGL Prescriptive Program achieved by path in 2025. Projects in disadvantaged communities (DAC) have a deemed net-to-gross ratio (NTG) of 1.00.

Table 5. 2025 Annual Energy Savings Summary for PGL

Program Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
C&I, Non-DAC	974,303	108%	1,056,258	0.91	961,195
C&I, DAC	282,808	115%	325,657	1.00	325,657
Public, Non-DAC	692,827	101%	697,331	0.92	641,544
Public, DAC	906,096	100%	905,708	1.00	905,708
Total or Weighted Average	2,856,034	105%	2,984,954		2,834,104

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.

† The program path NTG value is calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values (see Table 4), which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2025>.

Source: Evaluation team analysis.

Table 6 summarizes the energy savings the NSG Prescriptive Program achieved by path in 2025. Projects in disadvantaged communities (DAC) have a deemed net-to-gross ratio (NTG) of 1.00.

Table 6. 2025 Annual Energy Savings Summary for NSG

Program Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
C&I, Non-DAC	502,637	105%	525,862	0.91	478,534
C&I, DAC	182,501	115%	210,237	1.00	210,237
Public, Non-DAC	130,746	100%	130,746	0.92	120,287
Public, DAC	21,109	100%	21,060	1.00	21,060
Total or Weighted Average	836,994	106%	887,904		830,117

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.

† The program path NTG value is calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values (see Table 4), which are listed here: <https://www.ilsag.info/evaluator-ntg-recommendations-for-2025>.

Source: Evaluation team analysis.

4 Program Savings by Measure

The PGL program includes 15 unique measures as shown in Table 7. The Steam Trap and Boiler Tune Up measure groups contributed the most savings.

Table 7. 2025 Annual Energy Savings by Measure for PGL

Program Category	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
C&I, Non-DAC	Boiler Tune Up - Process	26,080	100%	26,080	0.91	23,733
	Boiler Tune Up - Space Heating	10,047	100%	10,047	0.91	9,143
	Prescriptive Change Steam Trap	4,522	100%	4,522	0.91	4,115
	Steam Pipe Insulation	1,034	100%	1,034	0.91	941
	Steam Pipe Insulation - Fitting	48.50	100%	48.50	0.91	44.14
	Steam Traps - HVAC Repair/Rep High	1,798	100%	1,802	0.91	1,640
	Steam Traps - HVAC Repair/Rep Low	140,601	100%	140,272	0.91	127,647
	Steam Traps - Industrial Rep	790,172	110%	872,452	0.91	793,932
C&I, Non-DAC Subtotal		974,303	108%	1,056,258	0.91	961,195
C&I, DAC	Prescriptive Change Steam Trap	-69,670	100%	-69,670	1.00	-69,670
	Steam Traps - HVAC Repair/Rep Low	12,483	100%	12,480	1.00	12,480

Program Category	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
	Steam Traps - Industrial Rep	339,994	113%	382,847	1.00	382,847
<i>C&I, DAC Subtotal</i>		<i>282,808</i>	<i>115%</i>	<i>325,657</i>	<i>1.00</i>	<i>325,657</i>
<i>C&I Subtotal</i>		<i>1,257,111</i>	<i>110%</i>	<i>1,381,915</i>		<i>1,286,852</i>
Public, Non-DAC	Boiler Tune Up - Process	16,875	100%	16,875	0.92	15,525
	Boiler Tune Up - Space Heating	114,628	100%	114,628	0.92	105,458
	Demand Controlled Ventilation	9,567	100%	9,567	0.92	8,802
	DHW Pipe Insulation	127	100%	127	0.92	117
	High Efficiency Boiler	14,373	100%	14,373	0.92	13,223
	HW Pipe Insulation	15,988	100%	15,988	0.92	14,709
	Steam Traps - HVAC Repair/Rep Low	451,611	100%	450,549	0.92	414,505
	Steam Traps - Industrial Rep	69,657	108%	75,224	0.92	69,206
<i>Public, Non-DAC Subtotal</i>		<i>692,827</i>	<i>101%</i>	<i>697,331</i>	<i>0.92</i>	<i>641,544</i>
Public, DAC	Boiler Tune Up - Process	40,500	100%	40,500	1.00	40,500
	Boiler Tune Up - Space Heating	79,209	100%	79,209	1.00	79,209
	Demand Controlled Ventilation	7,148	100%	7,148	1.00	7,148
	DHW Pipe Insulation	705	100%	705	1.00	705
	High Efficiency Boiler	17,163	100%	17,163	1.00	17,163
	Linkageless Boiler Controls for Space Heating	8,353	100%	8,353	1.00	8,353
	Prescriptive Change Steam Trap	394	100%	394	1.00	394
	Steam Pipe Insulation	8,370	100%	8,370	1.00	8,370
	Steam Pipe Insulation - Fitting	997	100%	997	1.00	997
	Steam Pipe Insulation - Valve	2,637	100%	2,637	1.00	2,637
	Steam Traps - HVAC Repair/Rep Low	698,735	100%	697,140	1.00	697,140
	Steam Traps - Industrial Rep	41,614	103%	42,822	1.00	42,822
	Storage Water Heater (Large)	271	100%	271	1.00	271
<i>Public, DAC Subtotal</i>		<i>906,096</i>	<i>100%</i>	<i>905,708</i>	<i>1.00</i>	<i>905,708</i>

