BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS

In the Matter of the Application of Evergy Kansas Metro, Inc., Evergy Kansas South, Inc. and Evergy Kansas Central, Inc. for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act ("KEEIA"), K.S.A. 66-1283.	)))))	Docket No. 22-EKME-254-TAR

APPLICATION OF EVERGY KANSAS METRO, INC., EVERGY KANSAS SOUTH, INC. AND EVERGY KANSAS CENTRAL, INC. CORRECTIONS TO KEEIA REPORT

Evergy Kansas Metro, Inc. ("Evergy Kansas Metro") and Evergy Kansas Central, Inc. and Evergy Kansas South, Inc. (referred to together as "Evergy Kansas Central") (collectively referred to herein as "Evergy" or the "Company"), pursuant to discussions with all parties on April 29, 2022, related to minor errors found during the discovery phase of this proceeding and where Evergy shared corrections to these minor errors and communicated plans for filing this corrected report under the current procedural schedule, hereby submits its corrections to the *Evergy KEEIA 2023-2026 Demand-Side Management Portfolio Report* ("Report") filed with its Application in this docket on December 17, 2021. Attached to this pleading is (1) the testimony of Mr. Brian File explaining the reason for the corrections and providing an overview of the changes made, (2) a redlined copy of the pages of the Report showing what changes were made, and (3) a clean copy of those pages with the corrected information only.

Respectfully submitted,

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/s/ Glenda Cafer
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BEFORE THE STATE CORPORATION COMMISSION
OF THE STATE OF KANSAS

DIRECT TESTIMONY OF
BRIAN A. FILE

ON BEHALF OF
EVERGY METRO, INC., EVERGY KANSAS CENTRAL, INC.
AND EVERGY KANSAS SOUTH, INC.

IN THE MATTER OF THE APPLICATION OF EVERGY METRO, INC., EVERGY KANSAS CENTRAL, INC., AND EVERGY KANSAS SOUTH, INC. FOR APPROVAL OF TRANPORTATION ELECTRIFICATION PORTFOLIO.

DOCKET NO. 22-EKME-254-TAR

I. INTRODUCTION

Q: Please state your name and business address.

A: My name is Brian A. File. My business address is 1200 Main Street, Kansas City, MO 64105.

Q: On whose behalf are you testifying?

A: I am testifying on behalf of Evergy Metro, Inc., Evergy Kansas Central, Inc., and Evergy Kansas South, Inc. ("Evergy") in this proceeding.

Q: By whom and in what capacity are you employed?

A: I am employed by Evergy Metro, Inc. I serve as Director, Demand Side Management for Evergy, Inc., Evergy Metro, Inc. d/b/a Evergy Missouri Metro ("Evergy Missouri Metro") and Evergy Kansas Metro ("Evergy Kansas Metro"); Evergy Missouri West, Inc. d/b/a

Evergy Missouri West ("Evergy Missouri West"); and Evergy Kansas Central, Inc. d/b/a/ Evergy Kansas Central ("Evergy Kansas Central").

Q: On whose behalf are you testifying?

A: I am testifying on behalf of Evergy.

Q: What are your responsibilities?

A: My responsibilities include leading the demand-side management group (including energy efficiency and demand response) at Evergy for all jurisdictions. This function includes the deploying the Missouri Public Service Commission approved Missouri Energy Efficiency Investment Act (MEEIA) programs. Additionally, I have responsibility for a team focused on customer renewable energy programs and customer facing rates implementation (e.g. Time of Use).

Q: Please describe your education, experience and employment history.

A: I earned a Bachelor of Science degree in Chemical Engineering from the University of Kansas and a Master of Business Administration from the University of Missouri-Kansas City. Prior to Evergy, I worked in the petrochemical industry with Chevron Phillips Chemical Company in marketing and technical field sales roles. I have been employed at Evergy (and formerly KCP&L) since 2007 in roles varying from product management, key account relationships and economic development. I have held responsibility over the demand-side management team since 2013.

Q: Have you previously testified in a proceeding at the State Corporation Commission for the State of Kansas ("Commission" or "KCC") or before any other utility regulatory agency?

A: Yes, I have testified before both the KCC and the Missouri Public Service Commission ("PSC").

Q: What is the purpose of your testimony?

A: The purpose of my testimony is to explain corrections to the *Evergy KEEIA 2023- 2026 Demand-Side Management Portfolio Filing* ("Report") that is being filed concurrently with my testimony.

Q: Can you summarize the corrections?

A: There are a total of three corrections to be made that were uncovered in the discovery phase of the proceeding. The details of the three corrections are in the table below:

	Correction/Update	Jurisdiction	Specific Source Document	Brief Description of change
1	SPP Fees – cell reference error and time value of money correction	Central and Metro	CONF_KEEIA SPP transmission fee impact (v20 program results).xls "KS Central" tab and "KS Metro" tab	Cell reference error in row 48 inadvertently pulled in annual $ value twice. Also, calculation of $ to account for time value of money discounted to incorrect year.
2	Avoided T&D Capacity cell reference error	Central only	CONF_TD Avoided Cost Calc vF.xls "KS Central Corrected" tab	Cell reference error in the "Preliminary Forecast Summary" caused capital spend

				totals to be incorrectly summed
3	Financial recovery model cell reference error	Central and Metro	CONF_KEEIA EE DR Riders Calculator V11 (v23 programs) – KS Central Workpaper.xls (also KS Metro version) "DSMore Results" tab	Cell reference error led to not capturing the T&D benefits for the programs in the benefits of total avoided costs by program – will be fixed by modifying DSMore output used for financial recovery

Q: How do these corrections affect the values of the proposed plan?

A: While these corrections run through many of the figures in the report, the material nature of the change is relatively small. The corrections only slightly move the cost effectiveness down and slightly up on customer rates. An example of the cost effectiveness updates can be seen below by looking at the Total Resource Cost (TRC) test results for the 4 year programs in the original filing and the revised by program.

TRC Results (Metro)	Metro Original Filing	Metro REVISED 0522	Difference
Program			
Business Demand Response	4.48	4.09	(0.39)
Whole Business Efficiency	1.58	1.53	(0.05)
Business Energy Education	N/A	N/A	N/A
Hard-to-Reach Businesses	1.34	1.31	(0.03)
Hard-to-Reach Homes	1.37	1.32	(0.05)
Home Demand Response	7.65	7.08	(0.57)
Whole Home Efficiency	3.51	3.39	(0.12)
Home Energy Education	N/A	N/A	N/A
Pilot Incubator	N/A	N/A	N/A
Total	**1.95**	**1.88**	**(0.07)**

TRC Results (Central)	Central Original Filing	Central REVISED 0522	Difference
Program			
Business Demand Response	3.00	2.81	(0.19)
Whole Business Efficiency	1.79	1.74	(0.04)
Business Energy Education	N/A	N/A	N/A
Hard-to-Reach Businesses	1.51	1.48	(0.03)
Hard-to-Reach Homes	1.93	1.88	(0.05)
Home Demand Response	8.42	7.95	(0.47)
Whole Home Efficiency	4.18	4.08	(0.11)
Home Energy Education	N/A	N/A	N/A
Pilot Incubator	N/A	N/A	N/A
Total	**2.18**	**2.12**	**(0.06)**

Additionally, a sample of the financial recovery impact to customer rates can be seen by the comparison table below. The values represent the figures impact from the total 4 year investment proposed.

Financial Recovery (Central)	Central Original	Central Corrected	change
Total Recovery ($)	$ 182,024,719	$183,911,888	$ 1,887,169
EER rate Avg - Res ($/kWh)	0.0018	0.00182	2E-05
EER rate Max - Res ($/kWh)	0.00402	0.00406	4E-05
EER rate Avg - Bus ($/kWh)	0.00108	0.00109	0.00001
EER rate Max - Bus ($/kWh)	0.0022	0.00222	2E-05
EO Total @ target ($)	$ 16,611,948	$ 18,499,117	$ 1,887,169
NPV Net Bill Savings ($)	$ 27,999,588	$ 26,820,033	$ (1,179,555)

Financial Recovery (Metro)	Metro Original	Metro Corrected	change
Total Recovery ($)	$ 65,466,353	$ 66,095,411	$ 629,058
EER rate Avg - Res ($/kWh)	0.0015	0.00151	0.00001
EER rate Max - Res ($/kWh)	0.00341	0.00343	2E-05
EER rate Avg - Bus ($/kWh)	0.00138	0.00139	0.00001
EER rate Max - Bus ($/kWh)	0.00287	0.00289	2E-05
EO Total @ target ($)	$ 5,991,301	$ 6,620,359	$ 629,058
NPV Net Bill Savings ($)	$ 14,310,888	$ 13,918,580	$ (392,308)

Q: Can you share a complete list of parts of the Report that are affected by these corrections?

A: We are providing a redlined copy and a clean copy of all the below documents showing the changes that are necessary based on the corrections.

Main Filing Report contains the overview and specific figures related to cost effectiveness and financial recovery that are updated.

Appendix A contains a detailed description of the proposed residential and business programs and updates are focused on the program level cost effectiveness.

Appendix E has the financial recovery model and earnings opportunity matrix which are updated

Appendix F is the EER tariff sheets also include updates to the earnings opportunity matrix.

And all associated workpapers that support the corrections and updates will be filed in the case as well.

Q: Does this conclude your testimony?

A: Yes, it does.

KCC Filing
Evergy Kansas Metro & Evergy Kansas Central

KEEIA 2023 – 2026 Demand-Side Management Portfolio Filing

~~December 17, 2021~~[BF1] May 2022 Update

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[BF2][BF3]

KEEIA | Kansas Energy Efficiency Investment Act

4-Year Program Plan: *Continuing Evergy's commitment to energy efficiency and sustainability*

OVERVIEW

9 core residential and business programs

$13 million in income-eligible programs

$42 million in residential customer incentives

$22 million investment in small businesses and non-profits

30+ direct jobs expected to be created *(and many more indirect)*

Over **$2 in benefits** for each $1 spent

$42 million in anticipated net bill savings

IMPACT

39,000 homes powered with energy saved annually

45,000+ Equivalent number of cars taken off the road annually with reduced emissions

325,693 MWh annual energy savings

KEEIA | Kansas Energy Efficiency Investment Act

4-Year Program Plan: *Continuing Evergy's commitment to energy efficiency and sustainability*

OVERVIEW

9 core **residential** and **business programs**

$13 million in income-eligible programs

$42 million in residential customer incentives

30+ direct jobs expected to be created *(and many more indirect)*

Over **$2 in benefits** for each $1 spent

$22 million investment in small businesses and non-profits

$40 million in anticipated net bill savings

IMPACT

39,000 homes powered with energy saved annually

45,000+ Equivalent number of cars taken off the road annually with reduced emissions

325,693 MWh annual energy savings

1. Executive Summary

The benefits of utility demand-side management (DSM) energy efficiency (EE) and demand response (DR) programs have made a significant impact across the nation for decades. American Council for an Energy-Efficient Economy's (ACEEE) State Energy Efficiency Scorecard[1] ranks the state of Kansas EE efforts as 47th out of all 50 states and Washington, DC. This ranking indicates that there is much opportunity to grow in this area to positively impact customers with the combination of understanding the benefits of DSM, choosing to invest in higher energy-efficient equipment and effecting behavioral change to lower their energy bill while also improving their community – from the increase in economic activity to lowering carbon in their communities.

DSM efforts are not new in Kansas. Several Kansas Corporation Commission (KCC) orders beginning in early 2000 began to shape the DSM regulatory landscape in Kansas regarding DSM recovery, programs, budgets, avoided cost and fuel switching. In addition, Evergy has a long history of educating, developing, implementing, and offering DSM to its customers. Prior to the merger with Westar Energy, Inc. (Westar) to form Evergy, Kansas City Power & Light Company (KCP&L) began offering DSM programs in earnest in 2005 in Kansas[2]. At that time, the portfolio of programs established within KCP&L's Comprehensive Energy Plan[3] in Missouri and Kansas represented a significant commitment on the part of Evergy to promote DSM to ensure that all classes of customers had programs in which they could participate. This commitment to DSM by a Kansas or Missouri utility was unprecedented at the time of the 04-1025 S&A and the 0329 S&A. KCP&L remained committed to these programs even after the conclusion of the Comprehensive Energy Plan. Concurrently, Westar, now Evergy Kansas Central, put into place efforts in demand response, financing and energy efficiency education programs during relatively that same time period as KCP&L to deliver customers' desires for DSM.

Following failed DSM filings, both utilities successfully sought legislation under Kansas Energy Efficiency Investment Act (KEEIA)[4], enacted on July 1, 2014. KEEIA states, "It is the goal of the state to promote the implementation of cost-effective demand-side programs in Kansas". Furthermore, the KEEIA requires the KCC to permit electric (and natural gas) public utilities to implement Commission-approved programs and cost recovery mechanisms to reduce the consumption of electricity (or natural gas) by its retail customers, and it provides for utility cost recovery mechanisms, which include, but not limited to, recovery of program costs, lost revenue associated with such programs and utility retention of a portion of the net benefits of such programs[5].

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[1] https://www.aceee.org/state-policy/scorecard

[2] DSM programs were agreed upon as a result of the Stipulation and Agreement in Docket No. 04-KCPE-1025-GIE (04-1025 S&A) and in Missouri, Case No. EO-2005-0329 (0329 S&A), both of which established the Comprehensive Energy Plans for the respective states.

[3] The Comprehensive Energy Plan included $53M of DSM program investment, with the Kansas Metro jurisdictional share being approximately $24 million.

[4] Senate House Bill No. 2482

[5] Utility retention of a portion of the net benefits of such programs is also referred to as "earnings opportunity" within this Report.

While the enactment of KEEIA signaled a positive future for Kansans to benefit from energy-efficiency, Westar filed and withdrew a DSM filing[6] developed under KEEIA in 2015 and KCP&L followed in 2016 with a filing[7] that included a broad portfolio of programs under KEEIA. KCP&L, however, opted not to pursue the modified Commission-approved portfolio. A handful of DSM programs in each territory persist from the various filings over the past decade and only program costs are recovered through an EE Rider (EER) specific to each jurisdiction.

Evergy and its Missouri customers have significantly benefited from DSM program offerings for nearly 10 years through the enactment of Missouri Energy Efficiency Act (MEEIA)[8], which is similar to KEEIA. It is with this filing that Evergy is responding to our Kansas customer voices and desire for Evergy to seek approval from the KCC for a portfolio of programs that benefit all customers. In the development of the portfolio, Evergy relied on industry best practices, feedback from a diverse set of Kansas stakeholders, insights from its customers and Evergy's DSM experience in Missouri. Evergy's KEEIA 2023 – 2026 Demand Side Management Portfolio Filing Report (Report) details Evergy's request for approval of a four-year portfolio for DSM programs for its Kansas jurisdictions, Evergy Kansas Metro and Evergy Kansas Central. As demonstrated within this filing, Evergy maintains its commitment to helping customers save energy and money. This proposal includes a diverse and broad set of DSM programs for all customers to participate, but it also includes EE education for its customers, specifically for those hard-to-reach focus[9] areas.

The portfolio includes nine programs that span EE and DR for residential, business and hard-to-reach customers. It also includes a pilots incubator program, which in Missouri was borne a successful low-income program that is revered by Missouri and Kansas stakeholders. This program has been mirrored and proposed in this filing, specifically for Kansas. The proposed portfolio includes EE incentives for the whole and multi-family homes, renters and all business types. It also includes DR programs that are proposed to increase system reliability and to be relied upon year-round, not just during the summer peak months.

The proposed four-year portfolio (2023-2026) includes:

- Average annual budget of $33 million
- Energy savings of over 325 gigawatt-hours (GWh)
- Demand reduction of over 260 megawatts (MW)

Moreover, the proposed portfolio provides for a net present value of customer net bill savings of $40.72 [BF4][BF5]million over the lives of the installed equipment and measures. The proposed portfolio is cost-effective with each jurisdiction resulting in a total cost resource (TRC) cost-effectiveness test of 1.92.0 [BF6][BF7]or greater and a rate-payer impact measurement (RIM) cost effectiveness test of greater than 0.7[10].

[6] Docket No. 15-WSEE-181-TAR

[7] Docket No. 16-KCPE-446-TAR

[8] https://www.senate.mo.gov/09info/pdf-bill/tat/sb376.pdf

[9] Hard-to-Reach is referred to in this report as low-income or rural residential customers, and small or rural businesses. Sections 4.5 and 5.4 provide further definition of these customer segments.

[10] Docket No. 16-KCPE-446-TAR, Application of KCP&L for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act, page 35.

Evergy's proposed portfolio builds on the Company's Sustainability Transformation Plan and its Integrated Resource Plan (IRP)[11] as it is a flexible resource that drives customer costs down. DSM remains the most cost effective and minimal net environmental impact of Evergy's investment options. It reinforces the connection with the Company's IRP and similarities between the jurisdictions, while addressing customer bill and rate impact.

The sub-sections below provide a summary of the benefits of Evergy's proposal, program offers, cost recovery mechanism and customer bill impact. Section 1.6 then addresses the proposed timeline for this filing, in accordance with the KEEIA.

1.1. Benefits to Evergy's Kansas Customers

Evergy has designed its portfolio of programs with a primary goal of providing benefits to Evergy customers and its communities, as outlined in Figure 1.

Figure 1: Benefits of Energy Efficiency

Benefits of energy efficiency expands broader than the benefits contained within Evergy's cost effectiveness evaluation. These benefits include[12]:

- Reduction of emissions to improve health through air quality improvement
- Benefits to society through new business and job creation, avoid costly illnesses and reduction in worker absence
- Boosts economy through lower energy costs, increase in disposable income and new business and job creation
- Reduces demand reduction, which lowers utility operational expense and lowers customer rates/bills

[11] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)
[12] *Information Source: EPA's Part One – The Multiple Benefits of Energy Efficiency and Renewable Energy Document (1-7)*

- Enhances electric system through reduced cost of service and increases system reliability

1.2. KEEIA Purpose and Alignment with Evergy's Strategy

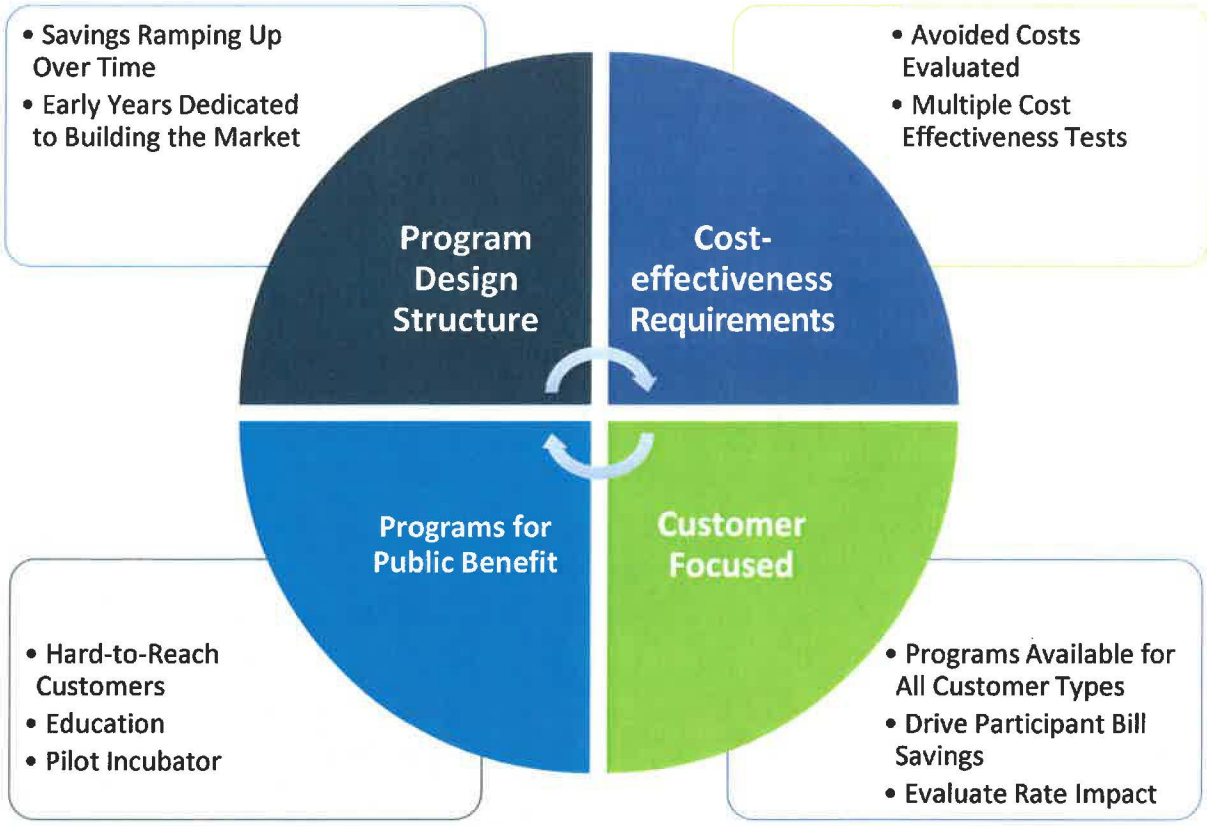
The KEEIA was established to support the state goal of promoting the implementation of cost-effective demand-side programs in Kansas and the state policy to value demand-side program investments equal to traditional investments in supply and delivery infrastructure.

Evergy's strategy to provide and increase customer value in all facets ties directly to this proposed portfolio as provided for under the KEEIA statute. DSM is a least-cost resource, and it provides additional diversity in Evergy's generation resource portfolio to meet customers' energy needs now and in the future. Evergy's preferred plan in its 2021 IRP includes DSM as a component where costs are reduced to customers over the 20-year horizon. Additionally, investing in DSM aligns with Evergy's strategy and its business plan's key objectives, such as increasing communication channels, improving grid resiliency and delivering reduction in carbon emissions.

1.3. Portfolio Development and Program Design

Evergy designed its portfolio to leverage the energy-efficient measures and technologies, best-practice delivery strategies and target markets to cost-effectively deliver programs and measures. In the development of its portfolio, Evergy relied upon the four parameters shown in Figure 2 to design its programs.

Figure 2: KEEIA Program Design Parameters



Program Design Structure

When designing a DSM program, it is important to recognize the need to build the market. This involves engaging with contractors and trade allies, working with key stakeholders and educating customers about the program and how to participate. A robust program structure, designed through gaining feedback from customers, stakeholders and trade allies will help to ramp-up participation and program savings by offering programs that are of interest, necessary and cost-effective.

Cost-Effectiveness Requirements

Evergy has evaluated programs for cost-effectiveness in a holistic manner. Programs are evaluated using the following industry standard tests: Total Resource Cost (TRC), Societal Cost Test (SCT), Utility Cost Test (UCT), Participant Cost Test (PCT) and Rate Impact Measure (RIM). This multi-faceted analysis aligns with previous Commission-stated objectives on cost-effectiveness tests[13].

Customer-Focused Programs

DSM programs should be designed with a strong customer focus to garner significant participation and deliver on the objective of energy and demand reduction. Evergy's proposed

[13] Docket No. 08-GIMX-442-GIV, *General Investigation Regarding Benefit-Cost Analysis and Program Evaluation for Energy Efficiency Programs*

portfolio covers all types of customers and are designed to drive more comprehensive upgrade projects for the participants, which means greater bill savings and comfort. DSM programs can drive a higher level of customer engagement; therefore, programs should be presented to the customer in simple ways and aligned with customer needs, as well as integrated with where and how customers want to interact with Evergy. The KEEIA portfolio offers customers many points of participation entry.

Figure 3 presents a high-level summary of Evergy's 2023–2026 DSM portfolio, which are based on the four design parameters shown in Figure 2.

Figure 3: KEEIA 2023–2026 DSM portfolio

1.4. Portfolio Investment and Bill Impacts

Using the four design parameters described in Section 1.3 and data modeling, Evergy created a portfolio of programs designed to meet the needs of residential and business customers in its Kansas Metro and Kansas Central jurisdictions. This portfolio of programs will be an investment by all customers but also for **the benefit of all customers**. With this in mind, Evergy understands the importance of this DSM investment and Evergy's stewardship that includes transparency of expected costs to achieve the energy and demand reductions. Evergy is committed to managing this portfolio with minimal bill impact and maximum positive environmental impact for customers and communities Evergy serves.

Evergy's KEEIA 2023-2026 DSM portfolio budget by cost category is shown in

Figure 4~~Figure~~ 4. These budgets include incentives, administration, evaluation and education and marketing. Program budgets for Kansas Central and Kansas Metro jurisdictions are provided in Table 1~~Table 1~~ and

Table 2~~Table 2~~, respectively.

Figure 4: 2023 – 2026 Forecasted Cost by Category (Central and Metro combined)

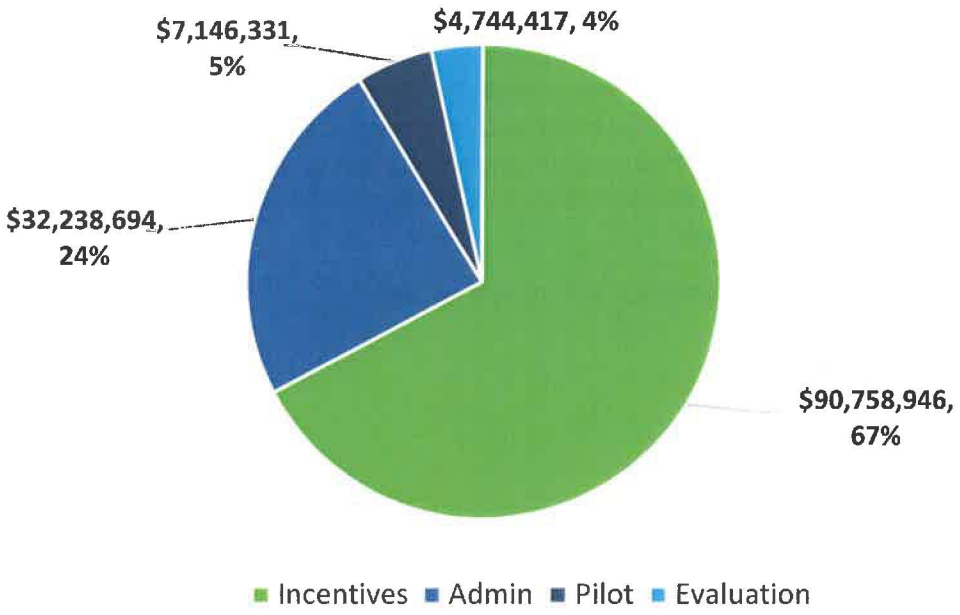


Table 1: Kansas Central - Program Budget

Cost Category	Residential Programs	Business Programs	Total Portfolio
Incentives	$31,401,535	$36,230,189	$67,631,724
Delivery	$4,842,432	$16,662,780	$21,505,212
Administration	$629,527	$2,157,368	$2,786,895
Evaluation, Measurement and Verification (EM&V)	$823,452	$2,752,728	$3,576,180
Pilot	n/a	n/a	$5,451,966
Total	$37,696,946	$57,803,064	$100,951,977

Table 2: Kansas Metro - Program Budget

Cost Category	Residential Programs	Business Programs	Total Portfolio
Incentives	$11,919,873	$11,207,349	$23,127,222
Delivery	$1,858,658	$5,176,426	$7,035,084
Administration	$241,758	$669,745	$911,504

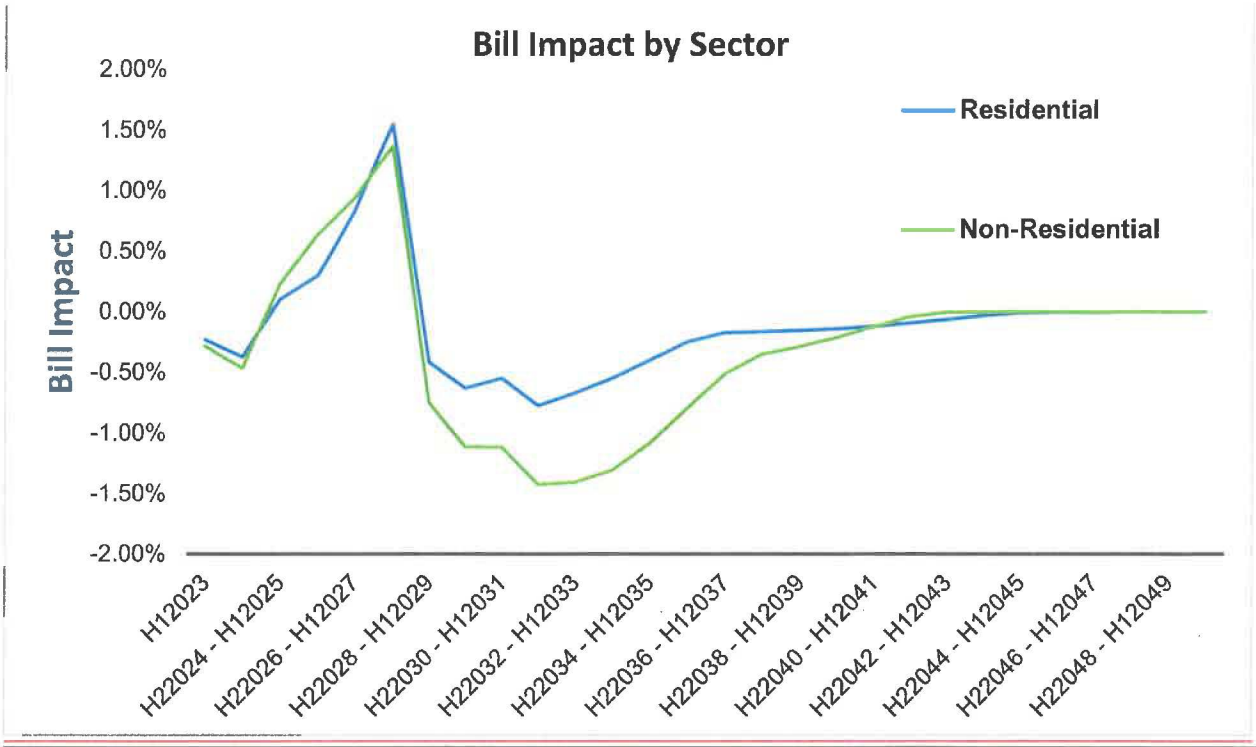
Evaluation, Measurement and Verification (EM&V)	$317,212	$851,025	$1,168,237
Pilot	n/a	n/a	$1,694,365
Total	$14,337,501	$17,904,545	$33,936,411

Bill Impacts

Financial recovery of the DSM investment is proposed to occur through an update to the Energy Efficiency Rider (EER or Rider). The Rider will provide for the recovery of program costs, lost margin and earnings opportunity (EO) of the proposed programs. Figure 5 and Figure 6 shows the impacts of the proposed DSM portfolio investment on residential and business customer bills over the life of the investment as compared to no DSM portfolio investment for Kansas Central and Kansas Metro jurisdictions.

Figure 5: [BF8][BF9]*Kansas Central - Customer Bill Impact by Sector*[14]

[14] The "H" shown in the X-Axis refers to "half" since the EER updates are proposed in July.


Bill Impact by Sector
Residential
Non-Residential
Bill Impact
2.00%
1.50%
1.00%
0.50%
0.00%
-0.50%
-1.00%
-1.50%
-2.00%
H12023
H22024 - H12025
H22026 - H12027
H22028 - H12029
H22030 - H12031
H22032 - H12033
H22034 - H12035
H22036 - H12037
H22038 - H12039
H22040 - H12041
H22042 - H12043
H22044 - H12045
H22046 - H12047
H22048 - H12049

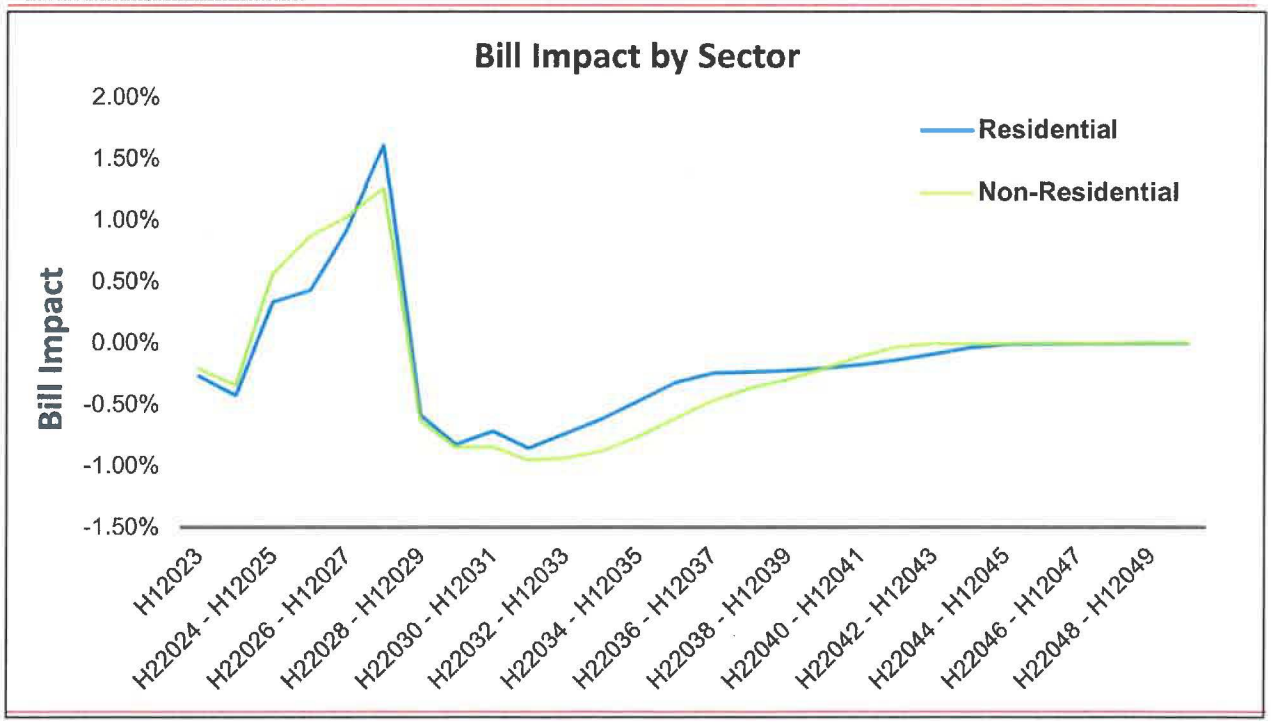
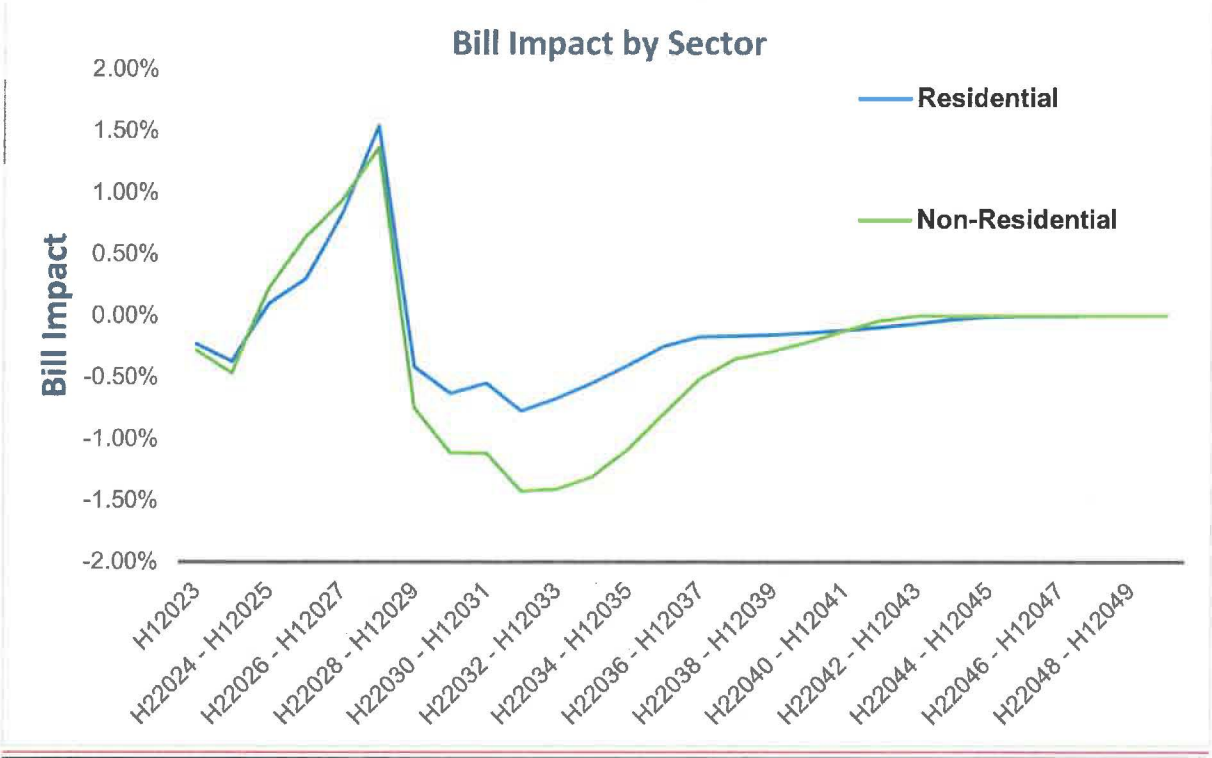
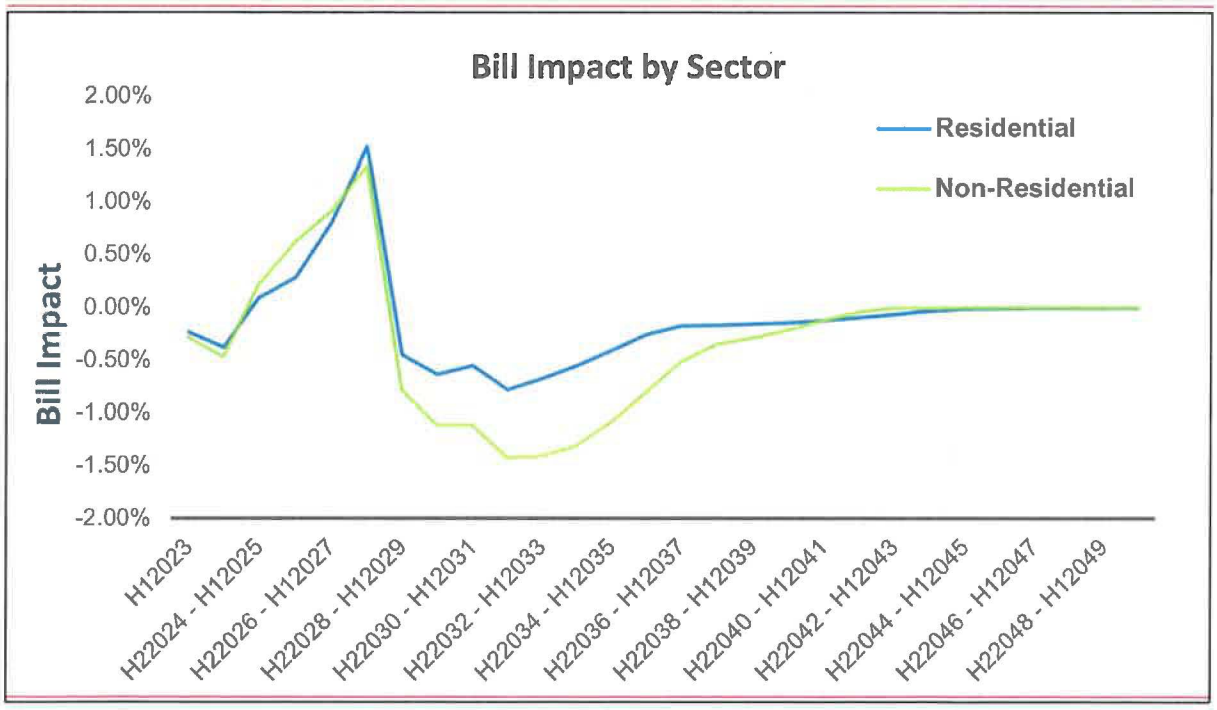

Bill Impact by Sector
Residential
Non-Residential
Bill Impact
2.00%
1.50%
1.00%
0.50%
0.00%
-0.50%
-1.00%
-1.50%
H12023
H22024 - H12025
H22026 - H12027
H22028 - H12029
H22030 - H12031
H22032 - H12033
H22034 - H12035
H22036 - H12037
H22038 - H12039
H22040 - H12041
H22042 - H12043
H22044 - H12045
H22046 - H12047
H22048 - H12049

Figure 6 [BF10][BF11]– *Kansas Metro – Customer Bill Impact by Sector*[15]

[15] Ibid.





Evergy designed its DSM programs with the goal of mitigating customer bill impact, as further supported by the Commission in Case No.12-GIMX-337-GIV[16] For Kansas Central customers, the net bill effect of the proposed DSM portfolio investment is a reduction of $26.88 [BF12][BF13]million

[16] Docket No 12-GIMX-337-GIV, *In the Matter of the General Investigation of Energy-Efficiency Policies for Utility Sponsored Energy-Efficiency Programs.*

NPV[17] over the life of the investment. Similarly, for Kansas Metro customers, the net bill effect of the proposed DSM portfolio investment is a reduction of $13.94 [BF14][BF15]million NPV over the life of the investment.

The trend in Figure 5 and Figure 6 is influenced by the interaction between lifetime energy (kWh) savings of the efficient equipment, retail electric rates and estimated rider recovery applicable in each year. Overall, the impact to customer bills can be viewed in three periods. First, in the pre-cost recovery period (January 1, 2023 through mid-2024), the customer energy savings lend to a negative bill impact. Second, during the cost recovery period (mid-2024 to mid-2028), bills are positively impacted, on average. Third, once the post-cost recovery period begins in 2028, customers reap the continued energy savings for the investment and realize reduced bills for many years.

Additionally, managing customer rate impact over the recovery period is important to help customers adjust to the investment and balance the bill impact. Customers will expect to see rate impacts that will be less than $0.004062 [BF16][BF17]per kWh for residential and $0.002897 [BF18][BF19]per kWh for business in both jurisdictions. This equates to an average rate change of 1.325% and 1.3924% [BF20][MF21][BF22][BF23]for residential and business customers, respectively, for this investment over the cost recovery period. Therefore, even while customers are seeing an additional rate increase during the cost recovery period, the overall impact of the DSM portfolio investment is a net bill reduction for both the residential and business customer classes.

1.5. Financial Recovery Method[18]

Evergy proposes modification of the EER structures for both jurisdictions, which is consistent with the KEEIA statute. Below is the language within the statute regarding allowable cost recovery mechanisms:

> *To comply with this section, the Commission may allow cost recovery mechanisms that further encourage investments in demand-side programs. Such cost recovery mechanisms may include, but shall not be limited to: (A) Capitalization of investments in and expenditures for demand-side programs; (B) recovery of lost revenue associated with demand-side programs; (C) decoupling; (D) rate design modifications; (E) accelerated depreciation on demand-side investments; and (F) allowing the public utility to retain a portion of the net benefits of a demand-side program for its shareholders.*

Proposed changes to the EER includes timely recovery of three financial components: Program Costs, Throughput Disincentive (TD), and Earnings Opportunity (EO) award[19]. Evergy is requesting approval of an update of the EER to begin collecting actual program costs and TD, which are measured and directly attributable to the DSM programs proposed in this filing. The EER will be updated annually following each program year and will include an additional reconciliation of prior periods' program costs and TD recoveries with carrying costs on any under- or over-recovery. The EO is proposed to be recovered over a 12-month period following final determination based on EM&V review in the year following each program period. Should

[17] Net Present Value at Company's weighted average cost of capital

[18] Refer to Appendix E

[19] More details on how each of three financial components are defined and calculated are provided in Section 7.

any additional DSM programs and tariffs be filed under the KEEIA requirements for the program period, those would follow the above structure as well.

Evergy also proposes to include the recovery of unrecovered existing EER costs from periods prior to the effective date of this filing be recovered in the modified EER.

1.6. Timeline

KEEIA provides for a 180-day timeline for utility portfolio applications, which the Commission can expand to 240-days upon a showing of good cause. In order to facilitate the effective date of January 2023, Evergy proposes a 240-day procedural schedule to accommodate the Commission staff and other stakeholders for full review of the filing. The proposed procedural schedule will be filed in motion forthcoming in the near future. [MF24][BF25]

Evergy proposes a portfolio of programs to be effective January 1, 2023, through December 31, 2026. Such that Evergy can prepare for a successful launch on January 1, 2022, program set-up, educational outreach and marketing costs that will be expended in 2022 are proposed to be applied to 2023 expense recovery. In addition, some programs that have long-lead time for application completion, such as business measure applications, and that may extend past December 31, 2026, will follow a long-lead process defined herein. Long-lead measures and customer applications are addressed in Sections 4 and 5.

2. Stakeholder Engagement and Customer Insights

Customer-focused DSM programs are a key component of this filing and to ensure a successful DSM portfolio. Evergy leveraged insights many stakeholders and customer research. At a minimum, insights included review of the results from the Wichita State University (WSU) focus group, Evergy customer research and stakeholder interviews and workshops. This section provides additional detail on how stakeholder engagement and customer insights helped to shape the proposed portfolio.

2.1. Stakeholder Engagement

Evergy engaged a widespread and diverse set of stakeholders throughout the DSM portfolio development process to ensure understanding of state policy objectives and constituent needs. Evergy's proposed DSM plan integrates stakeholder feedback, with the portfolio reflecting feedback on the importance of program offering designed specifically for low-income (or income-eligible) and rural customers. Evergy's Residential Hard-to-Reach Program and robust education plan incorporates this feedback.

Evergy held three stakeholder workshops from June through August 2021. Evergy invited stakeholders representing state agencies, environmental organizations, low-income customer advocates, large energy consumer advocates, natural gas utilities and affordable housing advocates, among others. Through multiple individual interactions and three larger group meetings from June through August 2021, Evergy engaged this broad range of stakeholders to solicit feedback and address questions on the program planning process and resulting program plans.

Evergy considered stakeholder input in the development of this plan; specifically, their interest and desire to: make a connection with Evergy's overall resource plans; understand how DSM will be perceived by and integrated with customer needs - with customer education being a primary focus area, along with serving communities and income eligible households.

KEEIA DSM portfolio stakeholders included those listed in Table 3.

Table 3: DSM Portfolio Stakeholders

DSM Portfolio Stakeholders	
Atmos Energy	Kansas Housing Resource Center
Black Hills	Kansas Industrial Consumers (KIC)
Climate Action KC	Midwest Energy Efficiency Alliance (MEEA)
Climate Energy Project (CEP)	National Housing Trust
Citizens' Utility Ratepayer Board (CURB)	Natural Resources Defense Council (NRDC)
Kansas Corporation Commission (KCC) Staff	Sierra Club
Kansas Gas	

During these workshops Evergy presented and orchestrated a discussion around a myriad of topics including:

- Rationale for Evergy's DSM plan
- Importance of implementing DSM
- Overview of the planning process
- Draft program structures
- Resulting cost-effectiveness screening results
- Cost recovery
- Customer engagement strategies
- Insights gleaned from Evergy's customer-focused research.

The workshops also provided an opportunity for stakeholders to share questions, concerns and provide inputs to program designs and target market considerations.

