Exhibit No.:	
Issue(s):	Designing a MEEIA Complaint Portfolio; Low-Income Program Tariffs; Low-Income Federal Assistance; ARCs and BDR Budgets; Changes to MISO PRA; EISA and other funding sources for DSM
Witness:	Timothy E. Via
Type of Exhibit:	Rebuttal Testimony
Sponsoring Party:	Union Electric Company
File No.:	EO-2023-0136
Date Testimony Prepared:	April 26, 2024

MISSOURI PUBLIC SERVICE COMMISSION

FILE NO. EO-2023-0136

REBUTTAL TESTIMONY

OF

TIMOTHY E. VIA

ON

BEHALF OF

UNION ELECTRIC COMPANY

D/B/A AMEREN MISSOURI

St. Louis, Missouri
April, 2024

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REBUTTAL TESTIMONY

OF

TIMOTHY E.VIA

FILE NO. EO-2023-0136

I. INTRODUCTION

Q. Please state your name and business address.

A. My name is Timothy E. Via. My business address is One Ameren Plaza, 1901 Chouteau Ave., St. Louis, Missouri 63103.

Q. Are you the same Timothy E. Via that submitted direct testimony in this case?

A. Yes, I am.

Q. To what testimony or issues are you responding?

A. I am responding to the direct testimony submitted by the Missouri Public Service Commission Staff ("Staff"), the Office of the Public Counsel ("OPC"), and the Natural Resources Defense Council ("NRDC"). Specifically, I will address points that cover the development of the MEEIA 4 Portfolio Plan ("Plan"), savings targets, budgets, and program design.

II. STEPS TAKEN TO DEVELOP THE MEEIA 4 PLAN CONSISTENT WITH THE COMMISSION'S RULES

Q. Staff is concerned with how the MEEIA 4 Plan was finalized. How did Ameren develop its Plan and associated budgets?

A. Union Electric Company d/b/a Ameren Missouri ("Ameren Missouri" or "Company") developed its Comprehensive Portfolio of Programs through a robust request for proposal ("RFP") process to gain indicative market saving targets and budgets. As Ameren Missouri witness Antonio M. Lozano discussed in his direct testimony, the Company conducted various workshops to walk stakeholders through this RFP process and to explain how the Plan would be implemented.[1]

The MEEIA 4 RFP[2] was developed utilizing the Realistic Achievable Potential savings targets from Ameren Missouri's 2020 Market Potential Study ("MPS").[3] The RFP instructed implementation contractors to provide a six-year bid for years 2024 – 2029 at 100% and 80% of the provided annual MW and MWh savings targets provided (see tables below). It was distributed to implementation contractors for bid on April 22, 2022, to provide indicative market pricing and savings goals for programs within the defined sectors (Residential, Business, Low-Income and Demand Response ("DR").

Ameren Missouri's Total DSM Portfolio Goals 2024-2029
Estimated Net Annual Energy and Coincident Demand Savings - 100% Level

Annual MW Savings Goal							
100% Target	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**Total**
Residential	23	23	24	27	14	14	125
Business	60	63	65	67	48	49	352
Low-Income	9	10	11	13	13	14	69
Demand response Incremental savings - Residential	15	15	6	6	5	5	53
Demand response Incremental savings - Business	14	19	16	15	8	14	86
Total	**121**	**130**	**122**	**128**	**88**	**96**	**685**

Annual MWh Savings Goal							
100% Target	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**Total**
Residential	54,893	57,892	60,521	75,258	65,466	67,664	381,695
Business	206,354	212,594	218,294	222,922	122,315	127,089	1,109,569
Low-Income	27,581	31,235	35,076	42,893	43,220	46,935	226,939
Demand response Incremental savings - Residential	0	0	0	0	0	0	0
Demand response Incremental savings - Business	0	0	0	0	0	0	0
Total	**288,828**	**301,722**	**313,891**	**341,074**	**231,002**	**241,688**	**1,718,203**

[1] *See* File No. EO-2023-0136, Antonio M. Lozano Direct Testimony, p. 14, l. 7 through p. 20, l. 3.
[2] Ameren Missouri MEEIA 2024 RFP Cover Page file.
[3] MEEIA 4 Plan Workpaper - Ameren Final MPS_03-010-2020_with appendices.

Ameren Missouri's Total DSM Portfolio Goals 2024-2029 Estimated Net Annual Energy and Coincident Demand Savings - 80% Level							
Annual MW Savings Goal							
80% Target	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**Total**
Residential	18	19	19	22	11	11	100
Business	48	50	52	54	38	39	282
Low-Income	7	8	9	11	10	11	55
Demand response Incremental savings - Residential	12	12	5	5	4	4	42
Demand response Incremental savings - Business	11	15	13	13	6	12	69
Total	**97**	**104**	**98**	**103**	**70**	**77**	**548**
Annual MWh Savings Goal							
80% Target	**2024**	**2025**	**2026**	**2027**	**2028**	**2029**	**Total**
Residential	43,914	46,314	48,417	60,207	52,373	54,131	305,356
Business	165,084	170,075	174,635	178,338	97,852	101,671	887,655
Low-Income	22,064	24,988	28,061	34,314	34,576	37,548	181,551
Demand response Incremental savings - Residential	0	0	0	0	0	0	0
Demand response Incremental savings - Business	0	0	0	0	0	0	0
Total	**231,062**	**241,377**	**251,113**	**272,859**	**184,801**	**193,350**	**1,374,563**

Ameren Missouri provided regulatory stakeholders (including Staff, OPC, Renew Missouri, Tower Grove Neighborhood Assoc., NRDC, MO Division of Energy) an initial RFP update[4] on June 9, 2022, identifying the number of suppliers that bid along with the sector categories of the programs. A more detailed update to the RFP was presented to stakeholders on July 27, 2022, which outlined the RFP and MEEIA 4 filing timeline along with MEEIA 4 scope and goals[5] for a 6-year planning cycle of 2024-2029.

Ameren Missouri received over 40 detailed innovative and cost-effective proposals from leading energy efficiency and demand response implementation contractors around the US. The implementation contractors provided program budgets, energy and demand savings, and quantity of measures in Ameren Missouri's submittal tool template, which has links to the updated Technical Reference Manual ("TRM") and avoided costs to calculate cost-effectiveness of program. The proposals consisted of over 30 residential, 20 plus business and 25 plus pilot programs, respectively. The Company evaluated the proposals in a consistent and objective manner and provided opportunities for top suppliers to present through a series of in-person and

[4] MEEIA 4 Plan Workpaper - MEEIA 4 6-8 stakeholder meeting.
[5] MEEIA 4 Plan Workpaper - MEEIA 4 Initial Portfolio Stakeholder meeting 7-27-2022.

virtual presentations. For ease of discussion, the process described above represented phase one, which constructed the data need to develop Ameren Missouri's MEEIA 4 Plan by gaining indicative market budgets and savings from implementation contractors.

Phase two consisted of working with the top bidders and presenting the individual program sectors to regulatory stakeholders. This was presented through a series of collaborative meetings on August 24, 2022, in which the Company presented the residential and low-income portfolio[6] (including residential demand response, educational and pilot programs) and on September 14, 2022, in which the Company presented the business portfolio[7] (including continuation of business demand response programs). On October 12, 2022, Ameren Missouri presented regulatory stakeholders the MEEIA 4 complete portfolio[8] with corresponding individual programs, budgets, and energy and demand savings by sector. The presentation also included comparisons with other MEEIA cycles along with customer bill impacts per rate class based on the MEEIA 4 Plan total budgets.

Phase three consisted of integrating key analysis from the 2023 Ameren Missouri MPS into the build out of the MEEIA 4 Plan, along with continued communication and additional analysis and forecasting with selected implementation contractors. Another key aspect of phase three was taking into account lessons learned from previous MEEIA cycles, historical program participation, energy efficiency team expertise and annual EM&V reports on key core programs and measures.

