

# ComEd Small Business Program Impact Evaluation Report

Energy Efficiency/Demand Response Plan: Program Year 2023 (CY2023) (1/1/2023-12/31/2023)

Prepared for:

ComEd

## **FINAL**

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Prepared by:

Sophie Berne Guidehouse

Yeab Lakew Guidehouse Charles Ampong Guidehouse

Mike Frischmann Ecometric



guidehouse.com



Submitted to:

ComEd 2011 Swift Drive Oak Brook, IL 60523

Submitted by:

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

#### Contact:

Charles Maglione, Partner 703.431.1983 cmaglione@guidehouse.com

Jeff Erickson, Director 608.616.4962 jeff.erickson@guidehouse.com Nishant Mehta, Associate Director 608.616.5823

nishant.mehta@guidehouse.com

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### Introduction

This report presents the results of the impact evaluation of the Small Business program from the program year from January 1 to December 31, 2023 (CY2023). The program was designed to assist qualified ComEd private and public sector non-residential customers<sup>1</sup> in achieving electric energy savings. The program educates these customers about energy efficiency opportunities through no-cost onsite energy assessments conducted by authorized, specially trained Energy Efficiency Service Providers (EESPs) and installs no-cost direct install measures. <sup>2</sup> Further savings are available to participating customers through incentives of 30%-75% offered for select contractor-installed measures.<sup>3</sup>

## **Program Savings Detail**

Table 1 summarizes the incremental energy and demand savings the Small Business Program achieved in CY2023. The gas or other fuel savings reported are only those that ComEd may be able to claim as this is a non-joint program.<sup>4</sup>

CY2021 Net CY2022 Net Program Net-to-Program Gross Ex Ante Gross Verified Gross Verified Net Savings Category Units . Gross Ratio Carryover Carryover Realization Rate Savings\* Savings' Savings1 (NTG) Savings Electric Energy 232,555,032 kWh 232,510,311 1 00 0.98 900,242 155,977 227,894,346 Savings - Direct‡ Electric Energy Savings -1.01 0.99 kWh 8.346.650 8.468.725 8.383.456 Converted from Other Electric Energy Savings kWh Electrification|| Total Electric Energy kWh 240.856.961 1.00 241.023.757 0.98 900.242 155.977 236.277.802 Savings# Total Electric Energy kWh 240,856,961 1.01 242,117,774 0.98 900,242 155,977 236,277,802 Savings Including Carryover# Summer Peak\*† kW 44,719 1.00 44,722 0.98 43,628 **Demand Savings** Summer Peak\*† kW 44,719 1.01 44,991 0.98 225 35 43,888 Demand Savings Including Carryover

**Table 1. Total Annual Incremental Electric Savings - Total** 

N/A = not applicable (refers to a piece of data that cannot be produced or does not apply).

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<sup>&</sup>lt;sup>1</sup> Participants must be ComEd commercial or industrial customers with monthly peak demand levels up to 200 kW for private businesses and 400 kW for the public sector in CY2022. In CY2023 – CY2025, commercial or industrial private business customers with monthly peak demand levels up to 400 kWh will be eligible to align with public sector customer eligibility.

<sup>&</sup>lt;sup>2</sup> No-cost direct install measures include low flow showerheads and faucet aerators, pre-rinse spray valves, power strips, and controls for novelty coolers, beverage machines, and snack machines. The program also offers kits consisting of a variety of measures including lighting (BR30, PAR30, and candelabra lamps), hot water (bathroom and kitchen aerators, pre-rinse spray valves, and low flow showerheads), and consumer electronics (smart sockets) for fire stations, the general public, or private facilities and restaurants. Kits are offered to customers in CY2022 and will be discontinued in CY2023 – CY2025.

<sup>&</sup>lt;sup>3</sup> Incented measures may include LED retrofits and fixtures, lighting controls, VSDs and HVAC system components, electric water heaters, refrigeration system components, commercial kitchen equipment, compressed air system measures, smart thermostats, and building envelope measures.