In addition to the three stakeholder workshops, Evergy engaged with Kansas community partners and low-income advocates on August 18, 2021. This meeting with advocates and Kansas community partners was attended by 16 organizations (Table 4). The number of attendees and questions demonstrated a high level of interest for low-income advocacy of DSM programs with Evergy.

Table 4 – Community Partners and Advocates

Evergy KS Community Partners and Advocates	
Black Hills	Kansas Housing & KS Weatherization Assistance Program
Catholic Charities	Midwest Energy Efficiency Alliance (MEEA)
Citizens' Utility Ratepayer Board (CURB)	Mid-Kansas Community Action Program
Climate Energy Project (CEP)	National Housing Trust
Doorstep, Inc.	NEK-CAP, Inc.
First Call for Help, Hutchinson, KS	Sierra Club Kansas
Johnson County Aging & Human Services Olathe Outreach	Sterling Strategies
Kansas Corporation Commission (KCC) Staff	The Salvation Army, Manhattan & Emporia, KS
Kansas Gas Service (KGS)	

2.2. Customer Insights

Evergy recognizes that customer focused programs are a key component for a successful filing and approved DSM portfolio. Leveraging an internal team dedicated to gathering customer insights on DSM through primary data collection was an imperative design strategy, along with utilizing secondary data resources.

Primary data insights are collected through appliance saturation studies[20] that are used for load forecasting, the IRP, as well as specific Evergy customer research, which is further described below. Secondary data is collected through industry resources, such as ESource and American Council for an Energy Efficient Economy (ACEEE). Insights include areas such as customers' equipment information, energy usage, attitudes toward energy and importance of reducing energy use and costs, along with other customer characteristics. This culmination of data informed program designs and targets and provided guidance on target market size, savings

[20] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)

potential and market needs. It also highlighted the need of educating the market, including customers and contractors and trade allies.

In addition to gathering stakeholder feedback as described in Section 2.1, Evergy reviewed and integrated customer insights gleaned from the focus group research enlisted by the KCC Energy Division and Utilities Division (Staff) conducted by WSU. The results of this research, as identified by KCC Staff, emphasized the importance of energy education to customers and the need to prioritize low-income (income-eligible) energy efficiency programs. The survey conducted by WSU also identified strong messages that emerged about what customers desired from their utility. For example, feedback included: "The Evergy participants desired a stronger involvement from the utility provider. Their expectation was for the utility to offer, administer, and communicate energy efficiency programs."[21] This filing supports this desire from Evergy customers.

To further explore its Kansas customers perspectives around DSM opportunities, Evergy conducted a residential customer quantitative (large sample) survey in July 2021. The survey focused on customer energy efficiency awareness and preferences, as well as insights into the costs and value proposition of utility programs. Appendix G includes a full summary report of the qualitative survey. A representative sample of 550+ Evergy residential customers provided insights on over 25 questions about these topics.

Key findings included:

- Strong support is seen for **expanding energy efficiency programs** currently available in Missouri to customers in Kansas (95%).
    - 79% of customers are **willing to pay a fee** - 6% would pay $10 per month, with the highest percentage preferring $5.00-$5.99/month.
- The benefit of **"a lower cost to me" dominated** all other motivations to reduce use, especially among the lower income groups.
    - Most reported practicing "no-cost" methods to reduce usage; mainly turning off lights, using shades or blinds, or using ceiling or floor fans.
    - There was a lag of energy efficiency in homes among renters, younger, multi-family, or low-income customer participation
- If Evergy offered a program to assist in the cost of upgrades, 75% of customers would be **somewhat more, or much more, likely to make upgrades**.
- After reading a brief description of the Pay As You Save (PAYS)[22] program, 69% of customers reported an **interest in participating in an on-bill financing** option.
- When asked if low income or underserved customers should receive extra benefits, 83% of customers said **low income or underserved customers should receive extra benefits** or offers from Evergy programs.

Understanding that Evergy customers were supportive of expanding EE programs and understand the value proposition of EE reinforced Evergy's approach to its portfolio development.

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[21] *Residential attitudes toward utility sponsored energy efficiency programs in Kansas*; Jarman, Parcell, Wichita State University (2020), pg 15

[22] On-bill financing program

3. Portfolio Development and Program Design

Evergy uses a systematic and comprehensive approach to its portfolio development, program design and modeling of measures, costs and impacts.

Utility DSM programs integrate interventions to overcome barriers to adoption of EE practices and upgrades. Through interventions such as financial incentives, financing, education and training, direct install and load control, DSM programs can address barriers such as:

- Lack of or incomplete understanding of the benefits of DSM
- Low visibility to the financial impact of energy consumption during costly peak periods
- Split incentive for the beneficiary versus the person paying (most commonly present with multi-family rental units and leased commercial buildings)
- Financial constraints, which is particularly relevant for traditionally underserved groups such as low-income, renters and small commercial customers
- Need for financing options when capital investments hold higher out-of-pocket costs.

To meet customers' unique needs and overcome the various barriers, Evergy's proposed portfolio integrates a variety of program design elements, including:

- Customer outreach and targeted marketing educating customers about the benefits of DSM
- Proactive customer engagement, which includes a high level of concierge type services, specifically for customers that may face split incentive challenges
- Incentives to reduce up-front costs – depending on the measure this may include upstream to retailers, midstream to market actors such as contractors and downstream to customers
- Direct installation of easy to install measures to ensure proper installation and instant savings
- Education to influence behavior, increase DSM awareness and adoption and encourage longer-term market effects
- Energy assessments to serve as a vehicle to inform customers of their building needs and encourage high-efficiency installations
- Financing to encourage higher efficiency/higher-cost installations
- Long-lead process to provide assurance of rebates [23]

[23] Long-lead process is defined as transition time at the end of the KEEIA DSM 2023-2026 plan that will provide customers, contractors, trade allies and market actors with continuity between DSM cycles for projects that require pre-approval and with lead times greater than 90 days. Evergy will provide a written commitment letter of incentives for eligible long-lead projects. Projects with estimated completion dates not longer than one year following current cycle completion; however up to approved threshold cap within the approved KEEIA cycle budget. Payments to customers will be made upon completion, and any projects that fail to complete within this specified timeframe will be ineligible.

Evergy will also leverage contractors and trade allies, also referred to as market actors, to serve as "sales" partners for the programs. Contractors and trade allies have direct access to customers and in that role are influential with mutual customers' decisions. Additionally, economic activity associated with DSM is a resulting benefit to impacted businesses such as HVAC and lighting contractors. A "contractor" can quickly evolve to an Evergy "trade ally" given the economic benefit to their company by partnering with Evergy and promoting its DSM programs. For example, two local trade allies who support customers in Kansas and Missouri share:

"The Evergy incentives that we are able to offer in Missouri help alleviate some of the cost concerns our customers have when wanting to purchase higher-end, more efficient equipment. These rebates provide even more value to the customer and Kansas customers are continually disappointed they don't get the same opportunity as our Missouri customers. Any additional rebates offered to customers will help them justify being able to spend more." – *Residential Trade Ally – Anthony Plumbing, Heating & Cooling*

"We are a Kansas incorporated small business. We have been hiring staff in other states to keep up with our work in those states; however, we have not hired anyone in Kansas because we cannot generate the same demand for energy efficiency upgrades." – *Commercial Trade Ally - ROI Energy, LLC*

The proposed portfolio design includes targeted education, proactive outreach and information sharing with these important market actors for the success of Evergy's portfolio.

3.1. Measure, Program and Portfolio Analysis

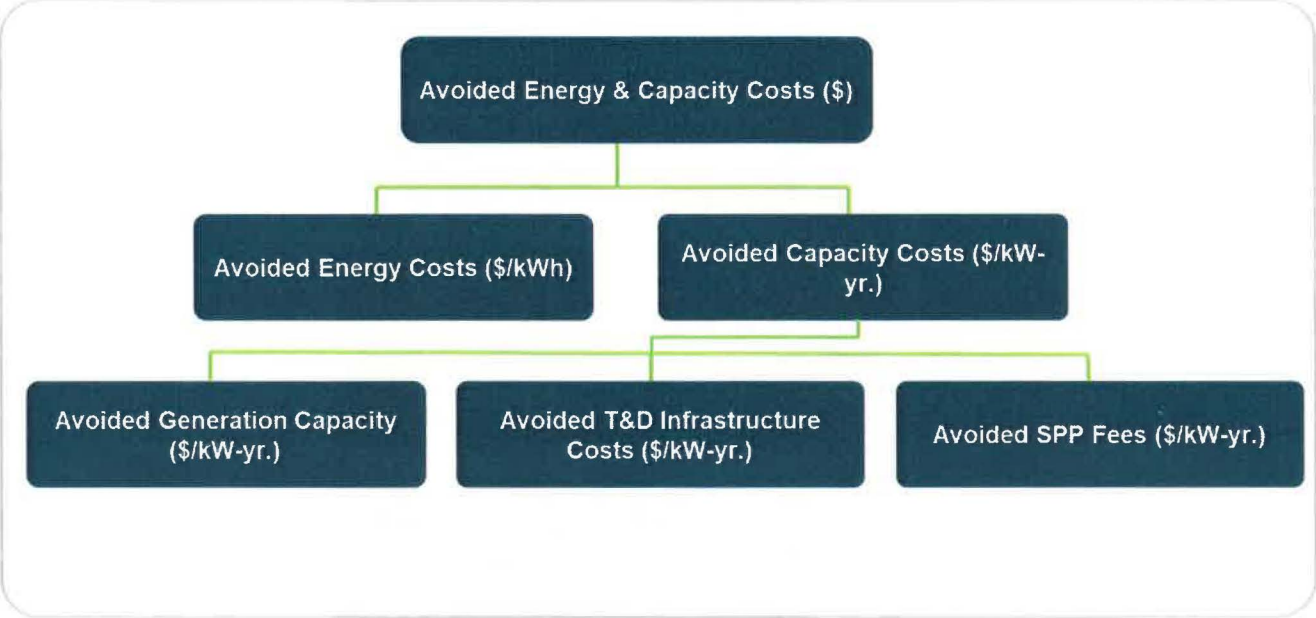
Evergy uses a bottoms-up systematic approach to its portfolio design. The key to the program development process is identifying benefits for customers and the community, while seeking and incorporating feedback from stakeholders and interested parties. Figure 7 illustrates the high-level portfolio design process.

Figure 7: High-level Portfolio Design Process

3.1.1. Avoided Costs Methodology in Program Analysis

In the development of any DSM portfolio, avoided costs are a key input into the calculation of program benefits and ultimately in the benefit cost analysis (cost effectiveness) in the California Standard Practice Manual tests. Avoided costs can be broken down into multiple components to help determine the value or benefit of a kW or kWh saved. A higher-level breakout of avoided costs is splitting the value into avoided energy costs (expressed in $/kWh) and avoided capacity costs (usually expressed in $/kW-yr). Avoided capacity costs can be broken down into avoided generation capacity, transmission and distribution infrastructure and Southwest Power Pool (SPP) fees. Figure 8 represents the avoided cost hierarchy.

Figure 8. Avoided Costs Hierarchy



Within prior utility regulatory proceedings in Kansas, the avoided costs values have been debated by stakeholders and the KCC has provided views on avoided cost and how it should be treated within a DSM filing. Since these proceedings much as occurred. Evergy was formed by the merger of Westar and KCP&L; EE technologies have changed; and expectations of future energy needs and resource types have changed considerably. Considering this background and Evergy's generation needs, further explanation of the avoided capacity cost methodology and approach for this KEEIA filing is warranted.

For the purposes of this filing, Evergy utilized the following methodology for attributing avoided costs to the various components.

Avoided energy costs ($/kWh)

Description of methodology: Evergy utilized forward energy price forecast by hour over the next 20 years based on the price forecast from Evergy's 2021 IRP[24]. This price forecast is an expected value across 18 different endpoints and factors in a range of forecasts for natural gas and carbon prices.

Rationale for approach: This approach has been utilized by other utilities and is consistent with how the energy value of DSM programs are assessed through the IRP. This approach uses a forecasted expected value across several disparate future scenarios rather than simply relying on historical or current prices. It also incorporates a range of potential future scenarios into the assessment of avoided energy cost as opposed to relying only on the current environment or recent history, which may not be representative of what can be reasonably expected to occur in the future.

[24] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)

Avoided generation capacity costs ($/kW-yr)

Description of methodology: Evergy developed Evergy Kansas Central and Evergy Metro specific models of expected costs to meet additional capacity needs in the 20-year horizon. Evergy factors in short term "market" capacity costs and the cost of building new generation (commonly referred to as cost-of-new-entry or CONE), depending on resource plans and load forecasts which are consistent with Evergy's 2021 IRP[25].

Similar to the use of scenario analysis and expected values in the IRP, the avoided generation capacity cost is also based on an expected capacity cost each year across six different scenarios. These scenarios are based on two different plant retirement plans and three different load forecasts which are all consistent with the latest IRP.

Plant Retirements. Each portfolio received 50 percent probability and was used to calculate Evergy's capacity balance in each year.

- *Preferred Portfolio (with modifications based on ongoing Predetermination[26] Docket)*: Plant retirement schedule identified in Evergy's 2021 IRP[27].
- *Accelerated Retirements*: Plan modeled in 2021 IRP, which included more accelerated plant retirements and was among the most cost-effective plans modeled.

Load. Low, Mid and High (Electrification) forecasts were used which are consistent with Evergy's 2021 IRP. The probabilities assigned to these forecasts were also consistent with the IRP at 35%, 50% and 15%, respectively.

In each of the six scenarios, if Evergy is "short" capacity in a given year (accredited capacity is less than capacity requirement – including reserve margin), the value of capacity is set at CONE, which is the levelized cost of a new natural gas-fired combustion turbine (CT). If Evergy is "long", the value of capacity is set at the current market rate of capacity. A weighted average value is then calculated across the six scenarios to create an expected value for the cost of capacity.

Figures 9 and 10 below present Kansas Central and Kansas Metro generation capacity costs, respectively, determined from the methodology described above and utilized in this filing.

[25] Ibid.

[26] Docket No. 22-EKCE-141-PRE, Determination of the Ratemaking Principles and Treatment that will Apply to the Recovery in Rates of the Cost to be Incurred for Certain Electric Generation Facilities Under K.S.A. 66-1239

[27] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)

Figure 9: Kansas Central - Avoided Generation Capacity Cost Expected Value, $/kW-year

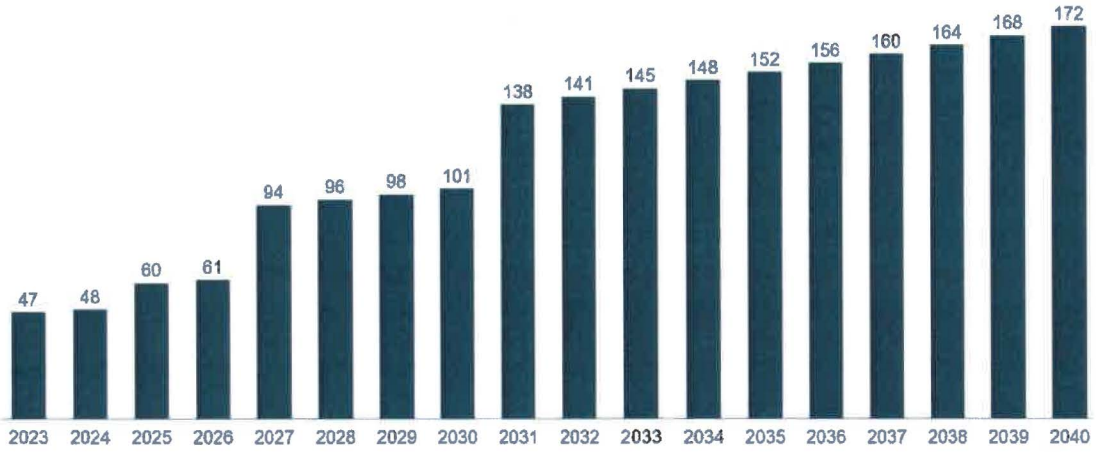
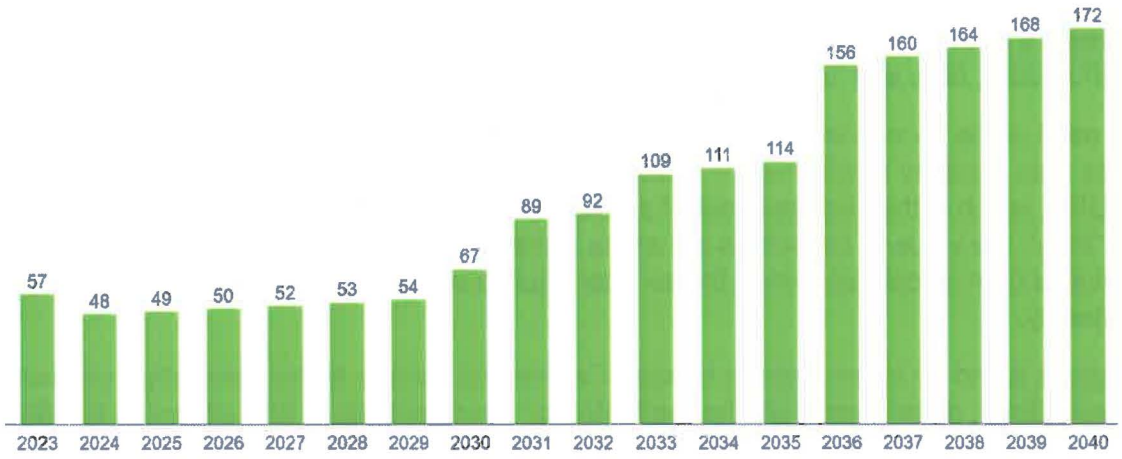


Figure 10: Kansas Metro - Avoided Generation Capacity Cost Expected Value, $/kW-year



Rationale for approach: Utilizing a mix of market-based capacity costs and CONE is a common method of valuing generation capacity. This approach factors in the availability of short-term capacity purchases at a lower cost, but also recognizes that longer-term capacity needs that would eventually require new generation be built, absent offsets from programs like DSM. Using a CT as the CONE assumption is also a common practice, which recognizes that CTs are typically the lowest-cost traditional capacity resources (on a $/kW basis) and also do not typically have the complexities around accreditation which renewable capacity would have (for example, CTs are assumed to be accredited approximately at nameplate capacity). The rationale for the selected scenarios and probability weightings is described below.

Plant Retirements. New resource additions modeled in the IRP were not included in this calculation (beyond currently contracted resources and the resource addition included in

Evergy's predetermination docket[28]). This exclusion allows supply- and demand-side resources to be compared on an equivalent basis in the IRP. If supply-side resource additions were included in calculating the value of demand-side resources, this would unfairly reduce the calculated benefit of demand-side resources in the screening / portfolio development process versus allowing these resources to realize the same level of value which supply-side resources provide in the IRP.

Given the significant uncertainty around both policy and technology which could both drive an accelerated move toward non-emitting resources, the two plans are weighted equally for the purposes of valuing DSM.

Load. Three load forecast scenarios (and accompanying probabilities) were selected to be consistent with Evergy's 2021 IRP.

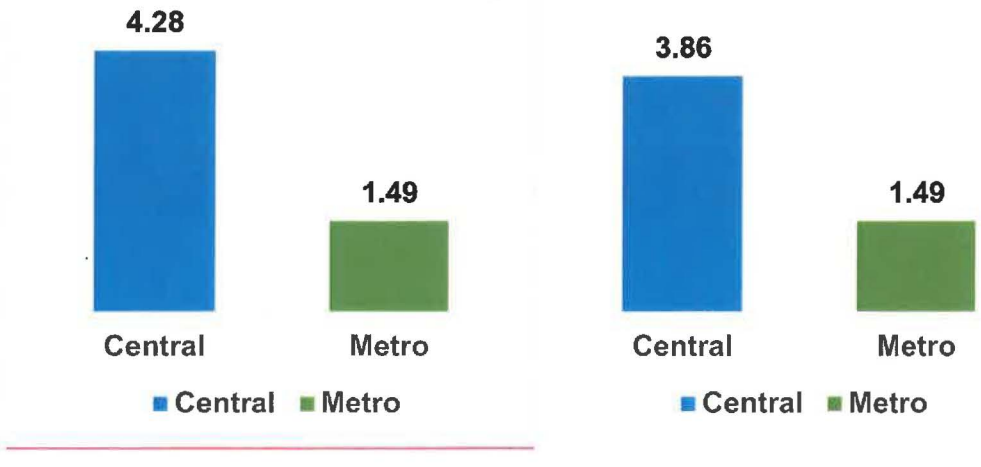
Avoided transmission and distribution infrastructure costs ($/kW-yr)

Description of methodology: Evergy utilized its current planning load forecasts and long-term load growth-related capital forecast to calculate an "incremental" and "system-wide" avoided cost. These costs are for both transmission and distribution (T&D) infrastructure given the interrelated nature of T&D costs needed to serve growing load.

- *Incremental:* Uses forecasted load growth-related capacity spend 2022-2030 ($), fixed charge rate of 8% and 2021-2030 load growth (MW) to calculate an avoided cost of incremental MW.
- *System-Wide:* Uses forecasted load growth-related capacity spend 2022-2030 ($), fixed charge rate of 8% and 2022-2030 average total load (by jurisdiction) to calculate avoided cost across overall system MW.

Figure 11 below presents Kansas Central and Kansas Metro T&D infrastructure costs, determined from the methodology described above and utilized in this filing.

Figure 11: [BF26][BF27]*System-Wide Avoided T&D Infrastructure Costs $/kW-year; 2021 $*



[28] Docket No. 22-EKCE-141-PRE, Determination of the Ratemaking Principles and Treatment that will Apply to the Recovery in Rates of the Cost to be Incurred for Certain Electric Generation Facilities Under K.S.A. 66-1239

Rationale for approach: Given the need for system planners to avoid overloads on infrastructure and maintain system reliability, there is large variation in the value provided by DSM programs based on their ability to "target the incremental MW" and their "controllability". For that reason, two very different values are calculated for avoided T&D cost which should be applied based on how well a DSM program can be targeted and controlled. As an example, managed charging for new electric vehicles is a program which can be both *targeted* and *controlled* – because it would be applied to new load additions in a managed way. Based on this, it should receive the higher "incremental" avoided cost identified above. Residential DR, on the other hand, should receive the lower "system-wide" value identified above because it has not historically been targeted to ensure it is offsetting an incremental MW and is also not directly controllable. Therefore, it cannot be guaranteed to offset a potential overload.

Avoided SPP fees ($/kW-yr)

Description of methodology: Evergy utilized calculations of reduction of SPP transmission related fees associated with peak and energy reduction plus an estimate value of system-wide T&D avoided infrastructure capacity as a result of reduction in demand across Evergy.

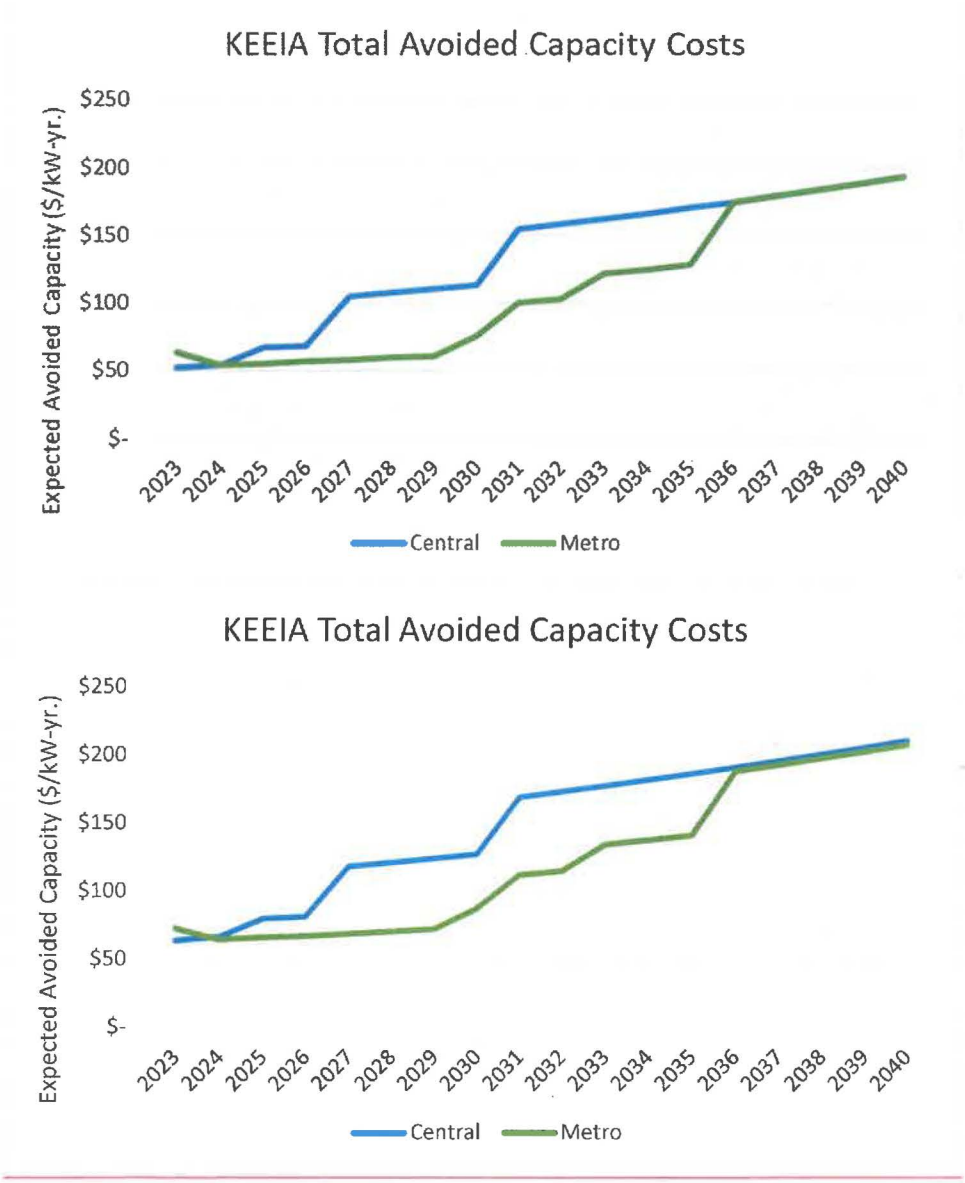
Rationale for approach: Regarding SPP's transmission-related fees, there are three expense types (SPP refers to them as schedules) that are impacted by reductions in peak MW and energy MWh reductions to load.

- Schedule 1-A is used to recover SPP's costs associated with administering the Integrated Marketplace (IM) and is based on the average of the 12 monthly peaks from the previous year.
- Schedule 11 facilitates the sharing of costs for transmission projects throughout the SPP region and uses a market participant's (MP) load ratio share, a measure of an MP's average monthly peak for the year divided by the average SPP system-wide monthly peak for the year, to allocate costs.
- Schedule 12 is used to recover FERC administrative costs, a pass-through from SPP to MP's and is calculated using an MP's annual MWh of energy for load.

The fees associated with these three SPP schedules will be reduced and can be calculated with reductions in MWs and MWhs resulting from implementation of the proposed KEEIA programs.

Figure 12 presents Kansas Central and Kansas Metro total avoided capacity costs used in this filing by summing generation capacity costs and T&D infrastructure costs as described above.

Figure 12 [BF28][BF29]- *Total Avoided Capacity Costs (KS Central and KS Metro)*



3.1.2. Portfolio Development

Evergy developed the proposed portfolio by extensive and iterative balancing of many elements including costs, forecasted energy savings and programs that appeal to all Kansas customers, such that the portfolio also aligns with Evergy's 2021 IRP. The IRP considers demand-side energy savings from DSM programs as but one component of Evergy's goal to cost-effectively meet the energy needs of Kansas customers for the period 2023-2042.

The proposed portfolio includes nine programs: Whole Efficiency programs, Hard-to-Reach programs, DR programs, and Education for residential and business customers. A Pilots

Incubator is also proposed, which will be used to develop innovations for new or existing concepts that may serve either residential or business customers. Figure 13 below summarizes the key components of the proposed portfolio.

Figure 13: KEEIA 2023- 2026 DSM Proposed Portfolio

4. Residential Portfolio

Evergy's portfolio is designed to engage all customers, while focusing on the most vulnerable customers by offering higher value rebates and/or free services. These programs are designed with the ultimate goal of transforming the market for energy efficiency in Kansas, providing high quality education and outreach and creating economic growth for Kansas businesses.

4.1. Overview

Evergy's residential portfolio level savings, budget and cost-effectiveness for each jurisdiction are provided below in Tables 6-8, respectively. The residential portfolio is comprised of broad scale programs and public benefit programs, which includes hard-to-reach and education. These programs are defined below.

Broad Scale Programs:

The **Whole Home Efficiency Program** will provide a wide range of EE opportunities for customers to reduce their energy usage and increase home comfort.

The **Home Demand Response Program** is designed to offer customer's incentives to for supporting and improving Evergy load shapes during peak demand periods.

Both broad scale programs have been designed to meet cost-effectiveness goals and will provide significant savings, while allowing participation for all of customers. All programs exceed TRC of 1.0 and a RIM of 0.7.[29]

Public Benefit Programs:

The **Hard-to-Reach Homes Program** is targeted to income-eligible and rural customers. In order to drive participation in these demographics, Evergy proposes to deliver a deeper level of support, which includes no-cost direct installs, personalized home energy assessments and enhanced incentives and rebates. These offers will be presented in a comprehensive way to deliver maximum customer value.

The **Home Energy Education Program** is designed to drive improved customer energy use behaviors and increased customer awareness around no- or low-cost ways to save energy. Evergy proposes to include broad customer education around measures in homes that impact costs, as well as serve as a pathway to direct customers to other Evergy programs that may be within and outside of KEEIA to assist the customer, depending on the customer's specific need.

[29] Docket No. 16-KCPE-446-TAR, Application of KCP&L for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act, page 35.

As defined in the KEEIA statute, cost effectiveness is not required for Public Benefit programs.[30]

Table 5: Total Residential Portfolio Savings for Kansas Central and Metro

Total Residential Portfolio Savings for Kansas Central									
Net MWh Savings					Net MW Savings				
PY1	PY2	PY3	PY4	Total	PY1	PY2	PY3	PY4	Total
15,542	24,745	32,235	36,293	108,815	36.7	41.9	56.7	74.2	209.5
Total Residential Portfolio Savings for Kansas Metro									
Net MWh Savings					Net MW Savings				
PY1	PY2	PY3	PY4	Total	PY1	PY2	PY3	PY4	Total
6,132	10,005	12,807	14,538	43,482	13.9	15.8	21.3	28.0	79.0

Table 6: Total Residential Portfolio Budget ($ 000s) for Kansas Central and Metro

Budget ($ 000s)	Total Residential Portfolio Budget for Kansas Central				
Cost Category	PY1	PY2	PY3	PY4	Total
Incentives	$5,147.5	$6,456.2	$8,778.7	$11,019.1	$31,401.5
Delivery	$850.3	$1,114.9	$1,355.6	$1,521.7	$4,842.4
Administration	$110.9	$145.0	$176.1	$197.5	$629.5
Evaluation	$147.8	$190.4	$229.2	$256.0	$823.5
Total	$6,256.5	$7,906.5	$10,539.6	$12,994.3	$37,696.9
Budget ($ 000s)	Total Residential Portfolio Budget for Kansas Metro				
Cost Category	PY1	PY2	PY3	PY4	Total
Incentives	$1,858.6	$2,431.7	$3,357.6	$4,272.0	$11,919.9
Delivery	$333.1	$432.5	$513.7	$579.3	$1,858.7
Administration	$43.5	$56.3	$66.8	$75.2	$241.8
Evaluation	$58.0	$74.1	$87.3	$97.9	$317.2
Total	$2,293.1	$2,994.6	$4,025.3	$5,024.4	$14,337.5

[30] KEEIA, Section 1.5.c.1.D - Programs targeted to low-income customers or general education campaigns do not need to meet a cost-effectiveness test, so long as the Commission determines that the program or campaign is in the public interest and is supported by a reasonable budget in the context of the overall budget.

Table 7: [BF30][BF31]Residential Portfolio Cost-Effectiveness Ratios for Kansas Central and Metro

Total Residential Portfolio Cost-Effectiveness Ratios for Kansas Central					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
Whole Home and Demand Response Programs	4.67	2.67	1.0	5.57	5.8
Total Portfolio (including Public Benefit)	3.56	2.12	0.9	4.34	4.6
Total Residential Portfolio Cost-Effectiveness Ratios for Kansas Metro					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
Whole Home and Demand Response Programs (including Public Benefit)	3.94.0	2.34	0.78	4.68	7.0
Total Portfolio	3.01	1.8	0.7	3.68	5.6

4.2. Whole Home Efficiency Program

The Whole Home Efficiency Program provides for multiple channels that focus on EE installations in single-family and multi-family residences. The program is designed to improve equipment operational performance and home comfort. Offering rebates designed to cost-effectively help close the price gap between baseline-level equipment and high-efficiency equipment so customers may benefit from the best technology.

Evergy proposes three components for participation: Home Comfort, Home Products and Energy Assessment and Energy Savings Kits. These options are described below.

Home Comfort

HVAC equipment rebates - Heating and cooling equipment is a large investment and customers often opt for the least expensive option. This rebate will offset the incremental cost of investing in the lower efficiency, less expensive equipment to a higher efficiency but more expensive option. This rebate is can only applied to replace broken or inoperable equipment. Eligible efficient heating equipment must be "like for like" technology to existing technology.

Air sealing improvements and insulation rebates - To optimize performance and comfort of the home, Evergy proposes to recruit and train a contractor and trade ally network to promote these rebates. Evergy proposes to provide a customer application intake tool to streamline rebate processing and quality assurance/quality control (QA/QC) of customer projects to ensure that quality standards are maintained. The program may also offer do-it-yourself (DIY) insulation rebates for customers that purchase and self-install insulation in attics.

On-bill financing – Evergy proposes on-bill financing to help eliminate the barrier of upfront cost when upgrading to energy efficient equipment. On-bill financing, in combination with

rebates, makes the adoption of EE upgrades more attractive to both market-rate and hard-to-reach customers.

Home Products

Energy Efficient Products - Discounted in-store retail and online efficient products will be provided to Evergy customers with easy access. Evergy proposes to provide customers with instant discounts on an online marketplace and/or partner retail stores for energy-efficient products such as LEDs, air purifiers, smart power strips and other efficient equipment.

Appliance Recycling - Homeowners often keep inefficient refrigerators and freezers and other small appliances, such as wall AC units, that are high energy users in garages or outbuildings. An appliance recycling program removes this expensive and burdensome equipment from customers who do not realize the high impact these systems have on their electric bill. Providing the option to recycle these inefficient units not only helps customers to rid of these units but it also prevents the units from returning to the secondary market.

Energy Saving Trees - Providing energy-saving trees is a unique and important measure. Trees have a useful life of decades and only increases in value over time. Shade trees are seasonal and apply cost-effective energy reduction in the summer, while in the winter trees allow sun exposure to help heat a customer's home. Evergy proposes to operate several no-cost tree distributions during tree planting seasons and propose to focus on underserved income-eligible neighborhoods.

School Kits –Evergy proposes to offer school kits that are uniquely designed to inspire the next generation to take action and create a more energy efficient future. Evergy's teams will coordinate with local schools to provide interactive, educational program materials and energy efficient kits focused on energy efficiency and sustainability. Evergy aims to help families improve their cost of living through implementing EE measures and making behavior changes, while also providing a unique way to promote our other utility opportunities.

No Cost Energy Assessment and Discounted Energy Savings Kits:

Evergy proposes to recruit experienced contractors and trade allies to provide no-cost energy assessments (in-person or virtual) and discounted energy savings kits for multi-family units and non-LI single family homes. Evergy proposes that building owners may use their own contractors or ask for recommendations for more comprehensive projects that could be funded under the Business Energy Efficiency Program.

For multi-family properties, there will be targeted outreach to educate property owners and managers on the benefits of EE to them. These benefits include but not limited to:

- lower tenant turnover,
- tenant rental satisfaction increases and
- lower rent default since less money is being spent on energy use, which frees up money to apply toward rent

According to US Census data, within Evergy's Kansas service territory, 34 percent of the multi-family housing units are market rate (above 80% Area Median Income (AMI)). This equates to potential opportunity of approximately 42,000 multi-family units to effect greater energy efficiency. Section 4.5, Figure 13 shows the mix of market-rate and income-eligible multi-family units.

4.3. Home Energy Education Program

This program focuses on influencing customer's energy behaviors through education and will utilize customer marketing and outreach, online self-education tools and community events. Evergy proposes a specific focus on areas where the most need is identified, such as in rural and low-income communities. This program's objective is to help customers understand where energy is being used the most in their homes, provide tips to reduce energy use, recommend low-cost ways to save money and provide for on-site enrollment opportunities.

The Home Energy Education Program is designed with the goal of educating customers on EE. Although this program results in energy and demand savings through the Home Energy Education Report and LED giveaways for "of-need" customers, this program is not required to meet a cost effectiveness target, nor does it include specific goals for savings. Rather, the program is designed to align with stakeholder feedback and other research sources that identified education as one of the largest and highest priority needs in the Evergy Kansas territories.

The six components of the Home Energy Education Program are detailed below.

Marketing for Residential Education

Evergy proposes to deploy an integrated marketing campaign for its residential programs. Evergy's proposed approach will drive awareness, understanding, consideration and enrollment to our programs across the portfolio. During the customer awareness and understanding phases, Evergy will pay special attention to helping customers understand their energy usage and the importance of energy efficiency, through personalized reports, messages and educational materials.

Digital Tools (Online Education and Outreach)

Evergy proposes to offer digital tools and communication of personalized energy savings recommendations. This includes online self-service energy assessments designed to educate customers on the most impactful EE improvement opportunities for their home. Through this option, the Company aims to grow its customers' understanding of how their home uses energy and help the customer to create and implement a plan to lower their usage.

Community Events

Stakeholders and Evergy agree that it is important that customers and communities deem Evergy as a trusted advisor and that in-person interaction is critical to building those relationships and trust. Evergy proposes to host community events that will provide opportunities to educate customers, provide EE information, offer energy efficient products and assist with program enrollment. Evergy's goal is to meet customers where they are in the community to demonstrate our commitment towards valuing individual needs. A concentrated focus will include supporting customers who may have limited access to the internet or other sources of information.

Rural Community Engagement

Evergy proposes to provide enhanced outreach to geographically hard-to-reach customers through this program to create equity for customers who may not be reached by these programs through a traditional approach. Evergy will identify and work with community groups who may be participating in the LILIES (see below) initiative and use specific customer targeting to reach rural customers.

Kansas LILIES (Low Income Leadership in Essential Services)

The LILIES initiative is designed to offer support in three different but very interconnected home components: Energy Efficiency, Home Health and Structural Repairs/Integrity. Evergy uses a similar community-based design in Missouri, Low-Income Leadership Assistance Collaborative (LILAC). The premise of this collaborative is to bring together regional partners who offer services to the most at need in our Missouri community. We propose to apply this approach to Kansas and will work with various partners to assist in providing services to income-eligible customers through the creation and evolution of a stronger network of support. Throughout Evergy's stakeholder engagement process (Section 2.1), stakeholders expressed a high level of interest in the concept of Kansas LILIES.

Home Energy Education Report

Evergy proposes to offer a Home Energy Report (HER), that is both a behavioral EE and educational program and provides residential customers with household insights on their specific energy usage. The HER will be delivered by email and/or to the customer's home in a paper format. The HER will be composed of informational modules to help customers better understand and manage their energy use more effectively.

Informational module examples include:

- Similar home comparison,
- Energy comparisons over time,
- Energy efficiency tips, and
- Utility program promotions

Evergy also proposes to offer an income-eligible version of the HER to help those customers who may need different messaging. Informational module examples include:

- Promotion of free direct installation of energy efficiency measures and energy assessments,
- Low to no cost energy savings tips, and
- Utility billing assistance programs, and promotion of community assistance programs

4.4. Home Demand Response Program

The Home Demand Response (HDR) program is designed to help customers better manage energy use in their home and reduce the impact on the utility grid during times of peak demand. This program will consist of two components: smart thermostats and water heater controllers.

The HDR program provides opportunities for customers to program these smart devices to during lowest cost hours, allowing for participation in Time-of-Use (TOU) programs easier, as well as allowing customers to participate in both winter or summer demand events to earn additional incentives. This program consists of two components; smart thermostats and water heater direct load control.

Smart Thermostats

New Thermostats

The HDR program enables customers to acquire smart thermostats through:

- Bring Your Own (BYO) - Customers with existing eligible smart thermostats can enroll in the program for an enrollment incentive and participate in DR events to receive annual incentives.
- Do It Yourself (DIY) - Eligible customers can receive a thermostat and a self-installation kit from a sales channel, such as an Evergy online platform, and enroll the thermostat into the program and receive incentives for participating in the DR program.
- Direct Install (DI) - Eligible customers receive a smart thermostat from a sales channel, such as an Evergy online platform or call center, and can choose to have it installed by the utility at no cost. These customers can then participate in the DR events for annual incentives.

Evergy developed the HDR program with customer trust in mind. Communication, control and comfort are at the forefront of that trust. For DR events, customers will be notified in advance and the thermostat temperatures will be adjusted to pre-determined event settings. During an event, customers may override at any time.

In the first two program years, Evergy anticipates focusing on recruiting BYO thermostat customers since market penetration of these devices has begun and many customers will already own an eligible smart thermostat. Based on feedback from multiple device manufacturers, there appears to be over 50,000 smart thermostats already within homes in Evergy KS territories. With BYO being the lowest cost acquisition channel, this will help strategically manage the budget while re-engaging the market. Towards PY3 and PY4, after much of the BYO potential is achieved, we will transition to adding more of the Do-It-Yourself devices and Direct Installation devices to the program.

Existing Thermostats

Westar and KCP&L began offering one-way communicating thermostats to customers circa 2009 and 2007, respectively. Evergy has included the demand reduction associated with these

thermostats in its annual goals for HDR in both jurisdictions as Evergy expects these customers will continue participating in DR events as they have historically been. Evergy has included the cost to continue to provide maintenance on these one-way thermostats, if technical assistance is required for the customer. Although these thermostats are nearing the end of useful life, as seen in prior Kansas filings of thermostat EM&V[31], Evergy demonstrates that it is cost-beneficial to continue to support and call these devices until these one-way stats are fully phased-out over the next several years.

Water Heater Direct Load Control

Evergy proposes to provide customers with a rebate to obtain water heater controllers that optimize water heating usage and participation in DR events. This is similar to how smart thermostats operate for HVAC systems. The two methods for customer participation include:

Direct Install (DI): Evergy proposes eligible customers will receive a direct load controller from a sales channel, such as an online platform or requested through a call center. The customer may choose to have Evergy install at no cost, which will allow the customer to participate in the DR events for annual incentives.

Bring Your Own (BYO): Evergy proposes to allow customers with new or existing eligible direct load control (DLC) devices on their water heaters to enroll in the HDR program online and participate in DR events to receive annual incentives. The program may include eligible water heaters with DLC built in as well.

4.5. Hard-to-Reach (HTR) Homes Program

As described in Section 4.1, the HTR Homes program targets income-eligible and rural customers and income-eligible multi-family properties. In order to drive participation in these demographics, this program includes free or enhanced rebates[32].

One area Evergy commits to focus on is our Kansas Multi-Family Properties. There is finite, statistical evidence that there is a great need and we are in the position to begin making impacts on these most vulnerable and in-need customers.

According to US Census data, within Evergy's Kansas service territory, 66 percent of the multi-family housing units are income eligible (at or below 80 percent AMI) equating to an opportunity of approximately 84k multi-family units. Figure 14 provides a chart representing the mix of multi-family market-rate and income-eligible units, and Figure 15 is a map of income eligible properties in Evergy's service territory in Kansas.

[31] Docket No. 18-KCPE-124- TAR ("18-124 Docket"); KCP&L-KS Legacy Thermostat Evaluation, Measurement & Verification Study, filed 101-19

[32] Exceptions to free or reduced rebates are Energy Saving Trees and Appliance Recycling components as these already cover 100 percent of the costs for participants.

Figure 14. Evergy Kansas - Multi-Family Market Rate and Income Eligible Unit Counts

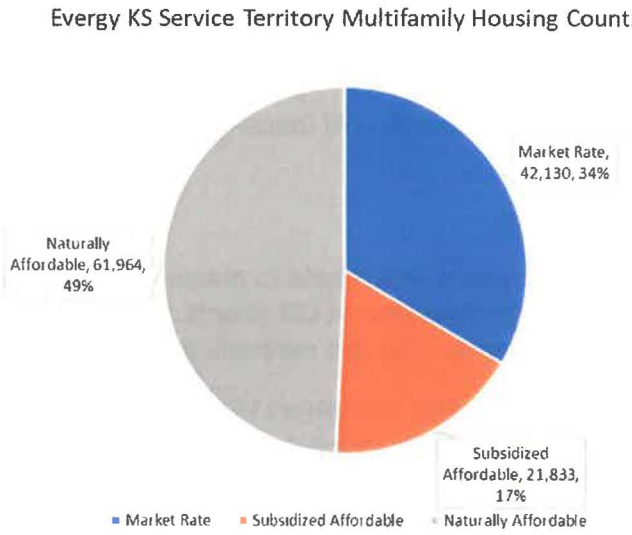
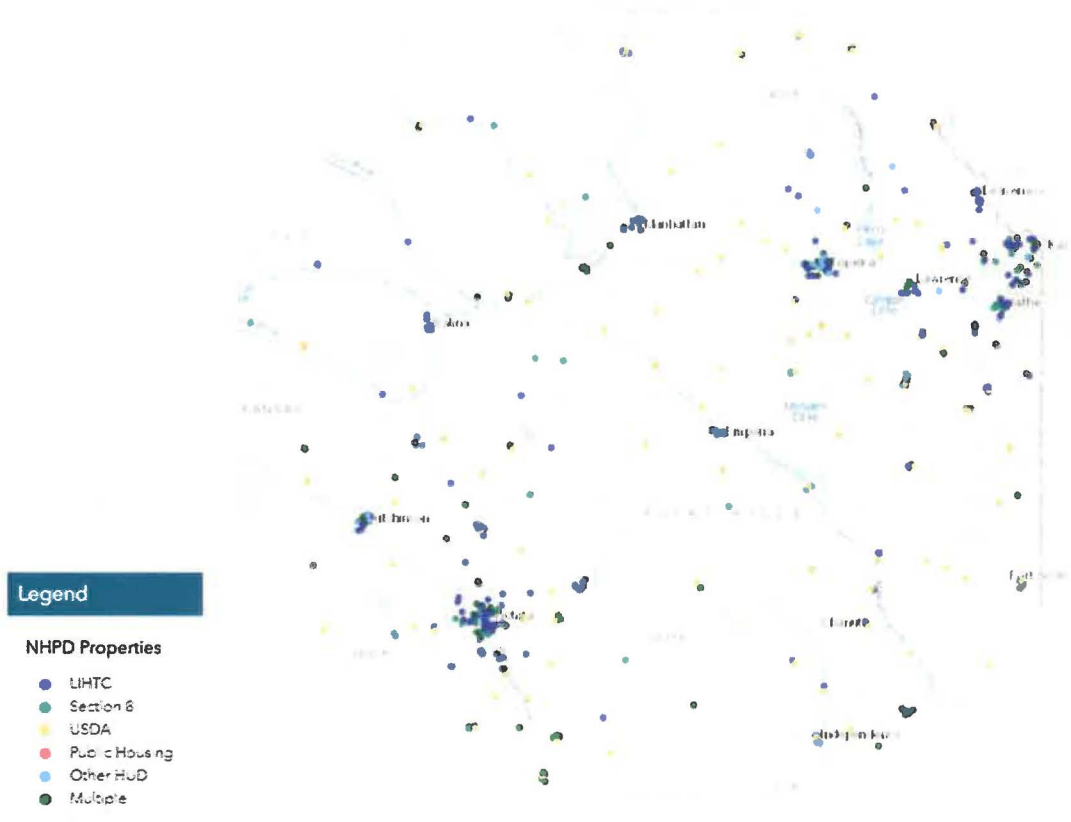


Figure 15. Evergy Kansas – Income-Eligible Properties Map[33]



[33] Source: National Housing Preservation Database

This information helps to support Evergy's approach for increased focus and program offers designed specifically for this demographic. Evergy proposes targeted "concierge-style" outreach to educate property owners and managers on benefits of EE for both them as well as the Evergy customer. These benefits include, but are not limited to:

- lower tenant turnover,
- increase in tenant rental satisfaction
- lower rent default since if less money is being spent on energy use, renter income can be used toward rent

This program will also have components available for our single family customers as well. Single family and multi-family income eligible criteria are defined in Appendix A.