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[6] MEEIA 4 Plan Workpaper - MEEIA 4 2nd Stakeholder meeting 8-24-2022.
[7] MEEIA 4 Plan Workpaper - MEEIA 4 Stakeholder Business Portfolio 9-15-2022.
[8] MEEIA 4 Plan Workpaper – MEEIA 4 Stakeholder meeting 10-12-2022.

The robust RFP process as outlined above, including keeping regulatory stakeholders informed and engaged throughout the process, were key to developing the subsequent Ameren Missouri Amended MEEIA 4 Plan filed on January 25, 2024.

Q. When the Company develops a portfolio, how do they consider energy and demand reductions, and cost recovery by rate class?

A. When developing a new MEEIA portfolio, Ameren Missouri relies on the analysis from its most recent MPS which estimates the Maximum Achievable Potential ("MAP") and the Realistic Achievable Potential ("RAP") of demand side investments that are available in the market, and then estimates the budget needed to obtain that preferred demand side potential. Ameren Missouri' Plan utilized the results of the Demand-Side Management ("DSM") analysis from the 2023 MPS[9] which is incorporated in the Ameren Missouri 2023 IRP (Chapter 8),[10] and the results from the proposals from MEEIA 2024 RFP. Ameren Missouri's 2023 IRP Preferred Resource Plan ("PRP") identifies a DSM RAP portfolio. Within the PRP, DSM is recognized as the cheapest resource, which is the energy you do not have to produce. The 2023 IRP Plan continues to recognize and include robust cost-effective energy efficiency and demand programs to help customers better control consumption and reduce their energy bills.[11] The 2023 MPS DSM RAP analysis which informed the 2023 IRP Plan provided the energy and demand savings by sector (residential business, low-income, and DR).

Ameren Missouri seeks to build a portfolio consistent with the Commission's rules and based on the process outlined above while building on its strong history of designing and

[9] MEEIA 4 Plan Workpaper - Ameren Final MPS Report_04-18-2023_with appendices.
[10] Ameren Missouri 2023 IRP (Chapter 8 – Demand Side Resources).
[11] Ameren Missouri 2023 IRP -Executive Summary

delivering on successful MEEIA programs that benefit our customers, communities, and the state of Missouri. This is evident in our Plan that will create $303 million in total net benefits[12] to its customers. Additionally, the Company has delivered over $1.3 billion total net benefits[13] through its MEEIA portfolios, identified through the annual EM&V process by third-party evaluators in previous cycles from 2013-2022. As discussed in Company witness Neil Graser's testimony, Staff, OPC, and other stakeholders are a part of the EM&V process and allowed the opportunity to review and comment. During the past EM&V process, Staff and OPC did not challenge the amount of total net benefits produced by the MEEIA portfolios and have not supported their positions with any evidence that suggests these benefits should not have been accepted by the Commission in File No. EO-2018-0211 or previous MEEIA cycles.[14] The demand and energy savings utilized to build out the amended MEEIA 4 Plan were based on the most up-to-date deemed savings table[15] and TRM.[16] The deemed savings table and TRM are updated annually based on annual EM&V evaluation results and filed for Stakeholder approval.

As part of the Ameren Missouri Amended MEEIA 4 Plan, a customer bill impact analysis[17] was performed that illustrated the impact to individual rate classes. The bill impact analysis showed a minimal initial impact of approximately 2% and 4% for residential and small

[12] Amended MEEIA 4 Plan – Table 1 – Portfolio Cost-effectiveness Summary pg. 16
[13] 2022 EE EA Summary – Summary of MEEIA annual TRC net benefits, budget, net MWh as identified in annual EM&V reports
[14] *See* File No. EO-2012-0142, *Order Approving Stipulation and Agreement Regarding T-12 Replacement Measures*, Issued October 1, 2014; *Order Approving Second Stipulation and Agreement Settling The Program Year 2013 Change Requests*, Issued February 25, 2015*; Order Approving 2014 Final EMV Auditor Report*, Issued July 17, 2015; *Order Approving Stipulation And Agreement Regarding Performance Incentive Award*; EO-2015-0055, *Order Approving Non-Unanimous Stipulation and Agreement*, Issued September 27, 2017, *Order Approving Non-Unanimous Stipulation And Agreement*, Issued October 17, 2018*, Order Approving Stipulation And Agreement*, Issued September 4, 2019; File No. EO-2018-0211*, Order Approving Stipulation And Agreement*, Issued August 5, 2020, *Order Accepting EM&V Program Year 2021 Report*, Issued August 3, 2022, and *Order Accepting EM&V Program Year 2022 Report*, Issued July 12, 2023.
[15] Amended MEEIA 4 Plan – Appendix F
[16] Amended MEEIA 4 Plan – Appendix G-I
[17] Amended MEEIA 4 Plan – Figure 42 – Customer Bill Impacts

general service rate customers, respectively. All customers in these classes will recognize annual bill reductions by 2028, as the implementation period concludes and costs are paid. The net benefits, and therefor bill reductions, will continue to be recognized per rate class beyond 2040.

Q. **Did Ameren Missouri consider any other factors when developing its Plan**?

A. Yes. Ameren Missouri considered the Commission's commitment to customer-funded and utility-administered energy efficiency programs through its March 11, 2020 Report and Order approving the MEEIA plans filed by the Evergy Missouri companies in File No. EO-2019-0132. In that Report and Order, the Commission stated that, "[u]tilities should be endeavoring to increase customer participation in energy efficiency programs."[18] Further, the Commission recognized that, "[b]enefits from a reduction in a customer's bill is not the only benefit to customers. There are also societal benefits, such as improved health and safety, investment in local economies, and local job creation."[19]

Q. Did the Company consider alternatives when developing its Plan?

A. Yes. Specifically, the Company considered multiple options and alternatives based on the analysis of the 2023 MPS,[20] the 2023 IRP, and the MEEIA 4 RFP.

The 2023 MPS analyzed the following estimates of demand side management potential:

- Technical potential
- Economic potential
- Achievable potential
  - Maximum achievable potential
  - Realistic achievable potential

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[18] File No. EO-2019-0132; *Amended Report and Order*, p. 15 paragraph 42, issued March 11, 2020
[19] File No. EO-2019-0132; *Amended Report and Order*, p. 15 paragraph 44, issued March 11, 2020..
[20] MEEIA 4 Plan Workpaper - Ameren Final MPS Report_04-18-2023_with appendices.

- Program potential
  - Maximum achievable potential
  - Realistic achievable potential

The 2023 MPS presented energy savings, peak demand savings, benefits, and cost for the study 20-year time frame of 2024-2043, for each level of potential.

The 2023 IRP analysis took the input from the MPS and conducted various DSM scenarios from including a no DSM, a 100% and 80% of RAP. The IRP strategy selection landed on RAP DSM energy efficiency and demand response portfolio as the preferred plan. The IRP also concluded that achievement of energy savings at levels less the RAP portfolio would give rise to the need for more supply side resource additions, resulting in higher costs for customers.

Next, as noted above, the Company reviewed the MEEIA 4 RFP process, that included market indicative proposal from energy efficiency and demand response implementation contractors. The RFP proposal provided consideration for 6-year and 3-year plans at 100% and 80% of RAP portfolio. The RFP process also included back and forth collaboration on program design, budget and savings.

Last the Company took the alternatives from all the various analysis the 2023 MPS and IRP and MEEIA 4 RFP process and crafted the most comprehensive and robust cost-effective Plan, that maximizes customer participation and total net benefits.

Q. How did Ameren Missouri use criteria when developing its Plan to ensure the maximum benefits possible?

A. The Company used multiple performance indicators to maximize customer participation, to allow control to lower their energy cost, and total net benefits. The key indicator included building a robust cost-effective portfolio. The Company was able to accomplish this task through the RFP process and working with our energy efficiency and demand response implementation contractors. All non-cost-effective proposals were eliminated from consideration other than income eligible programs and innovative pilot program proposals. Additional performance criteria included the implementation contractors to adhere to performance contracts to remove cost risk to customers for not obtaining target savings and energy goals.

