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| Small Business Impact Evaluation Report  Energy Efficiency Plan: Program Year 2024  (1/1/2024-12/31/2024) | | | | | | | |
| Prepared for:  Nicor Gas Company  DRAFT  April 18, 2025 | | | | | | | |
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# Introduction

This report presents the results of the impact evaluation of the Nicor Gas 2024 Small Business Energy Efficiency program (SBEEP) and a summary of the energy impacts for the total program, as well as relevant measures and program structure details. The appendix presents the Illinois total resource cost (TRC) inputs. Program year 2024 covers January 1, 2024 through December 31, 2024.

# Program Description

The SBEEP program is designed to assist qualified Nicor Gas non-residential customers to achieve natural gas energy savings through installation of direct-install (DI) energy efficiency measures, as well as prescriptive and custom incentives offered for select measures. The program targets both private sector and public sector customers.

The program had 454 participants in 2024 and completed 493 projects as shown in the following table.

Table 1. 2024 Volumetric Findings Detail

| Participation | Direct Install | Prescriptive | Custom | Total |
| --- | --- | --- | --- | --- |
| **Private Sector** |  |  |  |  |
| Participants \* | 122 | 310 | 8 | 440 |
| Installed Projects † | 122 | 348 | 9 | 479 |
| Measure Types Installed ‡ | 7 | 19 | 9 | 35 |
| **Public Sector** |  |  |  |  |
| Participants \* | 11 | 2 | 1 | 14 |
| Installed Projects † | 11 | 2 | 1 | 14 |
| Measure Types Installed ‡ | 1 | 1 | 1 | 3 |
| **Program 2024 Total** |  |  |  |  |
| Participants \* | 133 | 312 | 9 | 454 |
| Installed Projects † | 133 | 350 | 10 | 493 |
| Measure Types Installed ‡ | 8 | 20 | 10 | 38 |

\* Participants are defined as unique account numbers.

† Installed Projects are defined as unique project IDs.

‡ Measure types are defined as unique measures implemented by the program.

Source: Nicor Gas tracking data and evaluation team analysis

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

Table 2. 2024 Installed Measure Quantities

| Program Category | Program Path | Measure | Quantity Unit | Installed Quantity |
| --- | --- | --- | --- | --- |
| Private | Direct Install | Commercial Weather Stripping | Unit | 10 |
|  |  | DHW WH Pipe Wrap - DI | LN FT | 3 |
|  |  | Faucet Aerators - Bath - DI | Unit | 518 |
|  |  | Faucet Aerators - Kitchen - DI | Unit | 11 |
|  |  | Low Flow Shower Heads - DI | Unit | 5 |
|  |  | Spray Valve (Med Sized Restaurants)-DI | Unit | 4 |
|  |  | Spray Valve (Small Restaurants)-DI | Unit | 16 |
|  | Prescriptive | Boiler Tune Up, Process | Unit | 44 |
|  |  | Boiler Tune Up, Space Heating | Unit | 16 |
|  |  | Compressed Air Heat Recovery | Unit | 3 |
|  |  | Condensing Boilers, >90% | Unit | 17 |
|  |  | Fryer - E >50% | Unit | 9 |
|  |  | Furnace, >92% AFUE | Unit | 5 |
|  |  | Furnace, >95% AFUE | Unit | 28 |
|  |  | Grain Dryer Tune-up | Unit | 1 |
|  |  | Infrared Heaters | Unit | 7 |
|  |  | Overhead Garage Door Hinge | Unit | 8 |
|  |  | Ozone Laundry | Unit | 1 |
|  |  | Pipe Insulation, Indoor Hot Water DHW | LN FT | 50 |
|  |  | Pipe Insulation, Indoor HW Space Heat | LN FT | 560 |
|  |  | Pipe Insulation, Indoor MPS Process Heat | LN FT | 1,250 |
|  |  | Small Commercial Thermostat | Unit | 1 |
|  |  | Steam Trap, Commercial <15 psig | Unit | 6 |
|  |  | Steam Trap, Dry Cleaner | Unit | 1,707 |
|  |  | Steam Trap, Indust HP 75-125 psig | Unit | 13 |
|  |  | Tankless Water Heater, Commercial | Unit | 7 |
|  | Custom | Custom 2,500-7,500 therms | Unit | 7 |
|  |  | Custom > 7,500 therms | Unit | 2 |
| Public | Direct Install | Faucet Aerators - Bath - DI | Unit | 41 |
|  | Prescriptive | Condensing Boilers, >90% | Unit | 4 |
|  | Custom | Custom 2,500-7,500 therms | Unit | 1 |

Source: Nicor Gas tracking data and evaluation team analysis

# Program Savings Detail

Table 3 summarizes the energy savings the Small Business Energy Efficiency program achieved by path in 2024.