Program Category	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
Public Subtotal		1,598,922	100%	1,603,039		1,547,253
Total or Weighted Average		2,856,034	105%	2,984,954		2,834,104

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>.

Source: Evaluation team analysis.

The NSG program includes five unique measures as shown in Table 8. The Steam Trap measures contributed the most savings.

Table 8. 2025 Annual Energy Savings by Measure for NSG

Program Category	Savings Category	Ex Ante Gross Savings (Therms)	Verified Gross RR*	Verified Gross Savings (Therms)	NTG†	Verified Net Savings (Therms)
C&I, Non-DAC	Boiler Tune Up - Process	63,123	100%	63,123	0.91	57,442
	Boiler Tune Up - Space Heating	29,550	100%	29,550	0.91	26,891
	Steam Traps - HVAC Repair/Rep Low	292,610	99%	290,439	0.91	264,300
	Steam Traps - Industrial Rep	117,354	122%	142,749	0.91	129,902
	C&I, Non-DAC Subtotal	502,637	105%	525,862	0.91	478,534
C&I, DAC	Steam Traps - HVAC Repair/Rep Low	17,982	100%	17,940	1.00	17,940
	Steam Traps - Industrial Rep	164,519	117%	192,297	1.00	192,297
C&I, DAC Subtotal		182,501	115%	210,237	1.00	210,237
C&I Subtotal		685,139	1.07	736,099		688,771
Public, Non-DAC	Boiler Tune Up - Process	117,361	100%	117,361	0.92	107,972
	Boiler Tune Up - Space Heating	10,100	100%	10,100	0.92	9,292
	Linkageless Boiler Controls for Space Heating	3,285	100%	3,285	0.92	3,022
Public, Non-DAC Subtotal		130,746	100%	130,746	0.92	120,287
Public, DAC	Steam Traps - HVAC Repair/Rep Low	21,109	100%	21,060	1.00	21,060
Public, DAC Subtotal		21,109	100%	21,060	1.00	21,060
Public Subtotal		151,856	100%	151,806		141,346
Total or Weighted Average		836,994	106%	887,904		830,117

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>.

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	Data Source and TRM v13.0 Section †
Boiler Tune Up - Process	MBH	0.882	0.882	100%	Section 4.4.3
Boiler Tune Up - Space Heating	MBH	0.330	0.330	100%	Section 4.4.2
Demand Controlled Ventilation	Sq Ft	0.072	0.072	100%	Section 4.4.19
DHW Pipe Insulation	Ln Ft.	2.029	2.029	100%	Section 4.4.14
High Efficiency Boiler	MBH	1.502	1.502	100%	Section 4.4.10
HW Pipe Insulation	Ln Ft.	4.436	4.436	100%	Section 4.4.14
Linkageless Boiler Controls for Space Heating	MBH	0.529	0.529	100%	Section 4.4.21
Prescriptive Change Steam Trap	Projects	-10,792.128	-10,792.128	100%	PTD*, MMDB
Steam Pipe Insulation	Ln Ft.	9.775	9.775	100%	PTD, MMDB
Steam Pipe Insulation - Fitting	Ln Ft.	8.166	8.166	100%	PTD, MMDB
Steam Pipe Insulation - Valve	Ln Ft.	31.770	31.770	100%	PTD, MMDB
Steam Traps - HVAC Repair/Rep High	Each	359.656	360.395	100%	Section 4.4.16, PTD, MMDB
Steam Traps - HVAC Repair/Rep Low	Each	669.039	666.890	100%	Section 4.4.16, PTD, MMDB
Steam Traps - Industrial Rep	Each	3,065.013	3,437.407	112%	Section 4.4.16, PTD, MMDB
Storage Water Heater (Large)	MBH	0.695	0.695	100%	Section 4.3.1

Note: Realization rates presented in this table are rounded.