Q. Staff provides a list of recommended requirements for any MEEIA application.[21] Is the MEEIA 4 Plan consistent with Staff's list?

A. Yes. The Company designed a MEEIA Plan consistent the Commission's rules and is an application that provides information addresses 7.a.-j. as outlined in Staff witness Luebbert's testimony.[22] Staff does not claim the Plan is deficient or inconsistent with the Commission rules. Yet Staff and OPC both ignore the fact that the Ameren Missouri's MEEIA 4 Plan meets the requirements under the Commission's rules. Moreover, Ameren Missouri engaged stakeholders in the planning process and this collaboration has improved the Plan. This has allowed Ameren Missouri to develop an improved and more robust Plan with each MEEIA cycle.

Staff and OPC also ignore the fact Ameren Missouri's Plan includes more details based on lessons learned, annual EM&V process improvements, incorporates industry experience from successful implementation contractors with many years of expertise and supported by a triennial MPS and IRP. Ameren Missouri also continues to collaborate and provide numerous opportunities for stakeholders to opine during the full MEEIA planning cycle, which includes

[21] File No. EO-2023-0136, J. Luebbert Direct Testimony, p. 38, ll. 1-17.
[22] *Id.*

development and delivery of the MPS, updates/presentations on IRP which includes annual updates, input into the RFP process from start to finish, and collaboration on the MEEIA plan (i.e. programs, budgets, MWh and MW energy and demand savings, EM&V, Demand Side Investment Mechanism ("DSIM") model, and more) prior to filing.

Specifically, the Plan includes detailed program templates[23] for each of the individual programs in each sector. Each template provides an overall objective, target market, program section, detailed program description that includes measures and implementation design and strategy, eligible measures (included in TRM), incentive ranges (included in Appendix D), market transformation and education approaches, response to evolving markets, marketing strategy, EM&V requirements, program design flexibility and estimated annual MWh. Additional individual metrics are provided as part of the Submittal Tool.[24] These metrics includes annual program budgets (incentive, administrative, and marketing), measure participation, cost-effectiveness Total Resource Cost ("TRC"), total net benefits and etc.

The Plan aligns with the analysis and data published in the 2023 MPS which informed the IRP and RAP levels, which were included in the PRP. The table below outlines the close alignment of Plan with IRP Preferred Plan.

[23] Amended MEEIA 4 Plan – Appendix B – Program Templates.
[24] MEEIA 4 Plan Workpaper – MEEIA 4 2025-2027_ AMOSubmittalTool_w_Sources_2024_01_24

Comparison of MEEIA 2025-27 to the 2023 IRP Preferred Plan

	Energy (MWh)	Demand (MW)	Cost ($MM)
2023 IRP (2025-2027)	876,294	521	$356
MEEIA 2025-2027	822,340	517	$370
% Difference	-6%	-1%	4%

Ameren Missouri kept stakeholders abreast with a series of workshops and collaboration meetings as outlined in the direct testimony of Company witness Antonio M. Lozano,[25] leading up to initial Plan filing on March 25, 2023, and continued up to amended application on January 25, 2024.

Moreover, the Company participated in additional collaborative workshop hosted by the OPC and Staff on January 10, 2024 to discuss MEEIA 4 issues and concern with Missouri Utilities (Ameren Missouri, Evergy, Liberty, Spire). The discussion was facilitated by Josh Campbell from Missouri Energy Initiative.

Q. Overall, do you agree with Staff's position for finalizing an EEDR portfolio?

A. No. Prior to filing the amended application, we sought stakeholder input every step of the way. The collaboration with stakeholders was outlined in the direct testimony of Company witness Antonio M. Lozano.[26] The amended application also reflects this collaboration, which includes but not limited to the following: updating Plan time line to January 1, 2025 – December 31, 2027 with allowance for Demand Response to extend to February 29, 2028 to account for winter season as part of MISO's planning resource auction ("PRA"); updating avoided cost to

[25] Amended MEEIA 4 Plan – File No. EO-2023-0136, Antonio M. Lozano Direct Testimony, pp. 13-21.
[26] *Id*.

be aligned with 2023 IRP; updating savings based on updated TRM filed in October 2023; updated source data documentation for analysis, hard coded numbers; submittal tool; and DSMore files. Ameren Missouri filed a portfolio comprised of well-designed cost-effective programs successfully utilized in previous MEEIA cycles that supports our customers' needs as well as innovative programs that provide benefits to our customers ever changing energy needs of the future.

Ameren Missouri has a strong history dating back to 2009, designing and delivering on successful MEEIA portfolios that benefit our customers and the communities we serve. In developing our portfolio, we relied on that vast experience, industry experts (implementation and EM&V contractors), as well as best practices and industry leading program designs, and input from stakeholders. Some examples of collaboration with stakeholder consist of but not limited to the following:

- Working with stakeholders to negotiate program extensions (PY22 – PY24) to keep continuity of programs.
- Working with OPC to define and design the Business Social Services (BSS) program.
- Working with OPC to develop and continued Missouri collaboration on Pay As You Save ("PAYS") program.
- Approving funding for Urban Heat Island ("UHI") study and inclusion of UHI measure (incentive for white roofs) in current programs.
- Working with ReNEW Missouri, Northern Housing Trust and Tower Grove to adopt best practices (one stop shop, financing, comprehensive projects, etc.) and increase budget for Multifamily Income Eligible ("MFIE") program.

- Working with ReNEW Missouri, Northern Housing Trust to target > 15% average energy savings per income eligible participant in MFIE and Single Family Income Eligible ("SFIE") programs.
- Working with Stakeholders which pushed to have more collaboration with NG Utilities and co-delivery programs to create synergies and efficiencies.
- Stakeholder approval budget to support DIY Income Eligible program during COVID.
- Stakeholder approval for budget adjustment to support relocation of MFIE and SFIE during completion of comprehensive measure installation for customer safety during COVID.
- Working with all Stakeholders to gain approval for additional budget to prevent Programs (Business–indoor agriculture projects, Residential HVAC, MFIE) to be shutdown with increase customer participation.

III. THE MEEIA 4 PLAN INCORPORATED REASONABLE AVOIDED COSTS AND IS COST EFFECTIVE

Q. Staff's recommends that, "[o]nce reasonable estimates of avoidable costs and avoidable earnings opportunities are identified, the structure of the portfolio of programs, benefits, and costs can then be derived to maximize the potential ratepayer benefits."[27] Do you agree with this recommendation?

A. No. The Ameren Missouri Plan was built on accepted avoidable costs[28] and avoidable earnings opportunities to benefit its customers as identified in the Company's 2023 IRP and outlined in the rebuttal testimony of Company witness Michels. Staff's

[27] File No. EO-2023-0136, J. Luebbert Direct Testimony, p. 36, ll. 8-10.
[28] Amended MEEIA 4 Plan – Appendix C – Avoided Costs and Company's 2023 IRP filing (EO-2024-0020).

testimony ignores this fact and implies that the Plan was not designed under the Commission's rules and the MEEIA statute. Although, I am not an attorney, I am advised by counsel that Staff's position is inconsistent with the MEEIA statute. Additionally, the Commission found that "MEEIA is not a program for managing generation and providing supply-side power. MEEIA is designed to compensate the utility for promoting energy efficiency as it encourages its customers to save money by using less of the product the utility sells."[29]

