

**BEFORE THE PUBLIC SERVICE COMMISSION  
OF THE STATE OF MISSOURI**

In the Matter of Union Electric Company d/b/a            )  
Ameren Missouri’s 3<sup>rd</sup> Filing to Implement            )       File No. EO-2018-0211  
Regulatory Changes in Furtherance of Energy        )  
Efficiency as Allowed by MEEIA.                        )

**NON-UNANIMOUS STIPULATION AND AGREEMENT REGARDING THE  
IMPLEMENTATION OF CERTAIN MEEIA PROGRAMS THROUGH PLAN YEAR  
2024**

**COME NOW** Union Electric Company d/b/a Ameren Missouri ("Ameren Missouri" or the "Company"), Staff of the Missouri Public Service Commission ("Staff"), and the Office of the Public Counsel ("OPC"), (collectively referred to as "Signatories"), and submit this *Non-Unanimous Stipulation and Agreement Regarding the Implementation of Certain MEEIA Programs through Plan Year 2024* ("*Stipulation PY 2024*")<sup>1</sup> for approval by the Missouri Public Service Commission ("Commission").

In support of this *Stipulation PY 2024*, the Signatories respectfully state as follows:

**BACKGROUND**

1. Ameren Missouri filed its *Application to Approve DSIM and Demand-Side Management Portfolio and Plan, Request for Variances, and Motion to Adopt Procedural Schedule*, together with a report, including associated appendices, entitled *Ameren Missouri's 2024-2026 Energy Efficiency Plan* in case number EO-2023-0136 under the Missouri Energy Efficiency Investment Act ("MEEIA") and the Commission’s MEEIA rules for approval of its proposed MEEIA Cycle 4 plan on March 27, 2023.

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<sup>1</sup> Natural Resources Defense Council and Midwest Energy Consumers Group indicated that while they are not a Signatory to the *Stipulation PY24*, they do not oppose its approval.

2. On April 6, 2023, OPC and Staff filed a Joint Response in Opposition to Motion to Adopt Procedural Schedule and cited the need for more time to review the MEEIA 4 Application. OPC and Staff requested a procedural conference be set to discuss the schedule. A procedural conference was conducted on April 25, 2023, but the Parties could not reach an agreement on the schedule and requested more time to file a schedule and discuss the possibility of extending the current MEEIA 3 Plan<sup>2</sup> one year and extending the schedule for the review of Ameren Missouri's MEEIA 4 Application.

3. Ameren Missouri, Staff and OPC undertook discussions in anticipation of potential settlement of the issues regarding an extension of MEEIA 3 for PY 2024. After negotiations, the Signatories agreed that the *MEEIA Extension* could be implemented under certain terms and conditions through PY 2024. In light of the foregoing, the Signatories to this *Stipulation PY 2024* agree to the following terms and conditions.

### **SPECIFIC TERMS AND CONDITIONS**

4. Budget. The Signatories agree that the following budget caps and floors will apply for PY 2024:

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<sup>2</sup> In this case, the Commission approved the Stipulation and Settlement for the MEEIA 3 Plan in an order dated December 5, 2018. On May 13, 2020, Ameren Missouri submitted an *Application for Modification of Demand-side Management Plan, Approval of Associated Variances, and Adoption of a Procedural Schedule* ("*Application for MEEIA Extension*"). Ameren Missouri filed the *Application for MEEIA Extension* and requested an extension of the existing MEEIA 2019-21 through plan year ("PY") 2022, with the addition of a new Pay as You Save ® ("PAYS®") program during PY 2022. The Commission issued an Order approving the Stipulation and Agreement for the *Application for MEEIA Extension* on August 5, 2020, with an effective date of September 4, 2020. Ameren Missouri also filed an *Application for MEEIA Extension* for PY23 on July 2, 2021, and requested an extension of the existing MEEIA 2019-22 through PY 2023. The Commission approved the Stipulation and Agreement on October 27, 2021, with an effective date of November 12, 2021.

<b>Program</b>	<b>Budget Cap/Floor</b>
Residential	\$15,000,000 (floor)
Business	\$20,000,000 (floor)
Low-Income	\$10,000,000 (floor)
PAYS	\$1,000,000 (floor)
Portfolio Costs	\$4,850,000 (cap)
	<b>Earnings Opportunity Vests – \$62,000,000</b> <b>PY 2024 Cap – \$76,260,000</b>

Ameren Missouri will strive to prudently spend \$76,260,000 delivering MEEIA programs for the benefit of all customers. Ameren Missouri will have a 3% contingency (i.e., plus 3% of the budget) within which to operate in managing the budget.<sup>3</sup> The attached Appendix A contains a detailed breakdown of the proposed budget and targets for each program for PY 2024.

5. Earnings Opportunity (EO). The Signatories agree that the Earnings Opportunity for PY 2024 will be implemented as specified below, resulting in a total potential earnings opportunity of \$12,923,750:

- Core Earnings Opportunity:
  - Ameren Missouri will spend the minimum (floor) in each of the four program areas for eligibility of the full core earnings opportunity.
    - The earnings opportunity will be reduced by \$1 million for each spending floor missed as indicated in the chart below.
  - The core earnings opportunity vests at \$62,000,000 of actual MEEIA program spend.
    - The formula for calculating the core earnings opportunity is:

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<sup>3</sup> This budget excludes the total potential earnings opportunity of up to \$12,923,750.

\$12.155 million x (actual spend / \$76.26 million)

- The core earnings opportunity is capped at \$12.155 million.
  - Actual Spend equals the sum spent of Residential, Business, Low Income, and PAYS®.
- *Additional Earnings Opportunity*
    - The maximum earnings opportunity performance bonus related to demand response is \$768,750 (\$51,250 per event for a total of 15 events).
    - No more than 5 test events will be included, unless those test events are specifically called for:
      - Locational demand purposes, or
      - During a winter peaking period.
    - The Signatories agree the Company may or may not be able to call the remaining non-test events to hit the performance cap, depending on actual system resource conditions and needs.

**Penalties:**

- \$1,000,000 for any program area floor not met, as indicated in the table below. Additionally:
  - Multi-Family-Low-Income (MFLI) spend floor of \$5,000,000 is not a separate floor from the Low-Income spend floor, but an additional condition to meeting the Low-Income spend floor.
  - HVAC spend floor of \$10,000,000 is not a separate floor from the Residential spend floor, but an additional condition to meeting the Residential spend floor.
- \$500,000 if a minimum spend of \$2,500,000 is not achieved with small business customers (2M). This can be achieved across the core Business program, but not the Business Social Service program.
- \$150,000 if administrative overhead for Low-Income programs exceeds 30% of Low-Income spend (3rd party contract relative to incentives).
- \$500,000 if a minimum spend of \$9,000,000 is not achieved with Business non-lighting.

- \$250,000 if at least 15% average savings per participating electric property in the Multi-Family Low-Income program is not achieved, as calculated by the annual evaluation, measurement, and verification (EM&V) of electric properties. The Average Percent Energy Savings Per Property will be calculated as the total Multi-Family-Low-Income program's evaluated energy savings for the program year divided by the total billed energy consumption for all the properties served during that program year.
- \$1,000,000 penalty for failure to develop method for determining and forecasting events in non-summer months and failure to develop method for determining and forecasting demand savings in non-summer months.
- The table below is a summary of all penalties associated with the portfolio spending floors and the additional program specific target penalties.

Penalties to Core EO	Penalty
<b>Spend Floor Penalties</b>	
Residential – at least \$15,000,000 (includes a minimum spend for HVAC of \$10,000,000)	\$ 1,000,000
Business – at least \$20,000,000	\$ 1,000,000
Low-Income – at least \$10,000,000 (includes a minimum spend for MFLI of \$5,000,000)	\$ 1,000,000
PAYS – at least \$1,000,000	\$ 1,000,000
<b>Additional Penalties</b>	
Business Small Business spend – at least \$2,500,000	\$ 500,000
Low-Income Admin Overhead > 30%	\$ 150,000
Business non-lighting spend – at least \$9,000,000	\$ 500,000
MFLI Average % Savings – at least 15%	\$ 250,000
Failure to develop non-summer forecast for events and savings	\$ 1,000,000

6. Portfolio Costs. The up to \$4.85 million budget for "Portfolio Costs" is generally consistent with the budgets and budget allocation approved in prior extensions and continues to focus on the core programs identified in PY2024. And as discussed further below, Ameren Missouri's PY 2024 portfolio reflects a slight increase in both the Low-Income and Demand Response portfolios.

7. Administrative and incentive cost splits will be monitored at the Residential, Business, and Low-Income portfolio level, with truncated 11-step change process notifications in PY 2024.<sup>4</sup> Administrative and incentive cost splits are outlined in Appendix A to this *Stipulation PY 2024* and will stay within a plus or minus 15% variance to the portfolio level totals.

8. Portfolio. The Signatories agree that Ameren Missouri may implement the programs for PY 2024 as listed in Appendix A. Further, the Signatories agree that the exclusion of any program in Appendix A for PY 2024 does not exclude any signatory from proposing that same program for inclusion in the MEEIA 4 program cycle, provided that the measure meets applicable cost-effectiveness criteria.

9. Evaluation, Measurement, and Verification. The Signatories agree that Ameren Missouri may implement EM&V for PY 2024 similar to the EM&V implemented for PY 2023.

10. Throughput Disincentive. The Signatories agree that the Throughput Disincentive for PY 2024 will be implemented as described below:

- The throughput disincentive for the PY 2024 year will utilize a 65% net-to-gross (NTG) factor for the PY 2024 portfolio, with the exception of the Low-Income programs. The Low-Income programs will utilize a 100% NTG. There will be no NTG true-up.
- Ameren, Staff and OPC agree to consider one or both of the following in the MEEIA 4 filing, net-to-gross design:
  - Learnings from EM&V on net-to-gross impact from Federal funding; and/or
  - True-up.