** Program Tracking Data (PTD) provided by PGL NSG, extract dated January 30, 2026; PGL/NSG Master Measure Database (MMDB).*

† State of Illinois Technical Reference Manual version 13.0 from <http://www.ilsag.info/technical-reference-manual.html>.

5.2 Findings and Recommendations

Finding 1a. The evaluation team used the supplemental data file¹ to obtain Steam Pressure PSIG input information for all Steam Trap measures. For measures that had a provided steam pressure value, verified savings used the value to calculate the steam loss per leaking trap (Sa) and temperature of saturated steam (T1), via the calculated average steam trap inlet pressure (P1), inputs. For measures that did not have a provided steam pressure value, verified savings used the Illinois Technical Reference Manual version 13.0 (IL TRM v13.0) to determine the Sa and T1, via the P1 calculation, values based on measure information. All other inputs came from the IL TRM v13.0 for both cases.

- The two “HVAC Repair/Rep” measures with steam pressure values of 15 or above were assigned to the High category, both had steam pressure values provided. All other “HVAC Repair/Rep” measures were assigned to the Low category as they either had a steam pressure value of 7 or not provided. The evaluation team assumed a historic program evaluation default steam pressure value of 11.2, documented in the Master Measure Database (MMDB) and aligning with the IL TRM v13.0 “Industrial/Process Low Pressure: psig < 15” steam system, for those measures in the Low category without a steam pressure value provided.
- All “Industrial/Process” measures either provided a steam pressure value or had details on steam pressure in the Measure Name tracking data column except for one instance. This was the “Industrial/Process” measure in WO-7130186, and the evaluation team assumed a historic program evaluation default steam pressure value of 16, aligning with the IL TRM v13.0 “Medium Pressure: 15 ≤ psig < 30” steam system.

Finding 1b. The evaluation team found two measures with ex ante savings that did not utilize the provided steam pressure values, WO-4636585 “HVAC Repair/Rep High – Audit” and WO-6032521 “Industrial/Process Audit - 15 ≤ psig < 30”. Verified savings followed suit, assuming a historic program evaluation default steam pressure of 16, aligning with the IL TRM v13.0 “Medium Pressure: 15 ≤ psig < 30” steam system, and using IL TRM v13.0 values to get a realization rate of 100%.

Finding 1c. The evaluation team could not replicate ex ante savings for two measures. Verified savings for WO-7122677 “Industrial/Process Audit” used the provided steam pressure of 100 psig, this resulted in a realization rate of 1.05. Verified savings for WO-7130186 “Industrial/Process Audit” used a default steam pressure of 16 psig as no steam pressure value was provided, this resulted in a realization rate of 84%.

Recommendation 1. Ensure the tracking data provides all relevant steam trap information for measure savings verification. Tracking data information should support ex ante savings values.

Finding 2. The evaluation team observed ex ante savings used a formula to calculate the heat of vaporization of steam (Hv) input for all measures where a steam pressure value was provided, except for the three cases summarized in Findings 1b and 1c (WO-4636585, WO-6032521, and WO-7122677). The

¹ EOY Data File for Business Programs 2025_DAC_Update Bldg Type.xlsx.

Interim Impact Review found this formula came from the MMBD, and in follow-up discussions Guidehouse stated verified savings will continue to use the IL TRM v13.0 to look up Hv values. This had varied impacts on measure savings realization rates.

Recommendation 2. The evaluation team recommends using the IL TRM v13.0 for Hv values to align with the methodology for other savings inputs. The TRM does not state that actual values can be used for this input.

Finding 3. The evaluation team used the supplemental data file² “Building Type-Corrected” field as the project’s Building Type. When that field was blank, the evaluation team used the tracking data’s “Business Type” field for the project’s Building Type. When both fields were blank, the evaluation team assumed a Building Type of Unknown. This did not impact realization rates.