Q. Does the Plan include a robust offering of cost-effective programs to maximize customer benefits?

A. Yes. In compliance with the MEEIA statute, the Company's MEEIA 4 Plan offers cost-effective programs that maximize benefits to our customers. Although I am not offering a legal opinion, it is my understanding the MEEIA statute allows utilities to implement energy efficiency and demand response programs consistent with state policy, which under MEEIA states "*[i]t shall be the policy of the state to value demand-side investments equal to traditional investments in supply and delivery infrastructure and allow recovery of all reasonable and prudent costs of delivering **cost-effective demand-side programs**."*[30] The Ameren Missouri Plan provides 25 programs in the four distinct sectors (Income-Eligible, Residential, Business and Demand Response) as it is important to maximize participation to help them manage their utility cost by offering a diverse set of opportunities for participation by all customers classes. This also includes educational programs, some of which were offered in previous MEEIA cycles, along with new pilot process for future program adoption and learning. The sectors will also continue utilizing Advanced Meter Infrastructure ("AMI") data to support

[29] File No. EO-2019-0132, *Amended Report and Order*, Issued March 11, 2020, p. 13, paragraph 34.
[30] *See* RsMO. Section 393.1075(3) and (4).

programs and EM&V efforts to increase program efficiencies and participation. The Plan represents 822 GWh of cumulative energy savings, 517 MW of cumulative demand savings, is cost effective with a TRC of 1.64 and provides $303M of total net benefits.[31]

Additionally, the Company designed the Income-Eligible Sector Programs to build on its continued success and award-winning design[32] and innovation with its suite of programs that seek to support Ameren Missouri's most vulnerable customers and communities. The suite of income-eligible sector programs[33] includes the MFIE, SFIE and BSS programs. For example, the income-eligible sector is designed to target customers and communities of highest need. The various programs include eligible customers from multiple rate classes including: 1M (residential), 2M (small general service), 3M (large businesses service) and 4M (small primary service). The income-eligible sector of programs meets the requirements in the MEEIA laws and the Commission's rules, continues to improve and become more robust each cycle. By MEEIA requirements, income-eligible programs do not need to be cost-effective, however the program design in the Plan has a modeled TRC of 1.23.[34] This future expectation is supported by the overall income-eligible sector TRC of 1.25 in 2022.[35] Additionally, the 2024 draft EM&V report indicates the Company's income-eligible programs were cost-effective for program year 2023. The fact that this sector is cost effective means that it is providing total net benefits to all customers.

The Residential Sector Programs continues to build on its relationship with over 500 program partners and trade allies to offer programs through multiple channels, garnering high

[31] Amended MEEIA 4 Plan – Table 1 – Portfolio Cost-effectiveness Summary pg. 16.
[32] https://www.meeaconference.org/awards/2022-innovation-international-center-appropriate-and-sustainable-technology-icast
[33] Amended MEEIA 4 Plan – Income-Eligible Sector Programs pg. 21-30
[34] Amended MEEIA 4 Plan – Appendix A – Summary Tables – Total Resource Cost Test Table pg. 11.
[35] Ameren Missouri Program Year 2022 Annual EM&V Report.

participation. The Residential Sector Programs[36] consists of successful cost-effective core programs (i.e., Efficient Products (retail and on-line channels), HVAC, Energy Efficient Kits, Multifamily Market Rate) that have been part of the portfolio for duration of MEEIA since 2013, along with a new program offering (Whole Home New Construction). The residential portfolio also includes the PAYS program which is currently not cost-effective. However, there is collaboration with all investor owned utilities and regulatory stakeholders to improve the design and implementation support for all customers to increase participation and energy savings. The Residential Sector programs target all Ameren Missouri residential customers and builds on past program lessons learned to increase participation by educating customers, program partners, and trade allies on the benefits of energy efficient technology. The successful suite of residential sector programs support a customer's journey to embrace energy efficiency technology by offering over 15,000 high efficiency heating, ventilation, and air conditioning ("HVAC")/heat pump ("HP") systems and over 20,000 advanced smart thermostats incentive rebates in 2022[37], and have exceeded those rebate totals in 2023. This supports the marketing and educational efforts of our customers and helps our program partners/trade allies to understand the value and benefits of energy efficient technology to control their energy cost and needs. The Residential sector is cost effective with a TRC of 1.52, providing approximately $50M of total net benefits.

To support the education of our customers, program partners, and trade allies, the Plan is reintroducing select educational programs. Although these programs do not provide direct energy savings, they provide the education and direction to support all Ameren customers rate classes in understanding the innovative technology that will aid them in taking control of their

[36] Amended MEEIA 4 Plan – Residential Sector Programs pg. 30-38.
[37] Ameren Missouri Program Year 2022 Annual EM&V Report.

energy cost with increased comfort and improved health and safety. The suite of educational programs[38] consist of: Building Science Training, Residential Code Compliance, Community Based Organization Engagement, Building Operator Certification, Real Estate Education.

The Company continues to build on the Business Sector Programs success since the programs began in 2009. The sector[39] consists of successful cost-effective core programs that contain Custom, Standard, Retro-Commissioning, and Small Business Direct Install ("SBDI") programs. The Business Sector Programs also will be targeting specific segments to increase participation. These segments include agriculture, schools, and specific measures for new construction projects. This sector also introduces a new Business Midstream program to build on the success of the residential HVAC midstream channel. The Business Sector Programs target all eligible business rate class customers with the exception of opt-out customers.[40] The suite of programs provides opportunities for all customers to participate and take control of its energy cost and needs. The Business sector is also quite cost-effective with a TRC of 2.26 and provides approximately $250M of total net benefits.[41]

Ameren Missouri introduced the Demand Response ("DR") Sector Programs as part of its MEEIA 3 cycle. The Demand Response Sector Programs[42] consist of two successful cost-effective programs: Residential DR and Business DR. The Demand Response programs allow customers to manage peak electric demand, increase grid capacity, improve system reliability, and support customer affordability. The Plan anticipates achieving over 259 MW of demand by 2027 as a result of its Residential and Business DR programs. Ameren Missouri plans continued

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[38] Amended MEEIA 4 Plan – Education Programs pg. 32.
[39] Amended MEEIA 4 Plan – Business Sector Programs pg. 38-48.
[40] Amended MEEIA 4 Plan – Business Customer Opt-out pg. 41.
[41] Amended MEEIA 4 Plan – Table 5 pg. 38.
[42] Amended MEEIA 4 Plan - Demand Response Sector Programs pg. 47-53.

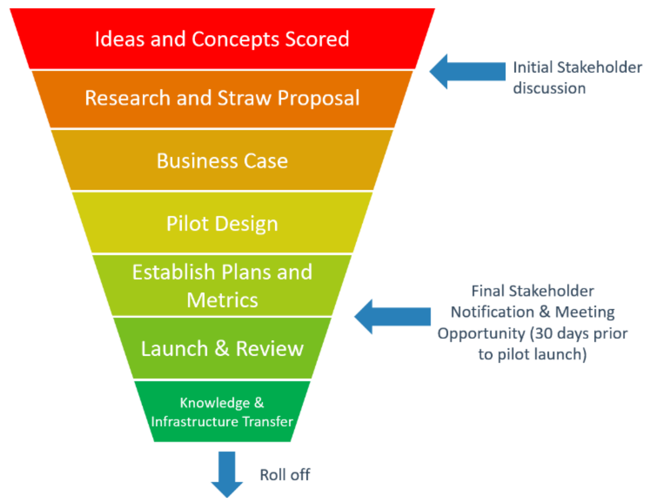
participation in the Midcontinent Independent System Operator, Inc.'s ("MISO") Planning Resource Auctions as a Load Managed Resource.

The Residential DR program targets residential customers and builds on its current success with an enrollment of 54,800 advanced smart thermostats. The program seeks to expand by increasing enrollment to 80,000 advanced smart thermostats by end of 2027 and will include additional controllable devices (electric vehicles and water heaters). The program also seeks to support system reliability based on MISO, locational, and seasonal demand needs.