Table 3. 2024 Annual Energy Savings Summary

| Program Category | Program Path | Ex Ante Gross Savings (Therms) | | Verified Gross RR\* | Verified Gross Savings (Therms) | NTG† | Verified Net Savings (Therms) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Private, Non-Disadvantaged Communities | Direct Install | | 4,356 | 1.00 | 4,356 | 0.96 | 4,182 |
|  | Prescriptive | | 1,350,240 | 1.01 | 1,361,011 | 0.96 | 1,304,436 |
|  | Custom | | 31,263 | 0.66 | 20,644 | 0.96 | 19,818 |
| ***Private, Non-DAC Subtotal*** | | | ***1,385,859*** | ***1.00*** | ***1,386,011*** | ***0.96*** | ***1,328,436*** |
| Private, Disadvantaged Communities | Direct Install | | 2,510 | 1.00 | 2,510 | 1.00 | 2,510 |
|  | Prescriptive | | 159,568 | 1.01 | 160,556 | 1.00 | 160,556 |
|  | Custom | | 7,252 | 0.66 | 4,536 | 1.00 | 4,536 |
| ***Private, DAC Subtotal*** |  | | ***169,330*** | ***1.00*** | ***167,602*** | ***1.00*** | ***167,602*** |
| Public, Non-DAC | Direct Install | | 136 | 1.00 | 136 | 0.96 | 131 |
|  | Prescriptive | | 18,110 | 1.00 | 18,110 | 0.96 | 17,385 |
|  | Custom | | 3,820 |  | 4,027 | 0.96 | 3,866 |
| ***Public, Non-DAC Subtotal*** | | | ***22,066*** | ***1.01*** | ***22,273*** | ***0.96*** | ***21,382*** |
| Public, DAC | Direct Install | | 27.00 | 1.00 | 27.00 | 1.00 | 27.00 |
|  | Prescriptive | | 0 | 1.00 | 0 | 1.00 | 0 |
| ***Public, DAC Subtotal*** |  | | ***27.00*** | ***1.00*** | ***27.00*** | ***1.00*** | ***27.00*** |
| **Total** |  | | **1,577,282** | **1.00** | **1,575,913** | **0.96** | **1,517,447** |

\* 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/>. Based on SAG Policy, participants in disadvantaged communities (DAC) based on their census tract and with consumption under 35,000 Therms are assigned a NTG of 1.00.

Source: Evaluation team analysis

# Program Savings by Measure

The program includes 46 measures as shown in the following table. The boiler tune up and steam trap prescriptive contributed the most savings.