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<sup>4</sup> Notifications may be informal to regulatory stakeholders rather than notifications filed through EFIS consistent with PY2023 process.

11. Additional Considerations. The Signatories further agree on the following conditions:

- AMI-Specific Data: Company agrees to meet with OPC and Staff in 2023 to discuss viability of replicating ComEd pilot program and/or inclusion in a future MEEIA portfolio.
- Urban Heat Island (UHI)
  - Up to \$100k will be made available to supplement and support third-party research and/or grant writing to progress UHI, and for consideration as a future MEEIA offering.
- PAYS® Statewide Initiative
  - The Company will participate in at least four statewide collaborative working group meetings, to be completed by the end of 2024, with the purpose of studying and designing the infrastructure needed to establish a state-administered Pay As You Save® program that could service all participating utilities. The working group will be open to Staff, OPC, Renew Missouri, Division of Energy, and participating utilities.
- Single-Family Low-Income
  - Ameren, Staff and OPC will explore opportunities to redirect funding allocated towards the Single-Family Low-Income program towards specialized services that can complement select community action agencies in minimizing deferred homes and/or enabling energy efficient customer domiciles that are subject to access and functional needs modifications.
- Multi-Family:
  - The Company will include incentives in a formula to be determined for cool roofs on Low-income- multifamily buildings. Program eligibility will be determined by the same criteria as applicable to the Low-Income Multifamily Program.
- Monetizing Business Demand Response (BDR) customer benefits for non-participants
  - Develop and document procedures for maximizing those benefits by season.

- Identification of demand reduction ability and MISO resource type by season for Cycle 3 participants in BDR.
- Determine monetized BDR benefits realized via reduced MISO expense, by season, through fuel adjustment clause (FAC), and present/discuss through ongoing quarterly stakeholder meetings.

12. MEEIA 4 Application Continued Discussions. After jointly filing the MEEIA 3 extension for 2024, Ameren Missouri, Staff and OPC will work to:

- Schedule a series of workshops related to the MEEIA 4 filing – agreed to within one month of filing.
- Workshops will entail:
  - Further and fully covering any data requests information desired that may not yet be answered (e.g., citations, references, workpapers, etc...)
  - Upcoming 2023 Integrated Resource Plan (IRP) filing (including current and future Certificates of Convenience and Necessity (CCN) applications)
  - IRA guidance and impact to MEEIA
  - Other material topics that could impact MEEIA (e.g., MISO Planning Reserve Auction, Commission rulings on time of use (TOU) rates, etc.)
  - These workshops will be open to all intervenors in MEEIA 4.
- Renew Missouri and Ameren Missouri, along with any interested stakeholder, will meet to discuss the reasonableness of incorporating a home energy certification in applicable programs.

### **GENERAL PROVISIONS**

13. This *Stipulation PY 2024* is being entered into solely for the purpose of settling the issues specifically set forth above, and represents a settlement on a mutually-agreeable outcome without resolution of specific issues of law or fact. This *Stipulation PY 2024* is intended to relate *only* to the specific matters referred to herein; no Signatory waives any claim or right which it may otherwise have with respect to any matter not expressly provided for herein. No party will be deemed to have approved, accepted, agreed, consented, or acquiesced to any substantive or



procedural principle, treatment, calculation, or other determinative issue underlying the provisions of this *Stipulation PY 2024*. Except as specifically provided herein, no Signatory shall be prejudiced or bound in any manner by the terms of this *Stipulation PY 2024* in any other proceeding, regardless of whether this *Stipulation PY 2024* is approved.

14. This *Stipulation PY 2024* has resulted from extensive negotiations, and the terms hereof are interdependent. If the Commission does not approve this *Stipulation PY 2024*, approves it with modifications or conditions to which a party objects, or issues an order in another Commission case that negates its approval or conditions or modifies the *Stipulation PY 2024* in a manner to which any party objects, then this *Stipulation PY 2024* shall be null and void, and no Signatory shall be bound by any of its provisions.

15. If the Commission does not approve this *Stipulation PY 2024* unconditionally and without modification, and notwithstanding its provision that it shall become void, neither this *Stipulation PY 2024*, nor any matters associated with its consideration by the Commission, shall be considered or argued to be a waiver of the rights that any Signatory has for a decision in accordance with Section 536.080 RSMo 2016 or Article V, Section 18 of the Missouri Constitution, and the Signatories shall retain all procedural and due process rights as fully as though this *Stipulation PY 2024* had not been presented for approval, any suggestions or memoranda, testimony or exhibits that have been offered or received in support of this *Stipulation PY 2024*, shall become privileged as reflecting the substantive content of settlement discussions and shall be stricken from and not be considered as part of the administrative or evidentiary record before the Commission for any further purpose whatsoever.

16. If the Commission unconditionally accepts the specific terms of this *Stipulation PY 2024* without modification, the Signatories waive, with respect only to the issues resolved herein:

their respective rights (1) to call, examine and cross-examine witnesses pursuant to Section 536.070(2), RSMo 2016; (2) to present oral argument and/or written briefs pursuant to Section 536.080.1, RSMo 2016; (3) to seek rehearing pursuant to Section 386.500, RSMo 2016; and (4) to judicial review pursuant to Section 386.510, RSMo 2019 Supp. These waivers apply only to a Commission order respecting this *Stipulation PY 2024* issued in this above-captioned proceeding, and do not apply to any matters raised in any prior or subsequent Commission proceeding, or any matters not explicitly addressed by this *Stipulation PY 2024*.

17. This *Stipulation PY 2024* contains the entire agreement of the Signatories concerning the issues addressed herein.

18. This *Stipulation PY 2024* does not constitute a contract with the Commission and is not intended to impinge upon any Commission claim, right, or argument by virtue of the *Stipulation PY 2024's* approval. Acceptance of this *Stipulation PY 2024* by the Commission shall not be deemed as constituting an agreement on the part of the Commission to forego the use of any discovery, investigative or other power which the Commission presently has or as an acquiescence of any underlying issue. Thus, nothing in this *Stipulation PY 2024* is intended to impinge or restrict in any manner the exercise by the Commission of any statutory right, including the right to access information, or any statutory obligation.

19. The Signatories agree that this *Stipulation PY 2024*, except as specifically noted herein, resolves all issues related to these topics, and that the agreement should be received into the record without the necessity of any witness taking the stand for examination.

**WHEREFORE**, the Signatories respectfully request that the Commission approve this *Stipulation PY 2024*.

Respectfully submitted,

/s/ Jennifer S. Moore

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**For UNION ELECTRIC COMPANY  
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**ATTORNEYS FOR RENEW MISSOURI  
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**CERTIFICATE OF SERVICE**

The undersigned hereby certifies that a true and correct copy of the foregoing was served on all parties of record via electronic mail (e-mail) on this 3<sup>rd</sup> day of August, 2023.

*/s/ Jennifer S. Moore*

\_\_\_\_\_  
Jennifer S. Moore

Total Program Costs		(All costs allocated)					
(In Millions of Dollars)							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	\$ 5.41	\$ 6.85	\$ 8.19	\$ 13.10	\$ 14.49	\$ 14.10	\$ 62.13
Demand Response	\$ 5.54	\$ 7.27	\$ 9.38	\$ 11.56	\$ 13.30	\$ 15.30	\$ 62.35
Residential	\$ 22.30	\$ 23.64	\$ 23.76	\$ 18.76	\$ 19.94	\$ 19.94	\$ 128.34
Business	\$ 16.89	\$ 29.06	\$ 37.15	\$ 27.08	\$ 26.92	\$ 26.92	\$ 164.02
<b>Portfolio Total<sup>1</sup></b>	<b>\$ 50.14</b>	<b>\$ 66.83</b>	<b>\$ 78.48</b>	<b>\$ 70.50</b>	<b>\$ 74.65</b>	<b>\$ 76.25</b>	<b>\$ 416.85</b>
<b>Low Income</b>							
Multifamily Low Income	\$ 1.54	\$ 2.27	\$ 3.47	\$ 6.49	\$ 6.23	\$ 8.48	\$ 28.48
Single Family Low Income	\$ 3.53	\$ 3.98	\$ 4.09	\$ 3.06	\$ 3.05	\$ 3.05	\$ 20.77
Targeted Community LED Lighting <sup>3</sup>	\$ -	\$ -	\$ -	\$ 1.45	\$ 2.64	\$ -	\$ 4.09
Business Social Services	\$ 0.34	\$ 0.60	\$ 0.63	\$ 2.09	\$ 2.57	\$ 2.57	\$ 8.79
<b>Low Income Total</b>	<b>\$ 5.41</b>	<b>\$ 6.85</b>	<b>\$ 8.19</b>	<b>\$ 13.10</b>	<b>\$ 14.49</b>	<b>\$ 14.10</b>	<b>\$ 62.13</b>
<b>Demand Response</b>							
Residential Demand Response	\$ 4.28	\$ 4.75	\$ 5.60	\$ 6.58	\$ 7.74	\$ 7.74	\$ 36.69
Business Demand Response <sup>4</sup>	\$ 1.26	\$ 2.52	\$ 3.78	\$ 4.98	\$ 5.56	\$ 7.56	\$ 25.67
<b>Demand Response Total</b>	<b>\$ 5.54</b>	<b>\$ 7.27</b>	<b>\$ 9.38</b>	<b>\$ 11.56</b>	<b>\$ 13.30</b>	<b>\$ 15.30</b>	<b>\$ 62.35</b>
<b>Residential</b>							
Appliance Recycling	\$ 0.52	\$ 0.59	\$ 0.60	\$ -	\$ -	\$ -	\$ 1.71
Energy Efficient Kits	\$ 1.38	\$ 1.30	\$ 1.15	\$ -	\$ -	\$ -	\$ 3.83
Home Energy Report	\$ 1.90	\$ 1.97	\$ 1.97	\$ -	\$ -	\$ -	\$ 5.84
Lighting	\$ 1.93	\$ 2.11	\$ 1.67	\$ -	\$ -	\$ -	\$ 5.71
Efficient Products	\$ 2.09	\$ 2.03	\$ 2.14	\$ 2.20	\$ 2.15	\$ 2.15	\$ 12.76
HVAC	\$ 12.67	\$ 13.32	\$ 13.73	\$ 11.75	\$ 12.82	\$ 12.82	\$ 77.11
Multifamily Market Rate	\$ 0.97	\$ 1.32	\$ 1.49	\$ 1.56	\$ 1.91	\$ 1.91	\$ 9.15
PAYS <sup>2</sup>	\$ -	\$ -	\$ 1.82	\$ 3.24	\$ 3.06	\$ 3.06	\$ 9.36
Residential Education	\$ 0.85	\$ 1.00	\$ 1.00	\$ -	\$ -	\$ -	\$ 2.85
<b>Res Total</b>	<b>\$ 22.30</b>	<b>\$ 23.64</b>	<b>\$ 23.76</b>	<b>\$ 18.76</b>	<b>\$ 19.94</b>	<b>\$ 19.94</b>	<b>\$ 128.34</b>
<b>Business</b>							
Custom	\$ 7.22	\$ 13.15	\$ 17.87	\$ 12.96	\$ 12.87	\$ 12.87	\$ 76.93
New Construction	\$ 0.80	\$ 1.84	\$ 2.46	\$ -	\$ -	\$ -	\$ 5.11
Retro-Commissioning	\$ 0.60	\$ 1.42	\$ 2.29	\$ 1.44	\$ 1.59	\$ 1.59	\$ 8.93
Small Business Direct Install	\$ 2.39	\$ 2.55	\$ 2.75	\$ 2.74	\$ 2.65	\$ 2.65	\$ 15.73
Standard	\$ 5.80	\$ 10.02	\$ 11.70	\$ 9.94	\$ 9.81	\$ 9.81	\$ 57.09
Business Education	\$ 0.08	\$ 0.08	\$ 0.08	\$ -	\$ -	\$ -	\$ 0.24
<b>Biz Total</b>	<b>\$ 16.89</b>	<b>\$ 29.06</b>	<b>\$ 37.15</b>	<b>\$ 27.08</b>	<b>\$ 26.92</b>	<b>\$ 26.92</b>	<b>\$ 164.02</b>