<sup>&</sup>lt;sup>4</sup> The evaluation will determine which other fuel savings will be counted toward goal while producing the portfoliowide Summary Report. According to Section 8-103B(b-25) of the Illinois Public Utilities Act, "In no event shall more than 10% of each year's applicable annual total savings requirement as defined in paragraph (7.5) of subsection (g) of this Section be met through savings of fuels other than electricity."



- \* The "Ex Ante Gross Savings" and "Verified Gross Savings" in row one (Electric Energy Savings Direct) and row six (Summer Peak Demand Savings) exclude gross carryover savings from CY2021 and CY2022.
- † The "Verified Net Savings" in row one and row six include net carryover savings from CY2021 and CY2022.

  ‡ The Electric Energy Savings Direct includes primary kWh savings from efficient measures (includes efficiency savings from electrification measures but excludes the electrification savings, however there are no electrification measures in this program), secondary kWh savings from wastewater treatment, and electric heating penalties.

  § Gas savings converted to kWh by multiplying Therms \* 29.31 (which is based on 100,000 Btu/Therm and 3,412 Btu/kWh) and/or propane savings converted to kWh by multiplying Gallons \* 26.77 (which is based on 91,333 Btu/Gallon and 3,412 Btu/kWh). The evaluation team will determine which other fuel savings will be converted to kWh and counted toward ComEd's electric savings goal while producing the portfolio-wide Summary Report.
- || Electrification savings excluding direct efficiency savings. Calculated from net electric savings from increase in kWh consumption and decrease in gas consumption from electrification (kWh equivalent).
- # Total Electric Energy Savings is the sum of the Electric Energy Savings Direct, the Electric Energy Savings Converted from Other Fuel, and the Electrification Savings. Note: This row does not include carryover gross savings, but the next one includes carryover verified gross savings, for the purpose of recalculating the gross realization rate resulting from including carryover savings (same for the peak demand savings).
- \*† The Peak Demand Savings are savings occurring at coincident Summer Peak period, defined as 1:00-5:00 PM Central Prevailing Time on non-holiday weekdays, June through August. This definition is in accordance with PJM requirement.

Note: The program-level NTG values are calculated as Verified Net/Verified Gross. The program-level analysis typically used measure-level deemed NTG values, which are listed here: https://www.ilsag.info/evaluator-ntg-recommendations-for-2023.

Source: Evaluation team analysis

Figure 1 shows the electric energy savings by measure end use. It includes measure efficiency savings, carryover kWh, secondary water kWh, and electrification savings. It does not include other fuel savings converted to kWh.

End Use Type

Lighting

Refrigeration

HVAC

Miscellaneous

Compressed Air

Carryover

Hot Water

Food Service Equipment

Figure 1. Verified Net Savings by Measure - Electric

Source: Evaluation team analysis

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## **Cumulative Persisting Annual Savings**

Table 2 to Table 4 show the cumulative persisting annual savings (CPAS) for the measures installed in CY2023. The electric CPAS across all measures installed in 2023 is shown in Table 2. The gas and other fuel contribution to CPAS (converted to equivalent electricity) are shown in Table 3.5 The combined savings are shown in Table 4.