Recommendation 3. Ensure key columns of the tracking data, such as the project’s Building Type, are populated completely.

Finding 4. The evaluation team found the PGL program had Prescriptive Change Steam Trap measure category with one measure line item in tracking data reporting negative savings of 69,670 therms. We could not replicate the assumptions that produced these negative savings. We did not change the verified savings.

Recommendation 4. Produce adequate data for the Prescriptive Change Steam Trap measure in the tracking data to justify the savings claimed in the tracking data.

² EOY Data File for Business Programs 2025_DAC_Update Bldg Type.xlsx.

Appendix A. Impact Analysis Methodology

Guidehouse determined verified gross savings for each program measure by:

- Utilizing the provided tracking data: “Public Px 2025 Data for GH.xlsx” and “C&I Px 2025 Data for GH.xlsx”.
- Utilizing a provided supplemental file to identify measures in a DAC designated site, project Building Type, and Steam Trap steam pressure: “EOY Data File for Business Programs 2025_DAC_Update Bldg Type.xlsx”.
- Reviewing the savings algorithm inputs in the MMDB for agreement with the IL TRM v13.0 and IL TRM v13.0 errata memo or evaluation research for non-deemed measures or custom inputs.
- Validating that the savings algorithm was applied correctly.
- Cross-checking per-unit savings values in the tracking data with the verified values in the MMDB or Guidehouse’s calculations if the MMDB did not agree with the IL TRM v13.0 or IL TRM v13.0 errata memo.
- Multiplying the verified per-unit savings value by the quantity reported in the program tracking data to substantiate the type and quantity of measures installed.

Verified gross realization rates are calculated by dividing the verified gross savings by the ex ante gross savings. We calculated verified net energy savings by multiplying the verified gross savings estimates by a deemed NTG. The 2025 NTG were based on past evaluation research and defined by a consensus process through SAG³. Economically disadvantaged areas were identified by the “Dis-Advantaged Community” column of the supplemental data file⁴, where a “0” represented a Non-Disadvantaged Community and a “1” represented a Disadvantaged Community. The evaluation team used a NTG of 1.00 for DAC projects’ verified savings when the “Dis-Advantaged Community” column had a value of “1”. The NTG of 1.00 is based on Illinois Policy Manual 3.0⁵.

³ A deemed value. Available on the SAG website: <https://www.ilsag.info/policy/net-to-gross-framework/evaluator-ntg-recommendations-for-2025/>

⁴ EOY Data File for Business Programs 2025_DAC_Update Bldg Type.xlsx.

⁵ https://www.ilsag.info/wp-content/uploads/IL_EE_Policy_Manual_Version_3.0_Final_11-3-2023.pdf

Appendix B. Program Specific Inputs for the Illinois TRC

The Table 10 and Table 11 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 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 10. Verified Cost Effectiveness Inputs - PGL

Program Category	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)
C&I	Boiler Tune Up - Process	FALSE	MBH	32,600	2.00	NO		26,080	26,080	23,733
	Boiler Tune Up - Space Heating	FALSE	MBH	42,434	3.00	NO		10,047	10,047	9,143
	Prescriptive Change Steam Trap	FALSE	Projects	2.00	6.00	NO		4,522	4,522	4,115
	Prescriptive Change Steam Trap	TRUE	Projects	3.00	6.00	NO		-69,670	-69,670	-69,670
	Steam Pipe Insulation	FALSE	Ln Ft.	75.00	15.00	NO		1,034	1,034	941
	Steam Pipe Insulation - Fitting	FALSE	Ln Ft.	3.00	15.00	NO		48.50	48.50	44.14
	Steam Traps - HVAC Repair/Rep High	FALSE	Each	5.00	6.00	NO	15,713	1,798	1,802	1,640
	Steam Traps - HVAC Repair/Rep Low	FALSE	Each	393	6.00	NO	1,202,795	140,601	140,272	127,647
	Steam Traps - HVAC Repair/Rep Low	TRUE	Each	16.00	6.00	NO	107,010	12,483	12,480	12,480
	Steam Traps - Industrial Rep	FALSE	Each	293	6.00	NO	7,116,805	790,172	872,452	793,932
	Steam Traps - Industrial Rep	TRUE	Each	145	6.00	NO	3,484,569	339,994	382,847	382,847
Public	Boiler Tune Up - Process	FALSE	MBH	25,500	2.00	NO		16,875	16,875	15,525