**Notes:**

[1] Other Portfolio costs (EM&V, Marketing and Admin) have been distributed among the Low Income , Residential and Business programs for graphing.

[2] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the total Portfolio budget (including PAYS) is equal to \$80.31 million (\$78.48 million approved budget + \$1.82 million in PAYS costs).

[3] PY2024 discontinues Targeted Community Lighting and the associated "EM&V & Other Portfolio Cost".

[4] PY2024 Business Demand Response includes additional budget & savings to allow Opt-out customer participation

Total Program Costs (EM&V + Other Portfolio Costs unallocated)							
(In Millions of Dollars)							
Portfolio	2019 <sup>1</sup>	2020 <sup>1</sup>	2021 <sup>1</sup>	2022	2023	2024	Total
Low Income	\$ 5.05	\$ 6.45	\$ 7.71	\$ 12.44	\$ 14.00	\$ 13.75	\$ 59.40
Demand Response	\$ 5.24	\$ 6.94	\$ 8.96	\$ 11.14	\$ 12.90	\$ 14.90	\$ 60.08
Residential	\$ 19.15	\$ 20.57	\$ 20.65	\$ 16.44	\$ 17.75	\$ 17.75	\$ 112.30
Business	\$ 14.19	\$ 26.26	\$ 33.84	\$ 24.75	\$ 25.00	\$ 25.00	\$ 149.05
Portfolio Costs	\$ 6.51	\$ 6.61	\$ 7.32	\$ 5.73	\$ 5.00	\$ 4.85	\$ 36.02
<b>Portfolio Total</b>	<b>\$ 50.14</b>	<b>\$ 66.83</b>	<b>\$ 78.48</b>	<b>\$ 70.50</b>	<b>\$ 74.65</b>	<b>\$ 76.25</b>	<b>\$ 416.85</b>
<b>Low Income</b>							
Multifamily Low Income	\$ 1.50	\$ 2.20	\$ 3.35	\$ 6.00	\$ 6.00	\$ 8.25	\$ 27.30
Single Family Low Income	\$ 3.24	\$ 3.67	\$ 3.76	\$ 3.00	\$ 3.00	\$ 3.00	\$ 19.67
Targeted Community LED Lighting <sup>4</sup>	\$ -	\$ -	\$ -	\$ 1.44	\$ 2.50	\$ -	\$ 3.94
Business Social Services	\$ 0.32	\$ 0.57	\$ 0.60	\$ 2.00	\$ 2.50	\$ 2.50	\$ 8.49
<b>Low Income Total</b>	<b>\$ 5.05</b>	<b>\$ 6.45</b>	<b>\$ 7.71</b>	<b>\$ 12.44</b>	<b>\$ 14.00</b>	<b>\$ 13.75</b>	<b>\$ 59.40</b>
<b>Demand Response</b>							
Residential Demand Response	\$ 4.04	\$ 4.54	\$ 5.36	\$ 6.34	\$ 7.50	\$ 7.50	\$ 35.28
Business Demand Response <sup>5</sup>	\$ 1.20	\$ 2.40	\$ 3.60	\$ 4.80	\$ 5.40	\$ 7.40	\$ 24.80
<b>Demand Response Total</b>	<b>\$ 5.24</b>	<b>\$ 6.94</b>	<b>\$ 8.96</b>	<b>\$ 11.14</b>	<b>\$ 12.90</b>	<b>\$ 14.90</b>	<b>\$ 60.08</b>
<b>Residential</b>							
Appliance Recycling	\$ 0.48	\$ 0.55	\$ 0.55	\$ -	\$ -	\$ -	\$ 1.59
Energy Efficient Kits	\$ 1.19	\$ 1.14	\$ 1.04	\$ -	\$ -	\$ -	\$ 3.37
Home Energy Report	\$ 1.80	\$ 1.88	\$ 1.88	\$ -	\$ -	\$ -	\$ 5.55
Lighting	\$ 1.53	\$ 1.74	\$ 1.36	\$ -	\$ -	\$ -	\$ 4.64
Efficient Products	\$ 1.88	\$ 1.82	\$ 1.91	\$ 1.91	\$ 2.00	\$ 2.00	\$ 11.53
HVAC	\$ 10.52	\$ 11.21	\$ 11.52	\$ 10.52	\$ 11.50	\$ 11.50	\$ 66.76
Multifamily Market Rate	\$ 0.90	\$ 1.22	\$ 1.38	\$ 1.38	\$ 1.75	\$ 1.75	\$ 8.38
PAYS <sup>2</sup>	\$ -	\$ -	\$ 1.82	\$ 2.64	\$ 2.50	\$ 2.50	\$ 7.64
Residential Education	\$ 0.85	\$ 1.00	\$ 1.00	\$ -	\$ -	\$ -	\$ 2.85
<b>Res Total</b>	<b>\$ 19.15</b>	<b>\$ 20.57</b>	<b>\$ 20.65</b>	<b>\$ 16.44</b>	<b>\$ 17.75</b>	<b>\$ 17.75</b>	<b>\$ 112.30</b>
<b>Business</b>							
Custom	\$ 5.87	\$ 11.67	\$ 16.04	\$ 11.67	\$ 12.00	\$ 12.00	\$ 69.25
New Construction	\$ 0.67	\$ 1.67	\$ 2.25	\$ -	\$ -	\$ -	\$ 4.59
Retro-Commissioning	\$ 0.49	\$ 1.28	\$ 2.08	\$ 1.31	\$ 1.50	\$ 1.50	\$ 8.17
Small Business Direct Install	\$ 2.14	\$ 2.39	\$ 2.60	\$ 2.60	\$ 2.50	\$ 2.50	\$ 14.73
Standard	\$ 4.94	\$ 9.17	\$ 10.80	\$ 9.17	\$ 9.00	\$ 9.00	\$ 52.08
Business Education	\$ 0.08	\$ 0.08	\$ 0.08	\$ -	\$ -	\$ -	\$ 0.24
<b>Biz Total</b>	<b>\$ 14.19</b>	<b>\$ 26.26</b>	<b>\$ 33.84</b>	<b>\$ 24.75</b>	<b>\$ 25.00</b>	<b>\$ 25.00</b>	<b>\$ 149.05</b>
<b>EM&amp;V &amp; Other Portfolio Costs</b>							
EM&V <sup>3</sup>	\$ 2.22	\$ 3.00	\$ 3.53	\$ 2.83	\$ 2.00	\$ 1.96	\$ 15.54
Portfolio Marketing	\$ 1.94	\$ 2.26	\$ 2.44	\$ 2.20	\$ 2.50	\$ 2.41	\$ 13.75
Other (Potential Study, Data Tracking, Incremental Labor)	\$ 2.35	\$ 1.35	\$ 1.35	\$ 0.70	\$ 0.50	\$ 0.49	\$ 6.74
<b>Portfolio Total</b>	<b>\$ 6.51</b>	<b>\$ 6.61</b>	<b>\$ 7.32</b>	<b>\$ 5.73</b>	<b>\$ 5.00</b>	<b>\$ 4.85</b>	<b>\$ 36.02</b>

**Notes:**

[1] Values for PY2019-21 reflect approved values, and do not reflect changes as made through the 11-step process since that time.

[2] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the total Portfolio budget (including PAYS) is equal to \$80.31 million (\$78.48 million approved budget + \$1.82 million in PAYS costs). This is necessary to maintain consistency with prior Appendix A filed previously. In contrast, PAYS budgets are included in PY22 and PY23 totals.

[3] The PY2023 filing includes the addition of \$400,000 in EM&V research to occur in PY2022 and \$100K to fund a Urban Heat Island (UHI) Study.