Table 2. CPAS - Electric

|   | CPAS Verified Net kWh Savings   |                                |             |             |             |             |               |               |               |               |               |               |               |
|---|---------------------------------|--------------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|
| Savings Category                              | Verified Gross<br>Savings (kWh) | Lifetime Net<br>Savings (kWh)† | 2018        | 2019        | 2020        | 2021        | 2022          | 2023          | 2024          | 2025          | 2026          | 2027          | 2028          |
| CY2023 Program Total Contribution to CPAS     | 233,649,049                     | 2,902,350,098                  | =           | _           |             | _           | _             | 227,894,346   | 227,861,072   | 227,005,299   | 222,331,561   | 218,441,791   | 212,305,008   |
| Historic Program Total Contribution to CPAS‡  |                                 |                                | 196,963,232 | 329,370,837 | 536,386,617 | 751,380,221 | 1,000,715,528 | 988,569,498   | 937,550,153   | 918,067,015   | 890,000,038   | 875,675,200   | 833,795,536   |
| Program Total CPAS                            | 233,649,049                     | 2,902,350,098                  | 196,963,232 | 329,370,837 | 536,386,617 | 751,380,221 | 1,000,715,528 | 1,216,463,844 | 1,165,411,225 | 1,145,072,314 | 1,112,331,598 | 1,094,116,990 | 1,046,100,543 |
| CY2023 Program Incremental Expiring Savings§  |                                 |                                |             |             |             |             |               |               | 33,274        | 855,773       | 4,673,738     | 3,889,770     | 6,136,783     |
| Historic Program Incremental Expiring Savings |                                 |                                |             |             |             |             |               | 12,146,030    | 51,019,345    | 19,483,138    | 28,066,978    | 14,324,838    | 41,879,664    |
| Program Total Incremental Expiring Savings#   |                                 |                                |             |             |             |             |               | 12,146,030    | 51,052,619    | 20,338,910    | 32,740,716    | 18,214,608    | 48,016,447    |
|   | ·                               | ·                              |             | ·           | ·           |             |               |               |               |               |               |               |               |
|   | Verified Gross                  | Lifetime Net                   |             |             |             |             |               |               |               |               |               |               |               |

| Savings Category                              | Verified Gross  | Lifetime Net<br>Savings (kWh)† | 2029          | 2030        | 2031        | 2032        | 2033        | 2034        | 2035        | 2036        | 2037        | 2038        | 2039   |
|---|-----------------|--------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|--------|
| Savings Category                              | Savings (KVVII) | Savings (KVVII)                | 2029          | 2030        | 2031        | 2032        | 2033        | 2034        | 2033        | 2030        | 2037        | 2030        | 2039   |
| CY2023 Program Total Contribution to CPAS     | 233,649,049     | 2,902,350,098                  | 211,657,514   | 210,859,628 | 208,863,706 | 204,709,909 | 191,246,950 | 166,328,411 | 139,128,223 | 123,262,938 | 110,445,014 | 873         | 873    |
| Historic Program Total Contribution to CPAS‡  |                 |                                | 817,126,753   | 683,611,616 | 605,801,741 | 501,300,509 | 406,467,394 | 252,299,159 | 178,891,059 | 90,368,865  | 84,332      | 73,486      | 59,605 |
| Program Total CPAS                            | 233,649,049     | 2,902,350,098                  | 1,028,784,267 | 894,471,244 | 814,665,447 | 706,010,418 | 597,714,344 | 418,627,570 | 318,019,281 | 213,631,803 | 110,529,346 | 74,359      | 60,478 |
| CY2023 Program Incremental Expiring Savings§  |                 |                                | 647,494       | 797,886     | 1,995,922   | 4,153,797   | 13,462,960  | 24,918,539  | 27,200,188  | 15,865,285  | 12,817,924  | 110,444,141 | 0      |
| Historic Program Incremental Expiring Savings |                 |                                | 16,668,783    | 133,515,137 | 77,809,875  | 104,501,232 | 94,833,115  | 154,168,235 | 73,408,100  | 88,522,193  | 90,284,533  | 10,846      | 13,881 |
| Program Total Incremental Expiring Savings#   |                 |                                | 17,316,277    | 134,313,023 | 79,805,797  | 108,655,029 | 108,296,074 | 179,086,774 | 100,608,289 | 104,387,478 | 103,102,457 | 110,454,987 | 13,881 |