The Business DR program partners with all business rate classes and customer segments ranging from retail, schools K-12, manufacturing, colleges and universities, and others to reduce demand. An enhancement to the Business DR program was introduced for PY24, as Pursuant to Section 393.1075.10 RsMo., customers electing to opt-out of MEEIA are eligible to participate in the Business Demand Response program.[43] This addition has allowed the program to expand as the Company has seen strong interest by opt-out customers. The program currently has 264 business customers enrolled and under contract representing 131 MW enrolled in MISO for the summer of 2024. Ameren Missouri registers the capacity from Business DR programs in MISO market. Addition to the system reliability and grid capacity support, the Demand Response Sector is cost-effective with a TRC of 1.52 and provides approximately $250M of total net cost benefits.[44]

The Plan initiates a new Pilot process[45] to foster innovation by exploring the advancement of new technologies and changing market. The process includes the following steps identified in the graphic below.

[43] Amended MEEIA 4 Plan – Business MEEIA Opt-Out DR Customer Participation pg. 49-50.
[44] Amended MEEIA 4 Plan – Table 6 pg. 53.
[45] Amended MEEIA 4 Plan – Pilot Programs pg. 54-57.



This process includes interaction and collaboration with stakeholders throughout. As mentioned as part of our RFP process, 25 plus pilot proposals were received. The Plan identified a few promising pilots to start which include Commercial Washing Machines, Demand Response Backup Generator Control, On-Bill PAYS Financing (Business), Reverse Auction, and UHI.

As one can see throughout this approach, design, and final product, the Plan was developed to include a robust portfolio of cost-effective programs to increase customer total benefits and program participation.

Q. Was there interaction and collaboration with Staff and OPC prior to filing the MEEIA 4 Plan?

A. Yes, Ameren Missouri originally filed MEEIA 4 Plan on March 27, 2023, and prior to the initial filing conducted workshop presentations over six months prior to filing.[46] These workshops laid out all the elements of the Company's Plan from programs, budgets, savings targets, prospective EM&V, DSIM process, earnings opportunity matrix, and more. Ameren Missouri also provided Staff and OPC with a pre-copy of the filing prior to formally

[46] *See also* File No. EO-2023-0136, Antonio M. Lozano Direct Testimony, p. 14, l. 7 through p. 20, l. 3.

filing it with the Commission. The current amended MEEIA 4 filing is consistent with the original filing and the workshop presentations provided. These workshops and collaboration meetings were outlined in the direct testimony of Company witness Antonio M. Lozano.[47]

IV. THE MEEIA 4 PLAN PRODUCES $303 MILLION IN NET BENEFITS

Q. Staff asserts that all customers (participating and non-participating) are not benefiting from our MEEIA 4 Plan. Is this accurate?

A. No. The Company's Plan provides cost-based modeling that demonstrates that all customers will receive $303 million dollars of total net cost benefits. The benefits modeled are consistent with $1.3 billion plus identified by the annual EM&V process in previous cycles from 2013-2022 third-party evaluator and the Commission Staff auditor. With sustained robust program offerings, it is reasonable to assume that long term the total net benefits of participants and non-participants will be realized, and all customers will benefit from lower bills. Also as demonstrated by the $1.3 billion plus net benefits identified in MEEIA 1-3 cycles, compounding of plans will continue to benefit customers and support their future energy needs.

Q. Staff believes a utility should "[d]etermine whether the programs will be beneficial to all customers in the customer class in which the programs are proposed, regardless of whether the programs are utilized by all customers. This analysis should recognize the allocation of potential benefits and the expected cost recovery of the programs, including operation of the FAC. If the programs will not meet this requirement, the programs should be redesigned and reassessed."[48] Do you agree this is a reasonable approach?

[47] *See* File No. EO-2023-0136, Antonio M. Lozano Direct Testimony, p. 14, l. 7 through p. 20, l. 3.
[48] File No. EO-2023-0136, J. Luebbert Direct Testimony, p. 37, ll. 9-14.

A. To the extent Staff's approach is consistent with the MEEIA statute, it is reasonable. Certainly, programs offered should provide benefits to all customers in the same customer class. It is not clear to me that the operation of the fuel adjustment clause ("FAC"), is relevant in the program design given the purpose of offering MEEIA programs. As I noted above, the Commission determined that "MEEIA is not a program for managing generation and providing supply-side power. MEEIA is designed to compensate the utility for promoting energy efficiency as it encourages its customers to save money by using less of the product the utility sells."[49]

Q. Does the Company's MEEIA 4 Plan support the MEEIA goal of achieving all cost-effective demand-side savings and providing maximum net customer benefits?

A. Yes. Ameren Missouri has supported and implemented three, successful three-year MEEIA cycles (MEEIA 1 2013-15, MEEIA 2 2016-18, and MEEIA 3 2019-21) that provided over $1.3 billion in total net benefits. Since, MEEIA 2019-21 plan, Ameren Missouri has gained approval for three one-year extensions for years 2022-2024. Although this approval supports one of the key priorities of continuation of programs it does not best support long-term benefits for our customers. Plan approval for 2025-2027 will support achieving deeper customer savings, ideally in regard to long lead time projects with typically large investment for customers. Customers seek the commitment from the energy efficiency programs to push these projects forward. Ameren Missouri's 2023 IRP analyses clearly identifies demand-side programs is the lowest cost and best long-term strategy to meet future resource needs and reduce customer risks.

[49] File No. EO-2019-0132, *Amended Report and Order*, Issued March 11, 2020, p. 13, paragraph 34.

V. THE COMPANY PROPOSED TARIFFS IN REVISED APPENDIX J ARE REASONABLE

Q. Do you agree with Staff recommendation for all the elements that should be outlined in the tariffs.[50]

A. No. The current tariffs meet- the requirements of MEEIA law. The Plan includes exemplary tariffs that satisfies all of the conditions Staff expressed. The Plan includes Rider Energy Efficiency Investment Charge ("EEIC"), overarching energy efficiency and demand response portfolio, and individual energy efficiency program tariffs in Appendix J.[51] The tariffs clearly identify Rider EEIC tariff[52] which defines the calculation, determination, and recovery mechanism for all program charge components (program cost, throughput disincentive, and earnings opportunity). The overarching energy efficiency portfolio tariff provides a description of all of the business and residential (including education and low-income) programs, change process, change in measures or incentives. The Demand Response overarching general tariffs provides the purpose, definitions, availability, term, description, change process, program cost and changes in measures or incentives. The individual program tariffs provide the purpose availability provisions, eligible measures and incentives of the program.

The Plan includes detailed program descriptions for all individual energy efficiency and demand response program in Appendix B – Program Templates. Include in the program templates the program objective, target market, schedule, detailed description, eligible measures and services, implementation strategy, market transformation elements, response to evolving

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[50] File No. EO-2023-0136, Direct Testimony, J Luebbert, p. 40, ll. 13-23 and p. 41, l.5.
[51] Amended MEEIA 4 Plan – Appendix J – Exemplary Tariff Sheets.
[52] Ameren Missouri Rider Energy Efficiency Investment Charge ("EEIC") tariff.

markets, marketing strategy, EM&V requirements, design flexibility, and estimated participation MWh. Additional individual program metrics (annual budgets, energy and demand savings, measure counts, cost-effectiveness, etc.) are contained in the Plan's submittal tool.[53]

VI. ELIGIBLE FEDERAL FUNDING SHOULD BE BRAIDED WITH THE MEEIA 4 BUDGETS INCLUDING THE INCOME-ELIGIBLE PROGRAMS

Q. Staff and OPC mention that the Inflation Reduction Act ("IRA") will provide funding for customers who want to install energy efficiency measures. Did the Company consider the impact of the IRA on energy efficiency and demand response?