Below are the components of the Hard-to-Reach Homes Program:

Enhanced Home Comfort

No cost upgrades for income eligible single-family or multi-family units and enhanced rebates for income eligible multi-family common areas.

Enhanced Home Products

Increased rebates or no cost energy efficient products for income eligible single-family residents or multi-family unit tenants and buildings.

No-Cost Energy Assessment and Free Energy Savings Kit

Available for income eligible single-family or multi-family units and buildings, along with customers residing in rural areas. When location makes it difficult to send support staff, the kits with the needed items identified during a virtual assessment will be mailed. These kits also include a customized report summarizing the assessment findings with additional opportunities for assistance as needed.

Weatherization Assistance

Continued support of federal weatherization assistance program available to single family customers, delivered through local community action agencies, like Kansas Housing Resource Center.

5. Business Portfolio

Evergy's proposed DSM business portfolio includes programs that provide customers with increased awareness and understanding of how they use and save energy. The business portfolio also provides incentives for EE improvements. These programs are critical in addressing marketplace barriers and challenges that have otherwise limited energy savings opportunities in the past. Through education, awareness and incentives, the business portfolio can address some of the challenges below:

- Lack of top-of-mind prominence for customers who are often busy managing core elements of their business
- Lack of awareness about energy efficient equipment options and available financing when purchasing decisions are made
- Disinclination to replace equipment prior to failure
- Primary focus on purchase price (or "first costs") rather than lifecycle costs

The business portfolio is comprised of broad scale programs and a public benefit program for Hard-to-Reach business customers, which includes an energy education program. Evergy's business portfolio level savings, budget and cost-effectiveness are provided in Tables 9-11, respectively.

Broad Scale Programs[34]:

Whole Business Efficiency Program promotes strong businesses and economic development by improving operational efficiency and new construction practices with equipment rebates on diverse measures including lighting, HVAC systems and other items.

Business Demand Response Program will help Evergy lower summer peak demand and provide a resource to Evergy during the winter. The program also benefits customers who can be flexible with providing demand reduction in their business operations.

Hard-To-Reach Business Program is targeted to vulnerable or small businesses and neighborhoods, including outdoor agriculture and non-profits specifically. The program includes enhanced rebates and concierge outreach assistance. In order to drive participation in these demographics, Evergy proposes to deliver a deeper level of support, which includes no-cost direct installs, personalized energy assessments, and enhanced incentives and rebates. These offers will be presented in a comprehensive manner to deliver maximum customer value.

[34] As noted earlier in Section 4, Hard-To-Reach Residential Programs are included within the definition of Public Benefit given KEEIA legislation definition. However, for business programs, Evergy includes Hard-To-Reach Business Programs within its definition of Broad Scale programs based on its focus on small business and non-profits.

All three broad scale business programs have been designed to meet cost-effectiveness goals and will provide significant savings for the portfolio, while providing energy savings benefits for all business customer segments. All programs exceed TRC of 1.0 and a RIM of 0.7.[35]

Public Benefit Program:

Business Energy Education Program is designed to drive improved customer energy use behaviors and increased customer awareness around no- or low-cost ways to save energy. Evergy proposes to include both broad and targeted customer education around measures in businesses that impact costs and as a pathway to direct customers to Evergy programs that can improve operational efficiency and comfort.

As defined in the KEEIA statute, cost effectiveness is not required for Public Benefit programs.[36]

Table 8: Total Business Portfolio Savings for KS Central and Metro

Total Business Portfolio Savings for Kansas Central									
Net MWh Savings					Net MW Savings				
PY1	PY2	PY3	PY4	Total	PY1	PY2	PY3	PY4	Total
25,574	36,859	39,540	39,009	15.6	28.0	40.8	58.6	25,574	36,859
Total Business Portfolio Savings for Kansas Metro									
Net MWh Savings					Net MW Savings				
PY1	PY2	PY3	PY4	Total	PY1	PY2	PY3	PY4	Total
9,822	14,051	14,823	14,515	6.7	12.4	18.6	27.3	9,822	14,051

Table 9: Total Business Portfolio Budget ($ 000s) for KS Central and Metro

Budget ($ 000s)	Total Business Portfolio Budget for Kansas Central				
Cost Category	**PY1**	**PY2**	**PY3**	**PY4**	**Total**
Incentives	$6,522.7	$9,080.1	$9,957.2	$10,670.2	$36,230.2
Delivery	$2,948.2	$4,153.1	$4,595.8	$4,965.8	$16,662.8
Administration	$382.3	$537.7	$594.8	$642.6	$2,157.4
Evaluation	$492.1	$686.1	$757.4	$817.2	$2,752.7
Total	$10,345.2	$14,456.9	$15,905.2	$17,095.7	$57,803.1

[35] Docket No. 16-KCPE-446-TAR, Application of KCP&L for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act, page 35.

[36] KEEIA, Section 1.5.c.1.D - Programs targeted to low-income customers or general education campaigns do not need to meet a cost-effectiveness test, so long as the Commission determines that the program or campaign is in the public interest and is supported by a reasonable budget in the context of the overall budget.

Budget ($ 000s)	Total Business Portfolio Budget for Kansas Metro				
Cost Category	**PY1**	**PY2**	**PY3**	**PY4**	**Total**
Incentives	$1,995.6	$2,797.3	$3,102.8	$3,311.6	$11,207.3
Delivery	$918.7	$1,292.9	$1,424.0	$1,540.9	$5,176.4
Administration	$119.0	$167.3	$184.2	$199.3	$669.7
Evaluation	$152.1	$212.5	$233.7	$252.7	$851.0
Total	$3,185.4	$4,470.0	$4,944.8	$5,304.4	$17,904.5

Table 10: [BF32][BF33]*Business Portfolio Cost-Effectiveness Ratios for KS Central and Metro*

Total Business Portfolio Cost-Effectiveness Ratios for Kansas Central					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
CE Required Programs	1.89	2.67	1.92.0	2.3	0.8
Total Portfolio	1.78	2.0	1.56	2.2	1.0
Total Business Portfolio Cost-Effectiveness Ratios for Kansas Metro					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
CE Required Programs	1.67	3.02	1.34	2.01	1.2
Total Portfolio	1.6	2.23	1.1	2.0	1.4

5.1 Whole Business Efficiency Program

Incentives are a key component to encourage business customers to take the next step in EE. Incentives reduce the upfront capital expense, which is a known barrier for EE investment.

The Whole Business Efficiency program provides incentives for customers who install energy efficient equipment. An objective of this program is to have multiple energy efficient technologies eligible, including measures that improve the performance of existing equipment like controls and tune-ups, while providing various options that accommodate the many different types of business customers.

Measures for this program can be installed in new or existing businesses across a variety of measure types through two paths:

- **Standard -** fixed incentives for specific energy efficient measures with pre-set savings values
- **Custom –** variable incentives for qualifying complex or unique projects that do not fall under Standard. Incentives are determined on a $/kW or $kWh basis.

Evergy proposes four components for participation: Business Comfort, Business Operational, Business Products and New Construction. These components are described below.

Business Comfort

Building comfort measures include insulation and air sealing improvements, door enhancements and other custom measures. The program will also include air conditioner and heating equipment and controls projects, including tune-ups and other behavioral strategies.

Business Operational

Business operational measures include refrigeration, food service equipment, ventilation, laundry or other mechanical upgrades to save on energy costs. This includes a retro-commissioning program, which provides incentives for operations and maintenance measures identified through a retro-Commissioning study.

Business Products

Business products include rebates for LEDs, control equipment and other products through midstream or the custom or standard rebate channel for business customers.

New Construction

New construction measures include incentives for early design assistance and qualifying complex or unique new construction projects. Custom rebates are determined on a $/kW or $/kWh basis for incremental savings above building code.

5.2 Business Energy Education Program

Education is one of the key components for DSM success. Customers need tools, resources and guidance to understand how their businesses use energy and where they can save energy. The Business Energy Education program will provide these resources, focusing on program benefits as well as other avenues to optimize efficiency. Marketing engagement for business customers, as well as education assistance in the form of building operation certification courses, will be essential in engaging business customers.

Education and marketing will also guide customers to other key initiatives within the community to promote better energy management practices. This could include customer assistance in using energy usage data to benchmark facilities, as well as promoting other available resources such as Building Energy Exchange in Kansas City[37]. Evergy will continue to partner with these community organizations as a way to promote best practices and available resources.

[37] The KC Regional Building Energy Exchange (BE-Ex) is a new resource focused on accelerating advancements in building efficiency in the Kansas and Missouri region to reduce greenhouse gas (GHG) emissions and improve economic opportunities.

For small businesses, Evergy will offer digital tools, including online tools and outreach that can be customized for a variety of business types and will help drive low to no cost improvements.

Evergy proposes five components of the Business Energy Education Program:

Customer Facing Business Marketing

Evergy will deploy an integrated marketing approach for the Business Portfolio, with marketing tailored to industries, equipment and business types that offers relevant products while educating customers on EE and DR. These programs will also be promoted through other channels, including Evergy's Customer Solutions Managers and trade allies.

Building Operator Education

This component will utilize the Building Operator Certification® (BOC), which is the leading training and certification program for building engineers and maintenance personnel. Courses will include both Level I (Building Systems Maintenance) and Level II (Improving Building Operational Performance). These courses help operators find practical, low-cost and no-cost efficiency solutions by working with existing systems. The classes also show building personnel how to create a preventive maintenance program that improves the building environment and prolongs the life of equipment. Finally, these courses lead seamlessly into participating in other Evergy programs, such as DR programs and other EE programs that influence facility managers to take action in energy conservation. BOC was offered to legacy Westar customers in Kansas from 2010 to 2018, graduating 554 operations professionals.

Small Business Behavioral Program

Small businesses typically have limited resources and lack the technical expertise in identifying and implementing energy savings measures. The Small Business Behavioral Program offers digital tools and communication that personalize energy savings recommendations. This will include online self-service education tools that are customizable by business type to educate customers on the highest EE saving opportunities for their business. This component uses targeted outreach to small business customers with higher-than-expected energy use, providing tools, tips and resources to change behavior and realize low to no cost energy savings.

Community Events

Evergy will host in-person events to build trust and relationships within its communities. Evergy's goal is to meet customers where they are in the community to demonstrate our commitment towards valuing individual needs. A concentrated focus will include supporting small business and nonprofit customers. We will utilize these opportunities to educate, provide information and assist with program enrollment.

Rural Community Engagement

Evergy proposes to provide enhanced outreach to geographically hard-to-reach customers through this program to create equity for customers who may not be reached by these programs through a traditional approach.

5.3 Business Demand Response (BDR) Program

If businesses have the ability change their electric load when called upon by the utility, it creates overall grid flexibility and adds value to the grid. The proposed BDR program is designed to provide Evergy an additional tool to manage customer demand such that it provides customers an option to participate in crucial winter or summer demand events and provides an opportunity for the business to earn financial incentives.

Evergy proposes to offer two components of participation, depending on the customer's facility type and equipment:

Direct or Aggregator:

Evergy will recruit businesses to participate in the program by assessing customer facilities and identifying opportunities for operational changes to participate in DR events. Recruitment may be determined in several ways and may include direct Evergy customer recruitment or third-party aggregation.

Manual or Auto:

This component includes customer enrollment to receive auto DR signals to existing building management systems or energy management systems. Evergy will send notifications to customers to participate during events. Customers who do no not receive auto signals will conduct on-site load reduction activities manually.

5.4 Hard-to-Reach (HTR) Business Program

Small businesses and non-profits often face numerous obstacles in realizing energy savings. These obstacles include lack of resources, lack of expertise in operational improvement and upfront capital. Evergy proposes a focused program with targeted and enhanced incentives to help this customer segment address these challenges. The Hard-to-Reach (HTR) Business Program includes the programs above with enhanced rebate values and additional initiatives designed only for these business customers.

This HTR Program is separated into five components:

- **Enhanced Business Comfort** – increased rebates or no cost upgrades for small businesses and non-profits, above those noted in Section 5.1.
- **Enhanced Business Operational** - increased rebates or no cost upgrades for small businesses and non-profits, above those noted in Section 5.1.
- **Enhanced Business Products** – increased rebates or no-cost products for small businesses and non-profits.
- **Enhanced New Construction** - increased rebates (noted in Section 5.1) or no-cost products for income-eligible single family or multi-family units and buildings.
- **No Cost Energy Assessment and Free Energy Savings Kits** – This component is available for small businesses and nonprofits, and customers who reside in rural areas. When location makes it difficult to send support staff, the kits with the needed items identified during a virtual assessment will be mailed. These kits also include a

customized report summarizing the assessment findings with additional opportunities for assistance as needed.

6. Pilot Incubator Program

The objective of the Pilot Incubator Program is threefold. It creates a pathway for generating ideas, creates and opportunity for identifying additional programs and/or program component improvements, and tests new concepts for both business and residential customers. This program uses a process to score and evaluate ideas that mirror the needs of Kansas constituents, allowing Evergy to bring innovations and best practices for products, program components and/or programs. The incubator proposed in this filing will focus on the specific needs of Kansas customers, but it can also leverage the work performed in Missouri by Evergy, which includes a list of over 300 concepts already developed and considered.

Figure 15 below illustrates the pilot incubator stages. The pilot incubator has three major stages: identifying concepts, validating ideas and commercializing or integrating the evaluated designs into the portfolio. Failing or succeeding with ideas quickly in a landscape where revision is allowed and expected is less expensive than experimenting at scale. This program allows for managing resources responsibly while creating the ability to transform programs to meet the changing needs of customers and ever evolving technologies.

Identify

Program implementers, Evergy and other community partners can submit ideas into the incubator. Evergy proposes to score and prioritize pilots based on criteria that can most benefit programs and customers. This creates a database to draw on that includes the best practices in the industry and allows for local input that focuses on the needs of Evergy's customers.

Validate

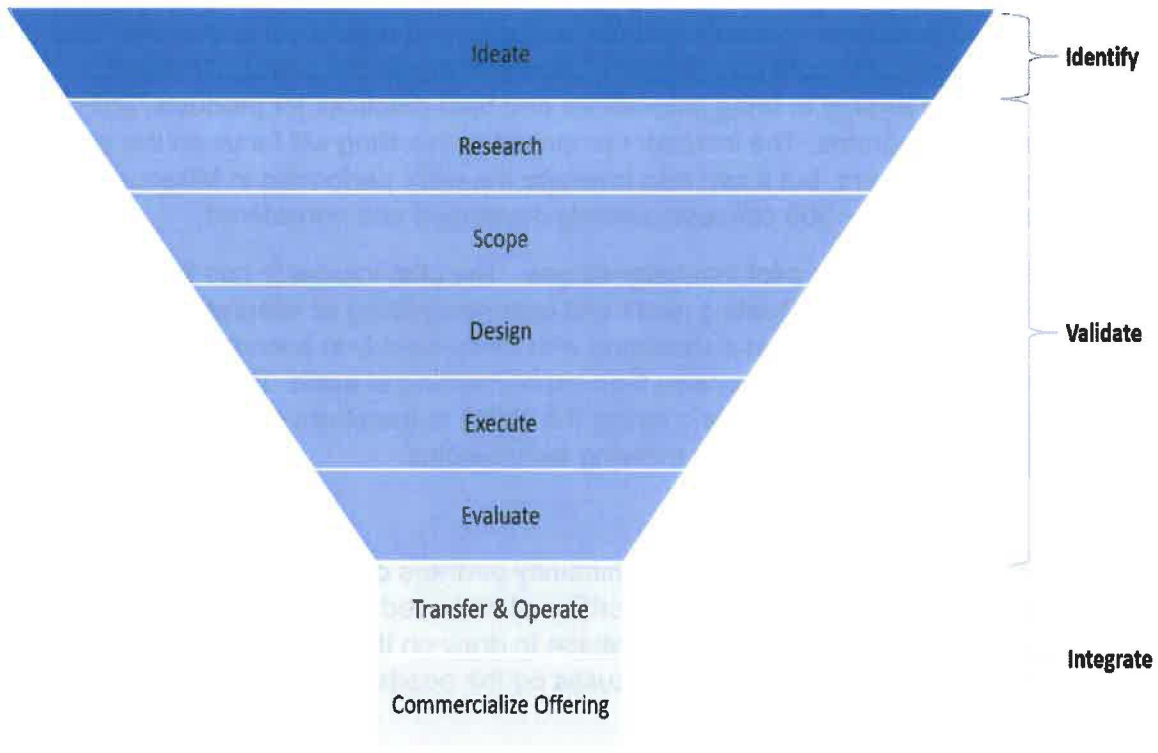
Validation is the largest stage of the program. It includes researching the concept for historical success, evaluating alternative options, reviews viability in the market and then uses this information to scope the test, design the pilot and determine what success will look like. The pilot is presented to stakeholders for feedback, launched, monitored, and enters a cycle of redesign and redeployment if necessary. An idea is honed quickly and can be discarded or moved forward based on performance. The process is documented with reports and reviewed by evaluators. Evergy stores all program data and documents in a database from which it can constantly access and improve.

Evergy proposes to invite interested stakeholders to discuss any new pilots at least 30 days prior to deployment. As shown in Figure 16, this communication will occur after the design step and before the execute step.

Integrate

In the integration phase, business models for the new program or concept are built, new programs are filed for approval and then transferred to an implementation team for the successful integration of improved or new program designs.

Figure 16: Pilot incubator Stages



7. Program Evaluation, Measurement and Verification (EM&V) Plan

Evaluation, Measurement and Verification (EM&V) of DSM programs is an essential component to the deployment of the programs. As stated in the 2012 State and Local Energy Efficiency Action Network (SEE Action) guide on EM&V, "Documenting the benefits of efficiency using credible and transparent methods is a key component of successfully implementing and expanding the role of efficiency in providing secure, stable, reliable, clean and reasonably priced energy."[38]

Evergy proposes an EM&V plan that will meet the primary objectives outlined in the SEE Action guide:

- Document the benefits/impacts of a program and determine whether the program (or portfolio of programs) met its goals.
- Help understand why program-induced effects occurred and identify ways to improve current and future programs.
- Support energy demand forecasting and resource planning by understanding the historical and future effects of energy efficiency as compared to other energy supply and demand side resources.

Considering these key objectives and the importance put on the topic by the Commission in prior proceedings, Evergy proposes a detailed EM&V framework to help drive the outcomes important to the Commission, stakeholders and customers. The proposed framework is a detailed document that accounts for industry best practices for important components of the evaluation of programs. While the framework contains proposals for many facets of evaluation, it also allows for stakeholder guidance to achieve insights into specific topics accordingly.

Evergy proposes to engage a third-party vendor to conduct EM&V of the portfolio of programs. EM&V should be an independent assessment of program and portfolio impacts and processes, while serving as an important continuous improvement and quality assurance tool for program delivery. EM&V results will also directly integrate into the throughput disincentive adjustment and earnings opportunity calculations.

As described and outlined in the EM&V Framework, Evergy proposes that the third-party vendor perform the following activities.

Evaluation Planning

Evaluation planning includes prioritizing program-level activities based on factors such as contribution to portfolio and sector savings, contribution to portfolio and sector spending, uncertainty, and program maturity.

[38] SEE Action Guide for States: Evaluation, Measurement, and Verification Frameworks-Guidance for Energy Efficiency Portfolios Funded by Utility Customers (https://www.energy.gov/sites/default/files/2021-07/EMV-Framework_Jan2018.pdf)

Verify Gross Impacts

Verifying gross impacts includes confirming the savings achieved from measures installed and behavioral actions from program activities. Using the Technical Reference Manual (TRM)[39] as a basis, EM&V will verify gross impacts through rigorous and methodologically sound activities such as:

- Engineering analysis based on deemed and partially deemed calculations within the TRM
- Statistical analysis using billing and/or AMI data
- On-site verification and/or metering
- Simulation modeling
- Participant surveys
- Desk reviews

Estimate Net-to-Gross (NTG)

Estimation of NTG includes providing results of the proportion of gross savings attributable to program interventions. This accounts for free-riders[40] () and spillover[41] (). The EM&V vendor will quantify NTG using approaches such as:

- Participant surveys
- Trade ally surveys
- Non-participant surveys
- Market data analysis
- Statistical modeling, such as elasticity analysis

Review Program Processes

To maximize impact, effectiveness, and customer satisfaction as well as provide insights into opportunities for improvements, the review of program processes will include methods such as:

- Program staff and stakeholder interviews
- Participant interviews and surveys
- Trade ally interviews and surveys
- Secondary data analysis and program benchmarking
- In-depth qualitative research including focus groups, online interviews and intercept interviews and surveys
- Customer journey mapping
- Case study development

Calculate Cost-Effectiveness

[39] Appendix C.
[40] Free riders are defined as customers who would have acted on an EE measure in absence of the utility program.
[41] Spillover is defined as EE actions a customer took without receiving a rebate for so doing as a result of what they learned through Evergy's DSM programs, marketing and education efforts.

Calculation of cost-effectiveness will be performed at the program and portfolio levels, focusing on the TRC test but also running analyses to calculate the other four cost-effectiveness tests: SCT, UCT, PCT AND RIM described in Section 1.

Modify TRM Values

TRM modifications will be performed after each program year and will be on a prospective basis. Subsequent program years will refer to the revised values. The inputs to be assessed include baseline equipment efficiency, usage assumptions and incremental costs.

EM&V Reporting

The EM&V third-party vendor will provide progress reports against goals, program activities, and EM&V findings through interim reports and annual reporting. Evaluations will leverage industry standard best practice documents in determining methodological approaches, such as the Uniform Methods Project (UMP), International Performance Measurement and Verification Protocol (IPMVP) and Standard Practice Manual for cost-effectiveness. Sampling for quantitative data collection efforts will strive to achieve a minimum 90% ± 10% level of precision at the program-level.

Evergy will collaborate with the EM&V third-party vendor to deliver draft EM&V reports 120 days after the last day of the program year. The timeline will include opportunity for up to two review periods and presentations to stakeholders. Table X below summarizes an example of a reporting timeframe.

Table 11: Annual EM&V Timeline (KEEIA Cycle 1 Program Year 1 Example)

# Of Days	Projected Date	Description
	12/31/2023	Program Year Ends
120	04/30/2024	EM&V Draft Report Issued
60	06/28/2024	KCC Staff and Stakeholder comments due
	TBD	Stakeholder meeting to discuss the comments and recommendations for report changes
30	07/30/2024	Final Draft EM&V Report due
20	08/20/2024	Designated stakeholder to provide written comments of any concerns on the final draft EM&V Report to Evergy, KCC Staff and all other stakeholders.
15	09/04/2024	Final EM&V Report due

8. Financial Recovery Approach

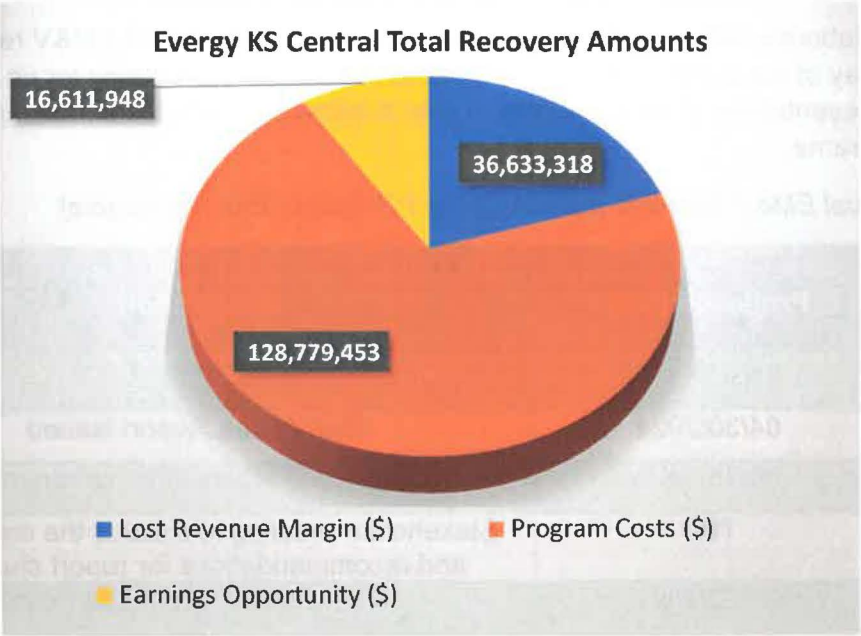
Utility Incentive Alignment

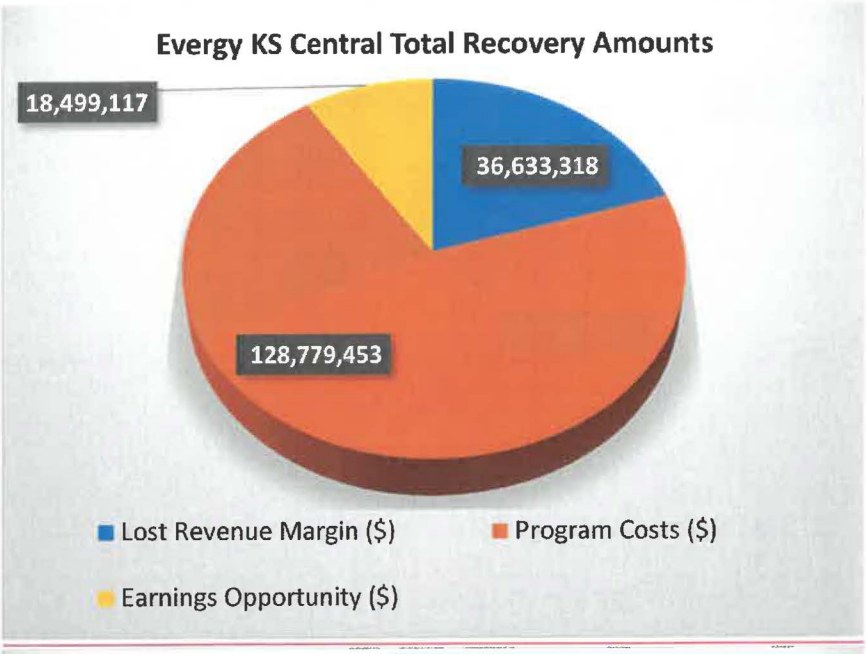
KEEIA establishes a state policy allowing for recovery of all reasonable and prudent costs of delivering cost-effective DSM programs. In support of that goal, KEEIA requires the Commission to:

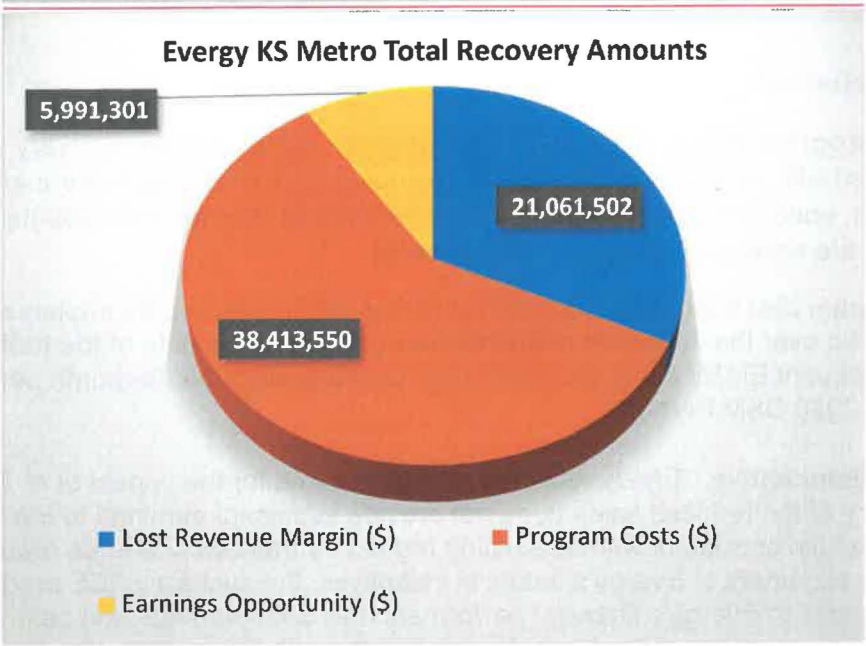
- Provide timely cost recovery for utilities
- Ensure that utility financial incentives are aligned with helping customers use energy more efficiently and in a manner that sustains or enhances utility customers' incentives to use energy more efficiently
- Provide timely earnings opportunities associated with cost-effective, measurable, and verifiable efficiency savings

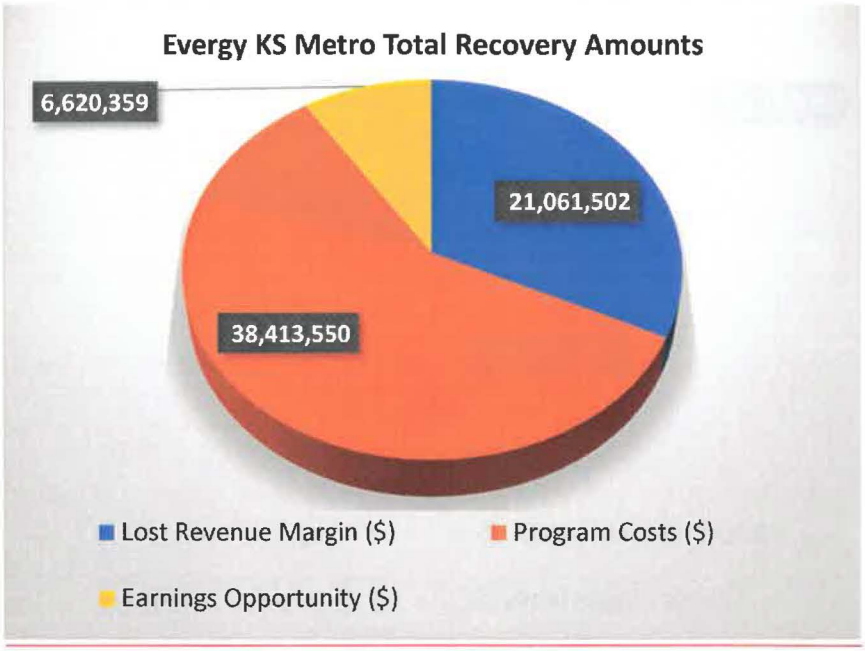
To achieve the KEEIA goals, Evergy proposes an Energy Efficiency Rider (EER) structure that is consistent with KEEIA statute. The EER will provide for recovery of program costs, throughput disincentive and earnings opportunity. Figure 16 shows the recovery amounts as proposed in this filing for 2023-2026.

Figure 17[BF34]*: Total Recovery Amounts*




Evergy KS Central Total Recovery Amounts
18,499,117
36,633,318
128,779,453
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Metro Total Recovery Amounts
5,991,301
21,061,502
38,413,550
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)



Proposed Mechanism

Recovery of program costs. Recovery of the program costs includes recovery of the direct costs associated with program administration (including internal Evergy labor and EM&V), implementation, education and marketing, and incentives to program participants. These program costs are necessary to obtain DSM benefits.

Proposed program cost budgets include all costs that will be incurred for implementation of Evergy's portfolio over the 48-month period following the effective date of the tariff sheets, including subsequent EM&V costs incurred in the year following the 48-month period of the KEEIA 2023 – 2026 DSM Portfolio.

Throughput disincentive. Timely recovery is also required for the impact of reduced electricity sales. Recovery of the reduced sales does not provide additional earnings to Evergy, but rather keeps Evergy whole consistent with its existing regulatory framework and as required by KEEIA. Without proper alignment of Evergy's financial incentives, the success of EE programs will result in negative impacts to Evergy's financial performance as both earnings and cash flow will be affected. Providing recovery of the lost sales associated with EE reverses the negative financial effects by Evergy requesting a throughput disincentive (TD) intended to recover any lost margin revenues resulting from the installation of EE measures and its effect on billed kWh sales in base rates through Evergy's next general rate case.

To recognize TD recovery resulting from implementation of the KEEIA 2023-2026 DSM Portfolio, the amount of such recovery must be objectively determinable at the time of recognition. To meet this requirement, Evergy proposes the use of a TD model to calculate the effect of deemed kWh savings, net of assumed NTG factors in the Company's TRM, resulting from energy efficiency measures installed on Evergy's kWh sales and revenues. To ensure that this interest in recognizing and recovering the TD in the period in which Evergy's revenues are impacted are balanced against KEEIA's requirement that DSM programs are subject to independent evaluation. Evergy proposes that adjustments in deemed kWh/kW savings and

NTG factors used in calculating the TD be updated on a prospective basis in the program year following the completion of the final EM&V. For example, the EM&V results from the first program year, completed during the second program year, will be used in the third program year.

Earnings Opportunity. The effect on shareholder value compared to supply-side alternatives recognizes the opportunity cost to the utility of substituting DSM for supply-side alternatives. Demand-side resources cannot be valued equally to supply-side resources without providing an equivalent opportunity to enhance shareholder value. Providing an EO moves demand-side resources beyond a breakeven proposition and allows fair competition with supply-side alternatives; thus, allowing the utility to value the two options equally.

Evergy's proposal includes an EO to align key performance indicators and a financial return for the investment. The proposed performance metrics support the stakeholder strong interest in providing significant and effective energy education as well investment in hard-to-reach segments. Evergy's proposed EO is provided in Appendix E. The targets for the financial return associated with the education and hard-to-reach programs are calculated based on a percentage of total spend (5 percent). Additionally, achieving measurable and verifiable energy and demand savings are the ultimate measure of success of the proposed DSM programs. Three metrics are proposed to support that outcome. The metrics include:

- Energy savings (MWh)
- Demand savings (MW) from energy efficiency programs
- Demand savings (MW) from demand response programs

The targets for the financial value for these three components are based on a percentage (18 percent) of the net benefits created from the energy and demand savings of the specific components. For purposes of the EO, the kWh and kW savings measurements will be determined through the EM&V performed annually based on measures installed in that year annualized unless otherwise described in the EO matrix shown in Appendix F.

The EO is proposed to be recovered annually for each program year following final determination based on the EM&V 12-month recovery period following the final EM&V report.

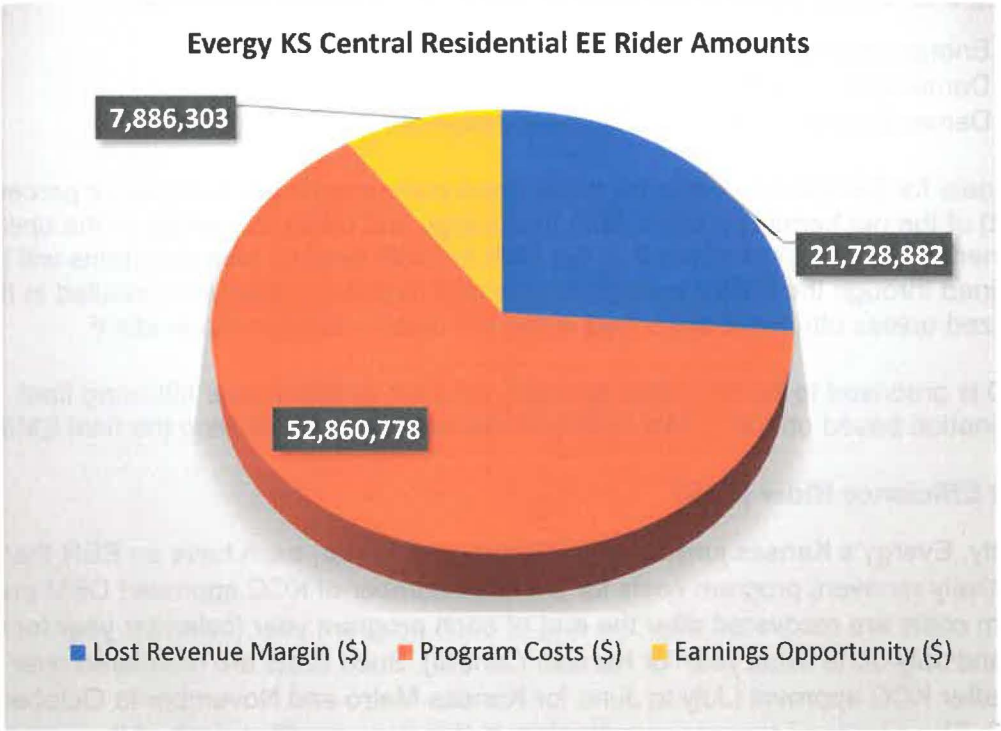
Energy Efficiency Rider (EER)

Currently, Evergy's Kansas jurisdictions (Central and Metro) each have an EER that retroactively recovers program costs for a limited number of KCC approved DSM programs. Program costs are recovered after the end of each program year (calendar year for Kansas Metro and July-June fiscal year for Kansas Central). Such costs are recovered over a 12-month period after KCC approval (July to June for Kansas Metro and November to October for Kansas Central). The proposed recovery mechanism in this case modifies each of the jurisdictional riders to a common calendar annual program year and recovery period beginning in July of the following year.

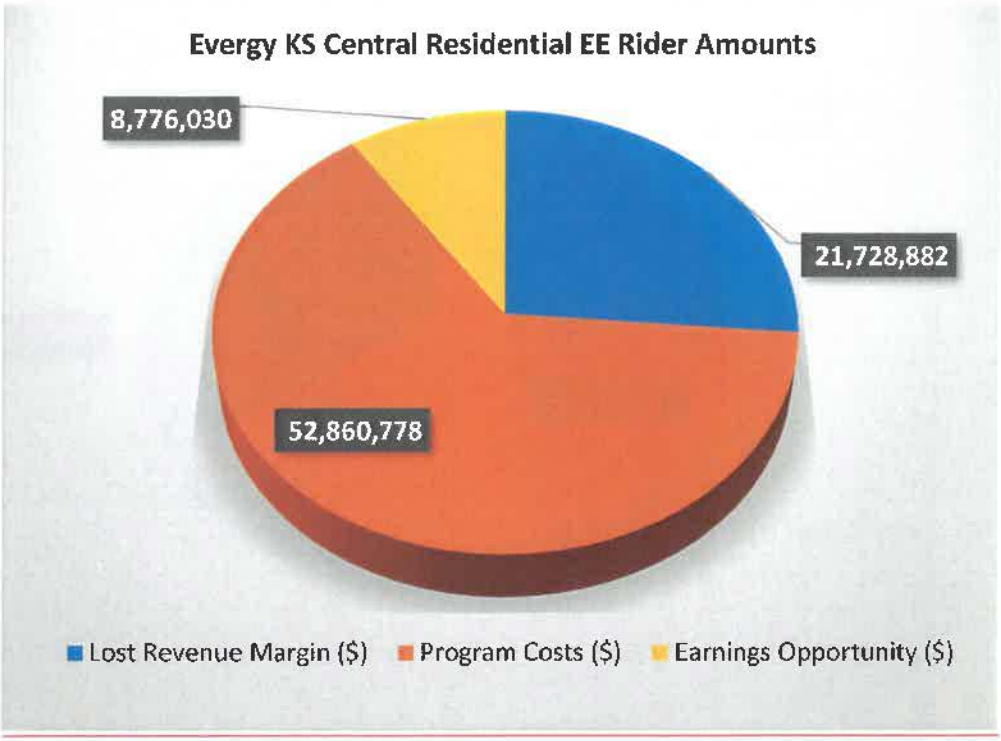
Evergy is requesting approval of the EER such that:

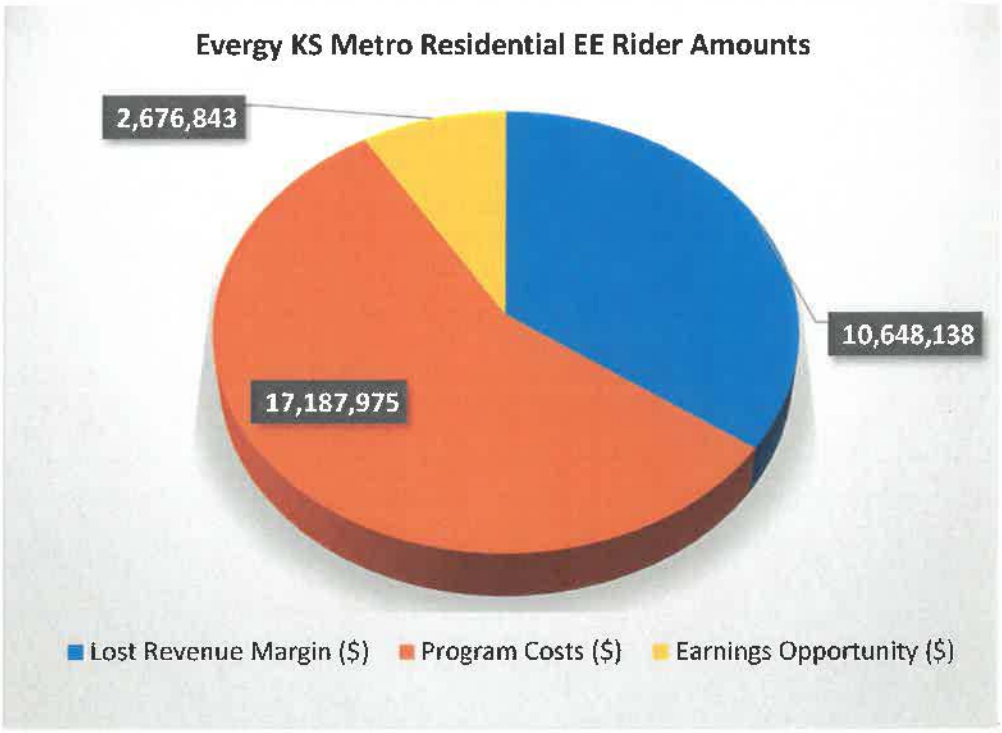
- The EER include recovery of program costs and TD starting July 2024 given approval by the Commission and continue until all program costs and TD are recovered.
- The EER collect actual program costs that include a carrying cost at the Companies' weighted average cost of capital (WACC) and calculated TD on deemed kWh savings net of NTG factors.
- The EER be updated annually with a reconciliation of the prior periods under- or over-recovery of program costs and TD with carrying costs on any under- or over-recovery.
- The net kWh for the TD within the EER is determined by multiplying the deemed kWh savings and NTG factor for each measure as listed in Evergy's TRM for standard measures or calculated net kWh savings for custom measures for the respective month times the incremental rate for each respective customer class[42].
- The EER will provide for separate rates for residential and business customers. These costs are shown in Figure 18. Figure 19 and Figure 20 show the projected $/kWh EER impact for residential and business customers, respectively.