| Savings Category                              | Verified Gross<br>Savings (kWh) | Lifetime Net<br>Savings (kWh)† | 2040   | 2041   | 2042  | 2043 | 2044 | 2045 | 2046 | 2047 | 2048 | 2049 | 2050 |
|---|---------------------------------|--------------------------------|--------|--------|-------|------|------|------|------|------|------|------|------|
| CY2023 Program Total Contribution to CPAS     | 233,649,049                     | 2,902,350,098                  | 873    | 873    | 873   | 873  | 873  | 873  | 873  | 873  | 0    | 0    | 0    |
| Historic Program Total Contribution to CPAS‡  |                                 |                                | 39,056 | 1,724  | 0     | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Program Total CPAS                            | 233,649,049                     | 2,902,350,098                  | 39,929 | 2,597  | 873   | 873  | 873  | 873  | 873  | 873  | 0    | 0    | 0    |
| CY2023 Program Incremental Expiring Savings§  |                                 |                                | 0      | 0      | 0     | 0    | 0    | 0    | 0    | 0    | 873  | 0    | 0    |
| Historic Program Incremental Expiring Savings |                                 |                                | 20,549 | 37,332 | 1,724 | 0    | 0    | 0    | 0    | 0    | 0    | 0    | 0    |
| Program Total Incremental Expiring Savings#   |                                 |                                | 20,549 | 37,332 | 1,724 | 0    | 0    | 0    | 0    | 0    | 873  | 0    | 0    |

- † Lifetime savings are the sum of CPAS savings through the EUL.
- ‡ Historical savings go back to CY2018.
- § Incremental expiring savings are equal to CPAS Yn-1 CPAS Yn.
- || Historic incremental expiring savings are equal to Historic CPAS Yn-1 Historic CPAS Yn.
- # Program total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

Source: Evaluation team analysis

Table 3. CPAS - Other Fuel (Gas + Propane)

| CPAS Verified Net Therms Savings   |  |   |  |  |  |   |   |  |  |   |  |   |  |
|------------------------------------|--|---|--|--|--|---|---|--|--|---|--|---|--|
| Verified Gross<br>Savings (Therms) | Lifetime Net<br>Savings†                 | 2018  | 2019   | 2020   | 2021   | 2022  | 2023  | 2024   | 2025   | 2026  | 2027   | 2028  |  |
| 288,936                            | 2,665,304                                |   | _  |  |  |   | 286,027   | 286,027  | 286,027  | 286,027   | 286,027  | 239,537   |  |
| 8,468,725                          |  |   |  |  |  |   | 8,383,456   | 8,383,456  | 8,383,456  | 8,383,456   | 8,383,456  | 7,020,832   |  |
|                                    |  | 9,794,779   | 21,307,759   | 33,883,907   | 44,421,953   | 67,338,340  | 66,806,862  | 66,223,283   | 65,960,213   | 65,464,818  | 64,396,017   | 58,296,241  |  |
| 8,468,725                          | 0  | 9,794,779   | 21,307,759   | 33,883,907   | 44,421,953   | 67,338,340  | 75,190,318  | 74,606,740   | 74,343,670   | 73,848,274  | 72,779,473   | 65,317,073  |  |
|                                    |  |   |  |  |  |   |   | 0  | 0  | 0   | 0  | 46,490  |  |
|                                    |  |   |  |  |  |   |   | 0  | 0  | 0   | 0  | 1,362,624   |  |
|                                    |  |   |  |  |  |   | 531,478   | 583,579  | 263,070  | 495,396   | 1,068,801  | 6,099,776   |  |
|                                    |  |   |  |  |  |   | 531,478   | 583,579  | 263,070  | 495,396   | 1,068,801  | 7,462,400   |  |
|                                    | Savings (Therms)<br>288,936<br>8,468,725 | Savings (Therms)         Savings†           288,936         2,665,304           8,468,725 | Savings (Therms)         Savings†         2018           288,936         2,665,304           8,468,725         9,794,779 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019           288,936         2,665,304         9,794,779         21,307,759 | Verified Gross<br>Savings (Therms)         Lifetime Net<br>Savings†         2018         2019         2020           288,936<br>8,468,725         2,665,304         5         5         5         5         6         7,794,779         21,307,759         33,883,907         33,883,907 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019         2020         2021           288,936         2,665,304         5         5         5         44,421,953           8,468,725         9,794,779         21,307,759         33,883,907         44,421,953 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019         2020         2021         2022           288,936         2,665,304         5         5         5         5         67,338,340           8,468,725         9,794,779         21,307,759         33,883,907         44,421,953         67,338,340 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019         2020         2021         2022         2023           288,936         2,665,304         286,027         286,027         8,468,725         8,383,456         8,383,456         8,383,456         67,338,340         66,806,862         66,806,862         66,806,862         67,338,340         75,190,318         75,190 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019         2020         2021         2022         2023         2024           288,936         2,665,304 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019         2020         2021         2022         2023         2024         2025           288,936         2,665,304 | Verified Gross Savings (Therms)         Lifetime Net Savings†         2018         2019         2020         2021         2022         2023         2024         2025         2026           288,936         2,665,304 | Verified Gross Savings†         Lifetime Net Savings†         2018         2019         2020         2021         2022         2023         2024         2025         2026         2027           288,936         2,665,304 |  |