Table 4. 2024 Annual Energy Savings by Measure

| Program Category | Program Path | Savings Category | Ex Ante Gross Savings (Therms) | Verified Gross RR\* | Verified Gross Savings (Therms) | NTG† | Verified Net Savings (Therms) |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Private, Non-DAC | Direct Install | Commercial Weather Stripping | 62.00 | 1.00 | 62.00 | 0.96 | 59.00 |
|  |  | DHW WH Pipe Wrap - DI | 5.00 | 0.96 | 5.00 | 0.96 | 5.00 |
|  |  | Faucet Aerators - Bath - DI | 1,729 | 1.00 | 1,729 | 0.96 | 1,660 |
|  |  | Faucet Aerators - Kitchen - DI | 53.00 | 1.00 | 53.00 | 0.96 | 51.00 |
|  |  | Low Flow Shower Heads - DI | 54.00 | 1.00 | 54.00 | 0.96 | 51.00 |
|  |  | Spray Valve (Med Sized Restaurants)-DI | 712 | 1.00 | 712 | 0.96 | 684 |
|  |  | Spray Valve (Small Restaurants)-DI | 1,741 | 1.00 | 1,741 | 0.96 | 1,671 |
|  | Prescriptive | Boiler Tune Up, Process | 39,988 | 1.00 | 39,988 | 0.96 | 38,389 |
|  |  | Boiler Tune Up, Space Heating | 28,515 | 1.00 | 28,515 | 0.96 | 27,374 |
|  |  | Compressed Air Heat Recovery | 2,618 | 1.00 | 2,618 | 0.96 | 2,513 |
|  |  | Condensing Boilers, >90% | 18,503 | 1.18 | 20,156 | 0.96 | 19,349 |
|  |  | Fryer - E >50% | 13,346 | 1.00 | 13,336 | 0.80 | 10,669 |
|  |  | Furnace, >92% AFUE | 662 | 1.00 | 662 | 0.96 | 635 |
|  |  | Furnace, >95% AFUE | 5,194 | 1.01 | 5,245 | 0.96 | 5,035 |
|  |  | Grain Dryer Tune-up | 703 | 1.39 | 980 | 0.96 | 941 |
|  |  | Infrared Heaters | 894 | 1.00 | 894 | 0.96 | 858 |
|  |  | Overhead Garage Door Hinge | 293 | 1.00 | 292 | 0.96 | 281 |
|  |  | Ozone Laundry | 14,513 | 1.00 | 14,508 | 0.96 | 13,928 |
|  |  | Pipe Insulation, Indoor Hot Water DHW | 31.00 | 1.00 | 31.00 | 0.96 | 30.00 |
|  |  | Pipe Insulation, Indoor HW Space Heat | 392 | 1.00 | 391 | 0.96 | 376 |
|  |  | Pipe Insulation, Indoor MPS Process Heat | 20,838 | 1.00 | 20,761 | 0.96 | 19,930 |
|  |  | Steam Trap, Commercial <15 psig | 1,045 | 1.05 | 1,094 | 0.96 | 1,050 |
|  |  | Steam Trap, Dry Cleaner | 1,162,676 | 1.01 | 1,170,736 | 0.96 | 1,123,907 |
|  |  | Steam Trap, Indust HP 75-125 psig | 39,797 | 1.01 | 40,006 | 0.96 | 38,406 |
|  |  | Tankless Water Heater, Commercial | 235 | 3.41 | 798 | 0.96 | 766 |
|  | Custom | Custom 2,500-7,500 therms | 7,679 | 0.94 | 7,192 | 0.96 | 6,904 |
|  |  | Custom > 7,500 therms | 23,584 | 0.57 | 13,452 | 0.96 | 12,914 |
| ***Private, Non-DAC Subtotal*** | |  | ***1,385,861*** | ***1.00*** | ***1,386,011*** | ***0.96*** | ***1,328,436*** |
| Private, DAC | Direct Install | Commercial Weather Stripping | 41.00 | 1.00 | 41.00 | 1.00 | 41.00 |
|  |  | Faucet Aerators - Bath - DI | 1,119 | 1.00 | 1,119 | 1.00 | 1,119 |
|  |  | Faucet Aerators - Kitchen - DI | 4.00 | 1.00 | 4.00 | 1.00 | 4.00 |
|  |  | Spray Valve (Med Sized Restaurants)-DI | 237 | 1.00 | 237 | 1.00 | 237 |
|  |  | Spray Valve (Small Restaurants)-DI | 1,108 | 1.00 | 1,108 | 1.00 | 1,108 |
|  | Prescriptive | Boiler Tune Up, Process | 6,585 | 1.00 | 6,585 | 1.00 | 6,585 |
|  |  | Compressed Air Heat Recovery | 8,245 | 1.00 | 8,245 | 1.00 | 8,245 |
|  |  | Condensing Boilers, >90% | 882 | 1.00 | 882 | 1.00 | 882 |
|  |  | Fryer - E >50% | 2,738 | 1.00 | 2,736 | 1.00 | 2,736 |
|  |  | Furnace, >92% AFUE | 711 | 1.00 | 711 | 1.00 | 711 |
|  |  | Furnace, >95% AFUE | 2,561 | 1.02 | 2,604 | 1.00 | 2,604 |
|  |  | Infrared Heaters | 533 | 1.00 | 533 | 1.00 | 533 |
|  |  | Small Commercial Thermostat | 89.00 | 0.96 | 85.00 | 1.00 | 85.00 |
|  |  | Steam Trap, Dry Cleaner | 137,224 | 1.01 | 138,176 | 1.00 | 138,176 |
|  | Custom | Custom 2,500-7,500 therms | 7,252 | 63% | 4,536 | 1.00 | 4,536 |
| ***Private, DAC Subtotal*** | |  | ***169,328*** | ***1.00*** | ***167,602*** | ***1.00*** | ***167,602*** |
| Public, Non-DAC | Direct Install | Faucet Aerators - Bath - DI | 136 | 1.00 | 136 | 0.96 | 131 |
|  | Prescriptive | Condensing Boilers, >90% | 18,110 | 1.00 | 18,110 | 0.96 | 17,385 |
|  | Custom | Custom 2,500-7,500 therms | 3,820 | 1.05 | 4,027 | 0.96 | 3,866 |
| ***Public, Non-DAC Subtotal*** | |  | ***22,066*** | ***1.01*** | ***22,273*** | ***0.96*** | ***21,382*** |
| Public, DAC | Direct Install | Faucet Aerators - Bath - DI | 27.00 | 1.00 | 27.00 | 1.00 | 27.00 |
|  | Prescriptive |  | 0 |  | 0 |  | 0 |
| ***Public, DAC Subtotal*** | |  | ***27.00*** | ***1.00*** | ***27.00*** | ***1.00*** | ***27.00*** |
| **Total** |  |  | **1,577,282** | **1.00** | **1,575,913** |  | **1,517,447** |