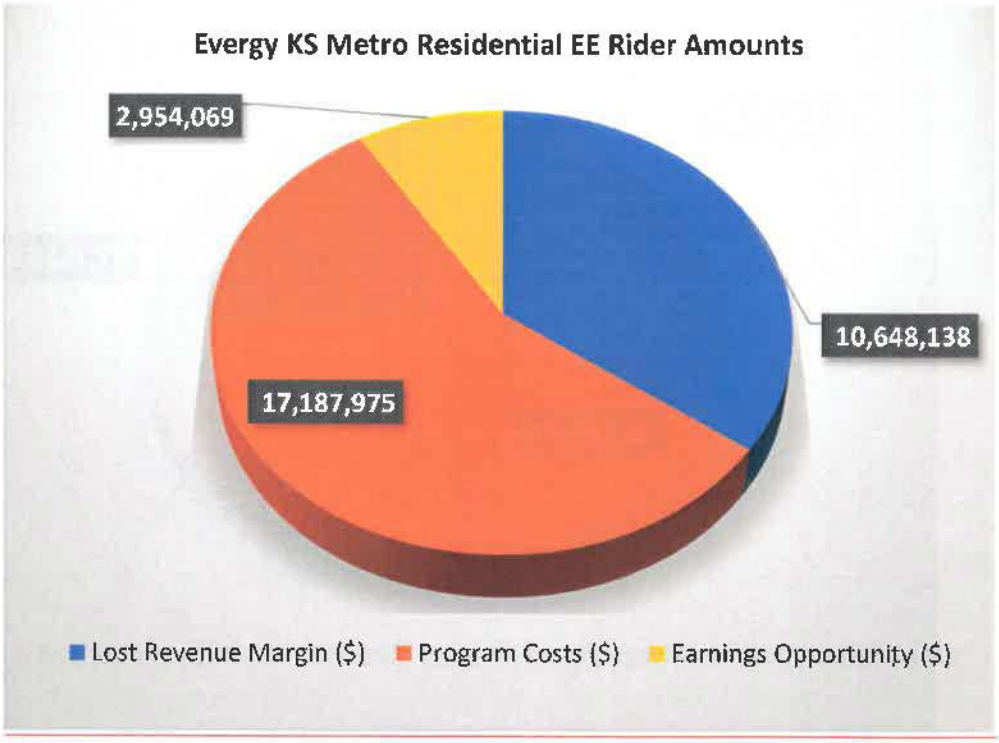
Figure 18: [BF35][BF36]EE Rider Amounts for Residential and Business Sectors

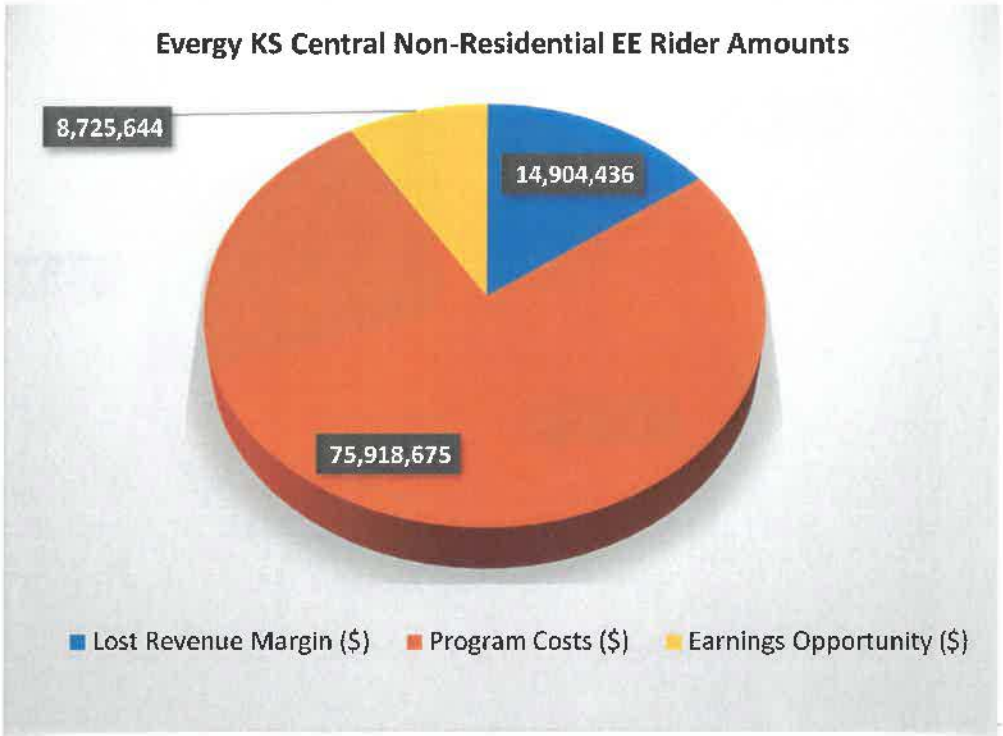


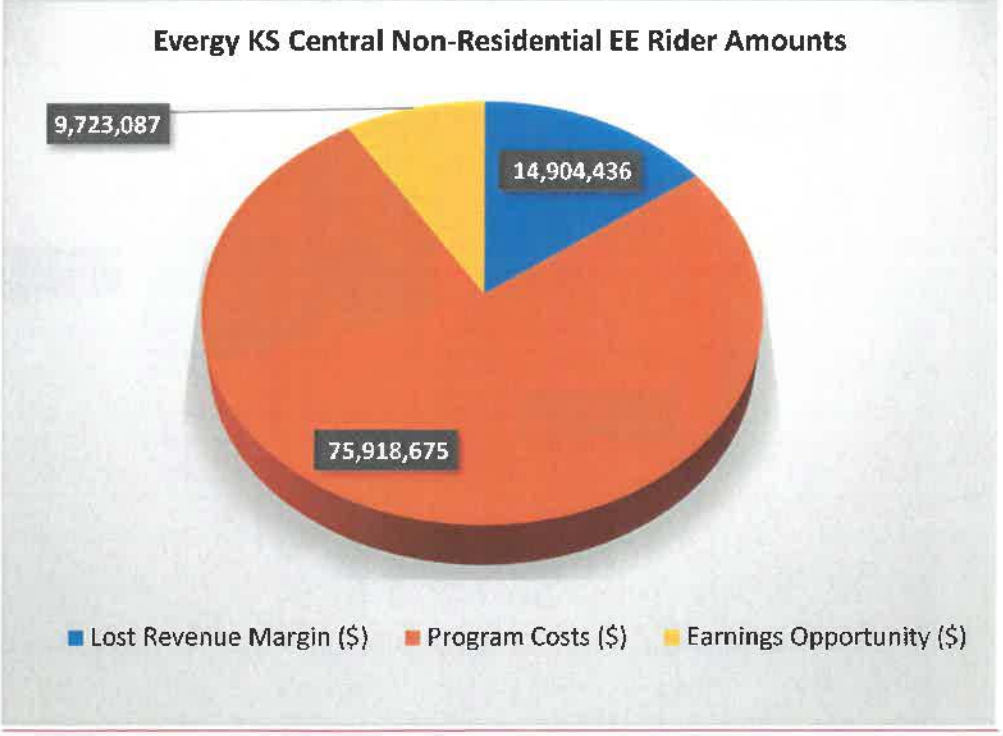
[42] Annual kWh savings per standard measures and NTG factors will be updated prospectively in Evergy's TRM in the program year following issuance of each EM&V report

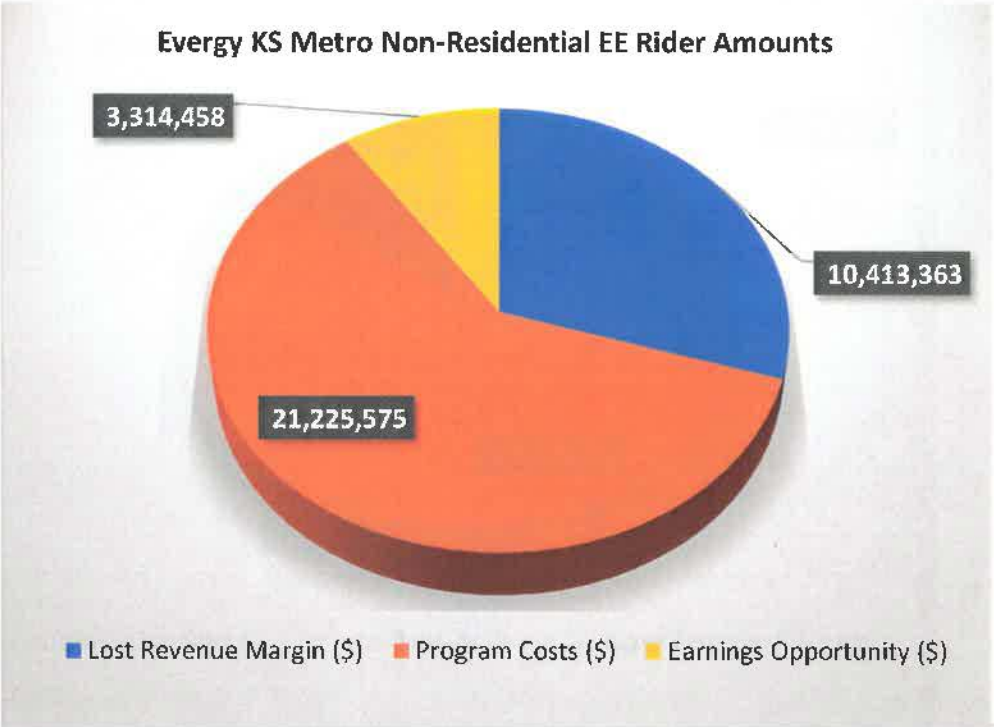

Evergy KS Central Residential EE Rider Amounts
8,776,030
21,728,882
52,860,778
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Metro Residential EE Rider Amounts
2,676,843
10,648,138
17,187,975
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Metro Residential EE Rider Amounts
2,954,069
10,648,138
17,187,975
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Central Non-Residential EE Rider Amounts
8,725,644
14,904,436
75,918,675
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Central Non-Residential EE Rider Amounts
9,723,087
14,904,436
75,918,675
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Metro Non-Residential EE Rider Amounts
3,314,458
10,413,363
21,225,575
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)

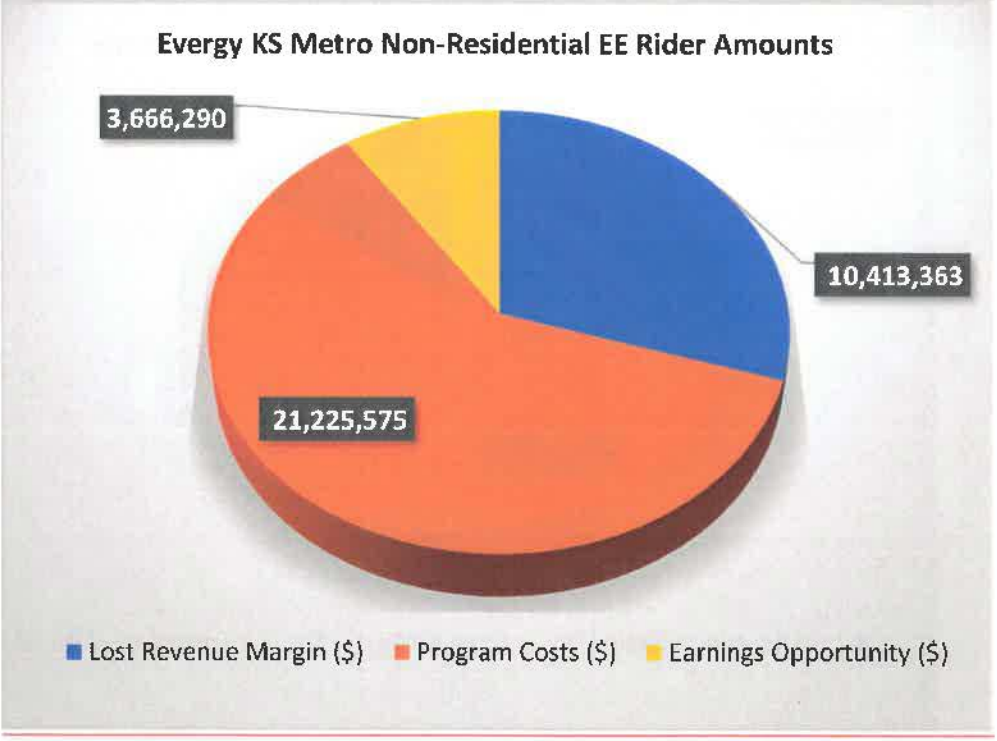
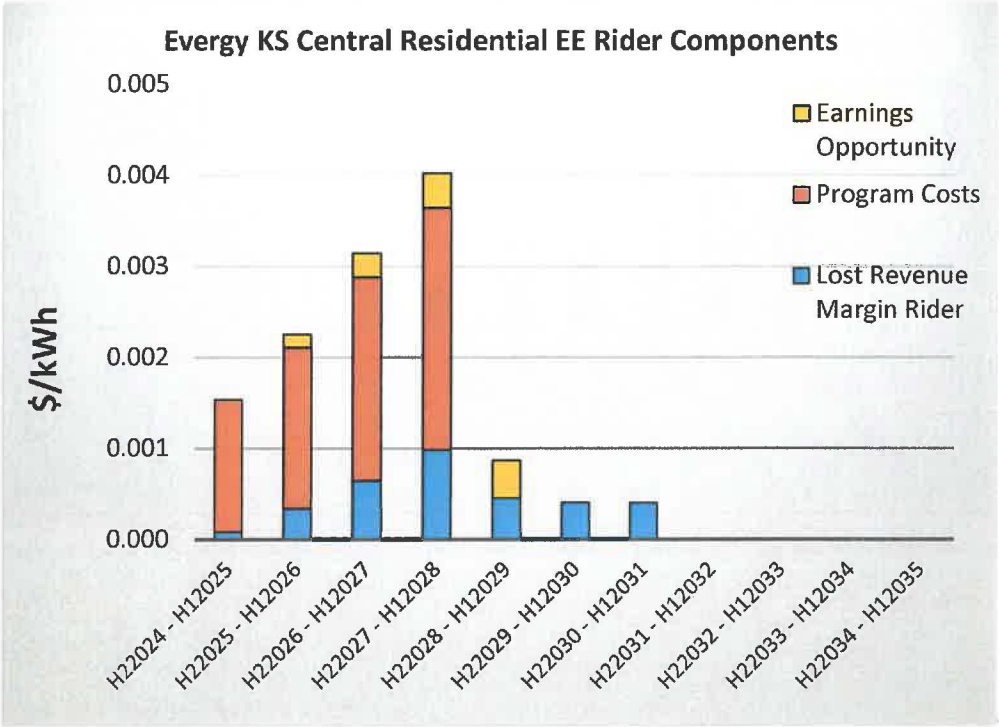
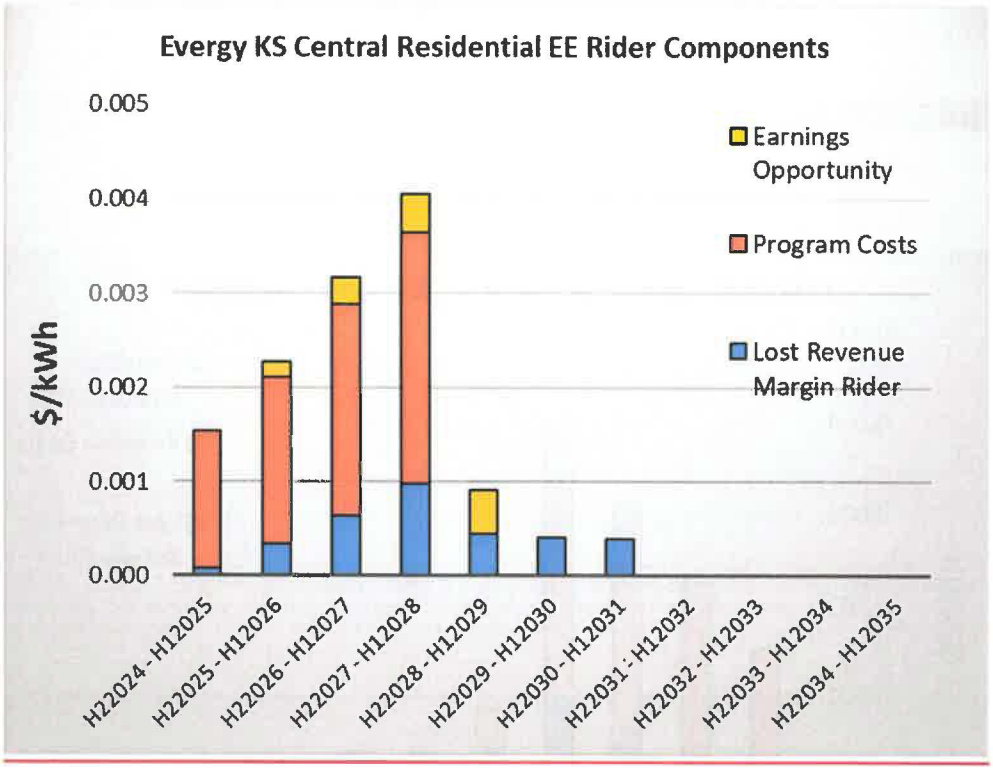
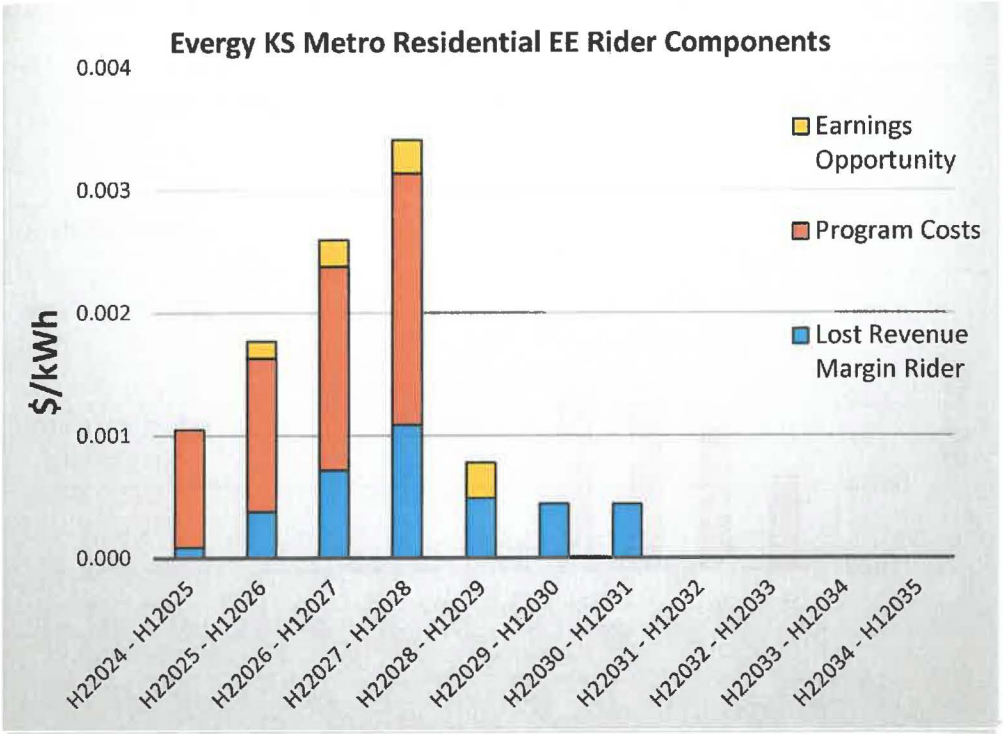

Evergy KS Metro Non-Residential EE Rider Amounts
3,666,290
10,413,363
21,225,575
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)

Figure 19: [BF37][BF38]Residential EER $/kWh Impact[43]



[43] The "H" shown in the X-Axis refers to "half" since the EER updates are proposed in July.

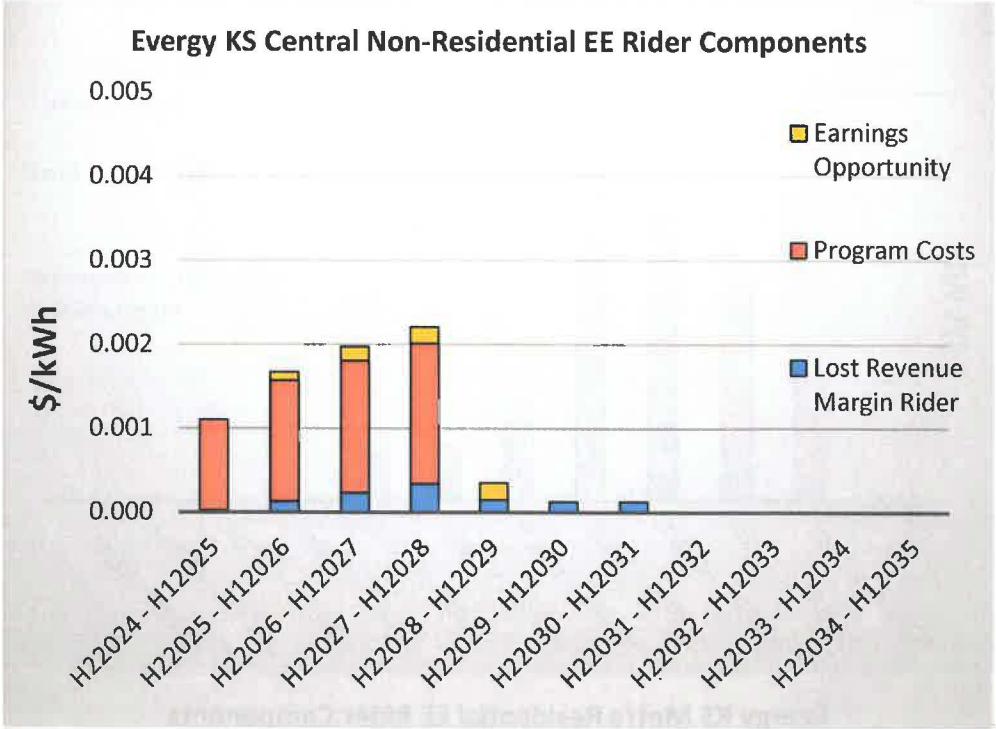

Evergy KS Central Residential EE Rider Components
0.005
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
H22027 - H12028
H22028 - H12029
H22029 - H12030
H22030 - H12031
H22031 - H12032
H22032 - H12033
H22033 - H12034
H22034 - H12035



Evergy KS Metro Residential EE Rider Components
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
H22027 - H12028
H22028 - H12029
H22029 - H12030
H22030 - H12031
H22031 - H12032
H22032 - H12033
H22033 - H12034
H22034 - H12035

Figure 20: [BF39][BF40]*Business EER $/kWh Impact*[44]

[44] Ibid.


Evergy KS Central Non-Residential EE Rider Components
0.005
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$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
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H22031 - H12032
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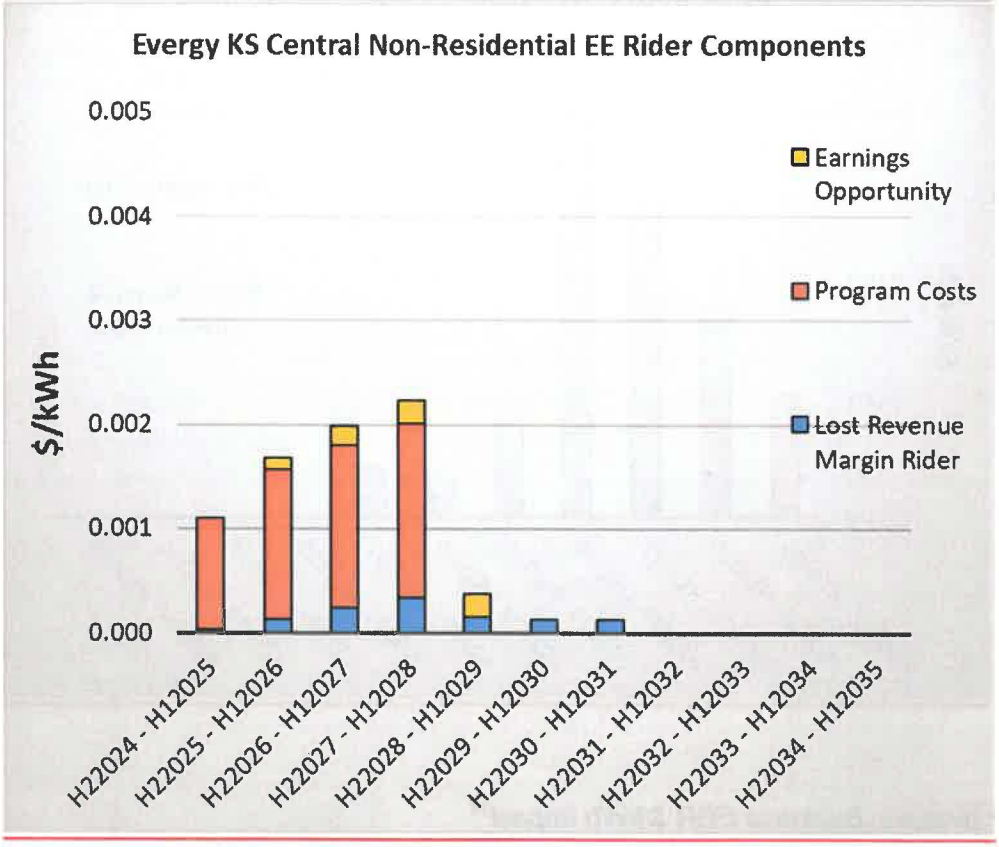
H22033 - H12034
H22034 - H12035


Evergy KS Central Non-Residential EE Rider Components
0.005
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
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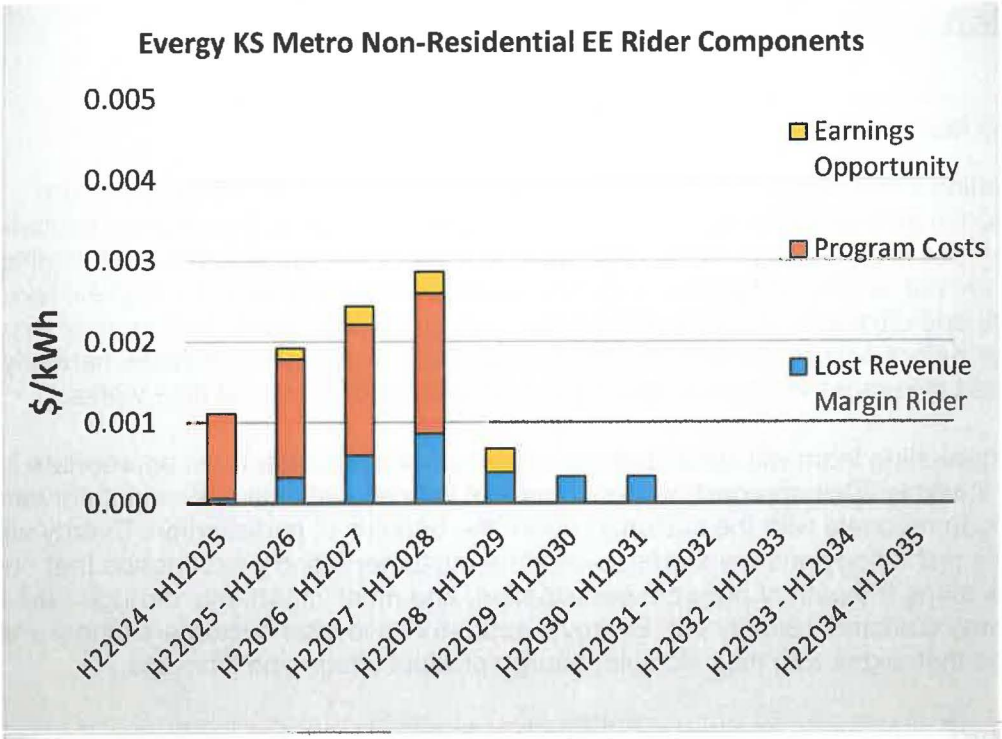
Evergy KS Metro Non-Residential EE Rider Components
0.005
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
H22027 - H12028
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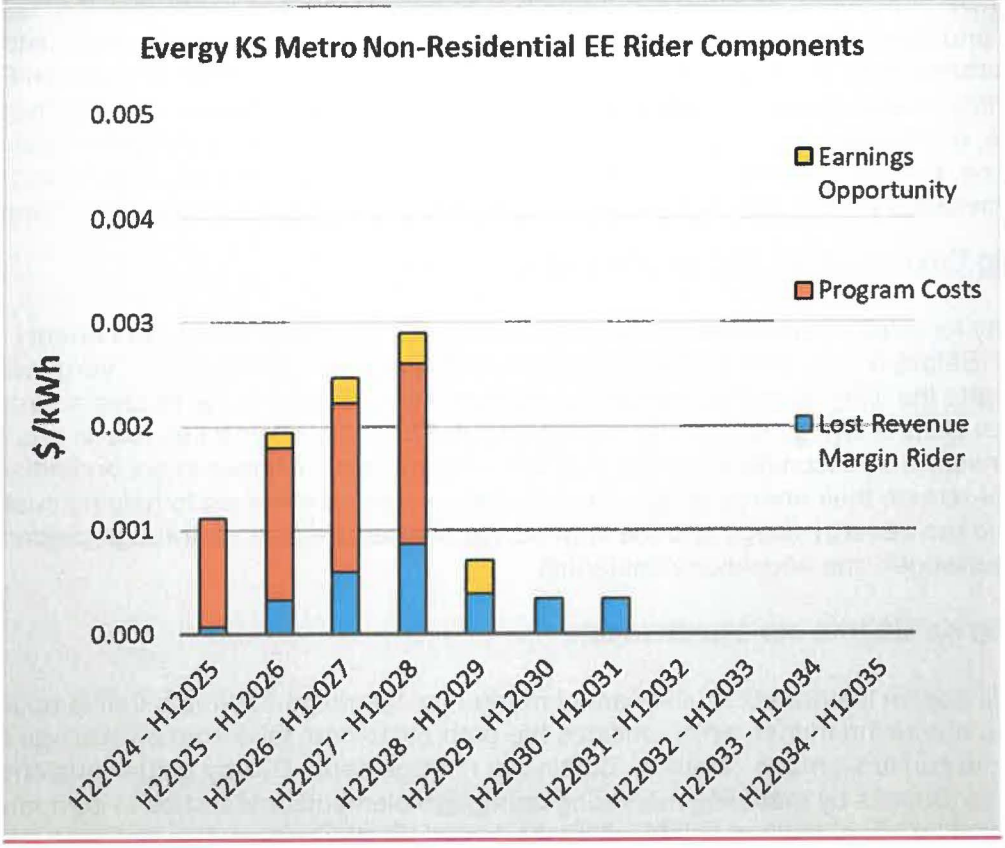
H22033 - H12034
H22034 - H12035


Evergy KS Metro Non-Residential EE Rider Components
0.005
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
H22027 - H12028
H22028 - H12029
H22029 - H12030
H22030 - H12031
H22031 - H12032
H22032 - H12033
H22033 - H12034
H22034 - H12035

9. Implementation and Marketing

Integrated Marketing Communications Approach

The marketing and communications strategy will focus on four main steps to nurture participation in energy efficiency and demand response programs: awareness, education, conversion and engagement. These steps will be executed through careful messaging and effective, proven tactics. Integrated marketing communications deliver the highest levels of awareness and ultimately program participation. Because customers need several exposures to a message before acting, the surround sound approach of delivering multiple, carefully orchestrated messages in multiple channels over sustained periods of time works.

Evergy's marketing team will strive to meet customers with an offer most appropriate in their customer lifecycle. This approach works in tandem with educational and straightforward messaging to resonate with the customer about the benefits of participation. Evergy will optimize its technology and resources to create a customer friendly experience that nurtures customers along the path of program participation, and most importantly through their lifecycle as an Evergy customer. Simply put, Evergy's approach is to offer customers timely and relevant information that aligns with their lifestyle, energy/product usage and interests.

Marketing will continue to be executed through automated tools and processes that reflect both proactive and reactive modern marketing capabilities, consistently engaging with customers as Evergy nurtures them to participation. A customer may begin their interaction with an Evergy product through one channel, but Evergy will continue to speak to them even after they navigate elsewhere, as well as ensure appropriate tactics are in place and can be triggered based on their actions. Evergy's marketing will always be 'on' so we are staying top of mind and delivering the right messages to the right people at critical points of their decision-making process.

Educating Customers on Energy Use and Efficiency

The priority for marketing KEEIA is educating customers on energy usage and energy efficiency. Before a customer will be comfortable with program participation, Evergy will communicate the 'why' of energy efficiency. As their utility, Evergy is the trusted source of information around energy usage and management. The utility plays a key role in educating in a straightforward and uncomplicated way that will encourage a customer to act on finding ways to manage or reduce their energy usage. Evergy will pay special attention to helping customers understand their energy usage and the importance of energy efficiency through personalized reports, messages and educational materials.

Launching KEEIA into our Communities

Evergy will use an integrated, multi-channel marketing campaign approach that is optimized around the marketing funnel, which outlines the path customers take from awareness to education to conversion and, finally, to continued engagement. Evergy guides customers through this process by matching marketing campaign elements and tactics to customers' informational needs at various points within the funnel. Customers receive further support through the engagement portion when programs are cross-promoted with other related programs or information in which programs not yet participated.

Marketing Planning

Once final program details have been approved by stakeholders and Commission, the Evergy marketing team will develop a marketing campaign plan considering the approved programs, individual requirements, customer segments identified and desired stipulations, outcomes and goals. One of the key drivers in developing a marketing strategy will be the final approved program and stipulation information, which makes waiting on approval important before building out marketing strategies.

This planning will have multiple phases developed over 3-5 months once programs are approved:

- Customer and Program Research and Audience Development
- Marketing Strategy, Outreach/Advertising Tactics, Timeline and Budget
- Program Naming and Messaging
- Creative Development
- Testing
- Deployment and Measurement

Marketing Strategy

Evergy will develop a two-phase marketing strategy to kick-off KEEIA, allowing Evergy to launch the new programs and energy efficiency education into our Kansas territory successfully.

Phase 1: Soft Launch
A soft launch will kick off our communications, allowing Evergy to test messaging and creative, understand questions and create advocates.

Phase 2: Full Launch
Awareness/Education Campaigns: Helps make sure all customers know Evergy offers products and provide energy efficiency and usage education.

Enrollment Campaign: The awareness campaign will also give Evergy the ability to capture customers with a true interest, such as through an online sign-up form to be notified when the programs are fully available. This will allow Evergy to target the most interested customers not only immediately upon program availability, but also through the most cost-effective channel for conversion.

During and after each step and phase, Evergy will continue to analyze performance data and analytics to understand how messaging and marketing tactics are preforming. Evergy will continue to make adjustments to the strategy throughout the program time frame.

Targeted Marketing Communications

A fundamental part of all marketing is to get the right message to the right customer via data, targeting, modeling and customer-initiated actions. There is no one size fits all approach, as the Company consistently works to identify the target market opportunity on an ongoing basis, as A/B ads are tested and insight is gained into both who is converting and who is simply engaging. The constant monitoring of this activity, combined with refinement and growth of our data architecture, allows Evergy to change and tweak messaging and imagery to align efforts with what the data is telling.

A central component to identifying audiences will be monthly and quarterly evaluation and adjustment of marketing, based on how an audience is responding to ads. This approach will

generate more quality program 'leads' that grow insight into a customer's lifecycle and ultimately, their participation in an energy efficiency program.

Evergy proposes to include targeted marketing communications in the mix of strategies that make up the larger integrated marketing communications approach. While mass marketing casts a wide net, targeted marketing is like spearfishing. To capture individual customers and push them through the marketing funnel, three elements are needed:

- A well-defined target group of customers whose needs match an offering
- Messaging that helps customers understand how they benefit from the offering
- Distribution at relevant times for the customer and integration with other marketing

Messaging Development and Research

Over the years, Evergy has learned how residential and business customers understand, receive and use EE programs. In preparation for launching KEEIA, Evergy will use primary and secondary research to dig deeper and more fully analyze how proposed and continuing programs are perceived and used, and further explore customers' decision-making process and the benefits they find most motivating. These insights support the continued creation of tailored messaging with a focus on educating customers to encourage enrollment. Messaging will emphasize and promote the 'whole home' or 'whole business' benefits of all of the programs, tools and resources available to make their premise more energy efficient.

- Overarching key messages for residential programs may include:
- Energy efficiency reduces monthly energy bills due to lower operating costs.
- Programs help lower energy bills through rebates and incentives for installing highly efficient equipment.
- Energy efficiency helps reduce environmental impacts.

Overarching key messages for business programs may include:

- Energy savings contribute directly to increased profits.
- Partnering with the property manager (when applicable) to employ energy savings can lower energy costs, improve ambiance and increase property value.
- Because energy costs are a sizable portion of an operating budget, investing in energy efficiency is a smart decision with major impact.
- Rebates help reduce upfront costs, shorten payback periods and provide ongoing savings.
- Energy-efficient equipment and systems increase reliability while decreasing maintenance costs.
- Saving energy helps reduce environment impacts and meet sustainability goals.

Marketing Creative

In keeping consistent with the Company's direction of creating relatable and easy-to-understand messaging, Evergy's creative will follow that same path. Imagery will be consistent with Evergy branding, with efforts made to feature local people in local situations (less stock imagery) so the marketing retains an authentic look. Evergy anticipates creative to also serve as a platform that can communicate to customers the direct impact of their efforts, providing examples of energy savings, paybacks, lifetime savings and other personal rewards.

Evergy and implementer marketing staff will work together to develop and finalize materials to support the promotion and education of the programs, as well as needed materials for trade ally and customer participation in those programs.

The collateral needed to implement the programs will span multiple marketing channels such as printed materials and digital/online assets. Items to be developed include (but are not limited to) informational and sales brochures, program applications for both trade allies and customers, rebate forms, incentive charts, digital newsletters, emails, promotional items, information leave-behind flyers, postcards, door hangers and more.

Customer Identification

Sophisticated customer targeting will be used with a combination of data currently in the Company's customer database, demographic information and building type data in order to streamline the process of acquiring customers that are appropriate to each program. This allows the marketing and outreach teams to cost-effectively ramp up more quickly and focus on those most likely to participate, or most likely to benefit the most from programs as in the case of hard-to-reach program designs. Stakeholders will also be engaged to ensure that the right format is being used to reach these individuals, for example, working with community organizers and churches who are trusted advisors to reach communities, individuals, and businesses at need of assistance.

Trade Ally Recruitment and Outreach

The implementers will develop a working plan geared towards successfully recruiting trade allies to participate in programs, as well as tactics focused on maintaining ongoing communications. Some trade allies who are currently in the Missouri program already provide services in Kansas, and conversely there are Kansas-based contractors who work on the Missouri programs. Teams will leverage these existing connections, and work with local HVAC and building performance stakeholder groups to ensure that the widest number of businesses who are eligible are offered the opportunity to participate in programs. Evergy has also learned much about how to integrate DBE Trade Allies into the network from the work in Missouri[45] and will use specific tactics to target DBE organizations for discussions about how to be involved and successful and delivering energy efficiency solutions for our mutual customers.

Building and maintaining relationships with trade allies is key to the programs' success and meeting specific program goals. The outreach strategy developed for the trade allies will include tactics such as monthly newsletters and other emails, surveys, and one-on-one communication like telephone calls, in-person visits and personal email. Implementers will utilize a CRM database to ensure current contact information and pertinent information for participating trade allies is maintained.

Additionally, the outreach strategy will compromise of tactics to maintain the active trade allies' participation in the programs. Those tactics will include development of marketing program materials for trade allies to use to sell to their customers, co-delivered advertising initiatives, and

[45] In 2019, Evergy Missouri ran a 10-week concentrated effort to identify, interview, recruit and provide tools and training for DBE trade allies to support Missouri energy efficiency programs with multiple documented lessons learned.

ongoing training through self-paced guides and hosted webinars. Outreach teams are also a key quality control for program delivery, as they work directly with allies to ensure customer service levels are maintained and that data is collected accurately.

Leverage Existing Education and Marketing Channels

It will be important to identify and leverage existing marketing to understand successes and obstacles within the Kansas State University's Engineering Extension Office to incorporate education channels to be most effective with marketing and expand reach as wide as possible, with well-planned EE series efforts. With Evergy's focus historically on residential and business customers, the Company has an opportunity to learn from the Kansas Energy Program on ways to further that outreach and engage educators and even students on energy efficiency. To leverage the work already underway, we will:

1. Conduct meetings with the Extension Office on current and past efforts
2. Look into upcoming opportunities and ideas on how to partner together
3. Understand how Evergy can help support the department goals through KEEIA
4. Identify case study or video series opportunities for energy efficiency education efforts

In addition to the Kansas Energy Program, Evergy will engage additional stakeholders to identify opportunities to best build on success and expand channels.

Program Startup and Procurement

Evergy has offered DSM programs to its customers under the MEEIA framework for nearly 10 years, therefore a benefit that can be shared with Kansas is that a program implementation structure is already well established. The structure is successful, highly functional and EM&Vs have concluded high customer satisfaction and cost-effective savings. The proposed portfolio of programs will be delivered by both internal Evergy staff and implementers. The Evergy Products and Services team has an experienced program management staff who will leverage existing procurement strategies to meet the program designs filed herein and collaborate with qualified implementation teams to provide support for such elements as program infrastructure development, staffing, materials development, outreach and/or required program services. Evergy's internal marketing team will work closely with implementers on integrated education and marketing strategy.

Implementer Selection and Management

Upon approval, Evergy will develop a startup calendar with key milestones, Evergy anticipates three months for procurement and contract negotiations to determine implementer partners. Evergy will evaluate current implementers and how it may leverage new implementers for approved programs.

In parallel with this effort, Evergy will begin building the infrastructure needed to offer approved programs. Evergy anticipates public facing engagement will also have a parallel roll-out to prioritize education programs. Startup schedules with key milestones will be developed and weekly meetings will be held to ensure progress on key items, such as operations manuals, IT and staffing infrastructure, along with other key elements prior to program launch.

Tracking Progress and Deliverables

Each program will be assigned supervision from Evergy's Energy Solutions team to ensure that program requirements, quality assurance, budgets and participation goals are being met and on track for delivery. Implementers will be required to deliver forecasted program schedules, budgets and program performance projections in advance of the program startup. Teams will report quantitative results no less than monthly to the Evergy's management team through secure electronic data transfer. Implementers will manage day to day operations, but key program decisions will be raised to the Evergy manager to ensure that all filed requirements are met. Customer service metrics and other key performance indicators will be developed between Evergy and the implementation teams to ensure quality of service for program consumers. Post participation surveys will be implemented where possible, to allow constant improvement and monitoring of implementor and trade ally program delivery.

Reporting and Stakeholder Feedback

Evergy believes in a process of constant feedback and improvement. It is expected that on a quarterly basis, Evergy will hold stakeholder updates on program process, including program launch schedule, annual forecasted performance and current program results. Stakeholders will be invited to attend these meetings and provide ideas and or feedback to enable program managers to adjust to conditions as they are identified. The feedback from customer engagement groups and other methods will be used to improve programs as they evolve. The incubator will also be leveraged as a cost-effective method to test new ideas, technologies or strategies that could improve program performance.

KCC Filing
Evergy Kansas Metro & Evergy Kansas Central

KEEIA 2023 – 2026 Demand-Side Management Portfolio Filing

May 2022 Update

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KEEIA | Kansas Energy Efficiency Investment Act

4-Year Program Plan: *Continuing Evergy's commitment to energy efficiency and sustainability*

OVERVIEW

9 core **residential** and **business programs**

$13 million in **income-eligible programs**

$42 million in **residential customer incentives**

$22 million investment in **small businesses and non-profits**

IMPACT

30+ **direct jobs** expected to be created *(and many more indirect)*

Over **$2 in benefits** for each $1 spent

$40 million in anticipated net **bill savings**

39,000 **homes powered with** energy saved annually

45,000+ Equivalent **number of cars** taken off the road annually with reduced emissions

325,693 MWh annual **energy savings**

1. Executive Summary

The benefits of utility demand-side management (DSM) energy efficiency (EE) and demand response (DR) programs have made a significant impact across the nation for decades. American Council for an Energy-Efficient Economy's (ACEEE) State Energy Efficiency Scorecard[1] ranks the state of Kansas EE efforts as 47th out of all 50 states and Washington, DC. This ranking indicates that there is much opportunity to grow in this area to positively impact customers with the combination of understanding the benefits of DSM, choosing to invest in higher energy-efficient equipment and effecting behavioral change to lower their energy bill while also improving their community – from the increase in economic activity to lowering carbon in their communities.

DSM efforts are not new in Kansas. Several Kansas Corporation Commission (KCC) orders beginning in early 2000 began to shape the DSM regulatory landscape in Kansas regarding DSM recovery, programs, budgets, avoided cost and fuel switching. In addition, Evergy has a long history of educating, developing, implementing, and offering DSM to its customers. Prior to the merger with Westar Energy, Inc. (Westar) to form Evergy, Kansas City Power & Light Company (KCP&L) began offering DSM programs in earnest in 2005 in Kansas[2]. At that time, the portfolio of programs established within KCP&L's Comprehensive Energy Plan[3] in Missouri and Kansas represented a significant commitment on the part of Evergy to promote DSM to ensure that all classes of customers had programs in which they could participate. This commitment to DSM by a Kansas or Missouri utility was unprecedented at the time of the 04-1025 S&A and the 0329 S&A. KCP&L remained committed to these programs even after the conclusion of the Comprehensive Energy Plan. Concurrently, Westar, now Evergy Kansas Central, put into place efforts in demand response, financing and energy efficiency education programs during relatively that same time period as KCP&L to deliver customers' desires for DSM.

Following failed DSM filings, both utilities successfully sought legislation under Kansas Energy Efficiency Investment Act (KEEIA)[4], enacted on July 1, 2014. KEEIA states, "It is the goal of the state to promote the implementation of cost-effective demand-side programs in Kansas". Furthermore, the KEEIA requires the KCC to permit electric (and natural gas) public utilities to implement Commission-approved programs and cost recovery mechanisms to reduce the consumption of electricity (or natural gas) by its retail customers, and it provides for utility cost recovery mechanisms, which include, but not limited to, recovery of program costs, lost revenue associated with such programs and utility retention of a portion of the net benefits of such programs[5].

[1] https://www.aceee.org/state-policy/scorecard

[2] DSM programs were agreed upon as a result of the Stipulation and Agreement in Docket No. 04-KCPE-1025-GIE (04-1025 S&A) and in Missouri, Case No. EO-2005-0329 (0329 S&A), both of which established the Comprehensive Energy Plans for the respective states.

[3] The Comprehensive Energy Plan included $53M of DSM program investment, with the Kansas Metro jurisdictional share being approximately $24 million.

[4] Senate House Bill No. 2482

[5] Utility retention of a portion of the net benefits of such programs is also referred to as "earnings opportunity" within this Report.

While the enactment of KEEIA signaled a positive future for Kansans to benefit from energy-efficiency, Westar filed and withdrew a DSM filing[6] developed under KEEIA in 2015 and KCP&L followed in 2016 with a filing[7] that included a broad portfolio of programs under KEEIA. KCP&L, however, opted not to pursue the modified Commission-approved portfolio. A handful of DSM programs in each territory persist from the various filings over the past decade and only program costs are recovered through an EE Rider (EER) specific to each jurisdiction.

Evergy and its Missouri customers have significantly benefited from DSM program offerings for nearly 10 years through the enactment of Missouri Energy Efficiency Act (MEEIA)[8], which is similar to KEEIA. It is with this filing that Evergy is responding to our Kansas customer voices and desire for Evergy to seek approval from the KCC for a portfolio of programs that benefit all customers. In the development of the portfolio, Evergy relied on industry best practices, feedback from a diverse set of Kansas stakeholders, insights from its customers and Evergy's DSM experience in Missouri. Evergy's KEEIA 2023 – 2026 Demand Side Management Portfolio Filing Report (Report) details Evergy's request for approval of a four-year portfolio for DSM programs for its Kansas jurisdictions, Evergy Kansas Metro and Evergy Kansas Central. As demonstrated within this filing, Evergy maintains its commitment to helping customers save energy and money. This proposal includes a diverse and broad set of DSM programs for all customers to participate, but it also includes EE education for its customers, specifically for those hard-to-reach focus[9] areas.

The portfolio includes nine programs that span EE and DR for residential, business and hard-to-reach customers. It also includes a pilots incubator program, which in Missouri was borne a successful low-income program that is revered by Missouri and Kansas stakeholders. This program has been mirrored and proposed in this filing, specifically for Kansas. The proposed portfolio includes EE incentives for the whole and multi-family homes, renters and all business types. It also includes DR programs that are proposed to increase system reliability and to be relied upon year-round, not just during the summer peak months.

The proposed four-year portfolio (2023-2026) includes:

- Average annual budget of $33 million
- Energy savings of over 325 gigawatt-hours (GWh)
- Demand reduction of over 260 megawatts (MW)

Moreover, the proposed portfolio provides for a net present value of customer net bill savings of $40.7 million over the lives of the installed equipment and measures. The proposed portfolio is cost-effective with each jurisdiction resulting in a total cost resource (TRC) cost-effectiveness test of 1.9 or greater and a rate-payer impact measurement (RIM) cost effectiveness test of greater than 0.7[10].

[6] Docket No. 15-WSEE-181-TAR
[7] Docket No. 16-KCPE-446-TAR
[8] https://www.senate.mo.gov/09info/pdf-bill/tat/sb376.pdf
[9] Hard-to-Reach is referred to in this report as low-income or rural residential customers, and small or rural businesses. Sections 4.5 and 5.4 provide further definition of these customer segments.
[10] Docket No. 16-KCPE-446-TAR, Application of KCP&L for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act, page 35.

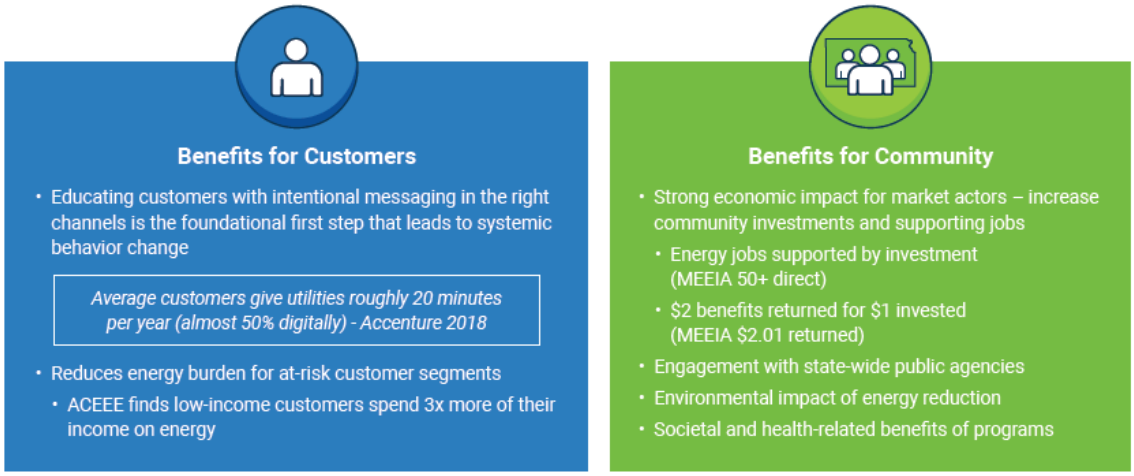
Evergy's proposed portfolio builds on the Company's Sustainability Transformation Plan and its Integrated Resource Plan (IRP)[11] as it is a flexible resource that drives customer costs down. DSM remains the most cost effective and minimal net environmental impact of Evergy's investment options. It reinforces the connection with the Company's IRP and similarities between the jurisdictions, while addressing customer bill and rate impact.