| Savings Category   | Verified Gross<br>Savings (Therms) | Lifetime Net<br>Savings† | 2029      | 2030      | 2031      | 2032      | 2033      | 2034  | 2035  | 2036  | 2037  | 2038  | 2039  |
|--|------------------------------------|--------------------------|-----------|-----------|-----------|-----------|-----------|-------|-------|-------|-------|-------|-------|
| CY2023 Program Total Other Fuel Contribution to CPAS (Therms)          | 288,936                            | 2,665,304                | 239,537   | 239,537   | 239,487   | 232,388   | 42,560    | 152   | 152   | 152   | 152   | 152   | 152   |
| CY2023 Program Total Other Fuel Contribution to CPAS (kWh Equivalent)‡ | 8,468,725                          |                          | 7,020,832 | 7,020,832 | 7,019,364 | 6,811,287 | 1,247,426 | 4,444 | 4,444 | 4,444 | 4,444 | 4,444 | 4,444 |

<sup>5</sup> The Small Business program had only natural gas as other fuel savings.

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| Savings Category   | Verified Gross<br>Savings (Therms) | Lifetime Net<br>Savings† | 2029       | 2030       | 2031       | 2032       | 2033       | 2034      | 2035      | 2036    | 2037    | 2038    | 2039    |
|--|------------------------------------|--------------------------|------------|------------|------------|------------|------------|-----------|-----------|---------|---------|---------|---------|
| Historic Program Total Other Fuel Contribution to CPAS (kWh Equivalent)§   | -                                  | -                        | 49,532,548 | 41,400,929 | 31,625,231 | 10,857,792 | 3,430,597  | 3,430,597 | 925,570   | 909,018 | 909,018 | 197,513 | 197,513 |
| Program Total Other Fuel CPAS (kWh Equivalent)                             | 8,468,725                          | 0                        | 56,553,380 | 48,421,761 | 38,644,596 | 17,669,079 | 4,678,023  | 3,435,041 | 930,014   | 913,462 | 913,462 | 201,957 | 201,957 |
| CY2023 Program Incremental Expiring Other Fuel Savings (Therms)            |                                    |                          | 0          | 0          | 50         | 7,099      | 189,828    | 42,408    | 0         | 0       | 0       | 0       | 0       |
| CY2023 Program Incremental Expiring Other Fuel Savings (kWh Equivalent)    |                                    |                          | 0          | 0          | 1,467      | 208,078    | 5,563,861  | 1,242,982 | 0         | 0       | 0       | 0       | 0       |
| Historic Program Incremental Expiring Other Fuel Savings (kWh Equivalent)# |                                    |                          | 8,763,693  | 8,131,619  | 9,775,698  | 20,767,439 | 7,427,195  | 0         | 2,505,027 | 16,552  | 0       | 711,505 | 0       |
| Program Total Incremental Expiring Other Fuel Savings (kWh Equivalent)*†   |                                    |                          | 8,763,693  | 8,131,619  | 9,777,165  | 20,975,516 | 12,991,056 | 1,242,982 | 2,505,027 | 16,552  | 0       | 711,505 | 0       |