[4] PY2024 discontinues Targeted Community Lighting and the associated "EM&V & Other Portfolio Cost".

[5] PY2024 Business Demand Response includes additional budget & savings to allow Opt-out customer participation

Contractor Administrative Costs							
(In Millions of Dollars)							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	\$ 2.36	\$ 2.63	\$ 3.17	\$ 4.40	\$ 4.89	\$ 4.18	\$ 21.63
Demand Response	\$ 5.24	\$ 6.94	\$ 8.96	\$ 11.14	\$ 12.90	\$ 14.90	\$ 60.08
Residential	\$ 7.51	\$ 7.79	\$ 7.78	\$ 5.46	\$ 5.98	\$ 5.98	\$ 40.51
Business	\$ 4.99	\$ 8.52	\$ 10.34	\$ 7.44	\$ 6.81	\$ 6.81	\$ 44.91
<b>Portfolio Total</b>	<b>\$ 20.10</b>	<b>\$ 25.87</b>	<b>\$ 30.25</b>	<b>\$ 28.44</b>	<b>\$ 30.59</b>	<b>\$ 31.87</b>	<b>\$ 167.12</b>
<b>Low Income</b>							
Multifamily Low Income	\$ 0.82	\$ 0.88	\$ 1.44	\$ 1.47	\$ 1.64	\$ 2.26	\$ 8.51
Single Family Low Income	\$ 1.47	\$ 1.63	\$ 1.61	\$ 1.54	\$ 1.53	\$ 1.53	\$ 9.31
Targeted Community LED Lighting	\$ -	\$ -	\$ -	\$ 1.00	\$ 1.33	\$ -	\$ 2.33
Business Social Services	\$ 0.07	\$ 0.13	\$ 0.12	\$ 0.39	\$ 0.39	\$ 0.39	\$ 1.48
<b>Low Income Total</b>	<b>\$ 2.36</b>	<b>\$ 2.63</b>	<b>\$ 3.17</b>	<b>\$ 4.40</b>	<b>\$ 4.89</b>	<b>\$ 4.18</b>	<b>\$ 21.63</b>
<b>Demand Response<sup>1</sup></b>							
Residential Demand Response	\$ 4.04	\$ 4.54	\$ 5.36	\$ 6.34	\$ 7.50	\$ 7.50	\$ 35.28
Business Demand Response	\$ 1.20	\$ 2.40	\$ 3.60	\$ 4.80	\$ 5.40	\$ 7.40	\$ 24.80
<b>Demand Response Total</b>	<b>\$ 5.24</b>	<b>\$ 6.94</b>	<b>\$ 8.96</b>	<b>\$ 11.14</b>	<b>\$ 12.90</b>	<b>\$ 14.90</b>	<b>\$ 60.08</b>
<b>Residential</b>							
Appliance Recycling	\$ 0.33	\$ 0.33	\$ 0.34	\$ -	\$ -	\$ -	\$ 0.99
Energy Efficient Kits	\$ 0.37	\$ 0.32	\$ 0.29	\$ -	\$ -	\$ -	\$ 0.97
Home Energy Report	\$ 0.42	\$ 0.40	\$ 0.40	\$ -	\$ -	\$ -	\$ 1.22
Lighting	\$ 0.57	\$ 0.62	\$ 0.46	\$ -	\$ -	\$ -	\$ 1.65
Efficient Products	\$ 0.76	\$ 0.54	\$ 0.55	\$ 0.82	\$ 0.86	\$ 0.86	\$ 4.39
HVAC	\$ 3.61	\$ 3.78	\$ 3.89	\$ 3.40	\$ 4.11	\$ 4.11	\$ 22.90
Multifamily Market Rate	\$ 0.62	\$ 0.79	\$ 0.86	\$ 0.73	\$ 0.74	\$ 0.74	\$ 4.48
PAYS <sup>2</sup>	\$ -	\$ -	\$ 0.76	\$ 0.51	\$ 0.27	\$ 0.27	\$ 1.06
Residential Education	\$ 0.85	\$ 1.00	\$ 1.00	\$ -	\$ -	\$ -	\$ 2.85
<b>Res Total</b>	<b>\$ 7.51</b>	<b>\$ 7.79</b>	<b>\$ 7.78</b>	<b>\$ 5.46</b>	<b>\$ 5.98</b>	<b>\$ 5.98</b>	<b>\$ 40.51</b>
<b>Business</b>							
Custom	\$ 2.12	\$ 3.86	\$ 5.01	\$ 3.65	\$ 3.02	\$ 3.02	\$ 20.67
New Construction	\$ 0.26	\$ 0.60	\$ 0.75	\$ -	\$ -	\$ -	\$ 1.61
Retro-Commissioning	\$ 0.17	\$ 0.41	\$ 0.63	\$ 0.40	\$ 0.39	\$ 0.39	\$ 2.38
Small Business Direct Install	\$ 0.73	\$ 0.76	\$ 0.77	\$ 0.77	\$ 0.60	\$ 0.60	\$ 4.21
Standard	\$ 1.63	\$ 2.81	\$ 3.10	\$ 2.63	\$ 2.81	\$ 2.81	\$ 15.79
Business Education	\$ 0.08	\$ 0.08	\$ 0.08	\$ -	\$ -	\$ -	\$ 0.24
<b>Biz Total</b>	<b>\$ 4.99</b>	<b>\$ 8.52</b>	<b>\$ 10.34</b>	<b>\$ 7.44</b>	<b>\$ 6.81</b>	<b>\$ 6.81</b>	<b>\$ 44.91</b>

**Notes:**

[1] Demand Response Program administration costs incorporate both the administration plus Incentive costs

[2] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the Portfolio Admin budget (including PAYS) is equal to \$31.02 million (\$30.25 million approved budget + \$0.76 million in PAYS costs).

Incentive Costs							
(In Millions of Dollars)							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	\$ 2.69	\$ 3.81	\$ 4.54	\$ 8.04	\$ 9.11	\$ 9.57	\$ 37.77
Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential	\$ 11.64	\$ 12.78	\$ 12.86	\$ 10.98	\$ 11.77	\$ 11.77	\$ 71.80
Business	\$ 9.20	\$ 17.75	\$ 23.50	\$ 17.31	\$ 18.19	\$ 18.19	\$ 104.14
<b>Portfolio Total</b>	<b>\$ 23.53</b>	<b>\$ 34.34</b>	<b>\$ 40.91</b>	<b>\$ 36.33</b>	<b>\$ 39.06</b>	<b>\$ 39.53</b>	<b>\$ 213.70</b>
<b>Low Income</b>							
Multifamily Low Income	\$ 0.68	\$ 1.32	\$ 1.91	\$ 4.53	\$ 4.36	\$ 5.99	\$ 18.79
Single Family Low Income	\$ 1.76	\$ 2.05	\$ 2.15	\$ 1.46	\$ 1.47	\$ 1.47	\$ 10.36
Targeted Community LED Lighting	\$ -	\$ -	\$ -	\$ 0.44	\$ 1.17	\$ -	\$ 1.61
Business Social Services	\$ 0.25	\$ 0.45	\$ 0.49	\$ 1.61	\$ 2.11	\$ 2.11	\$ 7.01
<b>Low Income Total</b>	<b>\$ 2.69</b>	<b>\$ 3.81</b>	<b>\$ 4.54</b>	<b>\$ 8.04</b>	<b>\$ 9.11</b>	<b>\$ 9.57</b>	<b>\$ 37.77</b>
<b>Demand Response<sup>1</sup></b>							
Residential Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Business Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Demand Response Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Residential</b>							
Appliance Recycling	\$ 0.15	\$ 0.22	\$ 0.22	\$ -	\$ -	\$ -	\$ 0.59
Energy Efficient Kits	\$ 0.82	\$ 0.82	\$ 0.76	\$ -	\$ -	\$ -	\$ 2.41
Home Energy Report	\$ 1.38	\$ 1.48	\$ 1.48	\$ -	\$ -	\$ -	\$ 4.34
Lighting	\$ 0.96	\$ 1.12	\$ 0.90	\$ -	\$ -	\$ -	\$ 2.99
Efficient Products	\$ 1.12	\$ 1.28	\$ 1.36	\$ 1.09	\$ 1.14	\$ 1.14	\$ 7.14
HVAC	\$ 6.91	\$ 7.43	\$ 7.62	\$ 7.12	\$ 7.39	\$ 7.39	\$ 43.86
Multifamily Market Rate	\$ 0.28	\$ 0.43	\$ 0.52	\$ 0.65	\$ 1.01	\$ 1.01	\$ 3.90
PAYS <sup>2</sup>	\$ -	\$ -	\$ 1.06	\$ 2.12	\$ 2.23	\$ 2.23	\$ 6.58
Residential Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Res Total</b>	<b>\$ 11.64</b>	<b>\$ 12.78</b>	<b>\$ 12.86</b>	<b>\$ 10.98</b>	<b>\$ 11.77</b>	<b>\$ 11.77</b>	<b>\$ 71.80</b>
<b>Business</b>							
Custom	\$ 3.75	\$ 7.82	\$ 11.03	\$ 8.02	\$ 8.98	\$ 8.98	\$ 48.58
New Construction	\$ 0.41	\$ 1.07	\$ 1.49	\$ -	\$ -	\$ -	\$ 2.98
Retro-Commissioning	\$ 0.32	\$ 0.87	\$ 1.45	\$ 0.92	\$ 1.11	\$ 1.11	\$ 5.78
Small Business Direct Install	\$ 1.41	\$ 1.63	\$ 1.83	\$ 1.83	\$ 1.90	\$ 1.90	\$ 10.51
Standard	\$ 3.31	\$ 6.35	\$ 7.70	\$ 6.54	\$ 6.19	\$ 6.19	\$ 36.28
Business Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Biz Total</b>	<b>\$ 9.20</b>	<b>\$ 17.75</b>	<b>\$ 23.50</b>	<b>\$ 17.31</b>	<b>\$ 18.19</b>	<b>\$ 18.19</b>	<b>\$ 104.14</b>

**Notes:**

[1] Demand Response Program administration costs incorporate both the administration plus Incentive costs.