A. Yes. Since the introduction of the IRA, Ameren Missouri DSM team, along with other utilities and DSM implementation contractors, has been gathering information to understand the potential impact on future DSM portfolios. The 2023 MPS included assumptions in regard to tax credit impacts, as modifications to adoption rates to reflect additional participation as a result of IRA funds were included in the base case for energy efficiency and demand response. IRA funds are presented in several streams, some of which are more easily integrated into the analysis at this time (tax credits) and others which have much left to be determined (Home Energy Rebate programs). Missouri Department of Natural Resources ("MODNR"), whom would be overseeing and submitting for IRA funds for the state of Missouri published the following on their website, " Sections 50121 and 50122 of the Inflation Reduction Act which authorize formula-based funding to states to offer rebates for home energy efficiency and electrification. The state of Missouri has announced

[53] Amended MEEIA 4 Plan Workpapers – MEEIA 4 2025-2027_ AMOSubmittalTool_w_Sources_2024_01_24

they will submit applications to receive $75,807,060 for Home Efficiency Rebates and $75,366,640 for Home Electrification and Appliance Rebates under these statutory provisions, then offer rebates through subsequent programs."[54] As the budgets provided above are for the state of Missouri, only a fraction of those budgets will be accessible for energy efficiency upgrades. One can assume conservatively that 50% of the application budget will be available for Ameren Missouri customers, which includes administrative cost of 20%. After these inputs, the combined budget for the two Home Energy Rebate ("HER") programs over a 10-year period would be approximately $45,300,000. This means that the programs would receive roughly $4.5M annually which is 17% of the Plans income eligible average annual planned budget of $25.8M, and 32% of the current approved PY24 income eligible budget of $14.1M.

To maximize their impact, federal funds should be braided with existing utility program structures to increase participation, energy savings and total benefits for customers. Therefore, one can reasonably assume that HER rebates absent utility programs will have a minimal impact on Missouri customers and energy efficiency and demand response programs.

Q. Do you foresee IRA rebates being offered to customers in Missouri in 2025 at the start of the Ameren Missouri Plan?

A. No. MoDNR held a series of both in-person and virtual meetings to offer information on the Inflation Reduction Act Home Energy Rebates Programs and provide opportunities for public comments. Per those meetings, MoDNR will submit applications for funding in September and procure implementation contractor in 2025 (one year process). The

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[54] Missouri Department of Natural Resources website: Announcement: IRA Home Energy Rebates Public Feedback Sessions (govdelivery.com)

MoDNR will implement and launch programs in 2026. With the outlined schedule Ameren Missouri will be two-thirds through its Plan cycle prior to customers receiving any IRA rebates that are closely correlated with parts of the Company' Plan.

Q. Do you agree with Staff and OPC assertion that IRA funding should displace energy programs and more specifically income eligible programs?

A. No. Household electric energy cost is a significant burden for many families and small businesses across Missouri. Meeting the needs of income eligible customers is of significant importance to Ameren Missouri. As identified in the 2020 Market Potential Study, approximately 40 percent of Ameren Missouri's residential customers are income eligible. These customers typically have the greatest energy burden, defined as the proportion of energy bills to total income and face many barriers to participation in traditional energy efficiency programs. Working collaboratively with the Missouri State Energy Office to administer programs and build off of the success of what our income eligible programs have delivered is most beneficial to participating customers as well as all customers. As described above the IRA funding for rebates represents only a small portion of the income eligible budget identified in Ameren Missouri's Plan and is designated for a finite time frame.

The Ameren Missouri MFIE and SFIE programs have successfully served 1,785 (455 single family homes and 1,330 multifamily tenant units) in 2023, with a combined budget of $9.28M. Our income eligible programs are forecasted to serve over 2,400 income eligible customers with the approved $11.5M budget. Based on the calculations for the annual HER budget of $4.5M, MODNR will only be able to serve between 600-850 income eligible customers. From this example displacing utility income eligible programs with IRA funding will be a detriment to supporting and reducing the energy burden to the most vulnerable income eligible customers.

Q. Do you have awareness of a model that braids federal funding with Energy Efficiency programs?

A. Yes. In Illinois, the Community Action Agency channel provides a great example. The agencies implementing the Illinois Housing and Weatherization Assistance Program can braid funding for select measures with utility dollars. The cost of these measures is split 50/50 with the agencies and only require adhering to current efficiency requirements laid out in the Illinois TRM. Additionally, Utility offers a stipend per project to compensate agencies for time spent completing program paperwork. Braiding of funds creates efficiencies and eliminates duplication of administrative task and cost. This illustrates how the braiding of funds can be very beneficial and deliver more energy savings to the customers.

Q. Do you agree with Staff which claims there is no need for MEEIA low-income programs, as there are sufficient non-MEEIA and federal assistance programs?

A. No. Meeting the needs of low-income customers is of significant importance to Ameren Missouri. As noted above, approximately 40 percent of Ameren Missouri's residential customers are income eligible. These customers typically have the greatest energy burden, defined as the proportion of energy bills to total income and face many barriers to participation in traditional energy efficiency programs. Reiterating from above, although the annual federal funding for Missouri is not as large as perceived, it makes sense that it should be additive to the existing Plan to support the growing need of income-eligible customers. Federal funding alone will not resolve the issue. Neither will the Company's Plan. However, combined, they will support customers in a way simply not possible otherwise and help to show strong progress.

There is no one best delivery strategy that can meet all equity, equality, and efficiency goals for the income eligible and underserved communities. Instead, meeting the needs of income eligible customers will require a flexible approach across multiple programs and offerings, with continued programmatic funding and support from federal assistance and utility energy efficiency and demand response programs. It will also require effective co-delivery with natural gas utilities for customers with gas heating. Ameren Missouri's Plan continues to position its income eligible programs to meet these multiple needs.

For example, the MFIE program seeks to build on its cost-effective program design that includes its one-stop-shop concierge service approach which continues to provide comprehensive retrofit projects to multifamily building owners along with financing and technical support. The program has recognized multifamily building owner engagement and participation increase over the current MEEIA 3 cycle with a demand that is greater than the current approved budget. Additional benefits to the program include a successful partnership with Spire Inc., in which we co-deliver the program to provide the multifamily building owner and tenants with additional energy cost control and savings from their natural gas utility bill.

The SFIE program seeks to continue to build on its successful program design which continues to provide no cost comprehensive retrofit projects to single family customers and alleviate energy burden in disproportionately impacted communities. The SFIE programs also targets a hard to reach all electric mobile home income eligible communities. This unique design upgrades mobile homes with Air Source Heat Pump replacements and upgrades. Similar to the MFIE program, the SFIE provides additional benefits with its successful partnership with Spire Inc. Through this partnership customers can receive no cost high efficiency furnace replacement which provide significant energy cost control and savings from their natural gas utility bill.

The BSS program objective is to support nonprofit tax-exempt business customers that provide social services to the low-income public. The BSS program seeks to continue to build on its successful program design and deliver and install low-cost and/or no-cost energy efficiency measures in these business social services facilities so they can better serve income-eligible individuals. This is a unique opportunity to target businesses that directly interact with low-income customers because that is the businesses' primary objective. The program has continued to grow and expand.

As demonstrated, there is a greater need to serve income eligible population in Missouri. The Plan provides the programs, budget and proven successful infrastructure and structure to support the energy needs of the income eligible customers and communities and the nonprofit agencies that support them.

Q. Does the MEEIA 4 Plan include programs that continue to partner with natural gas utilities to co- deliver Multifamily and Single Family Income Eligible programs?

A. Yes. Ameren Missouri remains committed to co-delivering its income eligible energy efficiency programs with its partner natural gas utilities. Similar to the braiding mentioned above, the co-delivery of electric and natural gas programs assists customers in reducing their overall energy usage and allocates the costs between the two companies.

For example, under the agreements' natural gas companies, the Company does not promote fuel switching. As part of the co-delivery partnerships, Ameren Missouri will continue to do the following:

- Provide building and home assessments that includes an evaluation of the feasibility of both electric and natural gas measures;

- Support customers in their efforts to obtain incentives from natural gas utilities; and
- Report on co-delivery progress at quarterly Regulatory Stakeholder Meetings, including the number of measures, buildings, and single family homes and multifamily units co-delivered.