Source: Evaluation team analysis

# Impact Analysis Findings and Recommendations

## Impact Parameter Estimates

Table 5 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%.

Table 5. Verified Gross Savings Parameters

| Measure | Unit Basis | Ex Ante Gross (therms/unit) | Verified Gross (therms/unit) | Realization Rate | Data Source(s) |
| --- | --- | --- | --- | --- | --- |
| Boiler Tune Up, Process | Unit | 1058.49 | 1058.49 | 100% | Illinois TRM, v12.0, Section 4.4.3 |
| Boiler Tune Up, Space Heating | Unit | 1782.17 | 1782.16 | 100% | Section 4.4.2 |
| Commercial Weather Stripping | Unit | 10.32 | 10.32 | 100% | Section 4.8.16 |
| Compressed Air Heat Recovery | Unit | 3620.92 | 3620.92 | 100% | Section 4.7.9 |
| Condensing Boilers, >90% | Unit | 1785.46 | 1864.15 | 113% | Section 4.4.10 |
| DHW WH Pipe Wrap - DI | LN FT | 1.79 | 1.72 | 96% | Section 4.4.24 |
| Faucet Aerators - Bath - DI | Unit | 5.39 | 5.39 | 100% | Section 4.3.2 |
| Faucet Aerators - Kitchen - DI | Unit | 5.19 | 5.19 | 100% | Section 4.3.2 |
| Fryer - E >50% | Unit | 1787.05 | 1785.82 | 100% | Section 4.2.7 |
| Furnace, >92% AFUE | Unit | 274.5 | 274.5 | 100% | Section 4.4.11 |
| Furnace, >95% AFUE | Unit | 276.96 | 280.32 | 101% | Section 4.4.11 |
| Grain Dryer Tune-up | Unit | 702.74 | 980 | 139% | Section 4.1.15 |
| Infrared Heaters | Unit | 203.77 | 203.77 | 100% | Section 4.4.12 |
| Low Flow Shower Heads - DI | Unit | 10.73 | 10.73 | 100% | Section 4.3.3 |
| Overhead Garage Door Hinge | Unit | 36.56 | 36.56 | 100% | Section 4.8.12 |
| Ozone Laundry | Unit | 14512.87 | 14508 | 100% | Section 4.3.6 |
| Pipe Insulation, Indoor Hot Water DHW | LN FT | 0.62 | 0.62 | 100% | Section 4.4.14 |
| Pipe Insulation, Indoor HW Space Heat | LN FT | 0.7 | 0.7 | 100% | Section 4.4.14 |
| Pipe Insulation, Indoor MPS Process Heat | LN FT | 16.67 | 16.61 | 100% | Section 4.4.14 |
| Small Commercial Thermostat | Unit | 89.03 | 85.47 | 96% | Section 4.4.48 |
| Spray Valve (Med Sized Restaurants)-DI | Unit | 237.41 | 237.41 | 100% | Section 4.2.11 |
| Spray Valve (Small Restaurants)-DI | Unit | 178.06 | 178.06 | 100% | Section 4.2.11 |
| Steam Trap, Commercial <15 psig | Unit | 174.24 | 182.27 | 105% | Section 4.4.16 |
| Steam Trap, Dry Cleaner | Unit | 761.51 | 766.79 | 101% | Section 4.4.16 |
| Steam Trap, Indust HP 75-125 psig | Unit | 3061.29 | 3077.38 | 101% | Section 4.4.16 |
| Tankless Water Heater, Commercial | Unit | 33.52 | 113.97 | 341% | Section 4.3.1 |
| Custom 2,500-7,500 therms | Unit | 2,343.88 | 2,258 | 96% | Project File Review, Monthly Billing Data,‡ |
| Custom > 7,500 therms | Unit | 11,792 | 6,726.5 | 57% | Project File Review, Monthly Billing Data‡ |