[2] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the Portfolio Admin budget (including PAYS) is equal to \$41.97 million (\$40.91 million approved budget + \$1.06 million in PAYS costs).



EM&V Costs							
(In Millions of Dollars)							
Portfolio <sup>1</sup>	2019	2020	2021	2022	2023 <sup>3</sup>	2024	Total
Low Income	\$ 0.12	\$ 0.16	\$ 0.19	\$ 0.28	\$ 0.16	\$ 0.11	\$ 1.02
Demand Response	\$ 0.30	\$ 0.34	\$ 0.42	\$ 0.42	\$ 0.40	\$ 0.40	\$ 2.28
Residential	\$ 1.08	\$ 1.18	\$ 1.21	\$ 0.95	\$ 0.69	\$ 0.69	\$ 5.79
Business	\$ 0.72	\$ 1.33	\$ 1.71	\$ 1.19	\$ 0.75	\$ 0.75	\$ 6.45
<b>Portfolio Total<sup>3</sup></b>	<b>\$ 2.22</b>	<b>\$ 3.00</b>	<b>\$ 3.53</b>	<b>\$ 2.83</b>	<b>\$ 2.00</b>	<b>\$ 1.96</b>	<b>\$ 15.54</b>
<b>Low Income</b>							
Multifamily Low Income	\$ 0.01	\$ 0.03	\$ 0.05	\$ 0.20	\$ 0.07	\$ 0.07	\$ 0.43
Single Family Low Income	\$ 0.10	\$ 0.12	\$ 0.13	\$ 0.03	\$ 0.02	\$ 0.02	\$ 0.41
Targeted Community LED Lighting	\$ -	\$ -	\$ -	\$ 0.01	\$ 0.04	\$ -	\$ 0.05
Business Social Services	\$ 0.01	\$ 0.01	\$ 0.01	\$ 0.04	\$ 0.03	\$ 0.03	\$ 0.13
<b>Low Income Total</b>	<b>\$ 0.12</b>	<b>\$ 0.16</b>	<b>\$ 0.19</b>	<b>\$ 0.28</b>	<b>\$ 0.16</b>	<b>\$ 0.11</b>	<b>\$ 1.02</b>
<b>Demand Response</b>							
Residential Demand Response	\$ 0.24	\$ 0.22	\$ 0.24	\$ 0.24	\$ 0.24	\$ 0.2370	\$ 1.41
Business Demand Response	\$ 0.06	\$ 0.12	\$ 0.18	\$ 0.18	\$ 0.16	\$ 0.16	\$ 0.87
<b>Demand Response Total</b>	<b>\$ 0.30</b>	<b>\$ 0.34</b>	<b>\$ 0.42</b>	<b>\$ 0.42</b>	<b>\$ 0.40</b>	<b>\$ 0.40</b>	<b>\$ 2.28</b>
<b>Residential</b>							
Appliance Recycling	\$ 0.01	\$ 0.02	\$ 0.02	\$ -	\$ -	\$ -	\$ 0.05
Energy Efficient Kits	\$ 0.06	\$ 0.06	\$ 0.04	\$ -	\$ -	\$ -	\$ 0.17
Home Energy Report	\$ 0.03	\$ 0.04	\$ 0.04	\$ -	\$ -	\$ -	\$ 0.11
Lighting	\$ 0.14	\$ 0.14	\$ 0.12	\$ -	\$ -	\$ -	\$ 0.40
Efficient Products	\$ 0.07	\$ 0.08	\$ 0.09	\$ 0.12	\$ 0.05	\$ 0.05	\$ 0.45
HVAC	\$ 0.74	\$ 0.81	\$ 0.86	\$ 0.51	\$ 0.42	\$ 0.42	\$ 3.74
Multifamily Market Rate	\$ 0.02	\$ 0.04	\$ 0.04	\$ 0.07	\$ 0.05	\$ 0.05	\$ 0.28
PAYS <sup>2</sup>	\$ -	\$ -	\$ -	\$ 0.25	\$ 0.18	\$ 0.18	\$ 0.60
Residential Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Res Total</b>	<b>\$ 1.08</b>	<b>\$ 1.18</b>	<b>\$ 1.21</b>	<b>\$ 0.95</b>	<b>\$ 0.69</b>	<b>\$ 0.69</b>	<b>\$ 5.79</b>
<b>Business</b>							
Custom	\$ 0.36	\$ 0.70	\$ 0.94	\$ 0.65	\$ 0.34	\$ 0.34	\$ 3.34
New Construction	\$ 0.03	\$ 0.08	\$ 0.11	\$ -	\$ -	\$ -	\$ 0.23
Retro-Commissioning	\$ 0.03	\$ 0.07	\$ 0.11	\$ 0.07	\$ 0.03	\$ 0.03	\$ 0.34
Small Business Direct Install	\$ 0.07	\$ 0.07	\$ 0.08	\$ 0.07	\$ 0.06	\$ 0.06	\$ 0.41
Standard	\$ 0.23	\$ 0.41	\$ 0.47	\$ 0.39	\$ 0.32	\$ 0.32	\$ 2.13
Business Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Biz Total</b>	<b>\$ 0.72</b>	<b>\$ 1.33</b>	<b>\$ 1.71</b>	<b>\$ 1.19</b>	<b>\$ 0.75</b>	<b>\$ 0.75</b>	<b>\$ 6.45</b>

## Notes:

[1] Education EM&V costs are distributed amongst the other programs

[2] The addition of PAYS in 2021 does not include additional portfolio or EM&V cost allocations.

[3] The PY2023 filing includes the addition of \$400,000 in EM&V research to occur in PY2022 and \$100K to fund a Urban Heat Island (UHI) Study .

Other Portfolio Costs							
(Marketing, Potential Study, Data Tracking & Incremental Labor)							
(In Dollars)							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	\$ 239,318	\$ 246,140	\$ 286,821	\$ 380,481	\$ 330,125	\$ 232,858	\$ 1,715,743
Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Residential	\$2,074,430	\$1,894,150	\$1,905,045	\$1,368,262	\$1,501,951	\$1,501,951	\$10,245,790
Business	\$1,977,472	\$1,468,591	\$1,598,114	\$1,148,371	\$1,164,644	\$1,164,644	\$ 8,521,836
<b>Portfolio Total</b>	<b>\$4,291,220</b>	<b>\$3,608,881</b>	<b>\$3,789,981</b>	<b>\$2,897,114</b>	<b>\$2,996,720</b>	<b>\$2,899,453</b>	<b>\$20,483,369</b>
<b>Low Income</b>							
Multifamily Low Income	\$ 28,322	\$ 43,405	\$ 71,550	\$ 291,426	\$ 156,887	\$ 156,887	\$ 748,477
Single Family Low Income	\$ 191,435	\$ 189,494	\$ 203,751	\$ 38,370	\$ 34,247	\$ 34,247	\$ 691,545
Targeted Community LED Lightin	\$ -	\$ -	\$ -	\$ 7,452	\$ 97,267	\$ -	\$ 104,719
Business Social Services	\$ 19,560	\$ 13,241	\$ 11,520	\$ 43,233	\$ 41,724	\$ 41,724	\$ 171,002
<b>Low Income Total</b>	<b>\$ 239,318</b>	<b>\$ 246,140</b>	<b>\$ 286,821</b>	<b>\$ 380,481</b>	<b>\$ 330,125</b>	<b>\$ 232,858</b>	<b>\$ 1,715,743</b>
<b>Demand Response</b>							
Residential Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
Business Demand Response	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Demand Response Total</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Residential</b>							
Appliance Recycling	\$ 23,125	\$ 27,453	\$ 28,226	\$ -	\$ -	\$ -	\$ 78,803
Energy Efficient Kits	\$ 123,186	\$ 102,345	\$ 63,254	\$ -	\$ -	\$ -	\$ 288,785
Home Energy Report	\$ 66,745	\$ 57,054	\$ 59,220	\$ -	\$ -	\$ -	\$ 183,018
Lighting	\$ 261,894	\$ 224,929	\$ 191,881	\$ -	\$ -	\$ -	\$ 678,704
Efficient Products	\$ 135,418	\$ 128,034	\$ 140,449	\$ 172,759	\$ 103,246	\$ 103,246	\$ 783,152
HVAC	\$1,416,225	\$1,296,622	\$1,351,636	\$ 731,939	\$ 907,642	\$ 907,642	\$ 6,611,706
Multifamily Market Rate	\$ 47,838	\$ 57,713	\$ 70,379	\$ 104,195	\$ 107,383	\$ 107,383	\$ 494,891
PAYS <sup>1</sup>	\$ -	\$ -	\$ -	\$ 359,368	\$ 383,681	\$ 383,681	\$ 1,126,729
Residential Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Res Total</b>	<b>\$2,074,430</b>	<b>\$1,894,150</b>	<b>\$1,905,045</b>	<b>\$1,368,262</b>	<b>\$1,501,951</b>	<b>\$1,501,951</b>	<b>\$10,245,790</b>
<b>Business</b>							
Custom	\$ 988,499	\$ 773,195	\$ 881,297	\$ 633,275	\$ 528,929	\$ 528,929	\$ 4,334,124
New Construction	\$ 95,109	\$ 91,511	\$ 103,419	\$ -	\$ -	\$ -	\$ 290,039
Retro-Commissioning	\$ 74,337	\$ 75,218	\$ 102,930	\$ 64,714	\$ 53,681	\$ 53,681	\$ 424,562
Small Business Direct Install	\$ 186,241	\$ 80,616	\$ 73,330	\$ 72,162	\$ 89,049	\$ 89,049	\$ 590,447
Standard	\$ 633,286	\$ 448,052	\$ 437,138	\$ 378,220	\$ 492,985	\$ 492,985	\$ 2,882,665
Business Education	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -
<b>Biz Total</b>	<b>\$1,977,472</b>	<b>\$1,468,591</b>	<b>\$1,598,114</b>	<b>\$1,148,371</b>	<b>\$1,164,644</b>	<b>\$1,164,644</b>	<b>\$ 8,521,836</b>

Notes:

[1] The addition of PAYS in 2021 does not include additional portfolio or EM&amp;V cost allocations.