It is noteworthy that Ameren Missouri does not have control over the approved natural gas budgets of its partnering natural gas utilities to be allocated toward the income-eligible programs. The Plan's income eligible program budgets only include electric implementation and incentive costs.

Q. Staff claims that MEEIA Low Income programs are not reaching those customers who need them.[55] Do you agree with this?

A. No. The 2020 MPS identified over 40% of the Company's customers as income eligible. That equates to over 450,000 customers. Current program and Plan strategies focus on tiered geographic, and income-based approach, and provide both broad and deep savings throughout the community enhanced incentives and deeper savings. Over the past five years, the MFIE and SFIE Programs have served more than twelve thousand income eligible households in our service area and reduced annual customer energy use by 23,000,000 kWh. Both the MFIE and SFIE programs are growing in response to overwhelming interest from multifamily property owners and management companies, income eligible agency referrals, and highest need income eligible customers and communities. Ameren Missouri is hoping to significantly expand the number of customers served over the next three years, as highlighted by proposed budget increases in the recent filing for the 2025-2027 energy efficiency program cycle.

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[55] File No. EO-2023-0136, Amy L. Eichholz Direct Testimony, p. 7, ll. 1-21.

Multifamily properties are eligible for MFIE program incentives if they satisfy one of the following requirements:

- Reside in federal, state, or local subsidized housing and fall within that program's income guidelines.
- Reside in non-subsidized housing with proof of income levels at or below 80% of area median income.
- Fall within a census tract that indicates at least 85% of customers are at or below 80% of area median income.

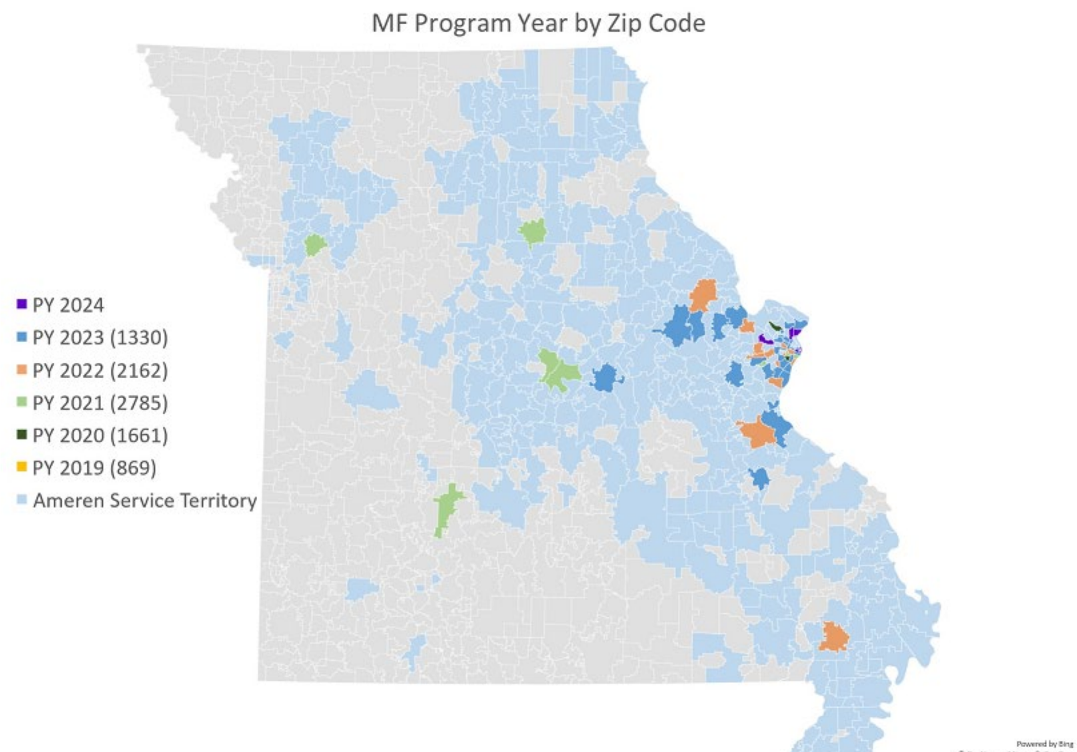
Where a multifamily property does not meet one of the eligibility criteria listed above but has a combination of qualifying tenants and non-qualifying tenants, at least 50% of the tenants must be eligible to qualify for the entire property.

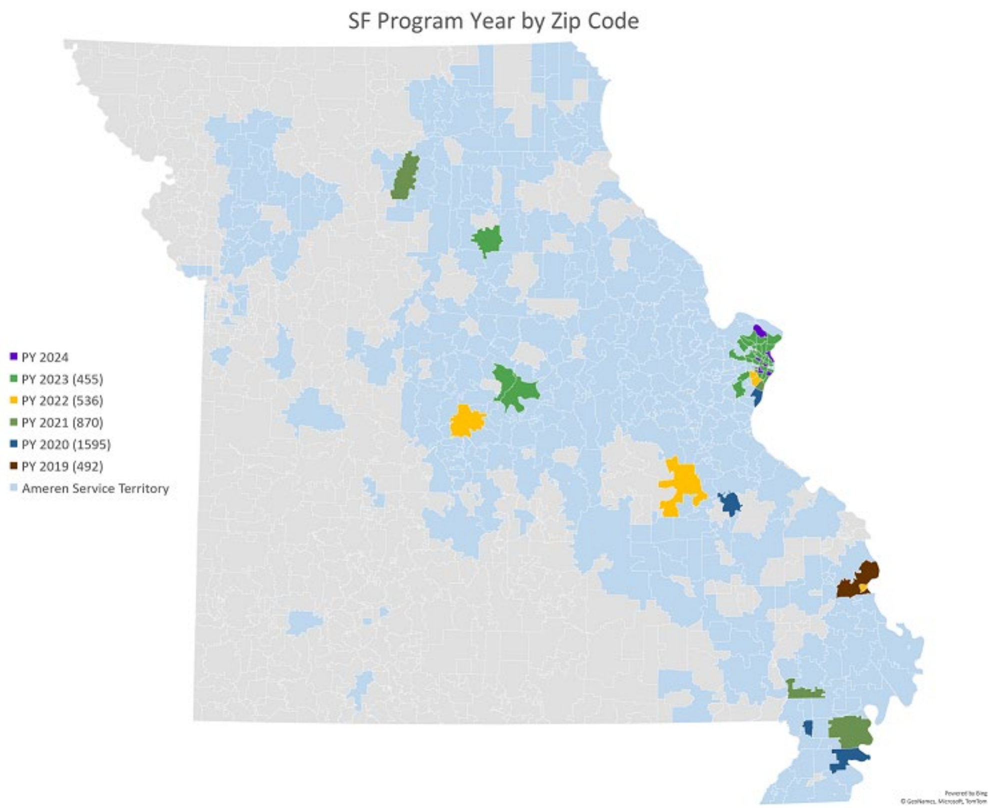
Single family customers are eligible for participation if they reside in single family detached housing, duplexes, and/or mobile homes and meet one of the following income eligible requirements:

- Participation in federal, state, or local subsidized housing program.
- Proof of resident income levels at or below 80% of area median income or 200% of federal poverty level.
- Fall within a census tract included on Ameren Missouri’s list of eligible low-income census tracts.

The SFIE program use a targeted neighborhood approach, and continuing collaboration with community-based organizations to identify income-eligible underserved and disadvantaged communities with the greatest need, such as those with high energy usage, and high incidence of arrearages or payment delinquencies.

The MFIE and SFIE programs have been very successful with is one-stop-shop comprehensive whole-home and building design approach. The design has provided energy savings results of more than 15% per customer, which is equivalent to eliminating two annual electric utility bills. The participants also received additional energy savings through our partnership with NG utilities. The maps below display the income eligible participation throughout the Company's service territory.