The sub-sections below provide a summary of the benefits of Evergy's proposal, program offers, cost recovery mechanism and customer bill impact. Section 1.6 then addresses the proposed timeline for this filing, in accordance with the KEEIA.

1.1. Benefits to Evergy's Kansas Customers

Evergy has designed its portfolio of programs with a primary goal of providing benefits to Evergy customers and its communities, as outlined in Figure 1.

Figure 1: Benefits of Energy Efficiency



Benefits of energy efficiency expands broader than the benefits contained within Evergy's cost effectiveness evaluation. These benefits include[12]:

- Reduction of emissions to improve health through air quality improvement
- Benefits to society through new business and job creation, avoid costly illnesses and reduction in worker absence
- Boosts economy through lower energy costs, increase in disposable income and new business and job creation
- Reduces demand reduction, which lowers utility operational expense and lowers customer rates/bills

[11] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)
[12] *Information Source: EPA's Part One – The Multiple Benefits of Energy Efficiency and Renewable Energy Document (1-7)*

- Enhances electric system through reduced cost of service and increases system reliability

1.2. KEEIA Purpose and Alignment with Evergy's Strategy

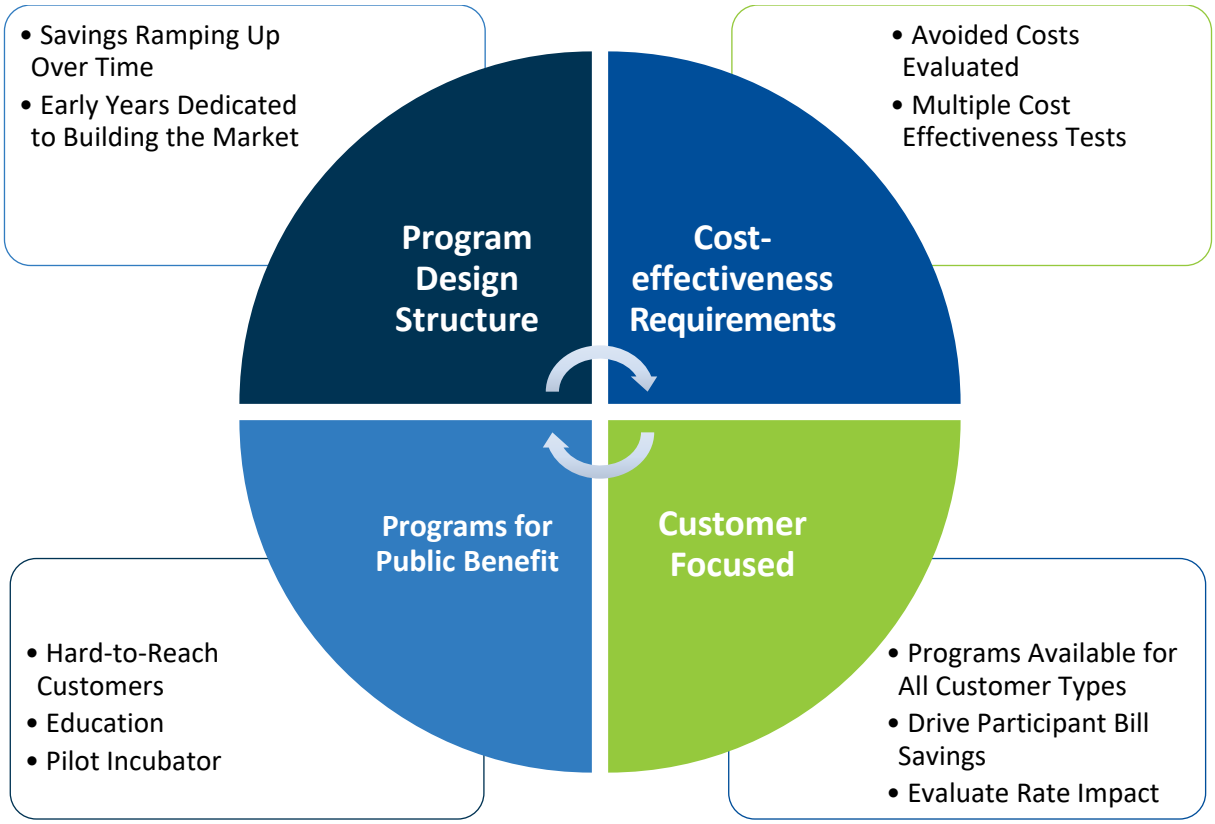
The KEEIA was established to support the state goal of promoting the implementation of cost-effective demand-side programs in Kansas and the state policy to value demand-side program investments equal to traditional investments in supply and delivery infrastructure.

Evergy's strategy to provide and increase customer value in all facets ties directly to this proposed portfolio as provided for under the KEEIA statute. DSM is a least-cost resource, and it provides additional diversity in Evergy's generation resource portfolio to meet customers' energy needs now and in the future. Evergy's preferred plan in its 2021 IRP includes DSM as a component where costs are reduced to customers over the 20-year horizon. Additionally, investing in DSM aligns with Evergy's strategy and its business plan's key objectives, such as increasing communication channels, improving grid resiliency and delivering reduction in carbon emissions.

1.3. Portfolio Development and Program Design

Evergy designed its portfolio to leverage the energy-efficient measures and technologies, best-practice delivery strategies and target markets to cost-effectively deliver programs and measures. In the development of its portfolio, Evergy relied upon the four parameters shown in Figure 2 to design its programs.

Figure 2: KEEIA Program Design Parameters



Program Design Structure

When designing a DSM program, it is important to recognize the need to build the market. This involves engaging with contractors and trade allies, working with key stakeholders and educating customers about the program and how to participate. A robust program structure, designed through gaining feedback from customers, stakeholders and trade allies will help to ramp-up participation and program savings by offering programs that are of interest, necessary and cost-effective.

Cost-Effectiveness Requirements

Evergy has evaluated programs for cost-effectiveness in a holistic manner. Programs are evaluated using the following industry standard tests: Total Resource Cost (TRC), Societal Cost Test (SCT), Utility Cost Test (UCT), Participant Cost Test (PCT) and Rate Impact Measure (RIM). This multi-faceted analysis aligns with previous Commission-stated objectives on cost-effectiveness tests[13].

Customer-Focused Programs

DSM programs should be designed with a strong customer focus to garner significant participation and deliver on the objective of energy and demand reduction. Evergy's proposed

[13] Docket No. 08-GIMX-442-GIV, *General Investigation Regarding Benefit-Cost Analysis and Program Evaluation for Energy Efficiency Programs*

portfolio covers all types of customers and are designed to drive more comprehensive upgrade projects for the participants, which means greater bill savings and comfort. DSM programs can drive a higher level of customer engagement; therefore, programs should be presented to the customer in simple ways and aligned with customer needs, as well as integrated with where and how customers want to interact with Evergy. The KEEIA portfolio offers customers many points of participation entry.

Figure 3 presents a high-level summary of Evergy's 2023–2026 DSM portfolio, which are based on the four design parameters shown in Figure 2.

Figure 3: KEEIA 2023–2026 DSM portfolio

1.4. Portfolio Investment and Bill Impacts

Using the four design parameters described in Section 1.3 and data modeling, Evergy created a portfolio of programs designed to meet the needs of residential and business customers in its Kansas Metro and Kansas Central jurisdictions. This portfolio of programs will be an investment by all customers but also for **the benefit of all customers**. With this in mind, Evergy understands the importance of this DSM investment and Evergy's stewardship that includes transparency of expected costs to achieve the energy and demand reductions. Evergy is committed to managing this portfolio with minimal bill impact and maximum positive environmental impact for customers and communities Evergy serves.

Evergy's KEEIA 2023-2026 DSM portfolio budget by cost category is shown in Figure 4. These budgets include incentives, administration, evaluation and education and marketing. Program budgets for Kansas Central and Kansas Metro jurisdictions are provided in Table 1 and Table 2, respectively.

Figure 4: 2023 – 2026 Forecasted Cost by Category (Central and Metro combined)

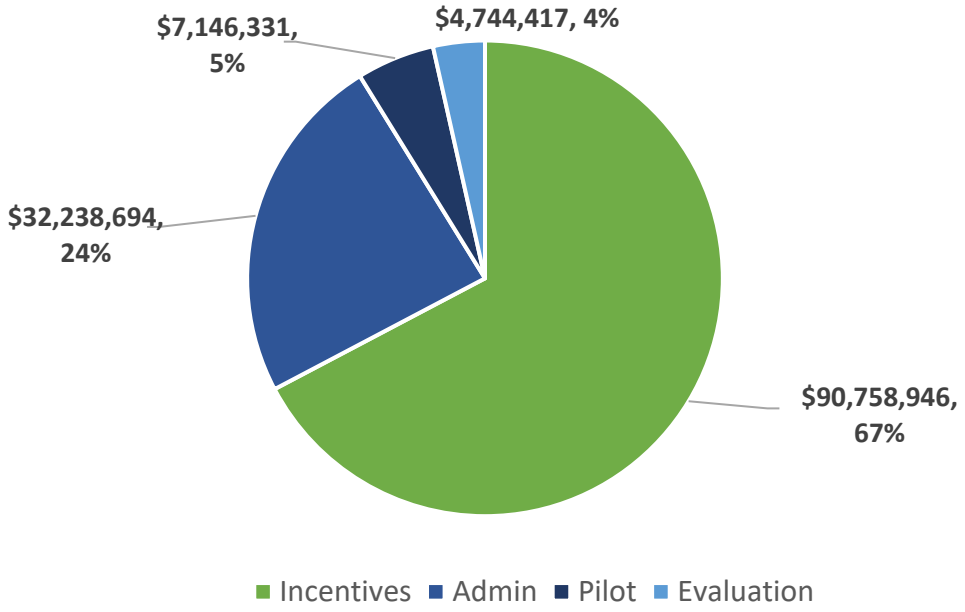


Table 1: Kansas Central - Program Budget

Cost Category	Residential Programs	Business Programs	Total Portfolio
Incentives	$31,401,535	$36,230,189	$67,631,724
Delivery	$4,842,432	$16,662,780	$21,505,212
Administration	$629,527	$2,157,368	$2,786,895
Evaluation, Measurement and Verification (EM&V)	$823,452	$2,752,728	$3,576,180
Pilot	n/a	n/a	$5,451,966
Total	$37,696,946	$57,803,064	$100,951,977

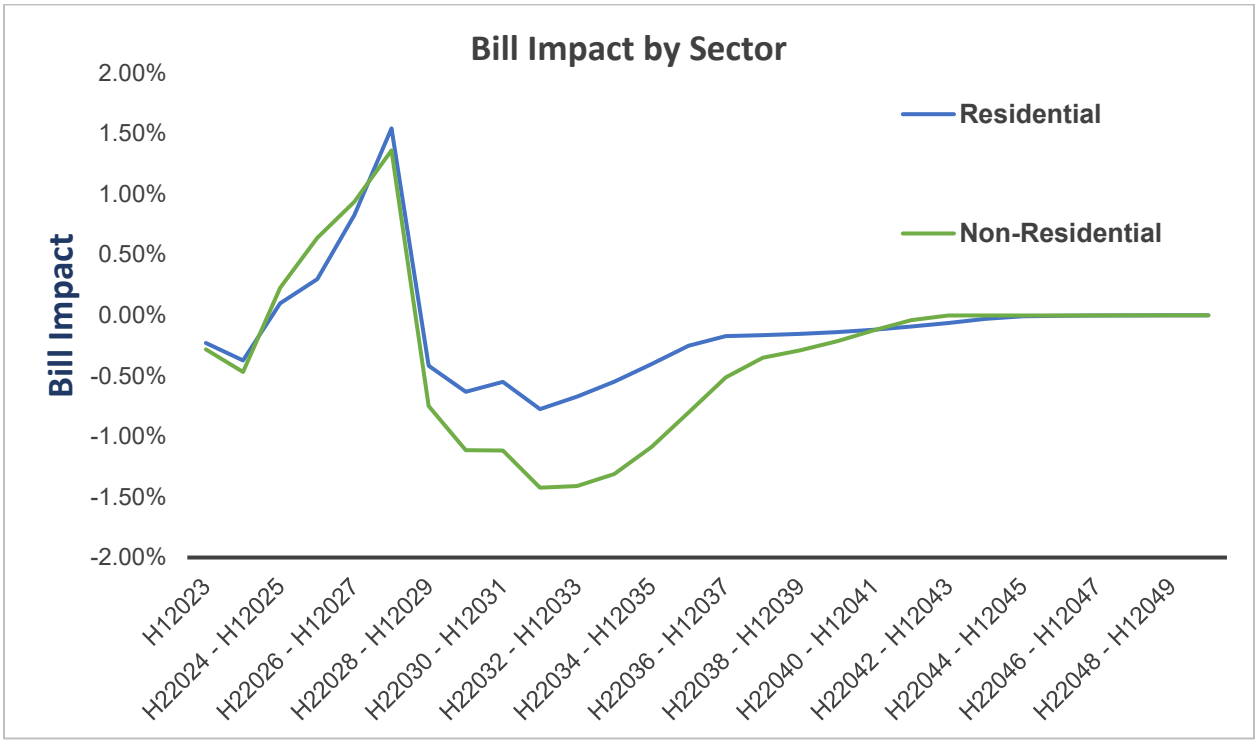
Table 2: Kansas Metro - Program Budget

Cost Category	Residential Programs	Business Programs	Total Portfolio
Incentives	$11,919,873	$11,207,349	$23,127,222
Delivery	$1,858,658	$5,176,426	$7,035,084
Administration	$241,758	$669,745	$911,504
Evaluation, Measurement and Verification (EM&V)	$317,212	$851,025	$1,168,237
Pilot	n/a	n/a	$1,694,365
Total	$14,337,501	$17,904,545	$33,936,411

Bill Impacts

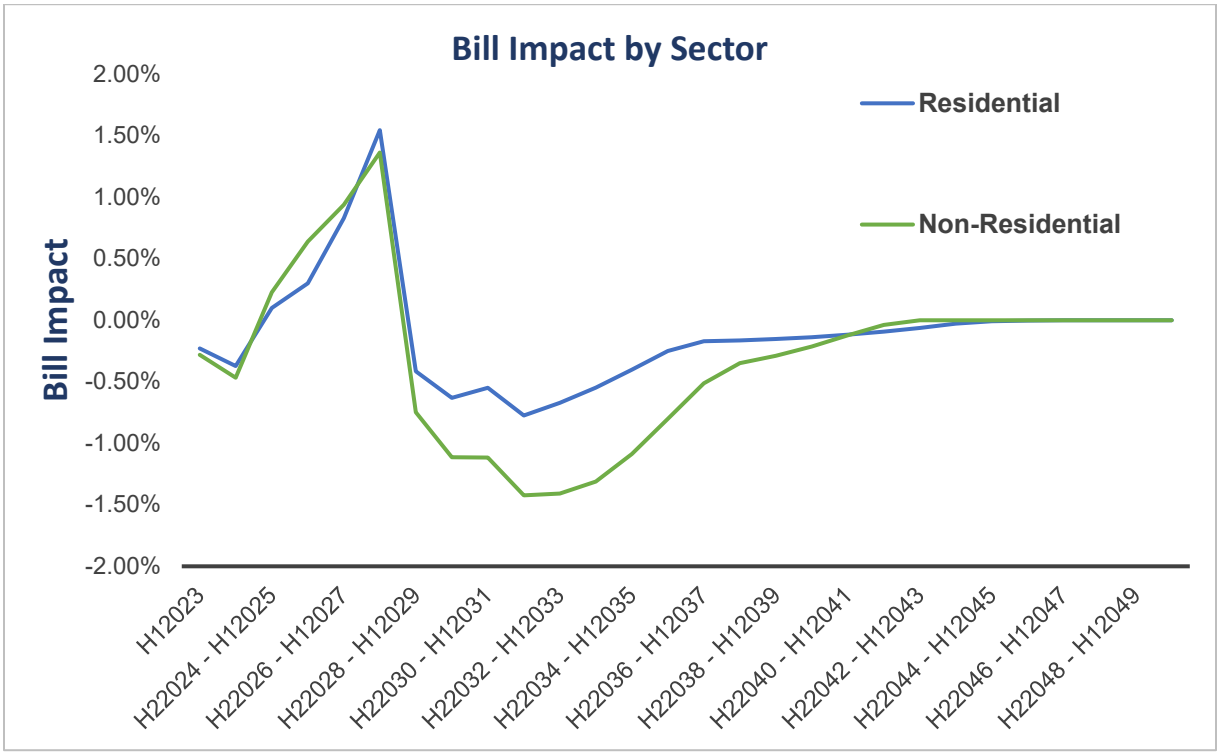
Financial recovery of the DSM investment is proposed to occur through an update to the Energy Efficiency Rider (EER or Rider). The Rider will provide for the recovery of program costs, lost margin and earnings opportunity (EO) of the proposed programs. Figure 5 and Figure 6 shows the impacts of the proposed DSM portfolio investment on residential and business customer bills over the life of the investment as compared to no DSM portfolio investment for Kansas Central and Kansas Metro jurisdictions.

Figure 5: Kansas Central - Customer Bill Impact by Sector[14]



[14] The "H" shown in the X-Axis refers to "half" since the EER updates are proposed in July.

Figure 6 – Kansas Metro – Customer Bill Impact by Sector[15]



Evergy designed its DSM programs with the goal of mitigating customer bill impact, as further supported by the Commission in Case No.12-GIMX-337-GIV[16] For Kansas Central customers, the net bill effect of the proposed DSM portfolio investment is a reduction of $26.8 million NPV[17] over the life of the investment. Similarly, for Kansas Metro customers, the net bill effect of the proposed DSM portfolio investment is a reduction of $13.9 million NPV over the life of the investment.

The trend in Figure 5 and Figure 6 is influenced by the interaction between lifetime energy (kWh) savings of the efficient equipment, retail electric rates and estimated rider recovery applicable in each year. Overall, the impact to customer bills can be viewed in three periods. First, in the pre-cost recovery period (January 1, 2023 through mid-2024), the customer energy savings lend to a negative bill impact. Second, during the cost recovery period (mid-2024 to mid-2028), bills are positively impacted, on average. Third, once the post-cost recovery period begins in 2028, customers reap the continued energy savings for the investment and realize reduced bills for many years.

[15] Ibid.
[16] Docket No 12-GIMX-337-GIV, *In the Matter of the General Investigation of Energy-Efficiency Policies for Utility Sponsored Energy-Efficiency Programs.*
[17] Net Present Value at Company's weighted average cost of capital

Additionally, managing customer rate impact over the recovery period is important to help customers adjust to the investment and balance the bill impact. Customers will expect to see rate impacts that will be less than $0.00406 per kWh for residential and $0.00289 per kWh for business in both jurisdictions. This equates to an average rate change of 1.35% and 1.39% for residential and business customers, respectively, for this investment over the cost recovery period. Therefore, even while customers are seeing an additional rate increase during the cost recovery period, the overall impact of the DSM portfolio investment is a net bill reduction for both the residential and business customer classes.

1.5. Financial Recovery Method[18]

Evergy proposes modification of the EER structures for both jurisdictions, which is consistent with the KEEIA statute. Below is the language within the statute regarding allowable cost recovery mechanisms:

> *To comply with this section, the Commission may allow cost recovery mechanisms that further encourage investments in demand-side programs. Such cost recovery mechanisms may include, but shall not be limited to: (A) Capitalization of investments in and expenditures for demand-side programs; (B) recovery of lost revenue associated with demand-side programs; (C) decoupling; (D) rate design modifications; (E) accelerated depreciation on demand-side investments; and (F) allowing the public utility to retain a portion of the net benefits of a demand-side program for its shareholders.*

Proposed changes to the EER includes timely recovery of three financial components: Program Costs, Throughput Disincentive (TD), and Earnings Opportunity (EO) award[19]. Evergy is requesting approval of an update of the EER to begin collecting actual program costs and TD, which are measured and directly attributable to the DSM programs proposed in this filing. The EER will be updated annually following each program year and will include an additional reconciliation of prior periods' program costs and TD recoveries with carrying costs on any under- or over-recovery. The EO is proposed to be recovered over a 12-month period following final determination based on EM&V review in the year following each program period. Should any additional DSM programs and tariffs be filed under the KEEIA requirements for the program period, those would follow the above structure as well.

Evergy also proposes to include the recovery of unrecovered existing EER costs from periods prior to the effective date of this filing be recovered in the modified EER.

1.6. Timeline

KEEIA provides for a 180-day timeline for utility portfolio applications, which the Commission can expand to 240-days upon a showing of good cause. In order to facilitate the effective date of January 2023, Evergy proposes a 240-day procedural schedule to accommodate the Commission staff and other stakeholders for full review of the filing. The proposed procedural schedule will be filed in motion forthcoming in the near future.

[18] Refer to Appendix E

[19] More details on how each of three financial components are defined and calculated are provided in Section 7.

Evergy proposes a portfolio of programs to be effective January 1, 2023, through December 31, 2026. Such that Evergy can prepare for a successful launch on January 1, 2022, program set-up, educational outreach and marketing costs that will be expended in 2022 are proposed to be applied to 2023 expense recovery. In addition, some programs that have long-lead time for application completion, such as business measure applications, and that may extend past December 31, 2026, will follow a long-lead process defined herein. Long-lead measures and customer applications are addressed in Sections 4 and 5.

2. Stakeholder Engagement and Customer Insights

Customer-focused DSM programs are a key component of this filing and to ensure a successful DSM portfolio. Evergy leveraged insights many stakeholders and customer research. At a minimum, insights included review of the results from the Wichita State University (WSU) focus group, Evergy customer research and stakeholder interviews and workshops. This section provides additional detail on how stakeholder engagement and customer insights helped to shape the proposed portfolio.

2.1. Stakeholder Engagement

Evergy engaged a widespread and diverse set of stakeholders throughout the DSM portfolio development process to ensure understanding of state policy objectives and constituent needs. Evergy's proposed DSM plan integrates stakeholder feedback, with the portfolio reflecting feedback on the importance of program offering designed specifically for low-income (or income-eligible) and rural customers. Evergy's Residential Hard-to-Reach Program and robust education plan incorporates this feedback.

Evergy held three stakeholder workshops from June through August 2021. Evergy invited stakeholders representing state agencies, environmental organizations, low-income customer advocates, large energy consumer advocates, natural gas utilities and affordable housing advocates, among others. Through multiple individual interactions and three larger group meetings from June through August 2021, Evergy engaged this broad range of stakeholders to solicit feedback and address questions on the program planning process and resulting program plans.

Evergy considered stakeholder input in the development of this plan; specifically, their interest and desire to: make a connection with Evergy's overall resource plans; understand how DSM will be perceived by and integrated with customer needs - with customer education being a primary focus area, along with serving communities and income eligible households.

KEEIA DSM portfolio stakeholders included those listed in Table 3.

Table 3: DSM Portfolio Stakeholders

DSM Portfolio Stakeholders	
Atmos Energy	Kansas Housing Resource Center
Black Hills	Kansas Industrial Consumers (KIC)
Climate Action KC	Midwest Energy Efficiency Alliance (MEEA)
Climate Energy Project (CEP)	National Housing Trust
Citizens' Utility Ratepayer Board (CURB)	Natural Resources Defense Council (NRDC)
Kansas Corporation Commission (KCC) Staff	Sierra Club
Kansas Gas	

During these workshops Evergy presented and orchestrated a discussion around a myriad of topics including:

- Rationale for Evergy's DSM plan
- Importance of implementing DSM
- Overview of the planning process
- Draft program structures
- Resulting cost-effectiveness screening results
- Cost recovery
- Customer engagement strategies
- Insights gleaned from Evergy's customer-focused research.

The workshops also provided an opportunity for stakeholders to share questions, concerns and provide inputs to program designs and target market considerations.

In addition to the three stakeholder workshops, Evergy engaged with Kansas community partners and low-income advocates on August 18, 2021. This meeting with advocates and Kansas community partners was attended by 16 organizations (Table 4). The number of attendees and questions demonstrated a high level of interest for low-income advocacy of DSM programs with Evergy.

Table 4 – Community Partners and Advocates

Evergy KS Community Partners and Advocates	
Black Hills	Kansas Housing & KS Weatherization Assistance Program
Catholic Charities	Midwest Energy Efficiency Alliance (MEEA)
Citizens' Utility Ratepayer Board (CURB)	Mid-Kansas Community Action Program
Climate Energy Project (CEP)	National Housing Trust
Doorstep, Inc.	NEK-CAP, Inc.
First Call for Help, Hutchinson, KS	Sierra Club Kansas
Johnson County Aging & Human Services Olathe Outreach	Sterling Strategies
Kansas Corporation Commission (KCC) Staff	The Salvation Army, Manhattan & Emporia, KS
Kansas Gas Service (KGS)	

2.2. Customer Insights

Evergy recognizes that customer focused programs are a key component for a successful filing and approved DSM portfolio. Leveraging an internal team dedicated to gathering customer insights on DSM through primary data collection was an imperative design strategy, along with utilizing secondary data resources.

Primary data insights are collected through appliance saturation studies[20] that are used for load forecasting, the IRP, as well as specific Evergy customer research, which is further described below. Secondary data is collected through industry resources, such as ESource and American Council for an Energy Efficient Economy (ACEEE). Insights include areas such as customers' equipment information, energy usage, attitudes toward energy and importance of reducing energy use and costs, along with other customer characteristics. This culmination of data informed program designs and targets and provided guidance on target market size, savings

[20] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)

potential and market needs. It also highlighted the need of educating the market, including customers and contractors and trade allies.

In addition to gathering stakeholder feedback as described in Section 2.1, Evergy reviewed and integrated customer insights gleaned from the focus group research enlisted by the KCC Energy Division and Utilities Division (Staff) conducted by WSU. The results of this research, as identified by KCC Staff, emphasized the importance of energy education to customers and the need to prioritize low-income (income-eligible) energy efficiency programs. The survey conducted by WSU also identified strong messages that emerged about what customers desired from their utility. For example, feedback included: "The Evergy participants desired a stronger involvement from the utility provider. Their expectation was for the utility to offer, administer, and communicate energy efficiency programs."[21] This filing supports this desire from Evergy customers.

To further explore its Kansas customers perspectives around DSM opportunities, Evergy conducted a residential customer quantitative (large sample) survey in July 2021. The survey focused on customer energy efficiency awareness and preferences, as well as insights into the costs and value proposition of utility programs. Appendix G includes a full summary report of the qualitative survey. A representative sample of 550+ Evergy residential customers provided insights on over 25 questions about these topics.

Key findings included:

- Strong support is seen for **expanding energy efficiency programs** currently available in Missouri to customers in Kansas (95%).
    - 79% of customers are **willing to pay a fee** - 6% would pay $10 per month, with the highest percentage preferring $5.00-$5.99/month.
- The benefit of **"a lower cost to me" dominated** all other motivations to reduce use, especially among the lower income groups.
    - Most reported practicing "no-cost" methods to reduce usage; mainly turning off lights, using shades or blinds, or using ceiling or floor fans.
    - There was a lag of energy efficiency in homes among renters, younger, multi-family, or low-income customer participation
- If Evergy offered a program to assist in the cost of upgrades, 75% of customers would be **somewhat more, or much more, likely to make upgrades**.
- After reading a brief description of the Pay As You Save (PAYS)[22] program, 69% of customers reported an **interest in participating in an on-bill financing** option.
- When asked if low income or underserved customers should receive extra benefits, 83% of customers said **low income or underserved customers should receive extra benefits** or offers from Evergy programs.

Understanding that Evergy customers were supportive of expanding EE programs and understand the value proposition of EE reinforced Evergy's approach to its portfolio development.

[21] *Residential attitudes toward utility sponsored energy efficiency programs in Kansas*; Jarman, Parcell, Wichita State University (2020), pg 15

[22] On-bill financing program

3. Portfolio Development and Program Design

Evergy uses a systematic and comprehensive approach to its portfolio development, program design and modeling of measures, costs and impacts.

Utility DSM programs integrate interventions to overcome barriers to adoption of EE practices and upgrades. Through interventions such as financial incentives, financing, education and training, direct install and load control, DSM programs can address barriers such as:

- Lack of or incomplete understanding of the benefits of DSM
- Low visibility to the financial impact of energy consumption during costly peak periods
- Split incentive for the beneficiary versus the person paying (most commonly present with multi-family rental units and leased commercial buildings)
- Financial constraints, which is particularly relevant for traditionally underserved groups such as low-income, renters and small commercial customers
- Need for financing options when capital investments hold higher out-of-pocket costs.

To meet customers' unique needs and overcome the various barriers, Evergy's proposed portfolio integrates a variety of program design elements, including:

- Customer outreach and targeted marketing educating customers about the benefits of DSM
- Proactive customer engagement, which includes a high level of concierge type services, specifically for customers that may face split incentive challenges
- Incentives to reduce up-front costs – depending on the measure this may include upstream to retailers, midstream to market actors such as contractors and downstream to customers
- Direct installation of easy to install measures to ensure proper installation and instant savings
- Education to influence behavior, increase DSM awareness and adoption and encourage longer-term market effects
- Energy assessments to serve as a vehicle to inform customers of their building needs and encourage high-efficiency installations
- Financing to encourage higher efficiency/higher-cost installations
- Long-lead process to provide assurance of rebates [23]

[23] Long-lead process is defined as transition time at the end of the KEEIA DSM 2023-2026 plan that will provide customers, contractors, trade allies and market actors with continuity between DSM cycles for projects that require pre-approval and with lead times greater than 90 days. Evergy will provide a written commitment letter of incentives for eligible long-lead projects. Projects with estimated completion dates not longer than one year following current cycle completion; however up to approved threshold cap within the approved KEEIA cycle budget. Payments to customers will be made upon completion, and any projects that fail to complete within this specified timeframe will be ineligible.

Evergy will also leverage contractors and trade allies, also referred to as market actors, to serve as “sales” partners for the programs. Contractors and trade allies have direct access to customers and in that role are influential with mutual customers’ decisions. Additionally, economic activity associated with DSM is a resulting benefit to impacted businesses such as HVAC and lighting contractors. A “contractor” can quickly evolve to an Evergy “trade ally” given the economic benefit to their company by partnering with Evergy and promoting its DSM programs. For example, two local trade allies who support customers in Kansas and Missouri share:

“The Evergy incentives that we are able to offer in Missouri help alleviate some of the cost concerns our customers have when wanting to purchase higher-end, more efficient equipment. These rebates provide even more value to the customer and Kansas customers are continually disappointed they don't get the same opportunity as our Missouri customers. Any additional rebates offered to customers will help them justify being able to spend more.” – *Residential Trade Ally – Anthony Plumbing, Heating & Cooling*

“We are a Kansas incorporated small business. We have been hiring staff in other states to keep up with our work in those states; however, we have not hired anyone in Kansas because we cannot generate the same demand for energy efficiency upgrades.” – *Commercial Trade Ally - ROI Energy, LLC*

The proposed portfolio design includes targeted education, proactive outreach and information sharing with these important market actors for the success of Evergy’s portfolio.

3.1. Measure, Program and Portfolio Analysis

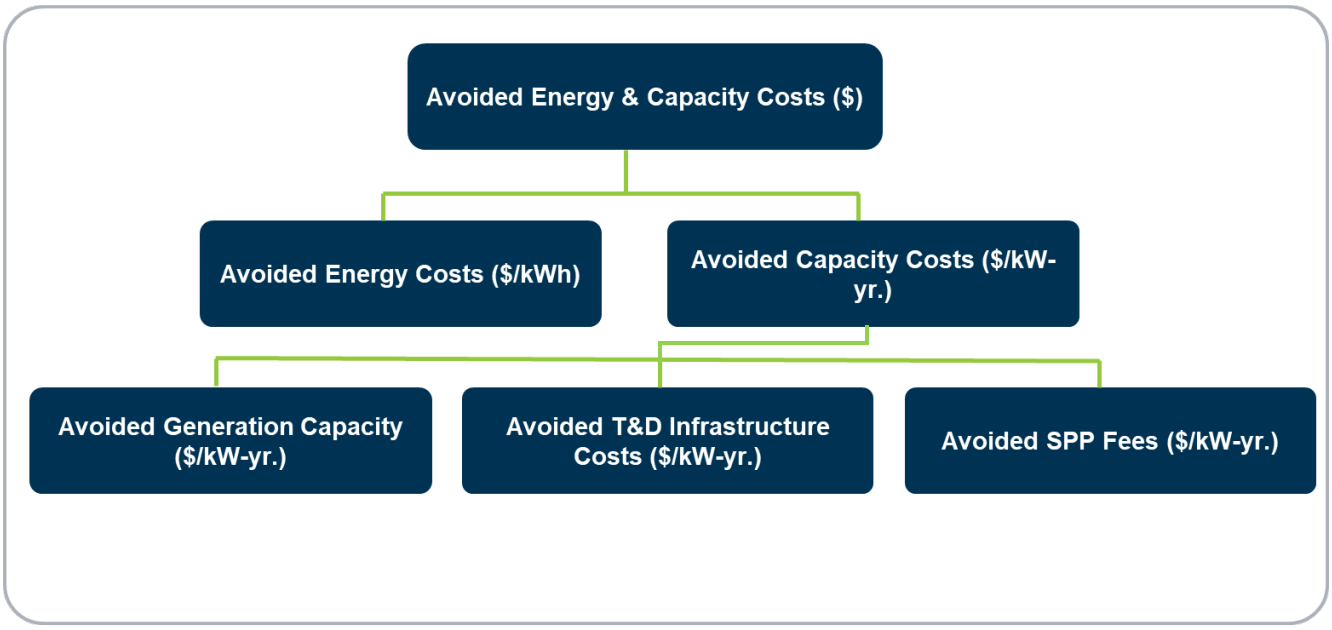
Evergy uses a bottoms-up systematic approach to its portfolio design. The key to the program development process is identifying benefits for customers and the community, while seeking and incorporating feedback from stakeholders and interested parties. Figure 7 illustrates the high-level portfolio design process.

Figure 7: High-level Portfolio Design Process

3.1.1. Avoided Costs Methodology in Program Analysis

In the development of any DSM portfolio, avoided costs are a key input into the calculation of program benefits and ultimately in the benefit cost analysis (cost effectiveness) in the California Standard Practice Manual tests. Avoided costs can be broken down into multiple components to help determine the value or benefit of a kW or kWh saved. A higher-level breakout of avoided costs is splitting the value into avoided energy costs (expressed in $/kWh) and avoided capacity costs (usually expressed in $/kW-yr). Avoided capacity costs can be broken down into avoided generation capacity, transmission and distribution infrastructure and Southwest Power Pool (SPP) fees. Figure 8 represents the avoided cost hierarchy.

Figure 8. Avoided Costs Hierarchy



Within prior utility regulatory proceedings in Kansas, the avoided costs values have been debated by stakeholders and the KCC has provided views on avoided cost and how it should be treated within a DSM filing. Since these proceedings much as occurred. Evergy was formed by the merger of Westar and KCP&L; EE technologies have changed; and expectations of future energy needs and resource types have changed considerably. Considering this background and Evergy's generation needs, further explanation of the avoided capacity cost methodology and approach for this KEEIA filing is warranted.

For the purposes of this filing, Evergy utilized the following methodology for attributing avoided costs to the various components.

Avoided energy costs ($/kWh)

Description of methodology: Evergy utilized forward energy price forecast by hour over the next 20 years based on the price forecast from Evergy's 2021 IRP[24]. This price forecast is an expected value across 18 different endpoints and factors in a range of forecasts for natural gas and carbon prices.

Rationale for approach: This approach has been utilized by other utilities and is consistent with how the energy value of DSM programs are assessed through the IRP. This approach uses a forecasted expected value across several disparate future scenarios rather than simply relying on historical or current prices. It also incorporates a range of potential future scenarios into the assessment of avoided energy cost as opposed to relying only on the current environment or recent history, which may not be representative of what can be reasonably expected to occur in the future.

[24] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)

Avoided generation capacity costs ($/kW-yr)

Description of methodology: Evergy developed Evergy Kansas Central and Evergy Metro specific models of expected costs to meet additional capacity needs in the 20-year horizon. Evergy factors in short term "market" capacity costs and the cost of building new generation (commonly referred to as cost-of-new-entry or CONE), depending on resource plans and load forecasts which are consistent with Evergy's 2021 IRP[25].

Similar to the use of scenario analysis and expected values in the IRP, the avoided generation capacity cost is also based on an expected capacity cost each year across six different scenarios. These scenarios are based on two different plant retirement plans and three different load forecasts which are all consistent with the latest IRP.

Plant Retirements. Each portfolio received 50 percent probability and was used to calculate Evergy's capacity balance in each year.

- *Preferred Portfolio (with modifications based on ongoing Predetermination[26] Docket)*: Plant retirement schedule identified in Evergy's 2021 IRP[27].
- *Accelerated Retirements*: Plan modeled in 2021 IRP, which included more accelerated plant retirements and was among the most cost-effective plans modeled.

Load. Low, Mid and High (Electrification) forecasts were used which are consistent with Evergy's 2021 IRP. The probabilities assigned to these forecasts were also consistent with the IRP at 35%, 50% and 15%, respectively.

In each of the six scenarios, if Evergy is "short" capacity in a given year (accredited capacity is less than capacity requirement – including reserve margin), the value of capacity is set at CONE, which is the levelized cost of a new natural gas-fired combustion turbine (CT). If Evergy is "long", the value of capacity is set at the current market rate of capacity. A weighted average value is then calculated across the six scenarios to create an expected value for the cost of capacity.

Figures 9 and 10 below present Kansas Central and Kansas Metro generation capacity costs, respectively, determined from the methodology described above and utilized in this filing.

[25] Ibid.

[26] Docket No. 22-EKCE-141-PRE, Determination of the Ratemaking Principles and Treatment that will Apply to the Recovery in Rates of the Cost to be Incurred for Certain Electric Generation Facilities Under K.S.A. 66-1239

[27] Docket No. 19-KCPE-096-CPL, Annual Update to Evergy's Integrated Resource Plan (updated June 2, 2021)

Figure 9: Kansas Central - Avoided Generation Capacity Cost Expected Value, $/kW-year

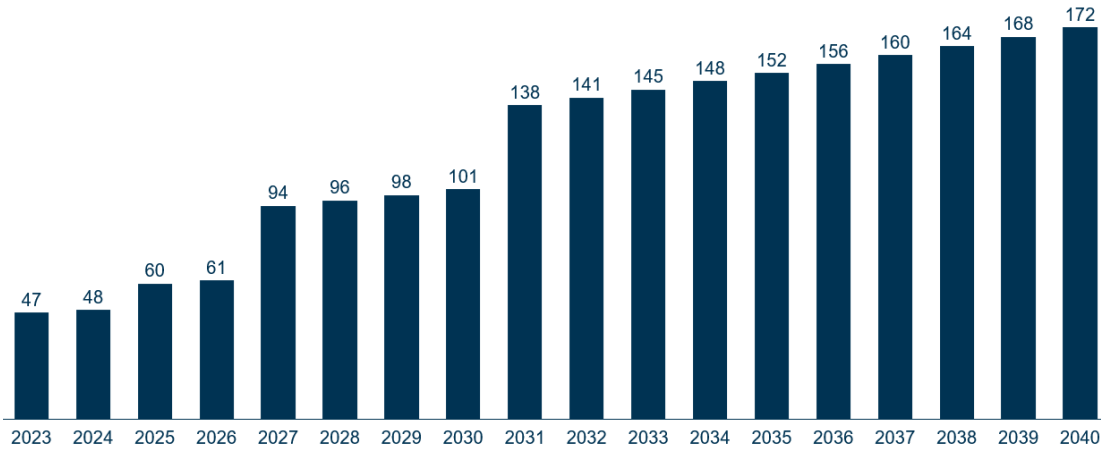
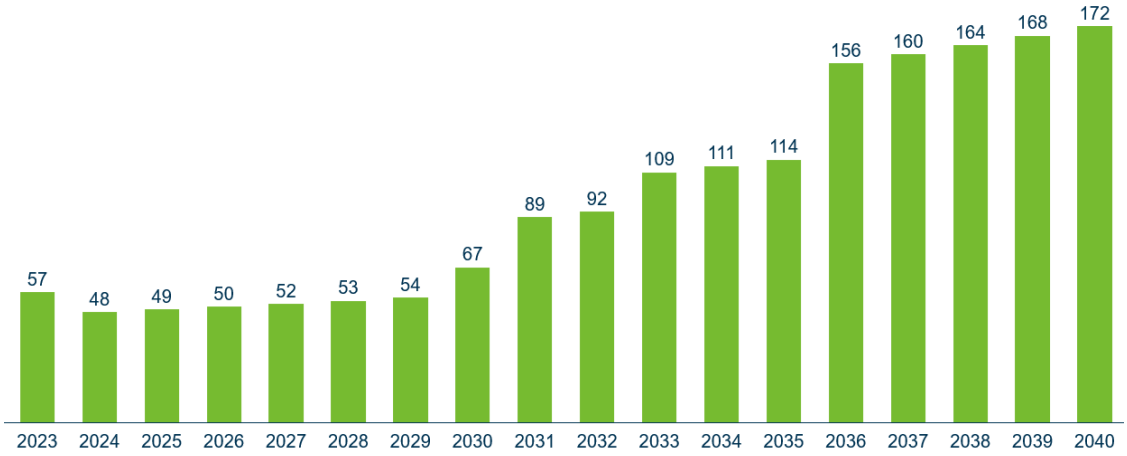


Figure 10: Kansas Metro - Avoided Generation Capacity Cost Expected Value, $/kW-year



Rationale for approach: Utilizing a mix of market-based capacity costs and CONE is a common method of valuing generation capacity. This approach factors in the availability of short-term capacity purchases at a lower cost, but also recognizes that longer-term capacity needs that would eventually require new generation be built, absent offsets from programs like DSM. Using a CT as the CONE assumption is also a common practice, which recognizes that CTs are typically the lowest-cost traditional capacity resources (on a $/kW basis) and also do not typically have the complexities around accreditation which renewable capacity would have (for example, CTs are assumed to be accredited approximately at nameplate capacity). The rationale for the selected scenarios and probability weightings is described below.

Plant Retirements. New resource additions modeled in the IRP were not included in this calculation (beyond currently contracted resources and the resource addition included in

Evergy's predetermination docket[28]). This exclusion allows supply- and demand-side resources to be compared on an equivalent basis in the IRP. If supply-side resource additions were included in calculating the value of demand-side resources, this would unfairly reduce the calculated benefit of demand-side resources in the screening / portfolio development process versus allowing these resources to realize the same level of value which supply-side resources provide in the IRP.

Given the significant uncertainty around both policy and technology which could both drive an accelerated move toward non-emitting resources, the two plans are weighted equally for the purposes of valuing DSM.

Load. Three load forecast scenarios (and accompanying probabilities) were selected to be consistent with Evergy's 2021 IRP.

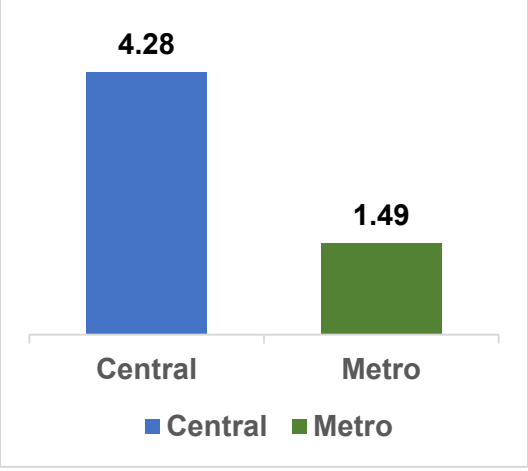
Avoided transmission and distribution infrastructure costs ($/kW-yr)

Description of methodology: Evergy utilized its current planning load forecasts and long-term load growth-related capital forecast to calculate an "incremental" and "system-wide" avoided cost. These costs are for both transmission and distribution (T&D) infrastructure given the interrelated nature of T&D costs needed to serve growing load.

- *Incremental:* Uses forecasted load growth-related capacity spend 2022-2030 ($), fixed charge rate of 8% and 2021-2030 load growth (MW) to calculate an avoided cost of incremental MW.
- *System-Wide:* Uses forecasted load growth-related capacity spend 2022-2030 ($), fixed charge rate of 8% and 2022-2030 average total load (by jurisdiction) to calculate avoided cost across overall system MW.

Figure 11 below presents Kansas Central and Kansas Metro T&D infrastructure costs, determined from the methodology described above and utilized in this filing.

Figure 11: System-Wide Avoided T&D Infrastructure Costs $/kW-year; 2021 $



[28] Docket No. 22-EKCE-141-PRE, Determination of the Ratemaking Principles and Treatment that will Apply to the Recovery in Rates of the Cost to be Incurred for Certain Electric Generation Facilities Under K.S.A. 66-1239

Rationale for approach: Given the need for system planners to avoid overloads on infrastructure and maintain system reliability, there is large variation in the value provided by DSM programs based on their ability to "target the incremental MW" and their "controllability". For that reason, two very different values are calculated for avoided T&D cost which should be applied based on how well a DSM program can be targeted and controlled. As an example, managed charging for new electric vehicles is a program which can be both *targeted* and *controlled* – because it would be applied to new load additions in a managed way. Based on this, it should receive the higher "incremental" avoided cost identified above. Residential DR, on the other hand, should receive the lower "system-wide" value identified above because it has not historically been targeted to ensure it is offsetting an incremental MW and is also not directly controllable. Therefore, it cannot be guaranteed to offset a potential overload.

Avoided SPP fees ($/kW-yr)

Description of methodology: Evergy utilized calculations of reduction of SPP transmission related fees associated with peak and energy reduction plus an estimate value of system-wide T&D avoided infrastructure capacity as a result of reduction in demand across Evergy.

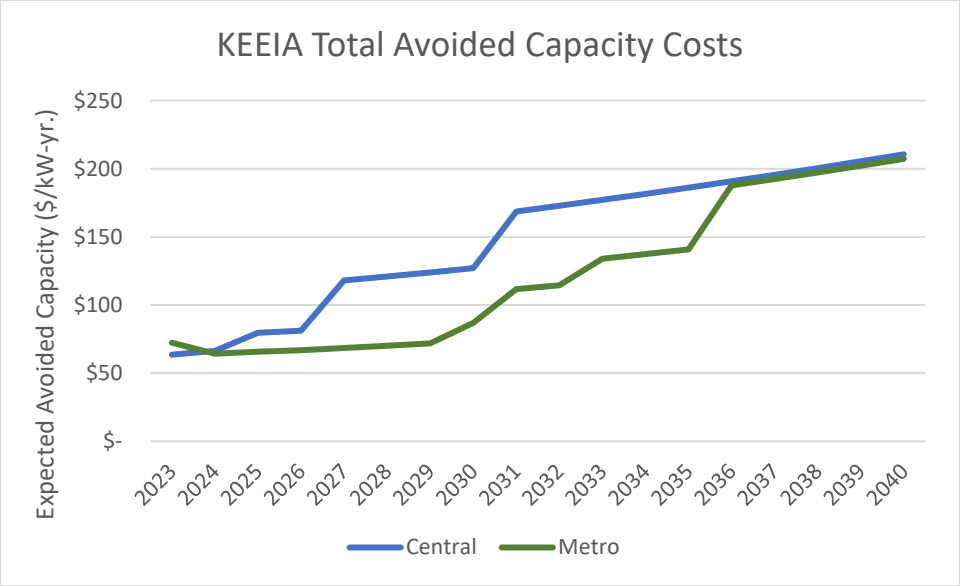
Rationale for approach: Regarding SPP's transmission-related fees, there are three expense types (SPP refers to them as schedules) that are impacted by reductions in peak MW and energy MWh reductions to load.