Incremental Gross MWh Savings							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	10,506	13,973	15,310	17,858	15,563	14,147	87,356
Demand Response	1,630	1,811	1,971	3,135	-	-	8,547
Residential	128,198	101,037	97,924	56,301	52,506	52,506	488,472
Business	83,188	162,071	217,599	158,681	123,250	123,250	868,040
<b>Portfolio Total</b>	<b>223,522</b>	<b>278,892</b>	<b>332,804</b>	<b>235,975</b>	<b>191,319</b>	<b>189,904</b>	<b>1,452,415</b>
<b>Low Income</b>							
Multifamily Low Income	900	1,650	2,680	9,754	5,853	8,048	28,885
Single Family Low Income	8,556	10,415	10,822	1,622	1,087	1,087	33,588
Targeted Community LED Lighting	-	-	-	565	3,610	-	4,175
Business Social Services	1,049	1,908	1,808	5,918	5,012	5,012	20,708
<b>Low Income Total</b>	<b>10,506</b>	<b>13,973</b>	<b>15,310</b>	<b>17,858</b>	<b>15,563</b>	<b>14,147</b>	<b>87,356</b>
<b>Demand Response</b>							
Residential Demand Response	1,130	1,311	1,471	2,635	-	-	6,547
Business Demand Response	500	500	500	500	-	-	2,000
<b>Demand Response Total</b>	<b>1,630</b>	<b>1,811</b>	<b>1,971</b>	<b>3,135</b>	<b>-</b>	<b>-</b>	<b>8,547</b>
<b>Residential</b>							
Appliance Recycling	3,063	4,329	4,344	-	-	-	11,736
Energy Efficient Kits	7,279	7,279	4,666	-	-	-	19,223
Home Energy Report	35,250	-	-	-	-	-	35,250
Lighting	19,762	20,542	17,388	-	-	-	57,691.75
Efficient Products	11,335	12,660	13,527	10,161	5,180	5,180	58,043
HVAC	48,963	52,594	53,484	33,087	35,433	35,433	258,993
Multifamily Market Rate	2,547	3,633	4,515	4,319	4,181	4,181	23,375
PAYS <sup>1</sup>	-	-	4,367	8,735	7,713	7,713	24,160
<b>Res Total</b>	<b>128,198</b>	<b>101,037</b>	<b>97,924</b>	<b>56,301</b>	<b>52,506</b>	<b>52,506</b>	<b>488,472</b>
<b>Business</b>							
Custom	36,433	74,342	106,856	77,722	44,994	44,994	385,340
New Construction	3,562	9,213	12,847	-	-	-	25,623
Retro-Commissioning	2,850	7,678	12,847	8,111	5,137	5,137	41,759
Small Business Direct Install	9,258	10,764	12,063	11,777	12,279	12,279	68,420
Standard	31,085	60,075	72,986	61,072	60,841	60,841	346,899
<b>Biz Total</b>	<b>83,188</b>	<b>162,071</b>	<b>217,599</b>	<b>158,681</b>	<b>123,250</b>	<b>123,250</b>	<b>868,040</b>

**Notes:**

[1] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Residential or Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the total Portfolio savings (including PAYS) is equal to 337,171 (332,804 + 4,367 in PAYS).

Incremental Net MWh Savings							
Portfolio	2019	2020	2021	2022	2023	2024 <sup>2</sup>	Total
Low Income	10,443	13,858	15,201	17,632	15,563	14,147	86,845
Demand Response	1,630	1,811	1,971	3,135	-	-	8,547
Residential	111,693	83,139	80,996	45,689	41,793	34,129	397,438
Business	78,196	152,347	204,544	142,813	104,286	80,113	762,298
<b>Portfolio Total</b>	<b>201,962</b>	<b>251,155</b>	<b>302,712</b>	<b>209,268</b>	<b>161,641</b>	<b>128,389</b>	<b>1,255,128</b>
<b>Low Income</b>							
Multifamily Low Income	900	1,650	2,680	9,754	5,853	8,048	28,885
Single Family Low Income	8,556	10,415	10,822	1,622	1,087	1,087	33,588
Targeted Community LED Lighting	-	-	-	339	3,610	-	3,949
Business Social Services	987	1,793	1,700	5,918	5,012	5,012	20,423
<b>Low Income Total</b>	<b>10,443</b>	<b>13,858</b>	<b>15,201</b>	<b>17,632</b>	<b>15,563</b>	<b>14,147</b>	<b>86,845</b>
<b>Demand Response</b>							
Residential Demand Response	1,130	1,311	1,471	2,635	-	-	6,547
Business Demand Response	500	500	500	500	-	-	2,000
<b>Demand Response Total</b>	<b>1,630</b>	<b>1,811</b>	<b>1,971</b>	<b>3,135</b>	<b>-</b>	<b>-</b>	<b>8,547</b>
<b>Residential</b>							
Appliance Recycling	2,358	3,333	3,345	-	-	-	9,037
Energy Efficient Kits	6,551	6,551	4,199	-	-	-	17,301
Home Energy Report	35,250	-	-	-	-	-	35,250
Lighting	12,659	13,203	11,238	-	-	-	37,100.47
Efficient Products	8,222	9,188	9,800	8,252	3,747	3,367	42,575
HVAC	44,361	47,594	48,350	24,815	26,571	23,031	214,722
Multifamily Market Rate	2,292	3,270	4,064	3,887	3,763	2,717	19,993
PAYS <sup>1</sup>	-	-	4,367	8,735	7,713	5,013	21,460
<b>Res Total</b>	<b>111,693</b>	<b>83,139</b>	<b>80,996</b>	<b>45,689</b>	<b>41,793</b>	<b>34,129</b>	<b>397,438</b>
<b>Business</b>							
Custom	34,247	69,882	100,445	69,949	37,075	29,246	340,843
New Construction	3,349	8,660	12,076	-	-	-	24,085
Retro-Commissioning	2,679	7,217	12,076	7,300	4,715	3,339	37,326
Small Business Direct Install	8,702	10,118	11,340	10,599	10,781	7,981	59,521
Standard	29,220	56,470	68,607	54,965	51,715	39,547	300,523
<b>Biz Total</b>	<b>78,196</b>	<b>152,347</b>	<b>204,544</b>	<b>142,813</b>	<b>104,286</b>	<b>80,113</b>	<b>762,298</b>

**Notes:**

[1] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Residential or Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the total Portfolio savings (including PAYS) is equal to 307,167 (302,712 + 4,455 in PAYS).

[2] PY24 agreement deemed Net to Gross at 65% excluding Income Eligible.

Incremental Gross MW Savings							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	2.44	3.43	4.08	5.35	3.58	3.64	22.52
Demand Response	36.50	38.33	39.96	43.62	8.09	38.21	204.71
Residential	51.58	38.66	39.10	26.18	28.49	28.49	212.51
Business	20.59	42.01	55.73	39.89	39.77	39.77	237.78
<b>Portfolio Total</b>	<b>111.11</b>	<b>122.44</b>	<b>138.87</b>	<b>115.05</b>	<b>79.93</b>	<b>110.12</b>	<b>677.52</b>
<b>Low Income</b>							
Multifamily Low Income	0.40	0.73	1.19	3.29	1.60	2.21	9.42
Single Family Low Income	1.83	2.34	2.47	0.59	0.46	0.46	8.16
Targeted Community LED Lighting	-	-	-	0.08	0.54	-	0.62
Business Social Services	0.20	0.36	0.42	1.39	0.98	0.98	4.32
<b>Low Income Total</b>	<b>2.44</b>	<b>3.43</b>	<b>4.08</b>	<b>5.35</b>	<b>3.58</b>	<b>3.64</b>	<b>22.52</b>
<b>Demand Response</b>							
Residential Demand Response	11.50	13.33	14.96	18.62	8.09	1.17	67.67
Business Demand Response <sup>2</sup>	25.00	25.00	25.00	25.00	-	37.04	137.04
<b>Demand Response Total</b>	<b>36.50</b>	<b>38.33</b>	<b>39.96</b>	<b>43.62</b>	<b>8.09</b>	<b>38.21</b>	<b>204.71</b>
<b>Residential</b>							
Appliance Recycling	0.44	0.62	0.63	-	-	-	1.69
Energy Efficient Kits	1.29	1.29	0.90	-	-	-	3.47
Home Energy Report	16.43	-	-	-	-	-	16.43
Lighting	2.95	3.07	2.60	-	-	-	8.61
Efficient Products	2.94	3.33	3.58	3.36	1.80	1.80	16.81
HVAC	26.79	29.21	30.00	17.23	20.81	20.81	144.85
Multifamily Market Rate	0.75	1.15	1.40	1.52	2.28	2.28	9.39
PAYS <sup>1</sup>	-	-	2.04	4.07	3.59	3.59	11.26
<b>Res Total</b>	<b>51.58</b>	<b>38.66</b>	<b>39.10</b>	<b>26.18</b>	<b>28.49</b>	<b>28.49</b>	<b>212.51</b>
<b>Business<sup>3</sup></b>							
Custom	10.52	22.76	31.07	22.60	20.09	20.09	127.11
New Construction	0.95	2.45	3.41	-	-	-	6.80
Retro-Commissioning	1.05	2.82	4.71	2.97	2.13	2.13	15.81
Small Business Direct Install	1.60	1.86	2.09	2.12	2.44	2.44	12.55
Standard	6.48	12.13	14.45	12.20	15.12	15.12	75.50
<b>Biz Total</b>	<b>20.59</b>	<b>42.01</b>	<b>55.73</b>	<b>39.89</b>	<b>39.77</b>	<b>39.77</b>	<b>237.78</b>

**Notes:**

[1] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Residential or Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the total Portfolio savings (including PAYS) is equal to 140.95 (138.87 + 2.08 in PAYS).