VII. DEMAND RESPONSE PROGRAMS AND MISO CAPACITY NEEDS

Q. Do you agree with Staff's position that Ameren Missouri's Business Demand Response ("DR") program might lose participants because customers might migrate and sign up with Aggregators of Retail Customers ("ARCs")?[56]

A. No. Although it's possible that customers can migrate to ARCs, the Business DR program has not seen this materialize. The Company has built a strong Business DR program since its inception in 2019. The program currently has 264 business customers enrolled and under contract representing 131 MW. Ameren Missouri Business DR program is enrolled

[56] File No. EO-2023-0136, Jordan T. Hull Direct Testimony, p. 3, ll. 16-21.

in MISO for the summer of 2024. On October 12, 2023, the Commission issued an Order Partially Modifying the Commission's 2010 Order Regarding ARCs. Since the Commission's ruling, the Program has continued to thrive signing up an additional 11 customers with engagement of an additional 25 plus customers. This speaks to value and trust customers see in the Company's Business DR program and Ameren Missouri as a whole.

Q. Is Ameren Missouri Demand Response programs looking to expand to include winter demand response reductions?

A. Yes, Ameren Missouri filed and received approval for modifications to its demand response tariff in January 2024 through its MEEIA 11-step process. The modifications to the Residential and Business Demand Response – General,[57] Residential Demand Response,[58] and Business Demand Response[59] tariffs allow for events year-round, in the entire calendar year. The Residential DR tariff states, "[t]his Program is available for the Program Period. The Program will dispatch Events to reduce peak demand during the calendar year and will reduce energy usage during normal operations throughout the year."[60] The residential DR tariff was also modified to allow a maximum of 20 events per calendar year to support the flexibility of calling winter events. The Business DR tariff states, "[t]his Program is available for the Program Period. This Program is available for dispatch 24 hours a day and 7 days a week during the calendar year."[61] This change will be in effect for winter 2024 through December 31st, in which we have MEEIA 3 PY24 program approval. There is no long-term approval yet to support winter months in calendar

[57] Demand Response Tariff - Business Demand Response - General and Residential Demand Response - General
[58] Residential Demand Response Tariff - Residential Demand Response Program
[59] Business Demand Response Tariff - Business Demand Response Program
[60] Residential Demand Response Tariff - Residential Demand Response Program
[61] Business Demand Response Tariff - Business Demand Response Program

year 2025 and beyond, limiting the Company's ability to maximize the benefits of this change to customers.

Q. Do you agree with Staff that MEEIA programs should be mindful of MISO capacity needs?

A. Yes. The Company considers the different seasons of the MISO capacity year when designing and deploying demand response programs. Ameren Missouri updated is Demand Response program tariffs[62] to allow for seasonal events to coincide with MISO capacity year. The Plan has a date allowance for Demand Response programs to extend through February 29, 2028, to account for full coverage of the winter season in MISO's capacity Planning Resource Auction (PRA). For business demand response, the cumulative demand response capability will be the evaluated MW from customers enrolled during each Program Year's MISO season events plus tested MW from new enrollees before the end of the prior program year. Ameren Missouri is not registered in MISO winter season which extends through February 2025, as the current Ameren Missouri Demand Response programs are approved through December 31, 2024. Approval of the Plan which includes seasonal DR will provide Ameren Missouri and its customers additional flexibility support for the Ameren Missouri system and the MISO market.

Q. **Do you agree with Staff that, "Demand reductions in the winter can be achieved through the same thermostat that is enrolled in the summer demand response program; however, it would limit the enrollment to equipment that can provide reductions, such as heat pumps."**

[62] Demand Response Tariff - Business Demand Response - General and Residential Demand Response - General

A. Yes, Ameren Missouri filed and received approval for modifications to its demand response tariff in January 2024. The modifications to the Residential and Business Demand Response - General[63], Residential Demand Response[64], and Business Demand Response[65] tariffs allow for events year-round, in the entire calendar year. The Residential DR program has implementation plans to complete an event in December 2024 targeting customers with Heat Pumps. The Plan identifies future opportunities to support winter events with innovation solutions by expanded program to include electric vehicles and water heaters.

VIII. EISA IMPACTS AND FUEL SWITCHING

Q. Is there a need to continue to provide incentives for LEDs based upon the Energy Independence and Security Act of 2007 ("EISA"), which required all general service lamps meet LED standard of 45 lumens per watt by July 1, 2023.

A. Yes. All of the lighting that we currently incentivize in the Business energy efficiency programs and included in the Plan are not affected by EISA or any other federal code. The Company closed the Residential Lighting Program, which incentivized LEDs in retail, big box, and home improvement retail stores, at the end of 2021 program year but continued with the Community Lighting program to support income eligible customers in underserved communities.

There is still a disparity in the penetration rate of LEDs amongst the income eligible community. The MFIE program in 2023 and 2024 to-date is replacing an average of 10

[63] Demand Response Tariff - Business Demand Response - General and Residential Demand Response - General
[64] Residential Demand Response Tariff - Residential Demand Response Program
[65] Business Demand Response Tariff - Business Demand Response Program

incandescent/halogen bulbs with LEDs per multifamily tenant unit. The Plan has multiple channels to continue to incentivize LEDs to underserved income eligible customers and disadvantaged communities. The program channels include direct install of LEDs as part of our MFIE and SFIE programs, provide in kits to underserved communities and educational programs and provide discounted LED bulbs in community retailers in disadvantaged and underserved income eligible community zip codes within the Company's service territory.

Q. OPC makes the claim that fuel switching associated with rebates is a real possibility. Is this the case or are there controls in the design and deployment of the portfolio that mitigate this?

A. The Company has been co-delivering programs with Spire Inc. (formerly Laclede Gas) for all MEEIA cycles since 2013. Both parties mutually agree, they will not pursue fuel switching marketing opportunities with the co-delivery of programs (CommunitySavers® Multifamily and Single Family Income Eligible and Energy Efficiency Kits – Program for Schools programs) and work together collaboratively to resolve issues that are discovered.

Q. Can you speak to NRDC's discussion that more savings are possible?

A. The 2023 IRP conducted various DSM scenarios from including no DSM, MAP and 100% and 80% of RAP. The IRP strategy selection landed on RAP DSM energy efficiency and demand response portfolio as the preferred plan. The IRP analysis showed a gap between the costs of the RAP and MAP portfolios increase in terms of the cost per kWh saved. As a result, the incremental cost of the MAP portfolio does not result in savings from the deferral of supply side resources that justify this cost, as evidenced by the PVRR analysis performed. The IRP also concluded that the achievement of energy savings at levels less than RAP portfolio would give rise to the need for more supply side resource additions, resulting in higher costs for customers. Therefore, from the alternative analysis performed as part of the IRP, there are additional DSM energy savings that are possible, but those scenarios will not provide the maximum benefit for customers.

Q. Does this conclude your rebuttal testimony?

A. Yes, it does.

BEFORE THE PUBLIC SERVICE COMMISSION

OF THE STATE OF MISSOURI

In the Matter of Union Electric Company d/b/a Ameren Missouri's 4th Filing to Implement Regulatory Changes in Furtherance of Energy Efficiency as Allowed by MEEIA.	))))	File No. EO-2023-0136

AFFIDAVIT OF TIMOTHY VIA

STATE OF MISSOURI)
) ss
CITY OF ST. LOUIS)

Timothy Via, being first duly sworn on his oath, states:

My name is Timothy Via and hereby declare on oath that I am of sound mind and lawful age; that I have prepared the foregoing *Rebuttal Testimony*; and further, under the penalty of perjury, that the same is true and correct to the best of my knowledge and belief.

/s/ Timothy Via
Timothy Via

Sworn to me this 26th day of April 2024.