- Schedule 1-A is used to recover SPP's costs associated with administering the Integrated Marketplace (IM) and is based on the average of the 12 monthly peaks from the previous year.
- Schedule 11 facilitates the sharing of costs for transmission projects throughout the SPP region and uses a market participant's (MP) load ratio share, a measure of an MP's average monthly peak for the year divided by the average SPP system-wide monthly peak for the year, to allocate costs.
- Schedule 12 is used to recover FERC administrative costs, a pass-through from SPP to MP's and is calculated using an MP's annual MWh of energy for load.

The fees associated with these three SPP schedules will be reduced and can be calculated with reductions in MWs and MWhs resulting from implementation of the proposed KEEIA programs.

Figure 12 presents Kansas Central and Kansas Metro total avoided capacity costs used in this filing by summing generation capacity costs and T&D infrastructure costs as described above.

Figure 12 - Total Avoided Capacity Costs (KS Central and KS Metro)



3.1.2. Portfolio Development

Evergy developed the proposed portfolio by extensive and iterative balancing of many elements including costs, forecasted energy savings and programs that appeal to all Kansas customers, such that the portfolio also aligns with Evergy's 2021 IRP. The IRP considers demand-side energy savings from DSM programs as but one component of Evergy's goal to cost-effectively meet the energy needs of Kansas customers for the period 2023-2042.

The proposed portfolio includes nine programs: Whole Efficiency programs, Hard-to-Reach programs, DR programs, and Education for residential and business customers. A Pilots Incubator is also proposed, which will be used to develop innovations for new or existing concepts that may serve either residential or business customers. Figure 13 below summarizes the key components of the proposed portfolio.

Figure 13: KEEIA 2023- 2026 DSM Proposed Portfolio

4. Residential Portfolio

Evergy's portfolio is designed to engage all customers, while focusing on the most vulnerable customers by offering higher value rebates and/or free services. These programs are designed with the ultimate goal of transforming the market for energy efficiency in Kansas, providing high quality education and outreach and creating economic growth for Kansas businesses.

4.1. Overview

Evergy's residential portfolio level savings, budget and cost-effectiveness for each jurisdiction are provided below in Tables 6-8, respectively. The residential portfolio is comprised of broad scale programs and public benefit programs, which includes hard-to-reach and education. These programs are defined below.

Broad Scale Programs:

The **Whole Home Efficiency Program** will provide a wide range of EE opportunities for customers to reduce their energy usage and increase home comfort.

The **Home Demand Response Program** is designed to offer customer's incentives to for supporting and improving Evergy load shapes during peak demand periods.

Both broad scale programs have been designed to meet cost-effectiveness goals and will provide significant savings, while allowing participation for all of customers. All programs exceed TRC of 1.0 and a RIM of 0.7.[29]

Public Benefit Programs:

The **Hard-to-Reach Homes Program** is targeted to income-eligible and rural customers. In order to drive participation in these demographics, Evergy proposes to deliver a deeper level of support, which includes no-cost direct installs, personalized home energy assessments and enhanced incentives and rebates. These offers will be presented in a comprehensive way to deliver maximum customer value.

The **Home Energy Education Program** is designed to drive improved customer energy use behaviors and increased customer awareness around no- or low-cost ways to save energy. Evergy proposes to include broad customer education around measures in homes that impact costs, as well as serve as a pathway to direct customers to other Evergy programs that may be within and outside of KEEIA to assist the customer, depending on the customer's specific need.

[29] Docket No. 16-KCPE-446-TAR, Application of KCP&L for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act, page 35.

As defined in the KEEIA statute, cost effectiveness is not required for Public Benefit programs.[30]

Table 5: Total Residential Portfolio Savings for Kansas Central and Metro

Total Residential Portfolio Savings for Kansas Central										
Net MWh Savings						Net MW Savings				
PY1	PY2	PY3	PY4	Total		PY1	PY2	PY3	PY4	Total
15,542	24,745	32,235	36,293	108,815		36.7	41.9	56.7	74.2	209.5
Total Residential Portfolio Savings for Kansas Metro										
Net MWh Savings						Net MW Savings				
PY1	PY2	PY3	PY4	Total		PY1	PY2	PY3	PY4	Total
6,132	10,005	12,807	14,538	43,482		13.9	15.8	21.3	28.0	79.0

Table 6: Total Residential Portfolio Budget ($ 000s) for Kansas Central and Metro

Budget ($ 000s)	Total Residential Portfolio Budget for Kansas Central				
Cost Category	**PY1**	**PY2**	**PY3**	**PY4**	**Total**
Incentives	$5,147.5	$6,456.2	$8,778.7	$11,019.1	$31,401.5
Delivery	$850.3	$1,114.9	$1,355.6	$1,521.7	$4,842.4
Administration	$110.9	$145.0	$176.1	$197.5	$629.5
Evaluation	$147.8	$190.4	$229.2	$256.0	$823.5
Total	$6,256.5	$7,906.5	$10,539.6	$12,994.3	$37,696.9
Budget ($ 000s)	**Total Residential Portfolio Budget for Kansas Metro**				
Cost Category	**PY1**	**PY2**	**PY3**	**PY4**	**Total**
Incentives	$1,858.6	$2,431.7	$3,357.6	$4,272.0	$11,919.9
Delivery	$333.1	$432.5	$513.7	$579.3	$1,858.7
Administration	$43.5	$56.3	$66.8	$75.2	$241.8
Evaluation	$58.0	$74.1	$87.3	$97.9	$317.2
Total	$2,293.1	$2,994.6	$4,025.3	$5,024.4	$14,337.5

[30] KEEIA, Section 1.5.c.1.D - Programs targeted to low-income customers or general education campaigns do not need to meet a cost-effectiveness test, so long as the Commission determines that the program or campaign is in the public interest and is supported by a reasonable budget in the context of the overall budget.

Table 7: Residential Portfolio Cost-Effectiveness Ratios for Kansas Central and Metro

Total Residential Portfolio Cost-Effectiveness Ratios for Kansas Central					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
Whole Home and Demand Response Programs	4.6	2.6	1.0	5.5	5.8
Total Portfolio (including Public Benefit)	3.5	2.1	0.9	4.3	4.6
Total Residential Portfolio Cost-Effectiveness Ratios for Kansas Metro					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
Whole Home and Demand Response Programs (including Public Benefit)	3.9	2.3	0.7	4.6	7.0
Total Portfolio	3.0	1.8	0.7	3.6	5.6

4.2. Whole Home Efficiency Program

The Whole Home Efficiency Program provides for multiple channels that focus on EE installations in single-family and multi-family residences. The program is designed to improve equipment operational performance and home comfort. Offering rebates designed to cost-effectively help close the price gap between baseline-level equipment and high-efficiency equipment so customers may benefit from the best technology.

Evergy proposes three components for participation: Home Comfort, Home Products and Energy Assessment and Energy Savings Kits. These options are described below.

Home Comfort

HVAC equipment rebates - Heating and cooling equipment is a large investment and customers often opt for the least expensive option. This rebate will offset the incremental cost of investing in the lower efficiency, less expensive equipment to a higher efficiency but more expensive option. This rebate is can only applied to replace broken or inoperable equipment. Eligible efficient heating equipment must be “like for like” technology to existing technology.

Air sealing improvements and insulation rebates - To optimize performance and comfort of the home, Evergy proposes to recruit and train a contractor and trade ally network to promote these rebates. Evergy proposes to provide a customer application intake tool to streamline rebate processing and quality assurance/quality control (QA/QC) of customer projects to ensure that quality standards are maintained. The program may also offer do-it-yourself (DIY) insulation rebates for customers that purchase and self-install insulation in attics.

On-bill financing – Evergy proposes on-bill financing to help eliminate the barrier of upfront cost when upgrading to energy efficient equipment. On-bill financing, in combination with rebates, makes the adoption of EE upgrades more attractive to both market-rate and hard-to-reach customers.

Home Products

Energy Efficient Products - Discounted in-store retail and online efficient products will be provided to Evergy customers with easy access. Evergy proposes to provide customers with instant discounts on an online marketplace and/or partner retail stores for energy-efficient products such as LEDs, air purifiers, smart power strips and other efficient equipment.

Appliance Recycling - Homeowners often keep inefficient refrigerators and freezers and other small appliances, such as wall AC units, that are high energy users in garages or outbuildings. An appliance recycling program removes this expensive and burdensome equipment from customers who do not realize the high impact these systems have on their electric bill. Providing the option to recycle these inefficient units not only helps customers to rid of these units but it also prevents the units from returning to the secondary market.

Energy Saving Trees - Providing energy-saving trees is a unique and important measure. Trees have a useful life of decades and only increases in value over time. Shade trees are seasonal and apply cost-effective energy reduction in the summer, while in the winter trees allow sun exposure to help heat a customer's home. Evergy proposes to operate several no-cost tree distributions during tree planting seasons and propose to focus on underserved income-eligible neighborhoods.

School Kits –Evergy proposes to offer school kits that are uniquely designed to inspire the next generation to take action and create a more energy efficient future. Evergy's teams will coordinate with local schools to provide interactive, educational program materials and energy efficient kits focused on energy efficiency and sustainability. Evergy aims to help families improve their cost of living through implementing EE measures and making behavior changes, while also providing a unique way to promote our other utility opportunities.

No Cost Energy Assessment and Discounted Energy Savings Kits:

Evergy proposes to recruit experienced contractors and trade allies to provide no-cost energy assessments (in-person or virtual) and discounted energy savings kits for multi-family units and non-LI single family homes. Evergy proposes that building owners may use their own contractors or ask for recommendations for more comprehensive projects that could be funded under the Business Energy Efficiency Program.

For multi-family properties, there will be targeted outreach to educate property owners and managers on the benefits of EE to them. These benefits include but not limited to:

- lower tenant turnover,
- tenant rental satisfaction increases and
- lower rent default since less money is being spent on energy use, which frees up money to apply toward rent

According to US Census data, within Evergy's Kansas service territory, 34 percent of the multi-family housing units are market rate (above 80% Area Median Income (AMI)). This equates to potential opportunity of approximately 42,000 multi-family units to effect greater energy efficiency. Section 4.5, Figure 13 shows the mix of market-rate and income-eligible multi-family units.

4.3. Home Energy Education Program

This program focuses on influencing customer's energy behaviors through education and will utilize customer marketing and outreach, online self-education tools and community events. Evergy proposes a specific focus on areas where the most need is identified, such as in rural and low-income communities. This program's objective is to help customers understand where energy is being used the most in their homes, provide tips to reduce energy use, recommend low-cost ways to save money and provide for on-site enrollment opportunities.

The Home Energy Education Program is designed with the goal of educating customers on EE. Although this program results in energy and demand savings through the Home Energy Education Report and LED giveaways for "of-need" customers, this program is not required to meet a cost effectiveness target, nor does it include specific goals for savings. Rather, the program is designed to align with stakeholder feedback and other research sources that identified education as one of the largest and highest priority needs in the Evergy Kansas territories.

The six components of the Home Energy Education Program are detailed below.

Marketing for Residential Education

Evergy proposes to deploy an integrated marketing campaign for its residential programs. Evergy's proposed approach will drive awareness, understanding, consideration and enrollment to our programs across the portfolio. During the customer awareness and understanding phases, Evergy will pay special attention to helping customers understand their energy usage and the importance of energy efficiency, through personalized reports, messages and educational materials.

Digital Tools (Online Education and Outreach)

Evergy proposes to offer digital tools and communication of personalized energy savings recommendations. This includes online self-service energy assessments designed to educate customers on the most impactful EE improvement opportunities for their home. Through this option, the Company aims to grow its customers' understanding of how their home uses energy and help the customer to create and implement a plan to lower their usage.

Community Events

Stakeholders and Evergy agree that it is important that customers and communities deem Evergy as a trusted advisor and that in-person interaction is critical to building those relationships and trust. Evergy proposes to host community events that will provide opportunities to educate customers, provide EE information, offer energy efficient products and assist with program enrollment. Evergy's goal is to meet customers where they are in the community to demonstrate our commitment towards valuing individual needs. A concentrated focus will include supporting customers who may have limited access to the internet or other sources of information.

Rural Community Engagement

Evergy proposes to provide enhanced outreach to geographically hard-to-reach customers through this program to create equity for customers who may not be reached by these programs through a traditional approach. Evergy will identify and work with community groups who may be participating in the LILIES (see below) initiative and use specific customer targeting to reach rural customers.

Kansas LILIES (Low Income Leadership in Essential Services)

The LILIES initiative is designed to offer support in three different but very interconnected home components: Energy Efficiency, Home Health and Structural Repairs/Integrity. Evergy uses a similar community-based design in Missouri, Low-Income Leadership Assistance Collaborative (LILAC). The premise of this collaborative is to bring together regional partners who offer services to the most at need in our Missouri community. We propose to apply this approach to Kansas and will work with various partners to assist in providing services to income-eligible customers through the creation and evolution of a stronger network of support. Throughout Evergy's stakeholder engagement process (Section 2.1), stakeholders expressed a high level of interest in the concept of Kansas LILIES.

Home Energy Education Report

Evergy proposes to offer a Home Energy Report (HER), that is both a behavioral EE and educational program and provides residential customers with household insights on their specific energy usage. The HER will be delivered by email and/or to the customer's home in a paper format. The HER will be composed of informational modules to help customers better understand and manage their energy use more effectively.

Informational module examples include:

- Similar home comparison,
- Energy comparisons over time,
- Energy efficiency tips, and
- Utility program promotions

Evergy also proposes to offer an income-eligible version of the HER to help those customers who may need different messaging. Informational module examples include:

- Promotion of free direct installation of energy efficiency measures and energy assessments,
- Low to no cost energy savings tips, and
- Utility billing assistance programs, and promotion of community assistance programs

4.4. Home Demand Response Program

The Home Demand Response (HDR) program is designed to help customers better manage energy use in their home and reduce the impact on the utility grid during times of peak demand. This program will consist of two components: smart thermostats and water heater controllers.

The HDR program provides opportunities for customers to program these smart devices to during lowest cost hours, allowing for participation in Time-of-Use (TOU) programs easier, as well as allowing customers to participate in both winter or summer demand events to earn additional incentives. This program consists of two components; smart thermostats and water heater direct load control.

Smart Thermostats

New Thermostats

The HDR program enables customers to acquire smart thermostats through:

- Bring Your Own (BYO) - Customers with existing eligible smart thermostats can enroll in the program for an enrollment incentive and participate in DR events to receive annual incentives.
- Do It Yourself (DIY) - Eligible customers can receive a thermostat and a self-installation kit from a sales channel, such as an Evergy online platform, and enroll the thermostat into the program and receive incentives for participating in the DR program.
- Direct Install (DI) - Eligible customers receive a smart thermostat from a sales channel, such as an Evergy online platform or call center, and can choose to have it installed by the utility at no cost. These customers can then participate in the DR events for annual incentives.

Evergy developed the HDR program with customer trust in mind. Communication, control and comfort are at the forefront of that trust. For DR events, customers will be notified in advance and the thermostat temperatures will be adjusted to pre-determined event settings. During an event, customers may override at any time.

In the first two program years, Evergy anticipates focusing on recruiting BYO thermostat customers since market penetration of these devices has begun and many customers will already own an eligible smart thermostat. Based on feedback from multiple device manufacturers, there appears to be over 50,000 smart thermostats already within homes in Evergy KS territories. With BYO being the lowest cost acquisition channel, this will help strategically manage the budget while re-engaging the market. Towards PY3 and PY4, after much of the BYO potential is achieved, we will transition to adding more of the Do-It-Yourself devices and Direct Installation devices to the program.

Existing Thermostats

Westar and KCP&L began offering one-way communicating thermostats to customers circa 2009 and 2007, respectively. Evergy has included the demand reduction associated with these

thermostats in its annual goals for HDR in both jurisdictions as Evergy expects these customers will continue participating in DR events as they have historically been. Evergy has included the cost to continue to provide maintenance on these one-way thermostats, if technical assistance is required for the customer. Although these thermostats are nearing the end of useful life, as seen in prior Kansas filings of thermostat EM&V[31], Evergy demonstrates that it is cost-beneficial to continue to support and call these devices until these one-way stats are fully phased-out over the next several years.

Water Heater Direct Load Control

Evergy proposes to provide customers with a rebate to obtain water heater controllers that optimize water heating usage and participation in DR events. This is similar to how smart thermostats operate for HVAC systems. The two methods for customer participation include:

Direct Install (DI): Evergy proposes eligible customers will receive a direct load controller from a sales channel, such as an online platform or requested through a call center. The customer may choose to have Evergy install at no cost, which will allow the customer to participate in the DR events for annual incentives.

Bring Your Own (BYO): Evergy proposes to allow customers with new or existing eligible direct load control (DLC) devices on their water heaters to enroll in the HDR program online and participate in DR events to receive annual incentives. The program may include eligible water heaters with DLC built in as well.

4.5. Hard-to-Reach (HTR) Homes Program

As described in Section 4.1, the HTR Homes program targets income-eligible and rural customers and income-eligible multi-family properties. In order to drive participation in these demographics, this program includes free or enhanced rebates[32].

One area Evergy commits to focus on is our Kansas Multi-Family Properties. There is finite, statistical evidence that there is a great need and we are in the position to begin making impacts on these most vulnerable and in-need customers.

According to US Census data, within Evergy's Kansas service territory, 66 percent of the multi-family housing units are income eligible (at or below 80 percent AMI) equating to an opportunity of approximately 84k multi-family units. Figure 14 provides a chart representing the mix of multi-family market-rate and income-eligible units, and Figure 15 is a map of income eligible properties in Evergy's service territory in Kansas.

[31] Docket No. 18-KCPE-124- TAR ("18-124 Docket"); KCP&L-KS Legacy Thermostat Evaluation, Measurement & Verification Study, filed 101-19

[32] Exceptions to free or reduced rebates are Energy Saving Trees and Appliance Recycling components as these already cover 100 percent of the costs for participants.

Figure 14. Evergy Kansas - Multi-Family Market Rate and Income Eligible Unit Counts

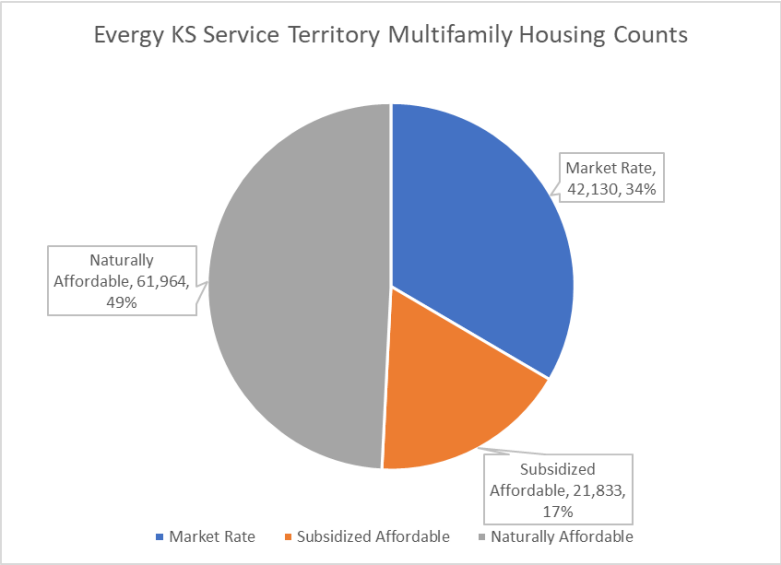
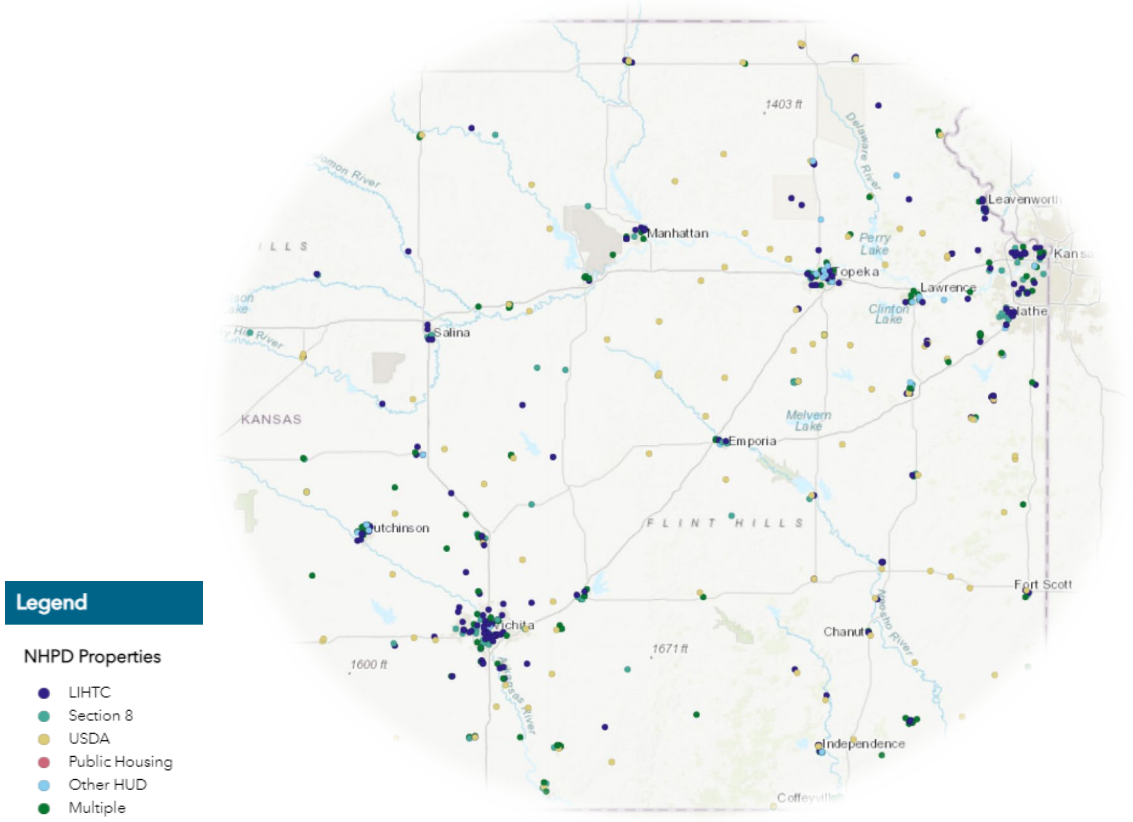


Figure 15. Evergy Kansas – Income-Eligible Properties Map[33]



[33] Source: National Housing Preservation Database

This information helps to support Evergy's approach for increased focus and program offers designed specifically for this demographic. Evergy proposes targeted "concierge-style" outreach to educate property owners and managers on benefits of EE for both them as well as the Evergy customer. These benefits include, but are not limited to:

- lower tenant turnover,
- increase in tenant rental satisfaction
- lower rent default since if less money is being spent on energy use, renter income can be used toward rent

This program will also have components available for our single family customers as well. Single family and multi-family income eligible criteria are defined in Appendix A.

Below are the components of the Hard-to-Reach Homes Program:

Enhanced Home Comfort

No cost upgrades for income eligible single-family or multi-family units and enhanced rebates for income eligible multi-family common areas.

Enhanced Home Products

Increased rebates or no cost energy efficient products for income eligible single-family residents or multi-family unit tenants and buildings.

No-Cost Energy Assessment and Free Energy Savings Kit

Available for income eligible single-family or multi-family units and buildings, along with customers residing in rural areas. When location makes it difficult to send support staff, the kits with the needed items identified during a virtual assessment will be mailed. These kits also include a customized report summarizing the assessment findings with additional opportunities for assistance as needed.

Weatherization Assistance

Continued support of federal weatherization assistance program available to single family customers, delivered through local community action agencies, like Kansas Housing Resource Center.

5. Business Portfolio

Evergy's proposed DSM business portfolio includes programs that provide customers with increased awareness and understanding of how they use and save energy. The business portfolio also provides incentives for EE improvements. These programs are critical in addressing marketplace barriers and challenges that have otherwise limited energy savings opportunities in the past. Through education, awareness and incentives, the business portfolio can address some of the challenges below:

- Lack of top-of-mind prominence for customers who are often busy managing core elements of their business
- Lack of awareness about energy efficient equipment options and available financing when purchasing decisions are made
- Disinclination to replace equipment prior to failure
- Primary focus on purchase price (or "first costs") rather than lifecycle costs

The business portfolio is comprised of broad scale programs and a public benefit program for Hard-to-Reach business customers, which includes an energy education program. Evergy's business portfolio level savings, budget and cost-effectiveness are provided in Tables 9-11, respectively.

Broad Scale Programs[34]:

Whole Business Efficiency Program promotes strong businesses and economic development by improving operational efficiency and new construction practices with equipment rebates on diverse measures including lighting, HVAC systems and other items.

Business Demand Response Program will help Evergy lower summer peak demand and provide a resource to Evergy during the winter. The program also benefits customers who can be flexible with providing demand reduction in their business operations.

Hard-To-Reach Business Program is targeted to vulnerable or small businesses and neighborhoods, including outdoor agriculture and non-profits specifically. The program includes enhanced rebates and concierge outreach assistance. In order to drive participation in these demographics, Evergy proposes to deliver a deeper level of support, which includes no-cost direct installs, personalized energy assessments, and enhanced incentives and rebates. These offers will be presented in a comprehensive manner to deliver maximum customer value.

[34] As noted earlier in Section 4, Hard-To-Reach Residential Programs are included within the definition of Public Benefit given KEEIA legislation definition. However, for business programs, Evergy includes Hard-To-Reach Business Programs within its definition of Broad Scale programs based on its focus on small business and non-profits.

All three broad scale business programs have been designed to meet cost-effectiveness goals and will provide significant savings for the portfolio, while providing energy savings benefits for all business customer segments. All programs exceed TRC of 1.0 and a RIM of 0.7.[35]

Public Benefit Program:

Business Energy Education Program is designed to drive improved customer energy use behaviors and increased customer awareness around no- or low-cost ways to save energy. Evergy proposes to include both broad and targeted customer education around measures in businesses that impact costs and as a pathway to direct customers to Evergy programs that can improve operational efficiency and comfort.

As defined in the KEEIA statute, cost effectiveness is not required for Public Benefit programs.[36]

Table 8: Total Business Portfolio Savings for KS Central and Metro

Total Business Portfolio Savings for Kansas Central									
Net MWh Savings					Net MW Savings				
PY1	PY2	PY3	PY4	Total	PY1	PY2	PY3	PY4	Total
25,574	36,859	39,540	39,009	15.6	28.0	40.8	58.6	25,574	36,859
Total Business Portfolio Savings for Kansas Metro									
Net MWh Savings					Net MW Savings				
PY1	PY2	PY3	PY4	Total	PY1	PY2	PY3	PY4	Total
9,822	14,051	14,823	14,515	6.7	12.4	18.6	27.3	9,822	14,051

Table 9: Total Business Portfolio Budget ($ 000s) for KS Central and Metro

Budget ($ 000s)	Total Business Portfolio Budget for Kansas Central				
Cost Category	PY1	PY2	PY3	PY4	Total
Incentives	$6,522.7	$9,080.1	$9,957.2	$10,670.2	$36,230.2
Delivery	$2,948.2	$4,153.1	$4,595.8	$4,965.8	$16,662.8
Administration	$382.3	$537.7	$594.8	$642.6	$2,157.4
Evaluation	$492.1	$686.1	$757.4	$817.2	$2,752.7
Total	$10,345.2	$14,456.9	$15,905.2	$17,095.7	$57,803.1

[35] Docket No. 16-KCPE-446-TAR, Application of KCP&L for Approval of its Demand-Side Management Portfolio Pursuant to the Kansas Energy Efficiency Investment Act, page 35.

[36] KEEIA, Section 1.5.c.1.D - Programs targeted to low-income customers or general education campaigns do not need to meet a cost-effectiveness test, so long as the Commission determines that the program or campaign is in the public interest and is supported by a reasonable budget in the context of the overall budget.

Budget ($ 000s)	Total Business Portfolio Budget for Kansas Metro				
Cost Category	**PY1**	**PY2**	**PY3**	**PY4**	**Total**
Incentives	$1,995.6	$2,797.3	$3,102.8	$3,311.6	$11,207.3
Delivery	$918.7	$1,292.9	$1,424.0	$1,540.9	$5,176.4
Administration	$119.0	$167.3	$184.2	$199.3	$669.7
Evaluation	$152.1	$212.5	$233.7	$252.7	$851.0
Total	$3,185.4	$4,470.0	$4,944.8	$5,304.4	$17,904.5

Table 10: Business Portfolio Cost-Effectiveness Ratios for KS Central and Metro

Total Business Portfolio Cost-Effectiveness Ratios for Kansas Central					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
CE Required Programs	1.8	2.6	1.9	2.3	0.8
Total Portfolio	1.7	2.0	1.5	2.2	1.0
Total Business Portfolio Cost-Effectiveness Ratios for Kansas Metro					
	TRC	**UCT**	**RIM**	**SCT**	**PCT**
CE Required Programs	1.6	3.0	1.3	2.0	1.2
Total Portfolio	1.6	2.2	1.1	2.0	1.4

5.1 Whole Business Efficiency Program

Incentives are a key component to encourage business customers to take the next step in EE. Incentives reduce the upfront capital expense, which is a known barrier for EE investment.

The Whole Business Efficiency program provides incentives for customers who install energy efficient equipment. An objective of this program is to have multiple energy efficient technologies eligible, including measures that improve the performance of existing equipment like controls and tune-ups, while providing various options that accommodate the many different types of business customers.

Measures for this program can be installed in new or existing businesses across a variety of measure types through two paths:

- **Standard -** fixed incentives for specific energy efficient measures with pre-set savings values
- **Custom –** variable incentives for qualifying complex or unique projects that do not fall under Standard. Incentives are determined on a $/kW or $kWh basis.

Evergy proposes four components for participation: Business Comfort, Business Operational, Business Products and New Construction. These components are described below.

Business Comfort

Building comfort measures include insulation and air sealing improvements, door enhancements and other custom measures. The program will also include air conditioner and heating equipment and controls projects, including tune-ups and other behavioral strategies.

Business Operational

Business operational measures include refrigeration, food service equipment, ventilation, laundry or other mechanical upgrades to save on energy costs. This includes a retro-commissioning program, which provides incentives for operations and maintenance measures identified through a retro-Commissioning study.

Business Products

Business products include rebates for LEDs, control equipment and other products through midstream or the custom or standard rebate channel for business customers.

New Construction

New construction measures include incentives for early design assistance and qualifying complex or unique new construction projects. Custom rebates are determined on a $/kW or $/kWh basis for incremental savings above building code.

5.2 Business Energy Education Program

Education is one of the key components for DSM success. Customers need tools, resources and guidance to understand how their businesses use energy and where they can save energy. The Business Energy Education program will provide these resources, focusing on program benefits as well as other avenues to optimize efficiency. Marketing engagement for business customers, as well as education assistance in the form of building operation certification courses, will be essential in engaging business customers.

Education and marketing will also guide customers to other key initiatives within the community to promote better energy management practices. This could include customer assistance in using energy usage data to benchmark facilities, as well as promoting other available resources such as Building Energy Exchange in Kansas City37. Evergy will continue to partner with these community organizations as a way to promote best practices and available resources.

For small businesses, Evergy will offer digital tools, including online tools and outreach that can be customized for a variety of business types and will help drive low to no cost improvements.

Evergy proposes five components of the Business Energy Education Program:

[37] The KC Regional Building Energy Exchange (BE-Ex) is a new resource focused on accelerating advancements in building efficiency in the Kansas and Missouri region to reduce greenhouse gas (GHG) emissions and improve economic opportunities.

Customer Facing Business Marketing

Evergy will deploy an integrated marketing approach for the Business Portfolio, with marketing tailored to industries, equipment and business types that offers relevant products while educating customers on EE and DR. These programs will also be promoted through other channels, including Evergy's Customer Solutions Managers and trade allies.

Building Operator Education

This component will utilize the Building Operator Certification® (BOC), which is the leading training and certification program for building engineers and maintenance personnel. Courses will include both Level I (Building Systems Maintenance) and Level II (Improving Building Operational Performance). These courses help operators find practical, low-cost and no-cost efficiency solutions by working with existing systems. The classes also show building personnel how to create a preventive maintenance program that improves the building environment and prolongs the life of equipment. Finally, these courses lead seamlessly into participating in other Evergy programs, such as DR programs and other EE programs that influence facility managers to take action in energy conservation. BOC was offered to legacy Westar customers in Kansas from 2010 to 2018, graduating 554 operations professionals.

Small Business Behavioral Program

Small businesses typically have limited resources and lack the technical expertise in identifying and implementing energy savings measures. The Small Business Behavioral Program offers digital tools and communication that personalize energy savings recommendations. This will include online self-service education tools that are customizable by business type to educate customers on the highest EE saving opportunities for their business. This component uses targeted outreach to small business customers with higher-than-expected energy use, providing tools, tips and resources to change behavior and realize low to no cost energy savings.

Community Events

Evergy will host in-person events to build trust and relationships within its communities. Evergy's goal is to meet customers where they are in the community to demonstrate our commitment towards valuing individual needs. A concentrated focus will include supporting small business and nonprofit customers. We will utilize these opportunities to educate, provide information and assist with program enrollment.

Rural Community Engagement

Evergy proposes to provide enhanced outreach to geographically hard-to-reach customers through this program to create equity for customers who may not be reached by these programs through a traditional approach.

5.3 Business Demand Response (BDR) Program

If businesses have the ability change their electric load when called upon by the utility, it creates overall grid flexibility and adds value to the grid. The proposed BDR program is designed to provide Evergy an additional tool to manage customer demand such that it provides customers

an option to participate in crucial winter or summer demand events and provides an opportunity for the business to earn financial incentives.

Evergy proposes to offer two components of participation, depending on the customer's facility type and equipment:

Direct or Aggregator:

Evergy will recruit businesses to participate in the program by assessing customer facilities and identifying opportunities for operational changes to participate in DR events. Recruitment may be determined in several ways and may include direct Evergy customer recruitment or third-party aggregation.

Manual or Auto:

This component includes customer enrollment to receive auto DR signals to existing building management systems or energy management systems. Evergy will send notifications to customers to participate during events. Customers who do no not receive auto signals will conduct on-site load reduction activities manually.

5.4 Hard-to-Reach (HTR) Business Program

Small businesses and non-profits often face numerous obstacles in realizing energy savings. These obstacles include lack of resources, lack of expertise in operational improvement and upfront capital. Evergy proposes a focused program with targeted and enhanced incentives to help this customer segment address these challenges. The Hard-to-Reach (HTR) Business Program includes the programs above with enhanced rebate values and additional initiatives designed only for these business customers.

This HTR Program is separated into five components:

- **Enhanced Business Comfort –** increased rebates or no cost upgrades for small businesses and non-profits, above those noted in Section 5.1.
- **Enhanced Business Operational -** increased rebates or no cost upgrades for small businesses and non-profits, above those noted in Section 5.1.
- **Enhanced Business Products –** increased rebates or no-cost products for small businesses and non-profits.
- **Enhanced New Construction -** increased rebates (noted in Section 5.1) or no-cost products for income-eligible single family or multi-family units and buildings.
- **No Cost Energy Assessment and Free Energy Savings Kits –** This component is available for small businesses and nonprofits, and customers who reside in rural areas. When location makes it difficult to send support staff, the kits with the needed items identified during a virtual assessment will be mailed. These kits also include a customized report summarizing the assessment findings with additional opportunities for assistance as needed.

6. Pilot Incubator Program

The objective of the Pilot Incubator Program is threefold. It creates a pathway for generating ideas, creates and opportunity for identifying additional programs and/or program component improvements, and tests new concepts for both business and residential customers. This program uses a process to score and evaluate ideas that mirror the needs of Kansas constituents, allowing Evergy to bring innovations and best practices for products, program components and/or programs. The incubator proposed in this filing will focus on the specific needs of Kansas customers, but it can also leverage the work performed in Missouri by Evergy, which includes a list of over 300 concepts already developed and considered.

Figure 15 below illustrates the pilot incubator stages. The pilot incubator has three major stages: identifying concepts, validating ideas and commercializing or integrating the evaluated designs into the portfolio. Failing or succeeding with ideas quickly in a landscape where revision is allowed and expected is less expensive than experimenting at scale. This program allows for managing resources responsibly while creating the ability to transform programs to meet the changing needs of customers and ever evolving technologies.

Identify

Program implementers, Evergy and other community partners can submit ideas into the incubator. Evergy proposes to score and prioritize pilots based on criteria that can most benefit programs and customers. This creates a database to draw on that includes the best practices in the industry and allows for local input that focuses on the needs of Evergy's customers.

Validate

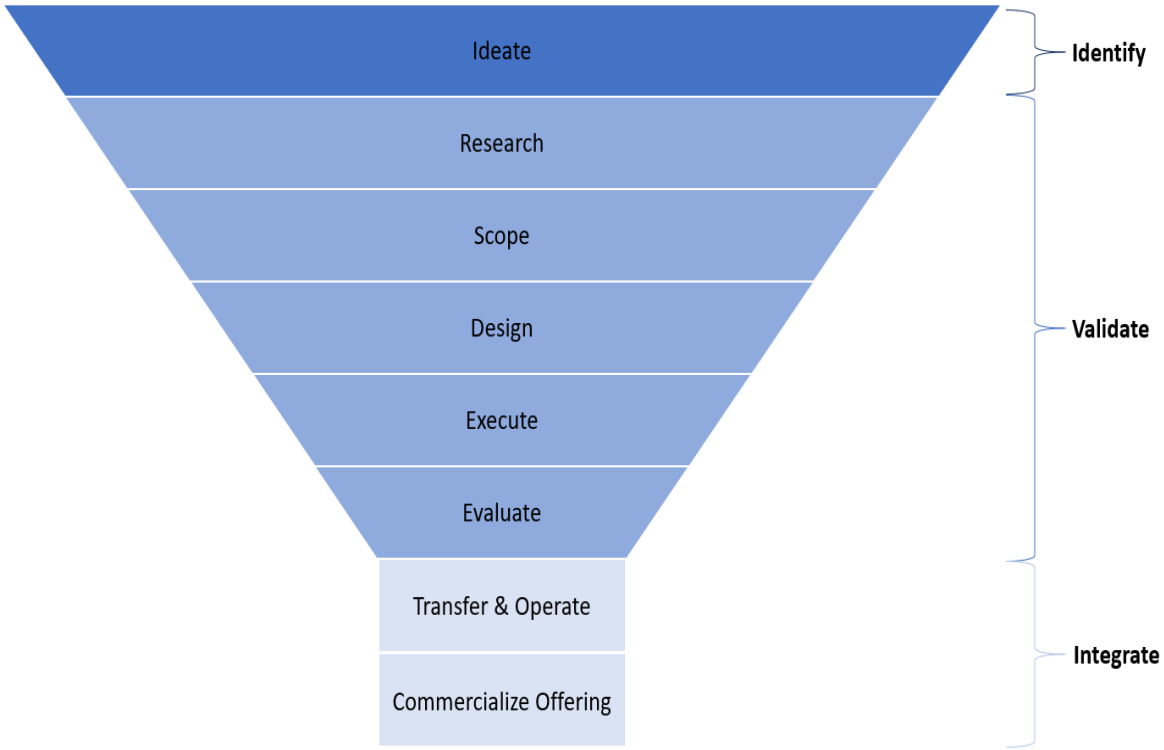
Validation is the largest stage of the program. It includes researching the concept for historical success, evaluating alternative options, reviews viability in the market and then uses this information to scope the test, design the pilot and determine what success will look like. The pilot is presented to stakeholders for feedback, launched, monitored, and enters a cycle of redesign and redeployment if necessary. An idea is honed quickly and can be discarded or moved forward based on performance. The process is documented with reports and reviewed by evaluators. Evergy stores all program data and documents in a database from which it can constantly access and improve.

Evergy proposes to invite interested stakeholders to discuss any new pilots at least 30 days prior to deployment. As shown in Figure 16, this communication will occur after the design step and before the execute step.

Integrate

In the integration phase, business models for the new program or concept are built, new programs are filed for approval and then transferred to an implementation team for the successful integration of improved or new program designs.

Figure 16: Pilot incubator Stages



7. Program Evaluation, Measurement and Verification (EM&V) Plan

Evaluation, Measurement and Verification (EM&V) of DSM programs is an essential component to the deployment of the programs. As stated in the 2012 State and Local Energy Efficiency Action Network (SEE Action) guide on EM&V, "Documenting the benefits of efficiency using credible and transparent methods is a key component of successfully implementing and expanding the role of efficiency in providing secure, stable, reliable, clean and reasonably priced energy."[38]

Evergy proposes an EM&V plan that will meet the primary objectives outlined in the SEE Action guide:

- Document the benefits/impacts of a program and determine whether the program (or portfolio of programs) met its goals.
- Help understand why program-induced effects occurred and identify ways to improve current and future programs.
- Support energy demand forecasting and resource planning by understanding the historical and future effects of energy efficiency as compared to other energy supply and demand side resources.

Considering these key objectives and the importance put on the topic by the Commission in prior proceedings, Evergy proposes a detailed EM&V framework to help drive the outcomes important to the Commission, stakeholders and customers. The proposed framework is a detailed document that accounts for industry best practices for important components of the evaluation of programs. While the framework contains proposals for many facets of evaluation, it also allows for stakeholder guidance to achieve insights into specific topics accordingly.

Evergy proposes to engage a third-party vendor to conduct EM&V of the portfolio of programs. EM&V should be an independent assessment of program and portfolio impacts and processes, while serving as an important continuous improvement and quality assurance tool for program delivery. EM&V results will also directly integrate into the throughput disincentive adjustment and earnings opportunity calculations.

As described and outlined in the EM&V Framework, Evergy proposes that the third-party vendor perform the following activities.

Evaluation Planning

Evaluation planning includes prioritizing program-level activities based on factors such as contribution to portfolio and sector savings, contribution to portfolio and sector spending, uncertainty, and program maturity.

[38] SEE Action Guide for States: Evaluation, Measurement, and Verification Frameworks-Guidance for Energy Efficiency Portfolios Funded by Utility Customers (https://www.energy.gov/sites/default/files/2021-07/EMV-Framework_Jan2018.pdf)

Verify Gross Impacts

Verifying gross impacts includes confirming the savings achieved from measures installed and behavioral actions from program activities. Using the Technical Reference Manual (TRM)[39] as a basis, EM&V will verify gross impacts through rigorous and methodologically sound activities such as:

- Engineering analysis based on deemed and partially deemed calculations within the TRM
- Statistical analysis using billing and/or AMI data
- On-site verification and/or metering
- Simulation modeling
- Participant surveys
- Desk reviews

Estimate Net-to-Gross (NTG)

Estimation of NTG includes providing results of the proportion of gross savings attributable to program interventions. This accounts for free-riders[40] () and spillover[41] (). The EM&V vendor will quantify NTG using approaches such as:

- Participant surveys
- Trade ally surveys
- Non-participant surveys
- Market data analysis
- Statistical modeling, such as elasticity analysis

Review Program Processes

To maximize impact, effectiveness, and customer satisfaction as well as provide insights into opportunities for improvements, the review of program processes will include methods such as:

- Program staff and stakeholder interviews
- Participant interviews and surveys
- Trade ally interviews and surveys
- Secondary data analysis and program benchmarking
- In-depth qualitative research including focus groups, online interviews and intercept interviews and surveys
- Customer journey mapping
- Case study development

Calculate Cost-Effectiveness

[39] Appendix C.
[40] Free riders are defined as customers who would have acted on an EE measure in absence of the utility program.
[41] Spillover is defined as EE actions a customer took without receiving a rebate for so doing as a result of what they learned through Evergy's DSM programs, marketing and education efforts.

Calculation of cost-effectiveness will be performed at the program and portfolio levels, focusing on the TRC test but also running analyses to calculate the other four cost-effectiveness tests: SCT, UCT, PCT AND RIM described in Section 1.

Modify TRM Values

TRM modifications will be performed after each program year and will be on a prospective basis. Subsequent program years will refer to the revised values. The inputs to be assessed include baseline equipment efficiency, usage assumptions and incremental costs.

EM&V Reporting

The EM&V third-party vendor will provide progress reports against goals, program activities, and EM&V findings through interim reports and annual reporting. Evaluations will leverage industry standard best practice documents in determining methodological approaches, such as the Uniform Methods Project (UMP), International Performance Measurement and Verification Protocol (IPMVP) and Standard Practice Manual for cost-effectiveness. Sampling for quantitative data collection efforts will strive to achieve a minimum 90% ± 10% level of precision at the program-level.

Evergy will collaborate with the EM&V third-party vendor to deliver draft EM&V reports 120 days after the last day of the program year. The timeline will include opportunity for up to two review periods and presentations to stakeholders. Table X below summarizes an example of a reporting timeframe.