[2] PY2024 Business Demand Response includes additional budget & savings to allow Opt-out customer participation

[3] For PY2023 & PY2024, business program gross totals assume a 95% realization rate; residential programs assume a 100% realization rate (includes Business Social Services).

Incremental Net MW Savings							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	2.42	3.41	4.06	5.31	3.58	3.64	22.43
Demand Response	36.50	38.33	39.96	43.62	8.09	38.21	204.71
Residential	45.92	32.47	32.91	21.10	22.57	18.52	173.50
Business	19.36	39.49	52.39	35.90	33.50	25.85	206.49
<b>Portfolio Total</b>	<b>104.20</b>	<b>113.71</b>	<b>129.32</b>	<b>105.95</b>	<b>67.74</b>	<b>86.22</b>	<b>607.13</b>
<b>Low Income</b>							
Multifamily Low Income	0.40	0.73	1.19	3.29	1.60	2.21	9.42
Single Family Low Income	1.83	2.34	2.47	0.59	0.46	0.46	8.16
Targeted Community LED Lighting	-	-	-	0.05	0.54	-	0.59
Business Social Services	0.19	0.34	0.39	1.39	0.98	0.98	4.26
<b>Low Income Total</b>	<b>2.42</b>	<b>3.41</b>	<b>4.06</b>	<b>5.31</b>	<b>3.58</b>	<b>3.64</b>	<b>22.43</b>
<b>Demand Response</b>							
Residential Demand Response	11.50	13.33	14.96	18.62	8.09	1.17	67.67
Business Demand Response <sup>2</sup>	25.00	25.00	25.00	25.00	-	37.04	137.04
<b>Demand Response Total</b>	<b>36.50</b>	<b>38.33</b>	<b>39.96</b>	<b>43.62</b>	<b>8.09</b>	<b>38.21</b>	<b>204.71</b>
<b>Residential</b>							
Appliance Recycling	0.34	0.47	0.48	-	-	-	1.30
Energy Efficient Kits	1.16	1.16	0.81	-	-	-	3.13
Home Energy Report	16.43	-	-	-	-	-	16.43
Lighting	1.89	1.97	1.68	-	-	-	5.54
Efficient Products	2.14	2.43	2.61	2.75	1.32	1.17	12.41
HVAC	23.28	25.40	26.07	12.92	15.61	13.53	116.82
Multifamily Market Rate	0.67	1.04	1.26	1.37	2.06	1.48	7.88
PAYS <sup>1</sup>	-	-	2.04	4.07	3.59	2.34	10.00
<b>Res Total</b>	<b>45.92</b>	<b>32.47</b>	<b>32.91</b>	<b>21.10</b>	<b>22.57</b>	<b>18.52</b>	<b>173.50</b>
<b>Business</b>							
Custom	9.89	21.39	29.20	20.34	16.55	13.06	110.42
New Construction	0.89	2.30	3.20	-	-	-	6.39
Retro-Commissioning	0.98	2.65	4.43	2.68	1.96	1.39	14.08
Small Business Direct Install	1.51	1.75	1.97	1.91	2.14	1.59	10.86
Standard	6.10	11.40	13.59	10.98	12.85	9.83	64.74
<b>Biz Total</b>	<b>19.36</b>	<b>39.49</b>	<b>52.39</b>	<b>35.90</b>	<b>33.50</b>	<b>25.85</b>	<b>206.49</b>

**Notes:**

[1] Pay As You Save totals for PY2021 are shown for informational purposes only, and are not included in Residential or Portfolio totals. The PY2021 PAYS program does not apply to portfolio targets or portfolio earnings opportunity. In PY2021, the total Portfolio savings (including PAYS) is equal to 131.39 (129.32 + 2.08 in PAYS).

[2] PY2024 Business Demand Response includes additional budget & savings to allow Opt-out customer participation

Total Resource Cost Test							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	1.20	1.31	1.56	1.37	1.14	0.67	1.20
Demand Response	1.40	1.57	1.72	1.67	0.79	2.31	1.83
Residential	1.73	1.89	1.97	1.48	1.45	1.43	1.73
Business	1.57	1.81	1.96	2.06	2.27	1.92	2.00
<b>Portfolio Total<sup>1</sup></b>	<b>1.48</b>	<b>1.65</b>	<b>1.76</b>	<b>1.62</b>	<b>1.45</b>	<b>1.83</b>	<b>1.68</b>
<b>Low Income</b>							
Multifamily Low Income	0.50	0.66	0.75	1.16	0.62	0.63	0.77
Single Family Low Income	1.49	1.67	1.82	0.34	0.29	0.29	1.12
Targeted Community LED Lighting				0.16	0.98		0.61
Business Social Services	1.30	1.43	1.50	1.73	1.29	1.26	1.42
<b>Low Income Total<sup>3</sup></b>	<b>1.20</b>	<b>1.31</b>	<b>1.56</b>	<b>1.37</b>	<b>1.14</b>	<b>0.67</b>	<b>1.20</b>
<b>Demand Response</b>							
Residential Demand Response	1.11	1.31	1.47	1.35	1.16	2.15	1.58
Business Demand Response	1.64	1.81	1.98	2.15	-	2.41	2.05
<b>Demand Response Total</b>	<b>1.40</b>	<b>1.57</b>	<b>1.72</b>	<b>1.67</b>	<b>0.79</b>	<b>2.31</b>	<b>1.83</b>
<b>Residential</b>							
Appliance Recycling	1.29	1.69	1.80	-	-	-	1.60
Energy Efficient Kits	2.14	2.38	1.71	-	-	-	2.10
Home Energy Report	1.01	1.06	1.15	-	-	-	1.07
Lighting	3.89	3.91	4.40	-	-	-	4.04
Efficient Products	1.14	1.34	1.44	1.30	1.18	1.10	1.27
HVAC	1.78	1.97	2.09	1.57	1.51	1.41	1.79
Multifamily Market Rate	1.10	1.21	1.37	1.29	1.32	1.04	1.23
PAYS <sup>2</sup>	-	-	2.65	3.11	2.99	2.03	2.44
<b>Res Total</b>	<b>1.73</b>	<b>1.89</b>	<b>1.97</b>	<b>1.48</b>	<b>1.45</b>	<b>1.43</b>	<b>1.73</b>
<b>Business</b>							
Custom	1.67	1.91	2.05	2.12	2.18	1.88	1.99
New Construction	1.41	1.59	1.72	-	-	-	1.62
Retro-Commissioning	1.97	2.29	2.51	2.61	2.60	1.89	2.38
Small Business Direct Install	1.40	1.59	1.74	1.77	2.15	1.66	1.84
Standard	1.48	1.68	1.83	1.95	2.36	2.01	1.88
<b>Biz Total</b>	<b>1.57</b>	<b>1.81</b>	<b>1.96</b>	<b>2.06</b>	<b>2.27</b>	<b>1.92</b>	<b>2.00</b>

**Notes:**

[1] Includes Earnings Opportunity

(2) PY2024 avoided cost and discount rate updated to align with 2022 IRP update, which changed 2019-2023 values.

(3) PY23 Low Income Total included PAYS in the cost effectiveness calculation. It was moved to "Residential" for PY24

Utility Cost Test							
Portfolio	2019	2020	2021	2022	2023	2024	Total
Low Income	1.25	1.38	1.65	1.57	1.21	0.71	1.30
Demand Response	1.40	1.57	1.72	1.67	0.79	2.31	1.83
Residential	2.67	2.94	3.10	2.03	1.77	1.68	2.49
Business	2.77	3.42	3.81	3.85	3.44	2.64	3.51
<b>Portfolio Total<sup>1</sup></b>	<b>2.03</b>	<b>2.39</b>	<b>2.60</b>	<b>2.16</b>	<b>1.74</b>	<b>1.99</b>	<b>2.19</b>
<b>Low Income</b>							
Multifamily Low Income	0.53	0.70	0.79	1.40	0.67	0.68	0.85
Single Family Low Income	1.56	1.74	1.91	0.39	0.30	0.31	1.18
Targeted Community LED Lighting				0.16	0.98	-	0.61
Business Social Services	1.35	1.50	1.63	1.88	1.29	1.26	1.47
<b>Low Income Total<sup>3</sup></b>	<b>1.25</b>	<b>1.38</b>	<b>1.65</b>	<b>1.57</b>	<b>1.21</b>	<b>0.71</b>	<b>1.30</b>
<b>Demand Response</b>							
Residential Demand Response	1.11	1.31	1.47	1.35	1.16	2.15	1.58
Business Demand Response	1.64	1.81	1.98	2.15	-	2.41	2.05
<b>Demand Response Total</b>	<b>1.40</b>	<b>1.57</b>	<b>1.72</b>	<b>1.67</b>	<b>0.79</b>	<b>2.31</b>	<b>1.83</b>
<b>Residential</b>							
Appliance Recycling	1.29	1.69	1.80		-	-	1.60
Energy Efficient Kits	2.57	2.88	2.11	-	-	-	2.55
Home Energy Report	1.01	1.06	1.15	-	-	-	1.07
Lighting	3.89	3.91	4.40	-	-	-	4.04
Efficient Products	1.86	2.31	2.52	2.45	1.28	1.19	1.97
HVAC	3.21	3.57	3.78	1.95	1.89	1.72	2.79
Multifamily Market Rate	1.41	1.61	1.81	2.09	1.50	1.14	1.59
PAYS <sup>2</sup>	-	-	2.87	3.46	3.35	2.19	
<b>Res Total</b>	<b>2.67</b>	<b>2.94</b>	<b>3.10</b>	<b>2.03</b>	<b>1.77</b>	<b>1.68</b>	<b>2.49</b>
<b>Business</b>							
Custom	3.24	3.98	4.37	4.44	3.27	2.59	3.76
New Construction	2.81	3.36	3.72	-	-	-	3.43
Retro-Commissioning	2.95	3.57	3.98	4.07	2.69	1.94	3.31
Small Business Direct Install	1.84	2.14	2.36	2.39	2.68	1.94	2.40
Standard	2.59	3.02	3.31	3.45	3.99	3.02	3.26
<b>Biz Total</b>	<b>2.77</b>	<b>3.42</b>	<b>3.81</b>	<b>3.85</b>	<b>3.44</b>	<b>2.64</b>	<b>3.51</b>

**Notes:**

[1] Includes Earnings Opportunity

(2) PY2024 avoided cost and discount rate updated to align with 2022 IRP update, which changed 2019-2023 values.