\* 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.

‡ Project files and monthly billing data provided by Nicor Gas.

## Findings and Recommendations

**Finding 1.** The overall verified gross realization rate (RR) for condensing boilers >90% is 104%. There were 21 measure entries in the tracking data, 15 of which produced RR of 100%, but the other six had varying RR values. Evaluation used the appropriate IL TRM v12 energy savings algorithm default values and the inputs provided in the program tracking to calculate the verified RRs.

**Finding 2.** The verified gross RR for Small Commercial Thermostats is 96%, for Steam Trap Commercial <15 psig is 105%. The Grain Dryer Tune Up gross RR is 139%. The evaluation team followed the IL TRM v12 energy savings algorithm using default values and inputs from the program tracking data.

**Recommendation 1.** Ensure the inputs provided in the tracking data are applied correctly to ex ante savings calculations for every measure. Provide additional notes wherever custom inputs are used other than what are provided in the tracking data or in the TRM.

**Finding 3.** The overall verified gross RR for Tankless Water Heater is 340%. Seven measures were installed from four projects. The evaluation team used the hot water storage tank methodology from the TRM v12 and the inputs provided in the program tracking to calculate verified savings. Evaluation could not identify the source of the ex ante savings discrepancy.

**Recommendation 2.** Ensure the IL TRM default values are correctly applied to ex ante savings calculations for Tankless Water Heater measures.

**Finding 4.** A total of 10 custom projects had an overall realization rate of 69%. Five projects had a realization rate of 100%. Three projects had a realization rate of 0%, 12%, and 105%. For these projects, the evaluation team noted that inaccurate efficiency values were used in the ex ante calculation. For NG-24-56, adjustment in baseline unit turndown ratio resulted in a 36% realization rate. For NG-24-83, a realization rate of 36% was calculated by the evaluation team. In this case, the regression analysis used was limited to a very short period and did not fully use available data.

**Recommendation 3.** For custom projects, ensure that full documentation are provided to support ex ante savings calculations, and the accurate key inputs and parameters are used in the calculators. In performing regression analysis, ensure that verifiable data set are used.

Table 5. Custom Projects Verified Gross Realization Rates

| Size | Project Number | Ex Ante Gross Savings | Verified Gross Savings | RR | Findings Summary |
| --- | --- | --- | --- | --- | --- |
| Custom > 7,500 therms | NG-23-17 | 7,834 | 7,834 | 100% | OK |
|  | NG-24-83 | 15,750 | 5,618 | 36% | Pre-installation regression analysis was limited to a very short time-period. Adjusted the baseline start date in the custom lite tool to cover full scope for projects NG-24-83. |
| 2,500-7,500 therms | NG-23-27 | 3,232 | 3,232 | 100% | OK |
| NG-23-40 | 4,146 | 4,146 | 100% | OK |
| NG-24-20 | 2,045 | 2,045 | 100% | OK |
| NG-24-29 | 936 | 936 | 100% | OK |
| NG-24-35 | 552 | 65 | 12% | The baseline efficiency is updated from the existing equipment efficiency to 80% based on IL-TRM. |
| NG-24-56 | 3,613 | 1,304 | 36% | The baseline system has a modulating boiler control panel installed, which indicates a burner with a minimum of 2:1 turndown instead of a turndown of 1. |
| NGPS-24-11 | 3,820 | 4,027 | 105% | Based on the IL TRM, the baseline efficiency for Hot Water Boiler that ranges from >2,500,00 Btu/h and <= 10,000,000 Btu/h is 85%.  The efficiency of the SC-4000 boiler is 96% from the spec sheet. |
| NG-24-26 | 407 | 0 | 0% | Efficiency for installed system is unsupported and not consistent with direct fired system operation. Since the replacement is a like-to-like replacement, no savings identified. |