Table 11: Annual EM&V Timeline (KEEIA Cycle 1 Program Year 1 Example)

# Of Days	Projected Date	Description
	12/31/2023	Program Year Ends
120	04/30/2024	EM&V Draft Report Issued
60	06/28/2024	KCC Staff and Stakeholder comments due
	TBD	Stakeholder meeting to discuss the comments and recommendations for report changes
30	07/30/2024	Final Draft EM&V Report due
20	08/20/2024	Designated stakeholder to provide written comments of any concerns on the final draft EM&V Report to Evergy, KCC Staff and all other stakeholders.
15	09/04/2024	Final EM&V Report due

8. Financial Recovery Approach

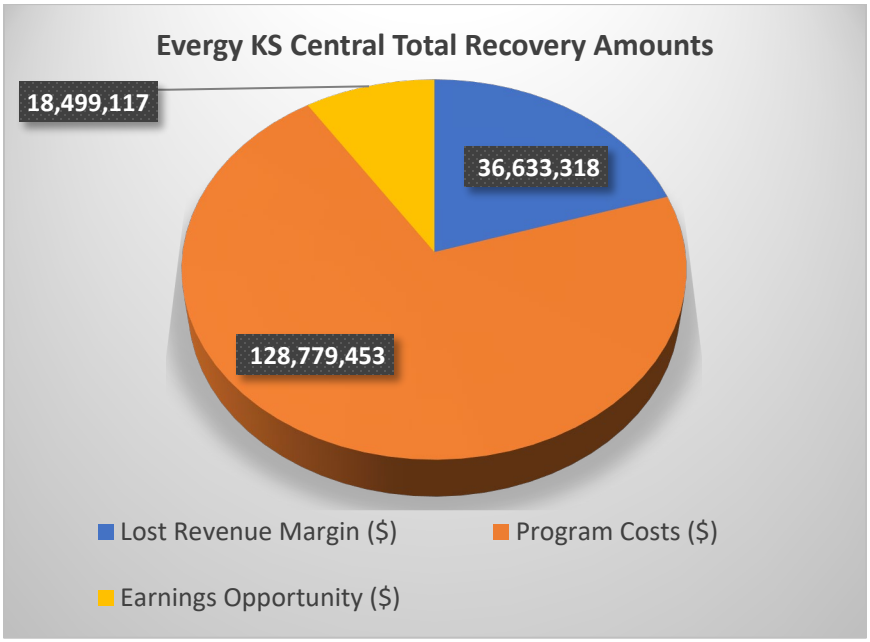
Utility Incentive Alignment

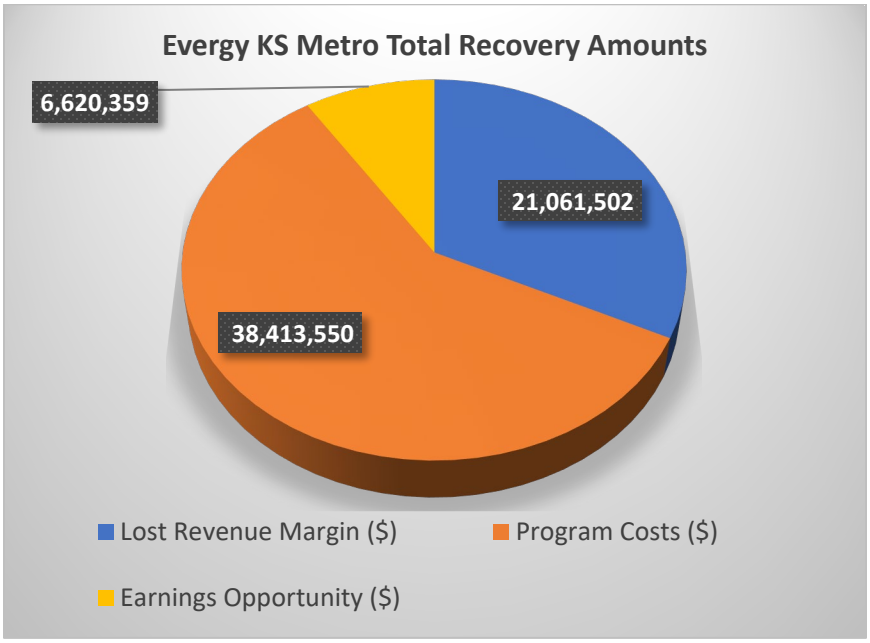
KEEIA establishes a state policy allowing for recovery of all reasonable and prudent costs of delivering cost-effective DSM programs. In support of that goal, KEEIA requires the Commission to:

- Provide timely cost recovery for utilities
- Ensure that utility financial incentives are aligned with helping customers use energy more efficiently and in a manner that sustains or enhances utility customers' incentives to use energy more efficiently
- Provide timely earnings opportunities associated with cost-effective, measurable, and verifiable efficiency savings

To achieve the KEEIA goals, Evergy proposes an Energy Efficiency Rider (EER) structure that is consistent with KEEIA statute. The EER will provide for recovery of program costs, throughput disincentive and earnings opportunity. Figure 16 shows the recovery amounts as proposed in this filing for 2023-2026.

Figure 17: Total Recovery Amounts





Proposed Mechanism

Recovery of program costs. Recovery of the program costs includes recovery of the direct costs associated with program administration (including internal Evergy labor and EM&V), implementation, education and marketing, and incentives to program participants. These program costs are necessary to obtain DSM benefits.

Proposed program cost budgets include all costs that will be incurred for implementation of Evergy's portfolio over the 48-month period following the effective date of the tariff sheets, including subsequent EM&V costs incurred in the year following the 48-month period of the KEEIA 2023 – 2026 DSM Portfolio.

Throughput disincentive. Timely recovery is also required for the impact of reduced electricity sales. Recovery of the reduced sales does not provide additional earnings to Evergy, but rather keeps Evergy whole consistent with its existing regulatory framework and as required by KEEIA. Without proper alignment of Evergy's financial incentives, the success of EE programs will result in negative impacts to Evergy's financial performance as both earnings and cash flow will be affected. Providing recovery of the lost sales associated with EE reverses the negative financial effects by Evergy requesting a throughput disincentive (TD) intended to recover any lost margin revenues resulting from the installation of EE measures and its effect on billed kWh sales in base rates through Evergy's next general rate case.

To recognize TD recovery resulting from implementation of the KEEIA 2023-2026 DSM Portfolio, the amount of such recovery must be objectively determinable at the time of recognition. To meet this requirement, Evergy proposes the use of a TD model to calculate the effect of deemed kWh savings, net of assumed NTG factors in the Company's TRM, resulting from energy efficiency measures installed on Evergy's kWh sales and revenues. To ensure that this interest in recognizing and recovering the TD in the period in which Evergy's revenues are impacted are balanced against KEEIA's requirement that DSM programs are subject to independent evaluation. Evergy proposes that adjustments in deemed kWh/kW savings and

NTG factors used in calculating the TD be updated on a prospective basis in the program year following the completion of the final EM&V. For example, the EM&V results from the first program year, completed during the second program year, will be used in the third program year.

Earnings Opportunity. The effect on shareholder value compared to supply-side alternatives recognizes the opportunity cost to the utility of substituting DSM for supply-side alternatives. Demand-side resources cannot be valued equally to supply-side resources without providing an equivalent opportunity to enhance shareholder value. Providing an EO moves demand-side resources beyond a breakeven proposition and allows fair competition with supply-side alternatives; thus, allowing the utility to value the two options equally.

Evergy's proposal includes an EO to align key performance indicators and a financial return for the investment. The proposed performance metrics support the stakeholder strong interest in providing significant and effective energy education as well investment in hard-to-reach segments. Evergy's proposed EO is provided in Appendix E. The targets for the financial return associated with the education and hard-to-reach programs are calculated based on a percentage of total spend (5 percent). Additionally, achieving measurable and verifiable energy and demand savings are the ultimate measure of success of the proposed DSM programs. Three metrics are proposed to support that outcome. The metrics include:

- Energy savings (MWh)
- Demand savings (MW) from energy efficiency programs
- Demand savings (MW) from demand response programs

The targets for the financial value for these three components are based on a percentage (18 percent) of the net benefits created from the energy and demand savings of the specific components. For purposes of the EO, the kWh and kW savings measurements will be determined through the EM&V performed annually based on measures installed in that year annualized unless otherwise described in the EO matrix shown in Appendix F.

The EO is proposed to be recovered annually for each program year following final determination based on the EM&V 12-month recovery period following the final EM&V report.

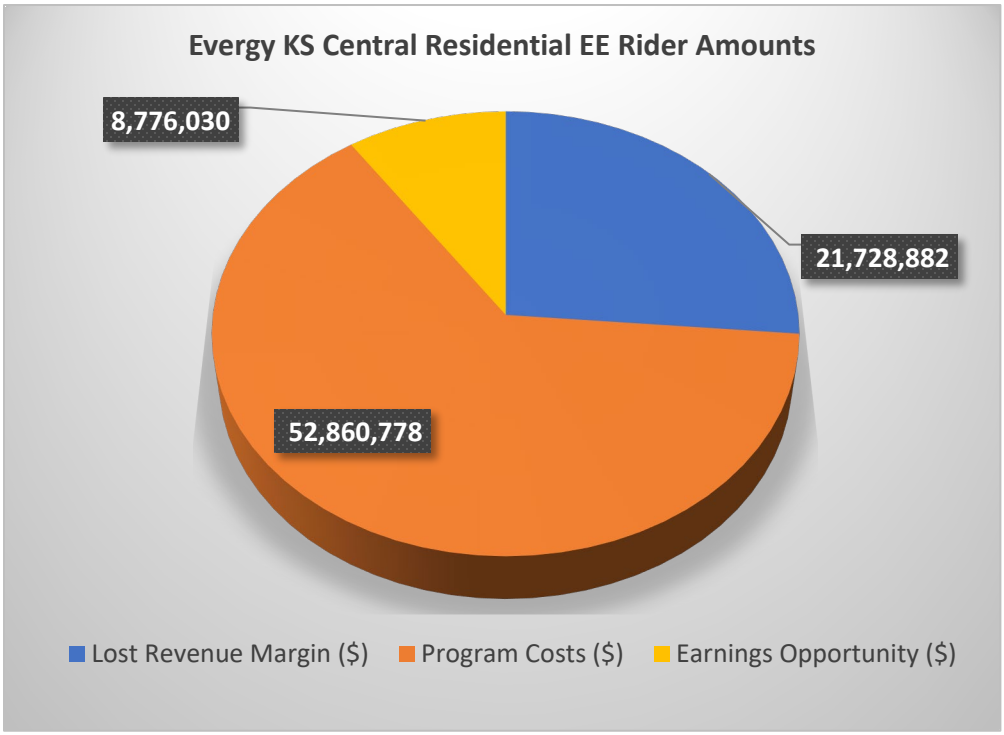
Energy Efficiency Rider (EER)

Currently, Evergy's Kansas jurisdictions (Central and Metro) each have an EER that retroactively recovers program costs for a limited number of KCC approved DSM programs. Program costs are recovered after the end of each program year (calendar year for Kansas Metro and July-June fiscal year for Kansas Central). Such costs are recovered over a 12-month period after KCC approval (July to June for Kansas Metro and November to October for Kansas Central). The proposed recovery mechanism in this case modifies each of the jurisdictional riders to a common calendar annual program year and recovery period beginning in July of the following year.

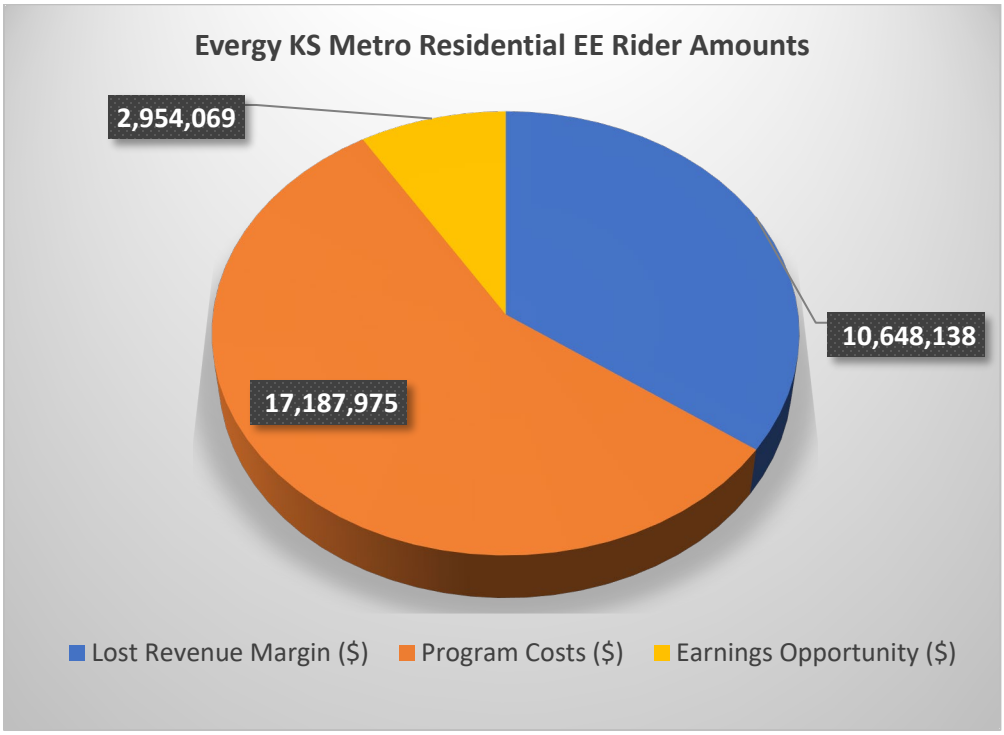
Evergy is requesting approval of the EER such that:

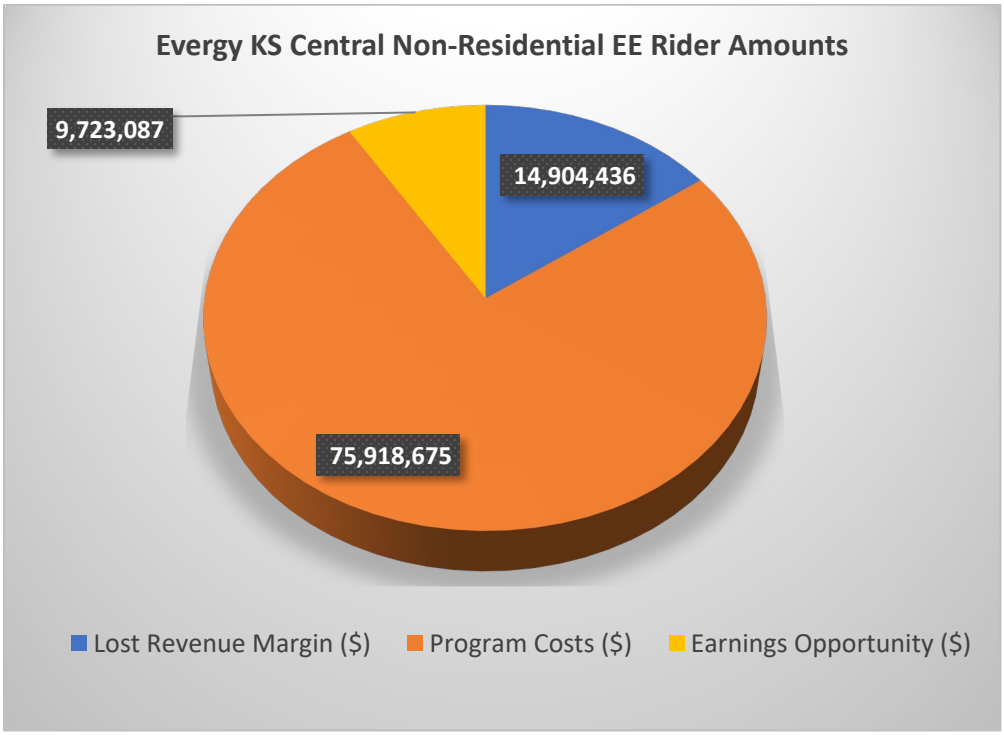
- The EER include recovery of program costs and TD starting July 2024 given approval by the Commission and continue until all program costs and TD are recovered.
- The EER collect actual program costs that include a carrying cost at the Companies' weighted average cost of capital (WACC) and calculated TD on deemed kWh savings net of NTG factors.
- The EER be updated annually with a reconciliation of the prior periods under- or over-recovery of program costs and TD with carrying costs on any under- or over-recovery.
- The net kWh for the TD within the EER is determined by multiplying the deemed kWh savings and NTG factor for each measure as listed in Evergy's TRM for standard measures or calculated net kWh savings for custom measures for the respective month times the incremental rate for each respective customer class[42].
- The EER will provide for separate rates for residential and business customers. These costs are shown in Figure 18. Figure 19 and Figure 20 show the projected $/kWh EER impact for residential and business customers, respectively.

Figure 18: EE Rider Amounts for Residential and Business Sectors



[42] Annual kWh savings per standard measures and NTG factors will be updated prospectively in Evergy's TRM in the program year following issuance of each EM&V report


Evergy KS Metro Residential EE Rider Amounts
2,954,069
10,648,138
17,187,975
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)


Evergy KS Central Non-Residential EE Rider Amounts
9,723,087
14,904,436
75,918,675
Lost Revenue Margin ($)
Program Costs ($)
Earnings Opportunity ($)

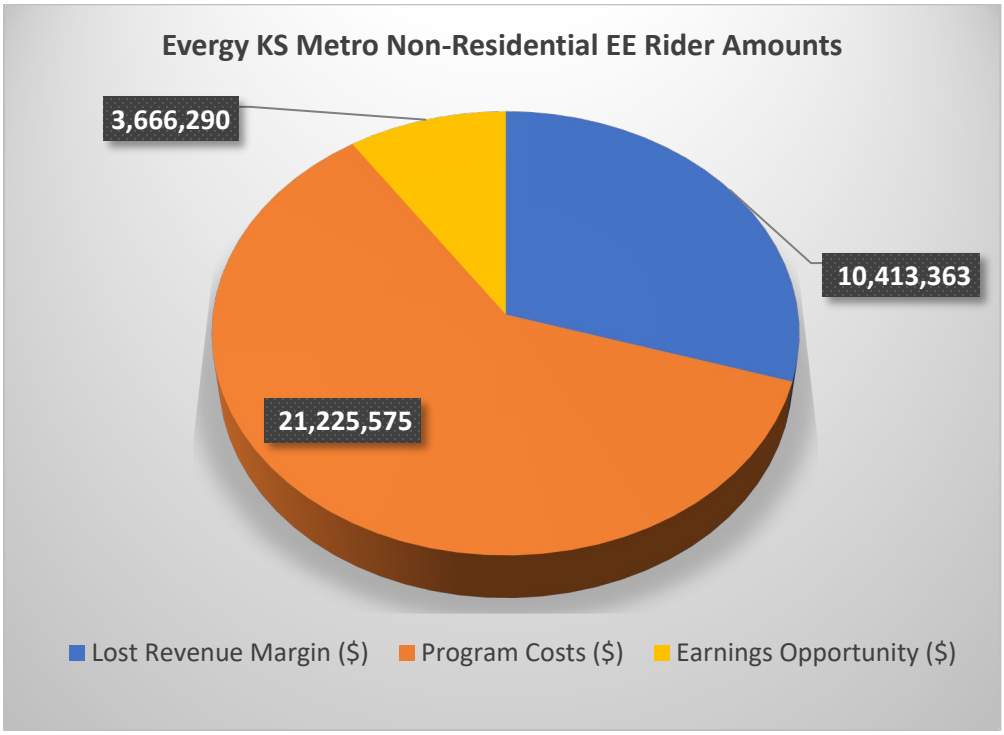
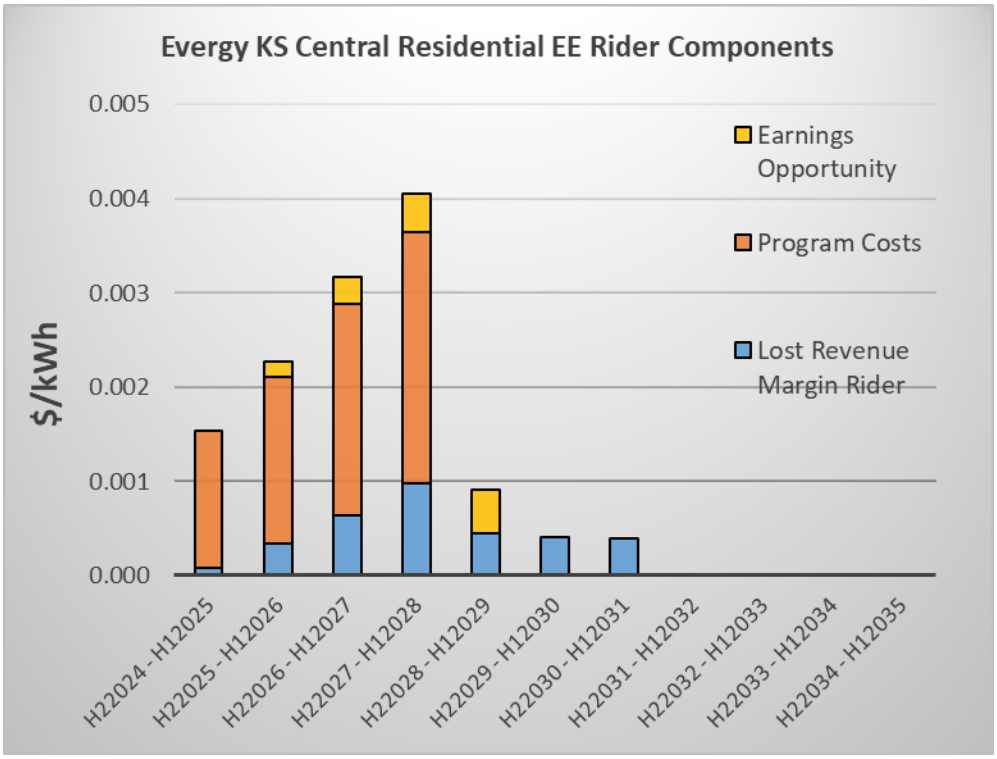


Figure 19: Residential EER $/kWh Impact[43]



[43] The "H" shown in the X-Axis refers to "half" since the EER updates are proposed in July.

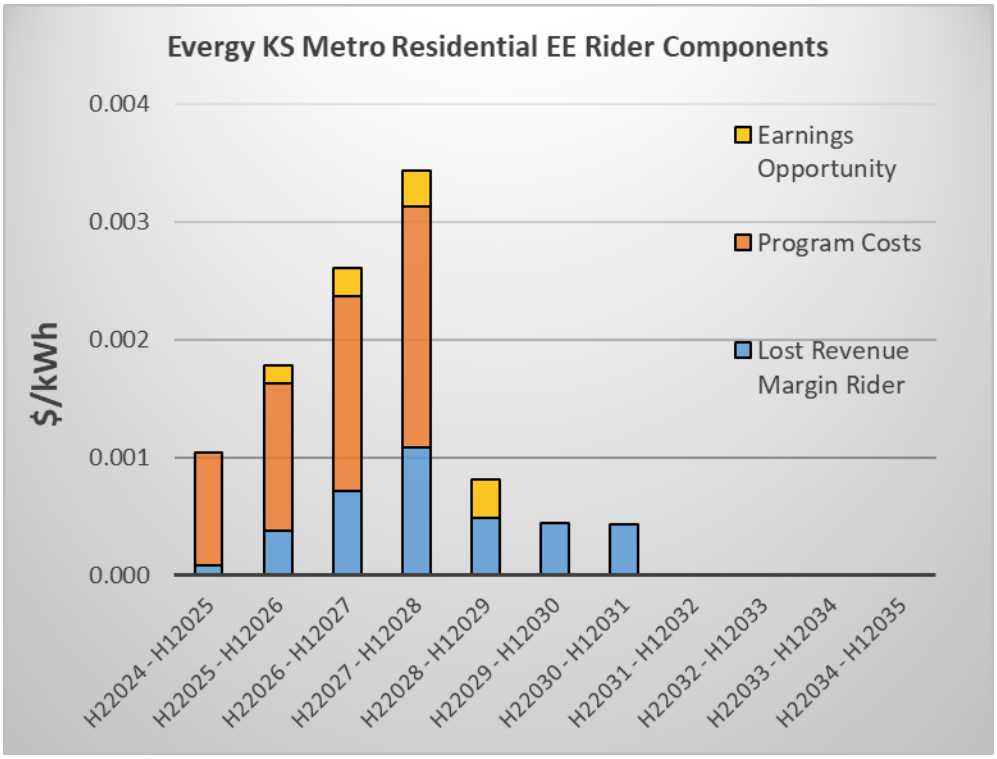
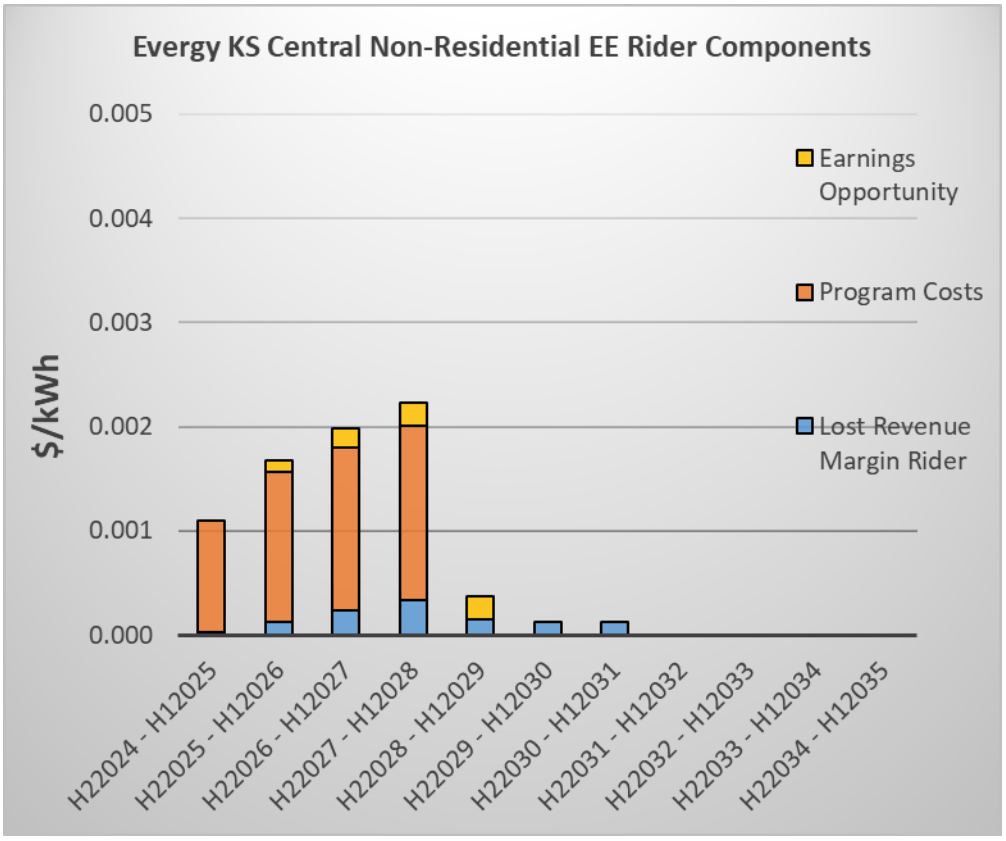
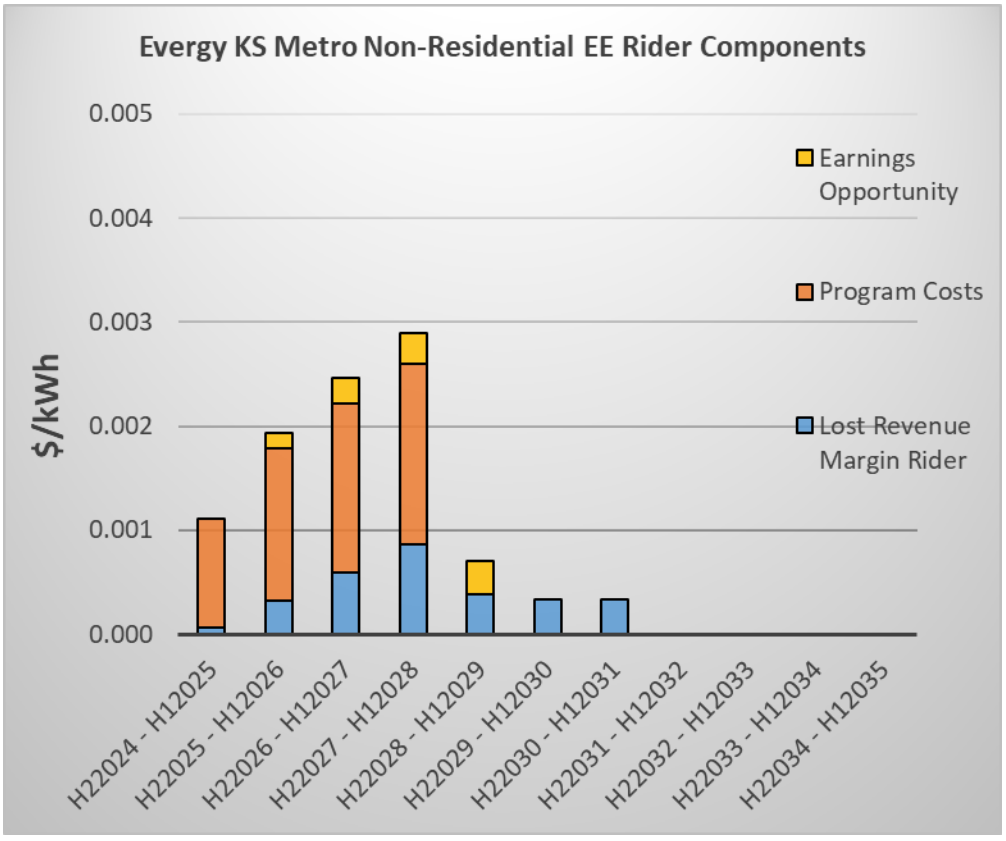


Figure 20: Business EER $/kWh Impact[44]

[44] Ibid.


Evergy KS Central Non-Residential EE Rider Components
0.005
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
H22027 - H12028
H22028 - H12029
H22029 - H12030
H22030 - H12031
H22031 - H12032
H22032 - H12033
H22033 - H12034
H22034 - H12035


Evergy KS Metro Non-Residential EE Rider Components
0.005
0.004
0.003
0.002
0.001
0.000
$/kWh
Earnings Opportunity
Program Costs
Lost Revenue Margin Rider
H22024 - H12025
H22025 - H12026
H22026 - H12027
H22027 - H12028
H22028 - H12029
H22029 - H12030
H22030 - H12031
H22031 - H12032
H22032 - H12033
H22033 - H12034
H22034 - H12035

9. Implementation and Marketing

Integrated Marketing Communications Approach

The marketing and communications strategy will focus on four main steps to nurture participation in energy efficiency and demand response programs: awareness, education, conversion and engagement. These steps will be executed through careful messaging and effective, proven tactics. Integrated marketing communications deliver the highest levels of awareness and ultimately program participation. Because customers need several exposures to a message before acting, the surround sound approach of delivering multiple, carefully orchestrated messages in multiple channels over sustained periods of time works.

Evergy's marketing team will strive to meet customers with an offer most appropriate in their customer lifecycle. This approach works in tandem with educational and straightforward messaging to resonate with the customer about the benefits of participation. Evergy will optimize its technology and resources to create a customer friendly experience that nurtures customers along the path of program participation, and most importantly through their lifecycle as an Evergy customer. Simply put, Evergy's approach is to offer customers timely and relevant information that aligns with their lifestyle, energy/product usage and interests.

Marketing will continue to be executed through automated tools and processes that reflect both proactive and reactive modern marketing capabilities, consistently engaging with customers as Evergy nurtures them to participation. A customer may begin their interaction with an Evergy product through one channel, but Evergy will continue to speak to them even after they navigate elsewhere, as well as ensure appropriate tactics are in place and can be triggered based on their actions. Evergy's marketing will always be 'on' so we are staying top of mind and delivering the right messages to the right people at critical points of their decision-making process.

Educating Customers on Energy Use and Efficiency

The priority for marketing KEEIA is educating customers on energy usage and energy efficiency. Before a customer will be comfortable with program participation, Evergy will communicate the 'why' of energy efficiency. As their utility, Evergy is the trusted source of information around energy usage and management. The utility plays a key role in educating in a straightforward and uncomplicated way that will encourage a customer to act on finding ways to manage or reduce their energy usage. Evergy will pay special attention to helping customers understand their energy usage and the importance of energy efficiency through personalized reports, messages and educational materials.

Launching KEEIA into our Communities

Evergy will use an integrated, multi-channel marketing campaign approach that is optimized around the marketing funnel, which outlines the path customers take from awareness to education to conversion and, finally, to continued engagement. Evergy guides customers through this process by matching marketing campaign elements and tactics to customers' informational needs at various points within the funnel. Customers receive further support through the engagement portion when programs are cross-promoted with other related programs or information in which programs not yet participated.

Marketing Planning

Once final program details have been approved by stakeholders and Commission, the Evergy marketing team will develop a marketing campaign plan considering the approved programs, individual requirements, customer segments identified and desired stipulations, outcomes and goals. One of the key drivers in developing a marketing strategy will be the final approved program and stipulation information, which makes waiting on approval important before building out marketing strategies.

This planning will have multiple phases developed over 3-5 months once programs are approved:

- Customer and Program Research and Audience Development
- Marketing Strategy, Outreach/Advertising Tactics, Timeline and Budget
- Program Naming and Messaging
- Creative Development
- Testing
- Deployment and Measurement

Marketing Strategy

Evergy will develop a two-phase marketing strategy to kick-off KEEIA, allowing Evergy to launch the new programs and energy efficiency education into our Kansas territory successfully.

Phase 1: Soft Launch
A soft launch will kick off our communications, allowing Evergy to test messaging and creative, understand questions and create advocates.

Phase 2: Full Launch
Awareness/Education Campaigns: Helps make sure all customers know Evergy offers products and provide energy efficiency and usage education.

Enrollment Campaign: The awareness campaign will also give Evergy the ability to capture customers with a true interest, such as through an online sign-up form to be notified when the programs are fully available. This will allow Evergy to target the most interested customers not only immediately upon program availability, but also through the most cost-effective channel for conversion.

During and after each step and phase, Evergy will continue to analyze performance data and analytics to understand how messaging and marketing tactics are preforming. Evergy will continue to make adjustments to the strategy throughout the program time frame.

Targeted Marketing Communications

A fundamental part of all marketing is to get the right message to the right customer via data, targeting, modeling and customer-initiated actions. There is no one size fits all approach, as the Company consistently works to identify the target market opportunity on an ongoing basis, as A/B ads are tested and insight is gained into both who is converting and who is simply engaging. The constant monitoring of this activity, combined with refinement and growth of our data architecture, allows Evergy to change and tweak messaging and imagery to align efforts with what the data is telling.

A central component to identifying audiences will be monthly and quarterly evaluation and adjustment of marketing, based on how an audience is responding to ads. This approach will

generate more quality program 'leads' that grow insight into a customer's lifecycle and ultimately, their participation in an energy efficiency program.

Evergy proposes to include targeted marketing communications in the mix of strategies that make up the larger integrated marketing communications approach. While mass marketing casts a wide net, targeted marketing is like spearfishing. To capture individual customers and push them through the marketing funnel, three elements are needed:

- A well-defined target group of customers whose needs match an offering
- Messaging that helps customers understand how they benefit from the offering
- Distribution at relevant times for the customer and integration with other marketing

Messaging Development and Research

Over the years, Evergy has learned how residential and business customers understand, receive and use EE programs. In preparation for launching KEEIA, Evergy will use primary and secondary research to dig deeper and more fully analyze how proposed and continuing programs are perceived and used, and further explore customers' decision-making process and the benefits they find most motivating. These insights support the continued creation of tailored messaging with a focus on educating customers to encourage enrollment. Messaging will emphasize and promote the 'whole home' or 'whole business' benefits of all of the programs, tools and resources available to make their premise more energy efficient.

- Overarching key messages for residential programs may include:
- Energy efficiency reduces monthly energy bills due to lower operating costs.
- Programs help lower energy bills through rebates and incentives for installing highly efficient equipment.
- Energy efficiency helps reduce environmental impacts.

Overarching key messages for business programs may include:

- Energy savings contribute directly to increased profits.
- Partnering with the property manager (when applicable) to employ energy savings can lower energy costs, improve ambiance and increase property value.
- Because energy costs are a sizable portion of an operating budget, investing in energy efficiency is a smart decision with major impact.
- Rebates help reduce upfront costs, shorten payback periods and provide ongoing savings.
- Energy-efficient equipment and systems increase reliability while decreasing maintenance costs.
- Saving energy helps reduce environment impacts and meet sustainability goals.

Marketing Creative

In keeping consistent with the Company's direction of creating relatable and easy-to-understand messaging, Evergy's creative will follow that same path. Imagery will be consistent with Evergy branding, with efforts made to feature local people in local situations (less stock imagery) so the marketing retains an authentic look. Evergy anticipates creative to also serve as a platform that can communicate to customers the direct impact of their efforts, providing examples of energy savings, paybacks, lifetime savings and other personal rewards.

Evergy and implementer marketing staff will work together to develop and finalize materials to support the promotion and education of the programs, as well as needed materials for trade ally and customer participation in those programs.

The collateral needed to implement the programs will span multiple marketing channels such as printed materials and digital/online assets. Items to be developed include (but are not limited to) informational and sales brochures, program applications for both trade allies and customers, rebate forms, incentive charts, digital newsletters, emails, promotional items, information leave-behind flyers, postcards, door hangers and more.

Customer Identification

Sophisticated customer targeting will be used with a combination of data currently in the Company's customer database, demographic information and building type data in order to streamline the process of acquiring customers that are appropriate to each program. This allows the marketing and outreach teams to cost-effectively ramp up more quickly and focus on those most likely to participate, or most likely to benefit the most from programs as in the case of hard-to-reach program designs. Stakeholders will also be engaged to ensure that the right format is being used to reach these individuals, for example, working with community organizers and churches who are trusted advisors to reach communities, individuals, and businesses at need of assistance.

Trade Ally Recruitment and Outreach

The implementers will develop a working plan geared towards successfully recruiting trade allies to participate in programs, as well as tactics focused on maintaining ongoing communications. Some trade allies who are currently in the Missouri program already provide services in Kansas, and conversely there are Kansas-based contractors who work on the Missouri programs. Teams will leverage these existing connections, and work with local HVAC and building performance stakeholder groups to ensure that the widest number of businesses who are eligible are offered the opportunity to participate in programs. Evergy has also learned much about how to integrate DBE Trade Allies into the network from the work in Missouri[45] and will use specific tactics to target DBE organizations for discussions about how to be involved and successful and delivering energy efficiency solutions for our mutual customers.

Building and maintaining relationships with trade allies is key to the programs' success and meeting specific program goals. The outreach strategy developed for the trade allies will include tactics such as monthly newsletters and other emails, surveys, and one-on-one communication like telephone calls, in-person visits and personal email. Implementers will utilize a CRM database to ensure current contact information and pertinent information for participating trade allies is maintained.

Additionally, the outreach strategy will compromise of tactics to maintain the active trade allies' participation in the programs. Those tactics will include development of marketing program materials for trade allies to use to sell to their customers, co-delivered advertising initiatives, and

[45] In 2019, Evergy Missouri ran a 10-week concentrated effort to identify, interview, recruit and provide tools and training for DBE trade allies to support Missouri energy efficiency programs with multiple documented lessons learned.

ongoing training through self-paced guides and hosted webinars. Outreach teams are also a key quality control for program delivery, as they work directly with allies to ensure customer service levels are maintained and that data is collected accurately.

Leverage Existing Education and Marketing Channels

It will be important to identify and leverage existing marketing to understand successes and obstacles within the Kansas State University's Engineering Extension Office to incorporate education channels to be most effective with marketing and expand reach as wide as possible, with well-planned EE series efforts. With Evergy's focus historically on residential and business customers, the Company has an opportunity to learn from the Kansas Energy Program on ways to further that outreach and engage educators and even students on energy efficiency. To leverage the work already underway, we will:

1. Conduct meetings with the Extension Office on current and past efforts
2. Look into upcoming opportunities and ideas on how to partner together
3. Understand how Evergy can help support the department goals through KEEIA
4. Identify case study or video series opportunities for energy efficiency education efforts

In addition to the Kansas Energy Program, Evergy will engage additional stakeholders to identify opportunities to best build on success and expand channels.

Program Startup and Procurement

Evergy has offered DSM programs to its customers under the MEEIA framework for nearly 10 years, therefore a benefit that can be shared with Kansas is that a program implementation structure is already well established. The structure is successful, highly functional and EM&Vs have concluded high customer satisfaction and cost-effective savings. The proposed portfolio of programs will be delivered by both internal Evergy staff and implementers. The Evergy Products and Services team has an experienced program management staff who will leverage existing procurement strategies to meet the program designs filed herein and collaborate with qualified implementation teams to provide support for such elements as program infrastructure development, staffing, materials development, outreach and/or required program services. Evergy's internal marketing team will work closely with implementers on integrated education and marketing strategy.

Implementer Selection and Management

Upon approval, Evergy will develop a startup calendar with key milestones, Evergy anticipates three months for procurement and contract negotiations to determine implementer partners. Evergy will evaluate current implementers and how it may leverage new implementers for approved programs.

In parallel with this effort, Evergy will begin building the infrastructure needed to offer approved programs. Evergy anticipates public facing engagement will also have a parallel roll-out to prioritize education programs. Startup schedules with key milestones will be developed and weekly meetings will be held to ensure progress on key items, such as operations manuals, IT and staffing infrastructure, along with other key elements prior to program launch.

Tracking Progress and Deliverables

Each program will be assigned supervision from Evergy's Energy Solutions team to ensure that program requirements, quality assurance, budgets and participation goals are being met and on track for delivery. Implementers will be required to deliver forecasted program schedules, budgets and program performance projections in advance of the program startup. Teams will report quantitative results no less than monthly to the Evergy's management team through secure electronic data transfer. Implementers will manage day to day operations, but key program decisions will be raised to the Evergy manager to ensure that all filed requirements are met. Customer service metrics and other key performance indicators will be developed between Evergy and the implementation teams to ensure quality of service for program consumers. Post participation surveys will be implemented where possible, to allow constant improvement and monitoring of implementor and trade ally program delivery.

Reporting and Stakeholder Feedback

Evergy believes in a process of constant feedback and improvement. It is expected that on a quarterly basis, Evergy will hold stakeholder updates on program process, including program launch schedule, annual forecasted performance and current program results. Stakeholders will be invited to attend these meetings and provide ideas and or feedback to enable program managers to adjust to conditions as they are identified. The feedback from customer engagement groups and other methods will be used to improve programs as they evolve. The incubator will also be leveraged as a cost-effective method to test new ideas, technologies or strategies that could improve program performance.

Appendix A. Detailed Program Descriptions

Appendix A provides the detail on key elements of each program in the portfolio.

Residential Programs

Whole Home Efficiency Program	
Program Description	Program designed to provide holistic financial incentives to residential customers, including single family and multi-family, to increase the incorporation of energy efficiency. The program consists of 3 components. Component 1: Home Comfort: Heating & Cooling – Customers that install efficient heating and cooling equipment by one of the programs authorized trade allies are eligible to receive rebates. Note: eligible efficient heating equipment must be "like for like" technology to existing technology. Insulation and Air Sealing – Customers that have completed a comprehensive energy audit by a Program authorized energy auditor are eligible to receive rebates with potential DIY installation incentives for insulation. On-bill Financing: Offer customers an on-bill financing solution for eligible measures. Rebates will also be available for multi-family common areas through the Whole Business Efficiency Program. Component 2: Home Products: Energy Efficient Products - Customers are eligible to receive incentives on energy efficiency products for the home through partner retailers on through an online marketplace. Appliance Recycling - Customers will have the opportunity to recycle old inefficient equipment such as refrigerators, freezers, and other small appliances that are high energy users. Shade Trees - Evergy will operate tree distributions free of charge during the appropriate season. School Education Kits - Evergy's teams will coordinate with local schools to provide interactive, educational program materials focused on energy efficiency and sustainability. Rebates will also be available for multi-family common areas through the Whole Business Efficiency Program. Component 3: No Cost Assessment & Discounted Energy Savings Kits: Free in person or virtual energy assessments with discounted energy efficient measures provided to residential single family and multi-family customers. This component also includes a personalized report for next best energy efficient actions and education of available resources and incentives.

Whole Home Efficiency Program

Target Market

All residential customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
9,742	15,445	18,691	20,008	3.6	5.8	7.8	8.3

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
4,238	6,662	7,801	8,339	1.4	2.2	2.8	3.0

Program Framework/Strategy

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$799.2	$1,288.6	$1,725.2	$1,831.5
Delivery	$337.5	$548.3	$674.4	$741.1
Administration	$43.5	$70.7	$87.0	$95.6
Evaluation	$54.4	$88.4	$108.8	$119.5

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$342.4	$543.1	$714.6	$760.6
Delivery	$142.8	$231.0	$275.7	$302.4
Administration	$18.4	$29.8	$35.6	$39.0
Evaluation	$23.0	$37.3	$44.5	$48.8

Whole Home Efficiency Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
901,696	1,410,421	1,526,261	1,636,128

Program Benefit–Cost Analysis [BF1][BF2]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
4.~~21~~	5.~~56~~	1.~~10~~	5.~~12~~	4.5

Kansas Metro

TRC	UCT	RIM	SCT	PCT
3.~~45~~	4.~~57~~	0.7	4.~~24~~	5.8

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Home Energy Education Program

Program Description	The Program will include online self-education tools, customer marketing, outreach communications, and in person events focused on community collaboration in areas where energy education is needed most. The program consists of 6 components. Component 1: Marketing for Residential Education – Deployment of a consistent and holistic communication plan to help customers understand how customers can participate in Evergy's programs. Component 2: Digital Tools (Online Education and Outreach) – Digital tools and communication of personalized energy savings recommendations. To include online self-service energy assessments designed to educate on the best efficiency improvement opportunities for the home. Component 3: Community Events – Evergy hosted in-person or virtually events with a concentrated focus to supporting customers who may have limited access to the internet. At these events we will educate, provide information, offer energy efficient products, and assist with program enrollment. Component 4: Rural Community Engagement – Enhanced customer outreach efforts aimed towards geographically hard to reach customers. Component 5: KS Low Income Leadership in Essential Services (LILIES) – Evergy will collaborate with various partners to assist in providing services to Income Eligible customers through the creation and evolution of a stronger network of support (focused on energy efficiency, home health and structural integrity). Component 6: Home Energy Education Report – Provides customers with energy reports explaining how their home is using energy and recommendations for improvement. The reports will be delivered in email and/or in paper format. Some module examples are: 1) similar home comparison 2) energy comparisons over time 3) energy efficiency tips and 4) utility program promotions An Income-Eligible version of the report will exist to help customers in need financially. Examples of modules for this report will include: 1) promotion of free direct installation of energy efficiency measures and energy assessments 2) low to no cost energy savings tips 3) utility billing assistance programs, and 4) promotion of community assistance programs

Home Energy Education Program

Target Market

All residential customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
1,363	3,438	5,551	7,003	0.2	0.6	1.0	1.2

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
627	1,576	2,536	3,189	0.1	0.3	0.4	0.6

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$626.7	$811.5	$1,022.1	$1,242.3
Delivery	$64.2	$63.7	$63.4	$63.3
Administration	$9.5	$9.4	$9.4	$9.3
Evaluation	$21.0	$20.9	$20.8	$20.8

Home Energy Education Program

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$250.2	$332.5	$425.8	$519.4
Delivery	$25.6	$26.1	$26.4	$26.5
Administration	$3.8	$3.9	$3.9	$3.9
Evaluation	$8.4	$8.6	$8.7	$8.7

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
13,561	34,179	55,133	69,479

Program Benefit–Cost Analysis [BF3][BF4]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
n/a	0.2	0.1	n/a	n/a

.Kansas Metro

TRC	UCT	RIM	SCT	PCT
n/a	0.2	0.1	n/a	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Home Demand Response Program

Program Description

The Program is designed to reduce load during peak periods through two components:

Component 1: Smart Thermostats – provide thermostats and/or rebates for thermostats that are capable to receive deploying demand response calls for a specified period of time. Evergy may elect to deploy various types of demand response technologies including, but not limited to:

1: cycling the compressor unit(s)
2: deploying stand-alone pre-cooling strategies
3: deploying a combination of pre-cooling and cycling strategies
4: deploying pre-cooling strategies

Component 2: Water Heater DLC - provide customers with a rebate to obtain water heater controllers that will optimize water heating usage and participation in DR events. This is similar to how smart thermostats operate for HVAC systems and will be called upon for curtailment for a specified period of time to turn off or cycle the water heater equipment.