(3) PY23 Low Income Total included PAYS in the cost effectiveness calculation. It was moved to "Residential" for PY24



Participant Cost Test							
Portfolio	2019	2020	2021	2022 <sup>3</sup>	2023 <sup>3</sup>	2024	Total <sup>4</sup>
Low Income	5.29	4.70	4.28			2.97	3.48
Demand Response	∞	∞	∞			-	∞
Residential	4.46	4.51	4.30			4.18	4.56
Business	2.92	2.91	2.98			3.43	2.98
<b>Portfolio Total<sup>1</sup></b>	<b>3.76</b>	<b>3.54</b>	<b>3.42</b>			<b>3.83</b>	<b>3.52</b>
<b>Low Income</b>							
Multifamily Low Income	1.60	1.57	1.67			2.57	2.06
Single Family Low Income	7.94	8.36	8.50			2.14	6.53
Targeted Community LED Lighting	∞	∞	∞				∞
Business Social Services	3.52	3.58	3.11			5.11	3.32
<b>Low Income Total</b>	<b>5.29</b>	<b>4.70</b>	<b>4.28</b>			<b>2.97</b>	<b>3.48</b>
<b>Demand Response</b>							
Residential Demand Response	∞	∞	∞			-	∞
Business Demand Response	∞	∞	∞			-	∞
<b>Demand Response Total</b>	<b>∞</b>	<b>∞</b>	<b>∞</b>			<b>-</b>	<b>∞</b>
<b>Residential</b>							
Appliance Recycling	∞	∞	∞				∞
Energy Efficient Kits	8.91	9.06	5.64				8.72
Home Energy Report	-	-	-				-
Lighting	∞	∞	∞				∞
Efficient Products	3.05	3.05	3.08			4.03	2.94
HVAC	3.02	3.11	3.16			3.82	3.20
Multifamily Market Rate	4.15	3.82	4.09			3.67	3.60
PAYS <sup>2</sup>						7.24	
<b>Res Total</b>	<b>4.46</b>	<b>4.51</b>	<b>4.30</b>			<b>4.18</b>	<b>4.56</b>
<b>Business</b>							
Custom	2.70	2.67	2.74			2.66	2.73
New Construction	2.38	2.42	2.46				2.45
Retro-Commissioning	4.66	4.73	4.80			3.70	4.80
Small Business Direct Install	3.54	3.61	3.67			4.72	3.63
Standard	2.99	3.12	3.22			4.07	3.19
<b>Biz Total</b>	<b>2.92</b>	<b>2.91</b>	<b>2.98</b>			<b>3.43</b>	<b>2.98</b>

**Notes:**

[1] Includes Earnings Opportunity

[2] Residential and Business Totals for PY19-21 include demand response savings.

[3] PCT &amp; RIM tests are not provided for PY22-PY23. The analysis was not completed for the PY22-PY23 filing.

[4] Total Column is not updated to include PY24 single year extensions.

Ratepayer Impact Measure (Net Fuel)							
Portfolio	2019	2020	2021	2022 <sup>3</sup>	2023 <sup>3</sup>	2024	Total <sup>4</sup>
Low Income	0.54	0.59	0.64			0.43	0.64
Demand Response						2.02	
Residential	0.77	0.83	0.89			0.71	0.83
Business	0.98	1.04	1.09			1.00	1.05
<b>Portfolio Total<sup>1</sup></b>	<b>0.80</b>	<b>0.88</b>	<b>0.95</b>			<b>1.26</b>	<b>0.89</b>
<b>Low Income</b>							
Multifamily Low Income	0.44	0.56	0.62			0.42	0.68
Single Family Low Income	0.55	0.59	0.63			0.24	0.59
Targeted Community LED Lighting							
Business Social Services	0.58	0.62	0.72			0.58	0.72
<b>Low Income Total</b>	<b>0.54</b>	<b>0.59</b>	<b>0.64</b>			<b>0.43</b>	<b>0.64</b>
<b>Demand Response</b>							
Residential Demand Response	1.01	1.18	1.31			2.07	1.14
Business Demand Response	1.59	1.75	1.91			1.99	1.82
<b>Demand Response Total</b>						<b>2.02</b>	
<b>Residential</b>							
Appliance Recycling	0.43	0.48	0.51				0.47
Energy Efficient Kits	0.60	0.64	0.64				0.63
Home Energy Report	0.44	0.47	0.50				0.48
Lighting							
Efficient Products	0.61	0.68	0.73			0.57	0.69
HVAC	0.87	0.93	0.98			0.72	0.90
Multifamily Market Rate	0.56	0.62	0.66			0.59	0.65
PAYS2						0.83	0.88
<b>Res Total<sup>2</sup></b>	<b>0.77</b>	<b>0.83</b>	<b>0.89</b>			<b>0.71</b>	<b>0.82</b>
<b>Business</b>							
Custom	0.97	1.10	1.15			1.20	1.12
New Construction	0.91	0.99	1.05				1.03
Retro-Commissioning	1.12	1.25	1.34			1.05	1.32
Small Business Direct Install	0.66	0.71	0.76			0.69	0.73
Standard	0.77	0.82	0.87			0.90	0.85
<b>Biz Total<sup>2</sup></b>	<b>0.98</b>	<b>1.04</b>	<b>1.09</b>			<b>1.00</b>	<b>1.08</b>

**Notes:**

[1] Includes Earnings Opportunity

[2] Residential and Business Totals for PY19-21 include demand response savings.

[3] PCT &amp; RIM tests are not provided for PY22-PY23. The analysis was not completed for the PY22-PY23 filing.

[4] Total Column is not updated to include PY24 single year extensions.

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kWh Net to Gross (%)							
Portfolio	2019	2020	2021	2022	2023	2024 <sup>2</sup>	Total
Income Eligible	99.4%	99.2%	99.3%	98.7%	100.0%	100.0%	99.4%
Demand Response	100.0%	100.0%	100.0%	100.0%			100.0%
Residential	87.1%	82.3%	82.7%	81.2%	79.6%	65.0%	81.4%
Business	94.0%	94.0%	94.0%	90.0%	84.6%	65.0%	87.8%
<b>Portfolio Total</b>	<b>90.4%</b>	<b>90.1%</b>	<b>91.0%</b>	<b>88.7%</b>	<b>84.5%</b>	<b>67.6%</b>	<b>86.4%</b>
<b>Income Eligible</b>							
Multifamily Low Income	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Single Family Low Income	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%
Targeted Community LED Lighting				60.0%	100.0%		94.6%
Business Social Services	94.0%	94.0%	94.0%	100.0%	100.0%	100.0%	98.6%
<b>Income Eligible Total</b>	<b>99.4%</b>	<b>99.2%</b>	<b>99.3%</b>	<b>98.7%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>99.4%</b>
<b>Demand Response</b>							
Residential Demand Response	100.0%	100.0%	100.0%	100.0%			100.0%
Business Demand Response	100.0%	100.0%	100.0%	100.0%			100.0%
<b>Demand Response Total</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>	<b>100.0%</b>			<b>100.0%</b>
<b>Residential</b>							
Appliance Recycling	77.0%	77.0%	77.0%				77.0%
Energy Efficient Kits	90.0%	90.0%	90.0%				90.0%
Home Energy Report	100.0%						100.0%
Lighting	64.1%	64.3%	64.6%				64.3%
Efficient Products	72.5%	72.6%	72.4%	81.2%	72.3%	65.0%	73.4%
HVAC	90.6%	90.5%	90.4%	75.0%	75.0%	65.0%	82.9%
Multifamily Market Rate	90.0%	90.0%	90.0%	90.0%	90.0%	65.0%	85.5%
PAYS			100.0%	100.0%	100.0%	65.0%	88.8%
<b>Residential Total</b>	<b>87.1%</b>	<b>82.3%</b>	<b>82.7%</b>	<b>81.2%</b>	<b>79.6%</b>	<b>65.0%</b>	<b>81.4%</b>
<b>Business</b>	87.1%	82.3%	82.7%	81.2%	79.6%	65.0%	
Custom							88.5%
New Construction	94.0%	94.0%	94.0%	90.0%	82.4%	65.0%	94.0%
Retro-Commissioning							89.4%
Small Business Direct Install	94.0%	94.0%	94.0%	90.0%	91.8%	65.0%	87.0%
Standard	94.0%	94.0%	94.0%	90.0%	87.8%	65.0%	86.6%
<b>Biz Total</b>	<b>94.0%</b>	<b>94.0%</b>	<b>94.0%</b>	<b>90.0%</b>	<b>85.0%</b>	<b>65.0%</b>	<b>87.8%</b>

**Notes:**

[1] Because of rounding, the numbers in these tables may not sum properly. Please see Ameren Missouri's workpapers for necessary clarification regarding these sums.

[2] PY24 agreement deemed Net to Gross at 65% excluding Income Eligible.