| Savings Category   | Verified Gross<br>Savings (Therms) | Lifetime Net<br>Savings† | 2040    | 2041    | 2042  | 2043  | 2044  | 2045  | 2046  | 2047  | 2048  | 2049 | 2050 |
|--|------------------------------------|--------------------------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------|------|
| CY2023 Program Total Other Fuel Contribution to CPAS (Therms)              | 288,936                            | 2,665,304                | 152     | 152     | 152   | 152   | 152   | 152   | 152   | 152   | 0     | 0    | 0    |
| CY2023 Program Total Other Fuel Contribution to CPAS (kWh Equivalent)‡     | 8,468,725                          |                          | 4,444   | 4,444   | 4,444 | 4,444 | 4,444 | 4,444 | 4,444 | 4,444 | 0     | 0    | 0    |
| Historic Program Total Other Fuel Contribution to CPAS (kWh Equivalent)§   |                                    |                          | 176,463 | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    |
| Program Total Other Fuel CPAS (kWh Equivalent)                             | 8,468,725                          | 0                        | 180,907 | 4,444   | 4,444 | 4,444 | 4,444 | 4,444 | 4,444 | 4,444 | 0     | 0    | 0    |
| CY2023 Program Incremental Expiring Other Fuel Savings (Therms)            |                                    |                          | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 152   | 0    | 0    |
| CY2023 Program Incremental Expiring Other Fuel Savings (kWh Equivalent)    |                                    |                          | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 4,444 | 0    | 0    |
| Historic Program Incremental Expiring Other Fuel Savings (kWh Equivalent)# |                                    |                          | 21,050  | 176,463 | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    |
| Program Total Incremental Expiring Other Fuel Savings (kWh Equivalent)*†   |                                    |                          | 21,050  | 176,463 | 0     | 0     | 0     | 0     | 0     | 0     | 4,444 | 0    | 0    |

- † Lifetime savings are the sum of CPAS savings through the EUL.
- ‡ Fossil fuel savings (from natural gas, propane, etc.) are reported in therms. kWh equivalent savings are calculated by multiplying therms savings by 29.31. § Historical savings go back to CY2018.
- | Incremental expiring savings are equal to CPAS Yn-1 CPAS Yn.
- # Historic incremental expiring savings are equal to Historic CPAS Yn-1 Historic CPAS Yn.
- \*† Program total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

Source: Evaluation team analysis

#### Table 4. CPAS - Total

|   | CPAS Verified Net kWh Savings   |                                |             |             |             |             |               |               |               |               |               |               |               |  |
|---|---------------------------------|--------------------------------|-------------|-------------|-------------|-------------|---------------|---------------|---------------|---------------|---------------|---------------|---------------|--|
| Savings Category                              | Verified Gross<br>Savings (kWh) | Lifetime Net<br>Savings (kWh)† | 2018        | 2019        | 2020        | 2021        | 2022          | 2023          | 2024          | 2025          | 2026          | 2027          | 2028          |  |
| CY2023 Program Total Contribution to CPAS     | 242,117,774                     | 2,980,470,161                  | _           | _           |             | _           |               | 236,277,802   | 236,244,528   | 235,388,755   | 230,715,017   | 226,825,247   | 219,325,839   |  |
| Historic Program Total Contribution to CPAS‡  |                                 |                                | 206,758,011 | 350,678,596 | 570,270,523 | 795,802,173 | 1,068,053,868 | 1,055,376,360 | 1,003,773,436 | 984,027,229   | 955,464,856   | 940,071,217   | 892,091,777   |  |
| Program Total CPAS                            | 242,117,774                     | 2,980,470,161                  | 206,758,011 | 350,678,596 | 570,270,523 | 795,802,173 | 1,068,053,868 | 1,291,654,162 | 1,240,017,964 | 1,219,415,984 | 1,186,179,872 | 1,166,896,464 | 1,111,417,616 |  |
| CY2023 Program Incremental Expiring Savings§  |                                 |                                |             |             |             |             |               |               | 33,274        | 855,773       | 4,673,738     | 3,889,770     | 7,499,407     |  |
| Historic Program Incremental Expiring Savings |                                 |                                |             |             |             |             |               | 12,677,508    | 51,602,924    | 19,746,208    | 28,562,373    | 15,393,639    | 47,979,440    |  |
| Program Total Incremental Expiring Savings#   |                                 |                                |             |             |             |             |               | 12,677,508    | 51,636,198    | 20,601,980    | 33,236,111    | 19,283,409    | 55,478,847    |  |