Source: Evaluation team analysis

**Finding 5.** Custom Lite Analysis Tool is used for utility data analysis for small business custom projects. The current version of this tool applies Typical Meteorological Year, version 3 (TMY3) weather data. However, IL-TRM has switched from using TMY3 weather data to National Centers for Environmental Information (NCEI) 15-year weather data averages.

**Recommendation 4.** Instead of using TMY3 weather data in the building consumption analysis, we recommend updating the Custom Lite Analysis Tool to use NCEI 15-year weather data averages, to be consistent with IL TRM approach.

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

Table A‑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 A‑1. Verified Cost Effectiveness Inputs

| 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) |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Private | Direct Install | Commercial Weather Stripping | FALSE | Unit | 6 | 10.00 | NO |  | 62.00 | 62.00 | 59.00 |
|  |  | DHW WH Pipe Wrap - DI | FALSE | LN FT | 3 | 15.00 | NO |  | 5.00 | 5.00 | 5.00 |
|  |  | Faucet Aerators - Bath - DI | FALSE | Unit | 297 | 10.00 | NO | 392,970 | 1,729 | 1,729 | 1,660 |
|  |  | Faucet Aerators - Kitchen - DI | FALSE | Unit | 10 | 10.00 | NO | 9,996 | 53.00 | 53.00 | 51.00 |
|  |  | Low Flow Shower Heads - DI | FALSE | Unit | 5 | 10.00 | NO | 8,512 | 54.00 | 54.00 | 51.00 |
|  |  | Spray Valve (Med Sized Restaurants)-DI | FALSE | Unit | 3 | 5.00 | NO | 97,718 | 712 | 712 | 684 |
|  |  | Spray Valve (Small Restaurants)-DI | FALSE | Unit | 10 | 5.00 | NO | 238,867 | 1,741 | 1,741 | 1,671 |
|  |  | Commercial Weather Stripping | TRUE | Unit | 4 | 10.00 | NO |  | 41.00 | 41.00 | 41.00 |
|  |  | Faucet Aerators - Bath - DI | TRUE | Unit | 221 | 10.00 | NO | 254,290 | 1,119 | 1,119 | 1,119 |
|  |  | Faucet Aerators - Kitchen - DI | TRUE | Unit | 1 | 10.00 | NO | 769 | 4.00 | 4.00 | 4.00 |
|  |  | Spray Valve (Med Sized Restaurants)-DI | TRUE | Unit | 1 | 5.00 | NO | 32,573 | 237 | 237 | 237 |
|  |  | Spray Valve (Small Restaurants)-DI | TRUE | Unit | 6 | 5.00 | NO | 152,006 | 1,108 | 1,108 | 1,108 |
|  | Prescriptive | Boiler Tune Up, Process | FALSE | Unit | 40 | 2.00 | NO |  | 39,988 | 39,988 | 38,389 |
|  |  | Boiler Tune Up, Space Heating | FALSE | Unit | 16 | 3.00 | NO |  | 28,515 | 28,515 | 27,374 |
|  |  | Compressed Air Heat Recovery | FALSE | Unit | 1 | 15.00 | NO |  | 2,618 | 2,618 | 2,513 |
|  |  | Condensing Boilers, >90% | FALSE | Unit | 15 | 25.00 | NO |  | 18,503 | 20,156 | 19,349 |
|  |  | Fryer - E >50% | FALSE | Unit | 8 | 12.00 | NO |  | 13,346 | 13,336 | 10,669 |
|  |  | Furnace, >92% AFUE | FALSE | Unit | 3 | 16.00 | NO |  | 662 | 662 | 635 |
|  |  | Furnace, >95% AFUE | FALSE | Unit | 19 | 16.00 | NO |  | 5,194 | 5,245 | 5,035 |