Program Category	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)
	Boiler Tune Up - Process	TRUE	MBH	64,700	2.00	NO		40,500	40,500	40,500
	Boiler Tune Up - Space Heating	FALSE	MBH	348,464	3.00	NO		114,628	114,628	105,458
	Boiler Tune Up - Space Heating	TRUE	MBH	244,307	3.00	NO		79,209	79,209	79,209
	Demand Controlled Ventilation	FALSE	Sq Ft	132,873	10.00	NO		9,567	9,567	8,802
	Demand Controlled Ventilation	TRUE	Sq Ft	99,275	10.00	NO		7,148	7,148	7,148
	DHW Pipe Insulation	FALSE	Ln Ft.	35.00	15.00	NO		127	127	117
	DHW Pipe Insulation	TRUE	Ln Ft.	375	15.00	NO		705	705	705
	High Efficiency Boiler	FALSE	MBH	10,000	25.00	NO		14,373	14,373	13,223
	High Efficiency Boiler	TRUE	MBH	11,000	25.00	NO		17,163	17,163	17,163
	HW Pipe Insulation	FALSE	Ln Ft.	3,604	15.00	NO		15,988	15,988	14,709
	Linkageless Boiler Controls for Space Heating	TRUE	MBH	17,000	20.00	NO		8,353	8,353	8,353
	Prescriptive Change Steam Trap	TRUE	Projects	1.00	6.00	NO		394	394	394
	Steam Pipe Insulation	TRUE	Ln Ft.	887	15.00	NO		8,370	8,370	8,370
	Steam Pipe Insulation - Fitting	TRUE	Ln Ft.	125	15.00	NO		997	997	997
	Steam Pipe Insulation - Valve	TRUE	Ln Ft.	83.00	15.00	NO		2,637	2,637	2,637
	Steam Traps - HVAC Repair/Rep Low	FALSE	Each	601	6.00	NO	3,863,337	451,611	450,549	414,505
	Steam Traps - HVAC Repair/Rep Low	TRUE	Each	950	6.00	NO	5,977,793	698,735	697,140	697,140
	Steam Traps - Industrial Rep	FALSE	Each	36.00	6.00	NO	651,379	69,657	75,224	69,206

Program Category	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)
	Steam Traps - Industrial Rep	TRUE	Each	23.00	6.00	NO	357,037	41,614	42,822	42,822
	Storage Water Heater (Large)	TRUE	MBH	390	15.00	NO		271	271	271
Total or Weighted Average							22,776,439	2,856,034	2,984,954	2,834,104

Source: Evaluation team analysis.

Table 11. Verified Cost Effectiveness Inputs – NSG

Program Category	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)
C&I	Boiler Tune Up - Process	FALSE	MBH	61,720	2.00	NO		63,123	63,123	57,442
	Boiler Tune Up - Space Heating	FALSE	MBH	62,402	3.00	NO		29,550	29,550	26,891
	Steam Traps - HVAC Repair/Rep Low	FALSE	Each	434	6.00	NO	2,902,653	292,610	290,439	264,300
	Steam Traps - HVAC Repair/Rep Low	TRUE	Each	23.00	6.00	NO	153,827	17,982	17,940	17,940
	Steam Traps - Industrial Rep	FALSE	Each	20.00	6.00	NO	1,050,572	117,354	142,749	129,902
	Steam Traps - Industrial Rep	TRUE	Each	40.00	6.00	NO	1,724,147	164,519	192,297	192,297
Public	Boiler Tune Up - Process	FALSE	MBH	114,752	2.00	NO		117,361	117,361	107,972
	Boiler Tune Up - Space Heating	FALSE	MBH	41,400	3.00	NO		10,100	10,100	9,292
	Linkageless Boiler Controls for Space Heating	FALSE	MBH	5,000	20.00	NO		3,285	3,285	3,022
	Steam Traps - HVAC Repair/Rep Low	TRUE	Each	27.00	6.00	NO	180,580	21,109	21,060	21,060
Total or Weighted Average							6,011,778	836,994	887,904	830,117

Source: Evaluation team analysis