| Savings Category                              | Verified Gross<br>Savings (kWh) | Lifetime Net<br>Savings (kWh)† |               | 2030        | 2031        | 2032        | 2033        | 2034        | 2035        | 2036        | 2037        | 2038        | 2039    |
|---|---------------------------------|--------------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|---------|
| CY2023 Program Total Contribution to CPAS     | 242,117,774                     | 2,980,470,161                  | 218,678,346   | 217,880,460 | 215,883,071 | 211,521,196 | 192,494,376 | 166,332,855 | 139,132,666 | 123,267,382 | 110,449,457 | 5,316       | 5,316   |
| Historic Program Total Contribution to CPAS‡  |                                 |                                | 866,659,301   | 725,012,545 | 637,426,972 | 512,158,301 | 409,897,991 | 255,729,756 | 179,816,629 | 91,277,883  | 993,351     | 270,999     | 257,119 |
| Program Total CPAS                            | 242,117,774                     | 2,980,470,161                  | 1,085,337,647 | 942,893,005 | 853,310,043 | 723,679,497 | 602,392,367 | 422,062,611 | 318,949,295 | 214,545,265 | 111,442,808 | 276,316     | 262,435 |
| CY2023 Program Incremental Expiring Savings§  |                                 |                                | 647,494       | 797,886     | 1,997,390   | 4,361,874   | 19,026,821  | 26,161,521  | 27,200,188  | 15,865,285  | 12,817,924  | 110,444,141 | 0       |
| Historic Program Incremental Expiring Savings |                                 |                                | 25,432,476    | 141,646,756 | 87,585,572  | 125,268,671 | 102,260,310 | 154,168,235 | 75,913,128  | 88,538,745  | 90,284,533  | 722,351     | 13,881  |
| Program Total Incremental Expiring Savings#   |                                 |                                | 26,079,970    | 142,444,642 | 89,582,962  | 129,630,546 | 121,287,130 | 180,329,756 | 103,113,316 | 104,404,030 | 103,102,457 | 111,166,492 | 13,881  |

| Savings Category                              | Verified Gross<br>Savings (kWh) | Lifetime Net<br>Savings (kWh)† | 2040    | 2041    | 2042  | 2043  | 2044  | 2045  | 2046  | 2047  | 2048  | 2049 | 2050 |
|---|---------------------------------|--------------------------------|---------|---------|-------|-------|-------|-------|-------|-------|-------|------|------|
| CY2023 Program Total Contribution to CPAS     | 242,117,774                     | 2,980,470,161                  | 5,316   | 5,316   | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 0     | 0    | 0    |
| Historic Program Total Contribution to CPAS‡  |                                 |                                | 215,519 | 1,724   | 0     | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    |
| Program Total CPAS                            | 242,117,774                     | 2,980,470,161                  | 220,836 | 7,041   | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 5,316 | 0     | 0    | 0    |
| CY2023 Program Incremental Expiring Savings§  |                                 |                                | 0       | 0       | 0     | 0     | 0     | 0     | 0     | 0     | 5,316 | 0    | 0    |
| Historic Program Incremental Expiring Savings |                                 |                                | 41,599  | 213,795 | 1,724 | 0     | 0     | 0     | 0     | 0     | 0     | 0    | 0    |
| Program Total Incremental Expiring Savings#   |                                 |                                | 41,599  | 213,795 | 1,724 | 0     | 0     | 0     | 0     | 0     | 5,316 | 0    | 0    |

- † Lifetime savings are the sum of CPAS savings through the EUL.
- ‡ Historical savings go back to CY2018.
- § Incremental expiring savings are equal to CPAS Yn-1 CPAS Yn.
- || Historic incremental expiring savings are equal to Historic CPAS Yn-1 Historic CPAS Yn.
- # Program total incremental expiring savings are equal to current year total incremental expiring savings plus historic total incremental expiring savings.

Source: Evaluation team analysis