|  |  | Grain Dryer Tune-up | FALSE | Unit | 1 | 1.00 | NO |  | 703 | 980 | 941 |
|  |  | Infrared Heaters | FALSE | Unit | 4 | 15.00 | NO |  | 894 | 894 | 858 |
|  |  | Overhead Garage Door Hinge | FALSE | Unit | 8 | 20.00 | NO |  | 293 | 292 | 281 |
|  |  | Ozone Laundry | FALSE | Unit | 1 | 10.00 | NO | 279,291 | 14,513 | 14,508 | 13,928 |
|  |  | Pipe Insulation, Indoor Hot Water DHW | FALSE | LN FT | 50 | 15.00 | NO |  | 31.00 | 31.00 | 30.00 |
|  |  | Pipe Insulation, Indoor HW Space Heat | FALSE | LN FT | 560 | 15.00 | NO |  | 392 | 391 | 376 |
|  |  | Pipe Insulation, Indoor MPS Process Heat | FALSE | LN FT | 1250 | 15.00 | NO |  | 20,838 | 20,761 | 19,930 |
|  |  | Steam Trap, Commercial <15 psig | FALSE | Unit | 6 | 6.00 | NO | 9,412 | 1,045 | 1,094 | 1,050 |
|  |  | Steam Trap, Dry Cleaner | FALSE | Unit | 1531 | 6.00 | NO | 9,762,279 | 1,162,675 | 1,170,736 | 1,123,907 |
|  |  | Steam Trap, Indust HP 75-125 psig | FALSE | Unit | 13 | 6.00 | NO | 332,958 | 39,797 | 40,006 | 38,406 |
|  |  | Tankless Water Heater, Commercial | FALSE | Unit | 7 | 20.00 | NO |  | 235 | 798 | 766 |
|  |  | Boiler Tune Up, Process | TRUE | Unit | 4 | 2.00 | NO |  | 6,585 | 6,585 | 6,585 |
|  |  | Compressed Air Heat Recovery | TRUE | Unit | 2 | 15.00 | NO |  | 8,245 | 8,245 | 8,245 |
|  |  | Condensing Boilers, >90% | TRUE | Unit | 2 | 25.00 | NO |  | 882 | 882 | 882 |
|  |  | Fryer - E >50% | TRUE | Unit | 1 | 12.00 | NO |  | 2,738 | 2,736 | 2,736 |
|  |  | Furnace, >92% AFUE | TRUE | Unit | 2 | 16.00 | NO |  | 711 | 711 | 711 |
|  |  | Furnace, >95% AFUE | TRUE | Unit | 9 | 16.00 | NO |  | 2,561 | 2,604 | 2,604 |
|  |  | Infrared Heaters | TRUE | Unit | 3 | 15.00 | NO |  | 533 | 533 | 533 |
|  |  | Small Commercial Thermostat | TRUE | Unit | 1 | 11.00 | NO |  | 89.00 | 85.00 | 85.00 |
|  |  | Steam Trap, Dry Cleaner | TRUE | Unit | 176 | 6.00 | NO | 1,152,189 | 137,223 | 138,176 | 138,176 |
|  | Custom | Custom 2,500-7,500 therms | FALSE | Unit | 4 | 15.00 | NO |  | 7,679 | 7,192 | 6,904 |
|  |  | Custom 2,500-7,500 therms | TRUE | Unit | 3 | 15.00 | NO |  | 7,252 | 4,536 | 4,536 |
|  |  | Custom > 7,500 therms | FALSE | Unit | 2 | 20.00 | NO |  | 23,584 | 13,452 | 12,914 |
| Public | Direct Install | Faucet Aerators - Bath - DI | FALSE | Unit | 33 | 10.00 | NO | 30,909 | 136 | 136 | 131 |
|  |  | Faucet Aerators - Bath - DI | TRUE | Unit | 8 | 10.00 | NO | 6,151 | 27.00 | 27.00 | 27.00 |
|  | Prescriptive | Condensing Boilers, >90% | FALSE | Unit | 4 | 25.00 | NO |  | 18,110 | 18,110 | 17,385 |
|  | Custom | Custom 2,500-7,500 therms | FALSE | Unit | 1 | 15.00 | NO |  | 3,820 | 4,027 | 3,866 |
| **Total or Weighted Average** |  |  |  |  |  | **6.88** |  | **12,760,890** | **1,577,282** | **1,575,913** | **1,517,447** |

Source: Evaluation team analysis