Target Market

All residential customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
589	1,243	2,293	3,936	31.0	33.2	44.8	61.6

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
227	478	879	1,505	11.9	12.8	17.2	23.6

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Home Demand Response Program

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$1,677.7	$2,099.9	$3,558.8	$5,820.3
Delivery	$280.2	$289.0	$341.5	$442.7
Administration	$36.2	$37.3	$44.1	$57.1
Evaluation	$45.2	$46.6	$55.1	$71.4

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$645.3	$805.3	$1,360.6	$2,218.5
Delivery	$116.2	$113.1	$133.5	$172.6
Administration	$15.0	$14.6	$17.2	$22.3
Evaluation	$18.7	$18.2	$21.5	$27.8

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	PY2	PY3	PY4
53,389	45,087	50,570	56,525

Program Benefit–Cost Analysis [BF5][BF6]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
8.04	0.91~~.0~~	0.9	8.04	n/a

Kansas Metro

TRC	UCT	RIM	SCT	PCT
7.17	0.9	0.89	7.17	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Hard-To-Reach (HTR) Homes Program

Program Description	Program is designed to deliver long-term energy savings to income-eligible single and multi-family customers, specifically focusing on rural customers. This will be achieved through increasing the awareness and educational outreach to customers, property managers and owners about their energy usage, installing energy savings measures and providing financial incentives. The program consists of four components: Component 1: Enhanced Home Comfort: Heating & Cooling – Customers that install efficient heating and cooling equipment by one of the programs authorized trade allies are eligible to receive enhanced rebates. Note: eligible efficient heating equipment must be like technology to existing technology. Insulation and Air Sealing – Customers that have completed a comprehensive energy audit by a Program authorized energy auditor are eligible to receive enhanced rebates with potential DIY installation incentives for insulation. Evergy may also offer an on-bill financing solution for eligible measures. Component 2: Enhanced Home Products: Energy Efficient Products - Customers are eligible to receive enhanced incentives on energy efficiency products for the home through partner retailers on through an online marketplace. Appliance Recycling - Customers will have the opportunity to recycle old inefficient equipment such as refrigerators, freezers, and other small appliances that are high energy users. Shade Trees - Evergy will operate tree distributions free of charge during the appropriate season. School Education Kits - Evergy's teams will coordinate with local schools to provide interactive, educational program materials focused on energy efficiency and sustainability. Component 3: No Cost Energy Assessment & Free Energy Savings Kit - Energy efficient measures provided and/or installed in tenant units of multi-family building by the Company to include energy assessments. Component 4: Weatherization assistance: Continued support of federal weatherization program delivered and implemented through local agencies such as Kansas Housing Resources Center.

Hard-To-Reach (HTR) Homes Program

Target Market	Single Family: Components 2 & 3 (Enhanced Home Products and No Cost Energy Assessment & Free Energy Savings Kit) Eligibility Requirement: Home Location. Location in a census tract we identify as low- income, using HUD's annually published "Qualified Census Tracts" as a starting point. Components 1 & 4 (Enhanced Home Comfort & Weatherization Assistance) Eligibility Requirements: Income information. The Customer meets the eligibility requirements set forth in the Department of Energy (DOE) guidelines, or may elect to use the U.S. Department of Health & Human Services (HHS) Low-Income Energy Assistance Program (LIHEAP) criteria of state median income. In addition, applicant must meet other eligibility requirements defined in the agreement between the Company and Social Service Agency. Multi-Family (at least one of the below): Participation in an affordable housing program. Documented participation in a federal, state or local affordable housing program, including LIHTC, HUD, USDA, State HFA and local tax abatement for low-income properties. Location in a low-income census tract. Location in a census tract we identify as low-income, using HUD's annually published "Qualified Census Tracts" as a starting point. Rent roll documentation. Where at least 50 percent of units have rents affordable to households at or below 80% of area median income, as published annually by HUD. Tenant income information. Documented tenant income information demonstrating at least 50 percent of units are rented to households meeting one of these criteria: at or below 200 percent of the Federal poverty level or at or below 80% of area median income. Participation in the Weatherization Assistance Program. Documented information demonstrating the property is on the waiting list for, currently participating in, or has in the last five years participated in the Weatherization Assistance Program.

Hard-To-Reach (HTR) Homes Program

Program Goal

Expected energy and demand savings – 2023 - 2026
Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
3,849	4,619	5,700	5,347	1.9	2.4	3.1	3.0

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
1,041	1,290	1,591	1,505	0.5	0.6	0.8	0.8

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$2,043.9	$2,256.1	$2,472.6	$2,125.0
Delivery	$168.4	$213.9	$276.3	$274.6
Administration	$21.7	$27.6	$35.7	$35.4
Evaluation	$27.2	$34.5	$44.6	$44.3

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$620.6	$750.8	$856.5	$773.4
Delivery	$48.4	$62.3	$78.1	$77.8
Administration	$6.3	$8.0	$10.1	$10.0
Evaluation	$7.8	$10.1	$12.6	$12.5

Hard-To-Reach (HTR) Homes Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
252,061	308,014	308,293	299,803

Program Benefit–Cost Analysis [BF7][BF8]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
1.9	1.7	0.8	2.45 ~~5~~	2.5

Kansas Metro

TRC	UCT	RIM	SCT	PCT
1.34 ~~4~~	1.2	0.5	1.78 ~~8~~	2.5

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Business Programs

Whole Business Efficiency Program

Program Description

Program designed to encourage more effective utilization of electric energy by offering incentives for Energy Efficiency improvements which are available at the time of new equipment purchases, facility modernization, and industrial process improvement. Projects can be new construction or retrofits.
The Program encompasses Business Comfort, Business Operational, Business Products, and New Construction Components. Measures include, but are not limited to, the following equipment types:
• Lighting and Controls
• Motors, Pumps and Variable Frequency Drives
• Air Compressors
• HVAC (Heating, Ventilation and Air-Conditioning)
• Food Service and Refrigeration

Target Market

All business customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
16,920	25,395	26,375	24,972	6.4	9.3	9.1	8.1

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
7,153	10,834	11,403	11,051	2.6	3.8	3.7	3.5

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Whole Business Efficiency Program

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$2,919.1	$4,306.2	$4,233.2	$3,929.3
Delivery	$1,642.6	$2,462.4	$2,536.1	$2,455.6
Administration	$212.0	$317.7	$327.2	$316.9
Evaluation	$264.9	$397.2	$409.1	$396.1

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$915.7	$1,370.6	$1,407.3	$1,328.2
Delivery	$508.0	$761.4	$788.1	$768.0
Administration	$65.5	$98.2	$101.7	$99.1
Evaluation	$81.9	$122.8	$127.1	$123.9

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	PY2	PY3	PY4
759,866	1,161,884	1,207,877	1,174,841

Program Benefit–Cost Analysis [BF9][BF10]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
1.~~78~~	3.0	2.1	2.~~23~~	0.7

Kansas Metro

TRC	UCT	RIM	SCT	PCT
1.~~56~~	3.34	1.3	~~2.01~~.9	1.1

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Business Energy Education Program	
Program Description	Program provides educational services and resources to drive energy efficiency improvements to a variety of business customers. The program will include online tools to help customers identify energy savings opportunities as well as marketing efforts to promote and educate customers and trade allies. The program will also include Building Operator Certification courses. The program consists of 5 components. Component 1: Customer Facing Education Marketing - Will involve deployment of a consistent and holistic communication plan to help customers understand our purpose and outline how they can participate in our programs across the business portfolio. Component 2: Building Operator Education – Education opportunities for Building Operator Certification® (BOC), which is the leading training and certification program for building engineers and maintenance personnel. Courses will include both Level I (Building Systems Maintenance) and Level II (Improving Building Operational Performance). Component 3: Small Business Behavioral – Offers digital tools and communication of personalized energy savings recommendations. This will include online self-service education tools that are customizable by business type to educate customers on the best improvement opportunities for their business. This component uses targeted energy awareness outreach to change behavior and focuses on small businesses that typically have limited resources in identifying and implementing energy savings opportunities. Component 4: Community Events – Engagement withing our communities with hosted in-person and/or virtual events by Evergy to build trust and lasting relationships within the communities we serve. The objective of this component is to meet customers where they are in the community and show our commitment towards their individual needs. Evergy will focus on supporting small business customers. We will utilize these opportunities to educate, provide information and assist with program enrollment. Component 5: Rural Community Engagement – Evergy will conduct enhanced customer research and targeted outreach efforts aimed towards geographically hard to reach customers. The component is designed to create equity for customers who are often not reached by traditional program communications.
Target Market	All business customers

Business Energy Education Program

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings

Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
920	2,313	3,250	4,077	0.2	0.6	0.8	1.1

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
66	166	232	289	0.0	0.0	0.1	0.1

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$1,098.7	$1,458.3	$1,653.7	$1,828.0
Delivery	$206.8	$202.3	$202.2	$202.6
Administration	$28.5	$27.9	$27.9	$27.9
Evaluation	$49.9	$48.8	$48.8	$48.9

Kansas Metro

Business Energy Education Program

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$260.8	$358.8	$415.3	$465.6
Delivery	$49.1	$49.8	$50.8	$51.6
Administration	$6.8	$6.9	$7.0	$7.1
Evaluation	$11.8	$12.0	$12.3	$12.5

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
1,625	4,096	5,779	7,281

Program Benefit–Cost Analysis [BF11][BF12]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
n/a	0.1	0.1	n/a	n/a

Kansas Metro

TRC	UCT	RIM	SCT	PCT
n/a	0.0	0.0	n/a	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Business Demand Response (BDR) Program

Program Description	Program designed to reduce Participant load during peak periods to improve system reliability, offset forecasted system peaks that could result in future generation capacity additions, and/or provide a more economical option to generation or purchasing energy in the wholesale market. Participant curtailment may be requested for any of these operational or economic reasons as determined by the Company. The Company will determine the most beneficial timing and length of curtailment events during the curtailment season, is not required to curtail all Participants simultaneously, and may elect to only call individual participants and/or stagger Participants as deemed appropriate. The Company also reserves the right to apply minimum and/or maximum event performance requirements for incentive payment, to apply financial bonuses or penalties and to terminate Participation Agreements for non-compliance. For the purpose of this program only, and at the Company's option, a Participant with multiple accounts may request that some or all of its accounts be aggregated in one Participation Agreement. The aggregated Participant account will be treated as a single account for purposes of calculating potential Program incentive payments. The Aggregator is responsible for all of their independent customer contracts; no minimum customer account requirements apply. Aggregator must maintain a minimum aggregated load as stated in their Aggregator Participation Agreement to maintain Program eligibility. This Program may be executed by manual and/or automated demand response methods: 1) Manual Demand Response (DR) A Customer with load curtailment potential during the Curtailment Season and designated Curtailment hours enrolls directly with the Company Program Administrator or Aggregator to participate. The Company or Program Administrator evaluates a Customer's metered usage data from the most recent Curtailment Season and gathers site specific information from the Participant to establish their curtailment plan and estimated associated curtailable load (kW). The Participant/Aggregator enrolls this curtailable load in the Program by executing their Participation Agreement. The Participant receives an event notice from the Company in advance of scheduled curtailment events and they manually execute their facility curtailment plan to curtail at least their enrolled curtailable load for the duration of the curtailment event.

Business Demand Response (BDR) Program

2) Automated Demand Response (ADR)
A Customer with load curtailment potential during the Curtailment Season and designated Curtailment hours enrolls with the Administrator or Aggregator. But, rather than manual execution of their load curtailment plan, the Participant's building/energy management system (BMS/EMS) or facility automation system is used to execute their curtailment plan. The Participant or Aggregator receives the curtailment event notice from the Company and integrates the utility's event calling system with their EMS. This connection will automate pre-programmed usage adjustments to respond to demand response events.

Participation Agreements

There will be two versions of Program Participation Agreements ("Agreement"). Customers enrolling with the Administrator will have a customer Agreement between the customer and the Program. Aggregators will have an aggregator Agreement between the Program and the Aggregator. Multi-year participation Agreements will be re-evaluated annually or at any time the Company has data indicating the terms of the participation Agreement cannot be fulfilled by the Participant.

Event Performance and Incentives
The Company will employ a calculated baseline load (CBL) methodology to determine participant demand savings associated with a demand response curtailment event. A CBL approach applies a model or algorithm to develop a customer-specific baseline for each day from historic metered usage data that is then used to forecast load impacts for each hour of the event absent a curtailment event. This baseline is calibrated to best match recent operational and/or weather patterns. This baseline is then compared to the actual metered average hourly demand during the curtailment event. The difference between the forecasted hourly baseline and the actual metered hourly usage during the event equals the hourly kW impact of the event. All kW will be calculated as a whole number. The Seasonal hourly average kW achieved divided by the kW enrolled is the Participant's % kW achieved. The Company will pay the Participant or Aggregator for their achieved Seasonal average percent of their enrolled Curtailable load within the established floor and cap as detailed in their Agreement.

Business Demand Response (BDR) Program

Target Market

All medium and large business customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
-	-	-	-	7.1	16.0	28.7	47.2

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
-	-	-	-	3.5	7.9	14.0	23.0

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$260.9	$600.6	$1,102.3	$1,859.1
Delivery	$149.3	$364.3	$650.8	$1,082.8
Administration	$19.3	$47.0	$84.0	$139.7
Evaluation	$24.1	$58.8	$105.0	$174.6

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$75.6	$173.7	$318.1	$535.1
Delivery	$44.1	$107.9	$193.5	$321.2
Administration	$5.7	$13.9	$25.0	$41.4
Evaluation	$7.1	$17.4	$31.2	$51.8

Business Demand Response (BDR) Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
243	303	432	631

Program Benefit–Cost Analysis [BF13][BF14]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
~~3.0~~2.8	1.2~~3~~	1.2~~3~~	~~3.0~~2.8	n/a

.Kansas Metro

TRC	UCT	RIM	SCT	PCT
4.1~~5~~	~~2.0~~1.8	~~2.0~~1.8	4.1~~5~~	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Hard-to-Reach Business Program	
Program Description	Program provides enhanced incentive values and services to small business and nonprofit customers. Projects can include new construction and retrofits and can include, but not limited to lighting, lighting controls, and HVAC (Heating, Ventilation and Air Conditioning). The program will also include a direct install component and free energy assessments. The Program includes five components: 1) Enhanced Business Comfort – increased rebates (noted in Section 5.1) or no cost upgrades for small businesses and nonprofits. 2) Enhanced Business Operational - increased rebates (noted in Section 5.1) or no cost upgrades for small businesses and nonprofits. 3) Enhanced Business Products – increased rebates (noted in Section 5.1) or no cost products for small businesses and nonprofits. 4) Enhanced New Construction - increased rebates (noted in Section 5.1) or no cost products for new construction projects for small businesses and nonprofits. 5) No Cost Energy Assessment and Free Energy Savings Kits – available for small businesses and nonprofits along with customers residing in rural areas. When location makes it difficult to send support staff, the kits with the needed items identified during a virtual assessment will be mailed. These kits also include a customized report summarizing the assessment findings with additional opportunities for assistance as needed. A pre-determined capped amount may be applied for direct install projects, with additional incentives available through the Hard-to-Reach Standard program other HTR options once the cap is met.
Target Market	Small Business HTR Qualification Criteria: Small Business Hard-to-Reach customers will be defined as customers who use less than 1.5 million kWh annually, or less than 100 kW in annual demand. Nonprofit HTR Qualification Criteria: Nonprofit organizations who meet the following requirements are eligible - • Organizations in 501(c)3 status and in good standing • Organization must serve low-income individuals and families • Organization must own the facility and be responsible for paying the energy bills

Hard-to-Reach Business Program

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings

Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
7,734	9,150	9,915	9,960	1.8	2.1	2.2	2.2

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
2,604	3,052	3,188	3,175	0.6	0.7	0.7	0.7

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$2,243.9	$2,715.0	$2,967.9	$3,053.9
Delivery	$949.5	$1,124.0	$1,206.7	$1,224.7
Administration	$122.5	$145.0	$155.7	$158.0
Evaluation	$153.1	$181.3	$194.6	$197.5

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$743.5	$894.2	$962.1	$982.6
Delivery	$317.5	$373.8	$391.7	$400.1
Administration	$41.0	$48.2	$50.5	$51.6
Evaluation	$51.2	$60.3	$63.2	$64.5

Hard-to-Reach Business Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
121,189	142,376	145,152	145,510

Program Benefit–Cost Analysis [BF15][BF16]

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
1.5	1.5	1.2	1.9	1.2

Kansas Metro

TRC	UCT	RIM	SCT	PCT
1.3	1.34	0.8	1.7	1.8

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Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Pilot Incubator

Program Description	Program is designed to focus on research and innovation of new programs, measures and concepts and improving current programs to drive better results. The program will provide the Company with a screening and evaluation mechanism to accomplish this and allow the Company flexibility to explore and research various ideas and concepts outside of the traditional DSM model to roll out for customer commercialization as deemed appropriate. The pilot incubator has three major stages, identifying concepts, validating ideas and integrating those evaluated designs into the main programs. Failing or succeeding with ideas quickly in a landscape where revision is allowed and expected, is less expensive than experimenting at scale, managing resources responsibly while creating the ability to transform programs to meet the changing needs of customers and ever evolving technologies.
Target Market	All customers
Program Goal	N/A
Program Framework/Strategy,	• *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.* • *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.* • *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)* • *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*
Estimated Program Budget	Estimated Annual Budget – Confidential Kansas Central

Budget ($000s)	PY1	PY2	PY3	PY4
Total	$958.8	$1,279.9	$1,501.1	$1,712.1

Kansas Metro

Budget ($000s)	PY1	PY2	PY3	PY4
Total	$288.1	$391.4	$470.3	$544.6

Pilot Incubator	
Program Beneficiaries	N/A
Program Benefit–Cost Analysis	N/A
Program Evaluation, Measurement and Verification (EM&V) plan	*For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.*

Appendix A. Detailed Program Descriptions

Appendix A provides the detail on key elements of each program in the portfolio.

Residential Programs

Whole Home Efficiency Program	
Program Description	Program designed to provide holistic financial incentives to residential customers, including single family and multi-family, to increase the incorporation of energy efficiency. The program consists of 3 components. Component 1: Home Comfort: Heating & Cooling – Customers that install efficient heating and cooling equipment by one of the programs authorized trade allies are eligible to receive rebates. Note: eligible efficient heating equipment must be "like for like" technology to existing technology. Insulation and Air Sealing – Customers that have completed a comprehensive energy audit by a Program authorized energy auditor are eligible to receive rebates with potential DIY installation incentives for insulation. On-bill Financing: Offer customers an on-bill financing solution for eligible measures. Rebates will also be available for multi-family common areas through the Whole Business Efficiency Program. Component 2: Home Products: Energy Efficient Products - Customers are eligible to receive incentives on energy efficiency products for the home through partner retailers on through an online marketplace. Appliance Recycling - Customers will have the opportunity to recycle old inefficient equipment such as refrigerators, freezers, and other small appliances that are high energy users. Shade Trees - Evergy will operate tree distributions free of charge during the appropriate season. School Education Kits - Evergy's teams will coordinate with local schools to provide interactive, educational program materials focused on energy efficiency and sustainability. Rebates will also be available for multi-family common areas through the Whole Business Efficiency Program. Component 3: No Cost Assessment & Discounted Energy Savings Kits: Free in person or virtual energy assessments with discounted energy efficient measures provided to residential single family and multi-family customers. This component also includes a personalized report for next best energy efficient actions and education of available resources and incentives.

Whole Home Efficiency Program

Target Market

All residential customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
9,742	15,445	18,691	20,008	3.6	5.8	7.8	8.3

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
4,238	6,662	7,801	8,339	1.4	2.2	2.8	3.0

Program Framework/Strategy

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$799.2	$1,288.6	$1,725.2	$1,831.5
Delivery	$337.5	$548.3	$674.4	$741.1
Administration	$43.5	$70.7	$87.0	$95.6
Evaluation	$54.4	$88.4	$108.8	$119.5

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$342.4	$543.1	$714.6	$760.6
Delivery	$142.8	$231.0	$275.7	$302.4
Administration	$18.4	$29.8	$35.6	$39.0
Evaluation	$23.0	$37.3	$44.5	$48.8

Whole Home Efficiency Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
901,696	1,410,421	1,526,261	1,636,128

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
4.1	5.5	1.0	5.1	4.5

Kansas Metro

TRC	UCT	RIM	SCT	PCT
3.4	4.5	0.7	4.2	5.8

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Home Energy Education Program

Program Description	The Program will include online self-education tools, customer marketing, outreach communications, and in person events focused on community collaboration in areas where energy education is needed most. The program consists of 6 components. Component 1: Marketing for Residential Education – Deployment of a consistent and holistic communication plan to help customers understand how customers can participate in Evergy's programs. Component 2: Digital Tools (Online Education and Outreach) – Digital tools and communication of personalized energy savings recommendations. To include online self-service energy assessments designed to educate on the best efficiency improvement opportunities for the home. Component 3: Community Events – Evergy hosted in-person or virtually events with a concentrated focus to supporting customers who may have limited access to the internet. At these events we will educate, provide information, offer energy efficient products, and assist with program enrollment. Component 4: Rural Community Engagement – Enhanced customer outreach efforts aimed towards geographically hard to reach customers. Component 5: KS Low Income Leadership in Essential Services (LILIES) – Evergy will collaborate with various partners to assist in providing services to Income Eligible customers through the creation and evolution of a stronger network of support (focused on energy efficiency, home health and structural integrity). Component 6: Home Energy Education Report – Provides customers with energy reports explaining how their home is using energy and recommendations for improvement. The reports will be delivered in email and/or in paper format. Some module examples are: 1) similar home comparison 2) energy comparisons over time 3) energy efficiency tips and 4) utility program promotions An Income-Eligible version of the report will exist to help customers in need financially. Examples of modules for this report will include: 1) promotion of free direct installation of energy efficiency measures and energy assessments 2) low to no cost energy savings tips 3) utility billing assistance programs, and 4) promotion of community assistance programs

Home Energy Education Program

Target Market

All residential customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
1,363	3,438	5,551	7,003	0.2	0.6	1.0	1.2

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
627	1,576	2,536	3,189	0.1	0.3	0.4	0.6

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$626.7	$811.5	$1,022.1	$1,242.3
Delivery	$64.2	$63.7	$63.4	$63.3
Administration	$9.5	$9.4	$9.4	$9.3
Evaluation	$21.0	$20.9	$20.8	$20.8

Home Energy Education Program

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$250.2	$332.5	$425.8	$519.4
Delivery	$25.6	$26.1	$26.4	$26.5
Administration	$3.8	$3.9	$3.9	$3.9
Evaluation	$8.4	$8.6	$8.7	$8.7

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
13,561	34,179	55,133	69,479

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
n/a	0.2	0.1	n/a	n/a

.Kansas Metro

TRC	UCT	RIM	SCT	PCT
n/a	0.2	0.1	n/a	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Home Demand Response Program

Program Description

The Program is designed to reduce load during peak periods through two components:

Component 1: Smart Thermostats – provide thermostats and/or rebates for thermostats that are capable to receive deploying demand response calls for a specified period of time. Evergy may elect to deploy various types of demand response technologies including, but not limited to:

1: cycling the compressor unit(s)
2: deploying stand-alone pre-cooling strategies
3: deploying a combination of pre-cooling and cycling strategies
4: deploying pre-cooling strategies

Component 2: Water Heater DLC - provide customers with a rebate to obtain water heater controllers that will optimize water heating usage and participation in DR events. This is similar to how smart thermostats operate for HVAC systems and will be called upon for curtailment for a specified period of time to turn off or cycle the water heater equipment.

Target Market

All residential customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
589	1,243	2,293	3,936	31.0	33.2	44.8	61.6

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
227	478	879	1,505	11.9	12.8	17.2	23.6

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Home Demand Response Program

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$1,677.7	$2,099.9	$3,558.8	$5,820.3
Delivery	$280.2	$289.0	$341.5	$442.7
Administration	$36.2	$37.3	$44.1	$57.1
Evaluation	$45.2	$46.6	$55.1	$71.4

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$645.3	$805.3	$1,360.6	$2,218.5
Delivery	$116.2	$113.1	$133.5	$172.6
Administration	$15.0	$14.6	$17.2	$22.3
Evaluation	$18.7	$18.2	$21.5	$27.8

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	PY2	PY3	PY4
53,389	45,087	50,570	56,525

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
8.0	0.9	0.9	8.0	n/a

Kansas Metro

TRC	UCT	RIM	SCT	PCT
7.1	0.9	0.8	7.1	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Hard-To-Reach (HTR) Homes Program

Program Description	Program is designed to deliver long-term energy savings to income-eligible single and multi-family customers, specifically focusing on rural customers. This will be achieved through increasing the awareness and educational outreach to customers, property managers and owners about their energy usage, installing energy savings measures and providing financial incentives. The program consists of four components: Component 1: Enhanced Home Comfort: Heating & Cooling – Customers that install efficient heating and cooling equipment by one of the programs authorized trade allies are eligible to receive enhanced rebates. Note: eligible efficient heating equipment must be like technology to existing technology. Insulation and Air Sealing – Customers that have completed a comprehensive energy audit by a Program authorized energy auditor are eligible to receive enhanced rebates with potential DIY installation incentives for insulation. Evergy may also offer an on-bill financing solution for eligible measures. Component 2: Enhanced Home Products: Energy Efficient Products - Customers are eligible to receive enhanced incentives on energy efficiency products for the home through partner retailers on through an online marketplace. Appliance Recycling - Customers will have the opportunity to recycle old inefficient equipment such as refrigerators, freezers, and other small appliances that are high energy users. Shade Trees - Evergy will operate tree distributions free of charge during the appropriate season. School Education Kits - Evergy's teams will coordinate with local schools to provide interactive, educational program materials focused on energy efficiency and sustainability. Component 3: No Cost Energy Assessment & Free Energy Savings Kit - Energy efficient measures provided and/or installed in tenant units of multi-family building by the Company to include energy assessments. Component 4: Weatherization assistance: Continued support of federal weatherization program delivered and implemented through local agencies such as Kansas Housing Resources Center.

Hard-To-Reach (HTR) Homes Program	
Target Market	<u>Single Family:</u> Components 2 & 3 (Enhanced Home Products and No Cost Energy Assessment & Free Energy Savings Kit) Eligibility Requirement: Home Location. Location in a census tract we identify as low- income, using HUD's annually published "Qualified Census Tracts" as a starting point. Components 1 & 4 (Enhanced Home Comfort & Weatherization Assistance) Eligibility Requirements: Income information. The Customer meets the eligibility requirements set forth in the Department of Energy (DOE) guidelines, or may elect to use the U.S. Department of Health & Human Services (HHS) Low-Income Energy Assistance Program (LIHEAP) criteria of state median income. In addition, applicant must meet other eligibility requirements defined in the agreement between the Company and Social Service Agency. <u>Multi-Family (at least one of the below):</u> Participation in an affordable housing program. Documented participation in a federal, state or local affordable housing program, including LIHTC, HUD, USDA, State HFA and local tax abatement for low-income properties. Location in a low-income census tract. Location in a census tract we identify as low-income, using HUD's annually published "Qualified Census Tracts" as a starting point. Rent roll documentation. Where at least 50 percent of units have rents affordable to households at or below 80% of area median income, as published annually by HUD. Tenant income information. Documented tenant income information demonstrating at least 50 percent of units are rented to households meeting one of these criteria: at or below 200 percent of the Federal poverty level or at or below 80% of area median income. Participation in the Weatherization Assistance Program. Documented information demonstrating the property is on the waiting list for, currently participating in, or has in the last five years participated in the Weatherization Assistance Program.

Hard-To-Reach (HTR) Homes Program

Program Goal

Expected energy and demand savings – 2023 - 2026
Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
3,849	4,619	5,700	5,347	1.9	2.4	3.1	3.0

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
1,041	1,290	1,591	1,505	0.5	0.6	0.8	0.8

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$2,043.9	$2,256.1	$2,472.6	$2,125.0
Delivery	$168.4	$213.9	$276.3	$274.6
Administration	$21.7	$27.6	$35.7	$35.4
Evaluation	$27.2	$34.5	$44.6	$44.3

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$620.6	$750.8	$856.5	$773.4
Delivery	$48.4	$62.3	$78.1	$77.8
Administration	$6.3	$8.0	$10.1	$10.0
Evaluation	$7.8	$10.1	$12.6	$12.5

Hard-To-Reach (HTR) Homes Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
252,061	308,014	308,293	299,803

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
1.9	1.7	0.8	2.4	2.5

Kansas Metro

TRC	UCT	RIM	SCT	PCT
1.3	1.2	0.5	1.7	2.5

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Business Programs

Whole Business Efficiency Program

Program Description

Program designed to encourage more effective utilization of electric energy by offering incentives for Energy Efficiency improvements which are available at the time of new equipment purchases, facility modernization, and industrial process improvement. Projects can be new construction or retrofits.
The Program encompasses Business Comfort, Business Operational, Business Products, and New Construction Components. Measures include, but are not limited to, the following equipment types:

- Lighting and Controls
- Motors, Pumps and Variable Frequency Drives
- Air Compressors
- HVAC (Heating, Ventilation and Air-Conditioning)
- Food Service and Refrigeration

Target Market

All business customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
16,920	25,395	26,375	24,972	6.4	9.3	9.1	8.1

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
7,153	10,834	11,403	11,051	2.6	3.8	3.7	3.5

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Whole Business Efficiency Program

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$2,919.1	$4,306.2	$4,233.2	$3,929.3
Delivery	$1,642.6	$2,462.4	$2,536.1	$2,455.6
Administration	$212.0	$317.7	$327.2	$316.9
Evaluation	$264.9	$397.2	$409.1	$396.1

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$915.7	$1,370.6	$1,407.3	$1,328.2
Delivery	$508.0	$761.4	$788.1	$768.0
Administration	$65.5	$98.2	$101.7	$99.1
Evaluation	$81.9	$122.8	$127.1	$123.9

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	PY2	PY3	PY4
759,866	1,161,884	1,207,877	1,174,841

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
1.7	3.0	2.1	2.2	0.7

Kansas Metro

TRC	UCT	RIM	SCT	PCT
1.5	3.3	1.3	1.9	1.1

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Business Energy Education Program	
Program Description	Program provides educational services and resources to drive energy efficiency improvements to a variety of business customers. The program will include online tools to help customers identify energy savings opportunities as well as marketing efforts to promote and educate customers and trade allies. The program will also include Building Operator Certification courses. The program consists of 5 components. Component 1: Customer Facing Education Marketing - Will involve deployment of a consistent and holistic communication plan to help customers understand our purpose and outline how they can participate in our programs across the business portfolio. Component 2: Building Operator Education – Education opportunities for Building Operator Certification® (BOC), which is the leading training and certification program for building engineers and maintenance personnel. Courses will include both Level I (Building Systems Maintenance) and Level II (Improving Building Operational Performance). Component 3: Small Business Behavioral – Offers digital tools and communication of personalized energy savings recommendations. This will include online self-service education tools that are customizable by business type to educate customers on the best improvement opportunities for their business. This component uses targeted energy awareness outreach to change behavior and focuses on small businesses that typically have limited resources in identifying and implementing energy savings opportunities. Component 4: Community Events – Engagement withing our communities with hosted in-person and/or virtual events by Evergy to build trust and lasting relationships within the communities we serve. The objective of this component is to meet customers where they are in the community and show our commitment towards their individual needs. Evergy will focus on supporting small business customers. We will utilize these opportunities to educate, provide information and assist with program enrollment. Component 5: Rural Community Engagement – Evergy will conduct enhanced customer research and targeted outreach efforts aimed towards geographically hard to reach customers. The component is designed to create equity for customers who are often not reached by traditional program communications.
Target Market	All business customers

Business Energy Education Program

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings

Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
920	2,313	3,250	4,077	0.2	0.6	0.8	1.1

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
66	166	232	289	0.0	0.0	0.1	0.1

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$1,098.7	$1,458.3	$1,653.7	$1,828.0
Delivery	$206.8	$202.3	$202.2	$202.6
Administration	$28.5	$27.9	$27.9	$27.9
Evaluation	$49.9	$48.8	$48.8	$48.9

Kansas Metro

Business Energy Education Program

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$260.8	$358.8	$415.3	$465.6
Delivery	$49.1	$49.8	$50.8	$51.6
Administration	$6.8	$6.9	$7.0	$7.1
Evaluation	$11.8	$12.0	$12.3	$12.5

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	PY2	PY3	PY4
1,625	4,096	5,779	7,281

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
n/a	0.1	0.1	n/a	n/a

Kansas Metro

TRC	UCT	RIM	SCT	PCT
n/a	0.0	0.0	n/a	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Business Demand Response (BDR) Program

Program Description	Program designed to reduce Participant load during peak periods to improve system reliability, offset forecasted system peaks that could result in future generation capacity additions, and/or provide a more economical option to generation or purchasing energy in the wholesale market. Participant curtailment may be requested for any of these operational or economic reasons as determined by the Company. The Company will determine the most beneficial timing and length of curtailment events during the curtailment season, is not required to curtail all Participants simultaneously, and may elect to only call individual participants and/or stagger Participants as deemed appropriate. The Company also reserves the right to apply minimum and/or maximum event performance requirements for incentive payment, to apply financial bonuses or penalties and to terminate Participation Agreements for non-compliance. For the purpose of this program only, and at the Company's option, a Participant with multiple accounts may request that some or all of its accounts be aggregated in one Participation Agreement. The aggregated Participant account will be treated as a single account for purposes of calculating potential Program incentive payments. The Aggregator is responsible for all of their independent customer contracts; no minimum customer account requirements apply. Aggregator must maintain a minimum aggregated load as stated in their Aggregator Participation Agreement to maintain Program eligibility. This Program may be executed by manual and/or automated demand response methods: 1) Manual Demand Response (DR) A Customer with load curtailment potential during the Curtailment Season and designated Curtailment hours enrolls directly with the Company Program Administrator or Aggregator to participate. The Company or Program Administrator evaluates a Customer's metered usage data from the most recent Curtailment Season and gathers site specific information from the Participant to establish their curtailment plan and estimated associated curtailable load (kW). The Participant/Aggregator enrolls this curtailable load in the Program by executing their Participation Agreement. The Participant receives an event notice from the Company in advance of scheduled curtailment events and they manually execute their facility curtailment plan to curtail at least their enrolled curtailable load for the duration of the curtailment event.

Business Demand Response (BDR) Program

2) Automated Demand Response (ADR)
A Customer with load curtailment potential during the Curtailment Season and designated Curtailment hours enrolls with the Administrator or Aggregator. But, rather than manual execution of their load curtailment plan, the Participant's building/energy management system (BMS/EMS) or facility automation system is used to execute their curtailment plan. The Participant or Aggregator receives the curtailment event notice from the Company and integrates the utility's event calling system with their EMS. This connection will automate pre-programmed usage adjustments to respond to demand response events.

Participation Agreements

There will be two versions of Program Participation Agreements ("Agreement"). Customers enrolling with the Administrator will have a customer Agreement between the customer and the Program. Aggregators will have an aggregator Agreement between the Program and the Aggregator. Multi-year participation Agreements will be re-evaluated annually or at any time the Company has data indicating the terms of the participation Agreement cannot be fulfilled by the Participant.

Event Performance and Incentives
The Company will employ a calculated baseline load (CBL) methodology to determine participant demand savings associated with a demand response curtailment event. A CBL approach applies a model or algorithm to develop a customer-specific baseline for each day from historic metered usage data that is then used to forecast load impacts for each hour of the event absent a curtailment event. This baseline is calibrated to best match recent operational and/or weather patterns. This baseline is then compared to the actual metered average hourly demand during the curtailment event. The difference between the forecasted hourly baseline and the actual metered hourly usage during the event equals the hourly kW impact of the event. All kW will be calculated as a whole number. The Seasonal hourly average kW achieved divided by the kW enrolled is the Participant's % kW achieved. The Company will pay the Participant or Aggregator for their achieved Seasonal average percent of their enrolled Curtailable load within the established floor and cap as detailed in their Agreement.

Business Demand Response (BDR) Program

Target Market

All medium and large business customers

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings
Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
-	-	-	-	7.1	16.0	28.7	47.2

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
-	-	-	-	3.5	7.9	14.0	23.0

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential
Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$260.9	$600.6	$1,102.3	$1,859.1
Delivery	$149.3	$364.3	$650.8	$1,082.8
Administration	$19.3	$47.0	$84.0	$139.7
Evaluation	$24.1	$58.8	$105.0	$174.6

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$75.6	$173.7	$318.1	$535.1
Delivery	$44.1	$107.9	$193.5	$321.2
Administration	$5.7	$13.9	$25.0	$41.4
Evaluation	$7.1	$17.4	$31.2	$51.8

Business Demand Response (BDR) Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
243	303	432	631

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.
Kansas Central

TRC	UCT	RIM	SCT	PCT
2.8	1.2	1.2	2.8	n/a

.Kansas Metro

TRC	UCT	RIM	SCT	PCT
4.1	1.8	1.8	4.1	n/a

Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Hard-to-Reach Business Program	
Program Description	Program provides enhanced incentive values and services to small business and nonprofit customers. Projects can include new construction and retrofits and can include, but not limited to lighting, lighting controls, and HVAC (Heating, Ventilation and Air Conditioning). The program will also include a direct install component and free energy assessments. The Program includes five components: 1) Enhanced Business Comfort – increased rebates (noted in Section 5.1) or no cost upgrades for small businesses and nonprofits. 2) Enhanced Business Operational - increased rebates (noted in Section 5.1) or no cost upgrades for small businesses and nonprofits. 3) Enhanced Business Products – increased rebates (noted in Section 5.1) or no cost products for small businesses and nonprofits. 4) Enhanced New Construction - increased rebates (noted in Section 5.1) or no cost products for new construction projects for small businesses and nonprofits. 5) No Cost Energy Assessment and Free Energy Savings Kits – available for small businesses and nonprofits along with customers residing in rural areas. When location makes it difficult to send support staff, the kits with the needed items identified during a virtual assessment will be mailed. These kits also include a customized report summarizing the assessment findings with additional opportunities for assistance as needed. A pre-determined capped amount may be applied for direct install projects, with additional incentives available through the Hard-to-Reach Standard program other HTR options once the cap is met.
Target Market	Small Business HTR Qualification Criteria: Small Business Hard-to-Reach customers will be defined as customers who use less than 1.5 million kWh annually, or less than 100 kW in annual demand. Nonprofit HTR Qualification Criteria: Nonprofit organizations who meet the following requirements are eligible - • Organizations in 501(c)3 status and in good standing • Organization must serve low-income individuals and families • Organization must own the facility and be responsible for paying the energy bills

Hard-to-Reach Business Program

Program Goal

Expected energy and demand savings – 2023 - 2026

Projected Net Incremental Program Savings

Kansas Central

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
7,734	9,150	9,915	9,960	1.8	2.1	2.2	2.2

Kansas Metro

Net MWh Savings				Net MW Savings			
PY1	PY2	PY3	PY4	PY1	PY2	PY3	PY4
2,604	3,052	3,188	3,175	0.6	0.7	0.7	0.7

Program Framework/Strategy,

- *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.*
- *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.*
- *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)*
- *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*

Estimated Program Budget

Estimated Annual Budget – Confidential

Kansas Central

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$2,243.9	$2,715.0	$2,967.9	$3,053.9
Delivery	$949.5	$1,124.0	$1,206.7	$1,224.7
Administration	$122.5	$145.0	$155.7	$158.0
Evaluation	$153.1	$181.3	$194.6	$197.5

Kansas Metro

Budget ($000s) Cost Category	PY1	PY2	PY3	PY4
Incentives	$743.5	$894.2	$962.1	$982.6
Delivery	$317.5	$373.8	$391.7	$400.1
Administration	$41.0	$48.2	$50.5	$51.6
Evaluation	$51.2	$60.3	$63.2	$64.5

Hard-to-Reach Business Program

Program Beneficiaries

Estimated Incremental Measure Participation

Expected Number of Measures			
PY1	**PY2**	**PY3**	**PY4**
121,189	142,376	145,152	145,510

Program Benefit–Cost Analysis

All five benefit-cost tests are in the table below.

Kansas Central

TRC	UCT	RIM	SCT	PCT
1.5	1.5	1.2	1.9	1.2

Kansas Metro

TRC	UCT	RIM	SCT	PCT
1.3	1.3	0.8	1.7	1.8

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Program Evaluation, Measurement and Verification (EM&V) plan

For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.

Pilot Incubator

Program Description	Program is designed to focus on research and innovation of new programs, measures and concepts and improving current programs to drive better results. The program will provide the Company with a screening and evaluation mechanism to accomplish this and allow the Company flexibility to explore and research various ideas and concepts outside of the traditional DSM model to roll out for customer commercialization as deemed appropriate. The pilot incubator has three major stages, identifying concepts, validating ideas and integrating those evaluated designs into the main programs. Failing or succeeding with ideas quickly in a landscape where revision is allowed and expected, is less expensive than experimenting at scale, managing resources responsibly while creating the ability to transform programs to meet the changing needs of customers and ever evolving technologies.
Target Market	All customers
Program Goal	N/A
Program Framework/Strategy,	• *Relationship to other programs - A customer's program eligibility will be verified for all existing Evergy programs with the best solution(s) presented to the customer.* • *Marketing strategy - Program will be marketed in line with the strategy outlined in Section 9 of the main report.* • *Program delivery (In House/ Third Party) - Expected to be a mix of Evergy personnel and third-party relationships (see Section 9 of main report)* • *Partners - Identify existing organizations (or organization types) that might help, including Trade Allies and other Supporting/Aligned Organizations.*
Estimated Program Budget	Estimated Annual Budget – Confidential Kansas Central

Budget ($000s)	PY1	PY2	PY3	PY4
Total	$958.8	$1,279.9	$1,501.1	$1,712.1

Kansas Metro

Budget ($000s)	PY1	PY2	PY3	PY4
Total	$288.1	$391.4	$470.3	$544.6

Pilot Incubator	
Program Beneficiaries	N/A
Program Benefit–Cost Analysis	N/A
Program Evaluation, Measurement and Verification (EM&V) plan	*For details on EM&V plan, please refer to EM&V framework in section 7 or Appendix D of the filing.*

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL

(Name of Issuing Utility)

SCHEDULE EER

Replacing Schedule EER Sheet 1

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable)

which was filed ~~September 22, 2020~~March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 1 of 13 Sheets

ENERGY EFFICIENCY RIDER
(LEGACY ENERGY EFFICIENCY AND DEMAND RESPONSE PROGRAMS)

APPLICABLE

This Energy Efficiency Rider shall be applicable to all retail rate schedules of Evergy Kansas Central and Evergy Kansas South with the exception of Security Area Lighting Service, Street Lighting and Traffic Signal rate schedules.

PURPOSE

This Energy Efficiency Rider is filed in compliance with the Commission's Order in Docket No. 08-GIMX-441-GIV and is designed to recover costs associated with Commission approved Energy Efficiency and Demand Response Programs deferred but not recovered. This Rider will be effective for March 15, 2022 through October 2022 usage. Evergy Kansas Central will file a new Energy Efficiency Rider for Commission approval in July 2022.

BASIS FOR CHARGE

Energy Efficiency incremental program costs will be recovered using an Energy Efficiency (EE) factor applied to each applicable customer's bill. The EE factor will be applied to each applicable customer's energy usage by multiplying the kilowatt-hours (kWh) of electricity billed by the EE factor. The charge associated with this Energy Efficiency Rider will be identified and shown as a separate line on the applicable customer's monthly billings.

Issued December 17 2021
Month Day Year

Effective _____
Month Day Year

By _____
Darrin Ives, Vice President

ENERGY EFFICIENCY RIDER
(LEGACY ENERGY EFFICIENCY AND DEMAND RESPONSE PROGRAMS)

ENERGY EFFICIENCY RIDER AMOUNT CALCULATION

The initial EE factor will be calculated to recover actual program costs deferred for Commission approved Energy Efficiency programs deferred over a 12-month period ending in June of each year plus any true up amount from the prior period divided by the total applicable kWh as follows:

EE factor = EE costs + True / kWh

Where:

EE costs = The actual costs associated with Commission approved Energy Efficiency programs. These costs are recorded in separate sub-accounts of Account 182.3 Other Regulatory Assets for each approved Energy Efficiency or Demand Response Program and for demand response credits provided to customers under approved Demand Response Programs.

True = The annual true-up amount for an Energy Efficiency Rider year, to be determined prior to filing the next EE Rider and to be applied to the subsequent EE Factor calculation. The true-up will be the difference between the approved recovery amount and the actual recovery amount during the time the EE Factor was in effect.

kWh = The estimated kilowatt-hours for the period this EE factor will be applied to customers' monthly bills.

EE FACTOR

$0.000218 / kWh effective for March 15, 2022 through October 2022.

DEFINITIONS AND CONDITIONS

1. All provisions of this Rider are subject to changes made by order of the regulatory authority having jurisdiction.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

TRANSITION FROM LEGACY ENERGY EFFICIENCY PROGRAMS TO KEEIA 2023-2026 DSM PORTFOLIO:

As Evergy Kansas Central transitions from the Legacy Energy Efficiency and Demand Response Programs (Legacy Programs), it is anticipated that Energy Efficiency (EE) Costs in July 2021 through June 2022 and True-Up for the preceding Energy Efficiency Rider year will be filed on July 15, 2022 for recovery over the period from November 2022 through October 2023. Further, EE Costs in the partial year from July 2022 through December 2022 and True-Up for the preceding Energy Efficiency Rider year will be filed on July 15, 2023 for recovery over the period from November 2023 through June 2024.

APPLICABLE

This Energy Efficiency Rider shall be applicable to all non-lighting Retail Rate Schedules of Evergy Kansas Central and Evergy Kansas South. The Energy Efficiency Rider will be calculated and applied separately to Residential and Non-Residential customer classes.

PURPOSE

This Energy Efficiency Rider is filed in compliance with the Commission's Order in Docket No. XX-XXXX-XXX-XXX and is designed to recover costs associated with Commission approved KEEIA 2023 – 2026 DSM Portfolio deferred but not recovered and any remaining unrecovered charges from the Company's Legacy Energy Efficiency and Demand Response Programs. Those charges include:

1) Program Costs (PC), Throughput Disincentive (TD), and Earnings Opportunity Award (EO) (if any) for the KEEIA 2023 – 2026 DSM Portfolio and any true-up associated with Legacy Programs. Program Costs (PC) and Throughput Disincentive (TD) will include interest carrying costs at the Company's pretax Weighted Average Cost of Capital (WACC) on the unrecovered balances.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

2) Reconciliations, with interest, to true-up for differences between the revenues billed under this Energy Efficiency Rider and total actual monthly amounts for:

i. Program Costs (PC) incurred.
ii. Throughput Disincentive (TD) incurred.
iii. Amortization of any Earnings Opportunity Award (EO) ordered by the Kansas Corporation Commission (Commission).
iv. Remaining unrecovered amounts associated with Legacy Programs.

BASIS FOR CHARGE

Energy Efficiency incremental program costs will be recovered using an Energy Efficiency (EE) factor applied to each applicable customer's bill. The EE factor will be applied to each applicable customer's energy usage by multiplying the kilowatt-hours (kWh) of electricity billed by the EE factor for the respective Residential and Non-Residential customer class. The charge associated with this Energy Efficiency Rider will be identified and shown as a separate line on the applicable customer's monthly billings.

DEFINITIONS

As used in this Energy Efficiency Rider, the following definitions shall apply:

"Throughput Disincentive" (TD) is meant to represent the utility's lost margins associated with the successful implementation of the KEEIA programs.

"Effective Period" (EP) means the year beginning with January 2023, and each year thereafter until all allowed charges associated with the approved KEEIA 2023 – 2026 DSM Portfolio are recovered.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

"Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the utility's program delivery and oversight and to estimate and/or verify the estimated actual energy and demand savings, cost effectiveness, and other effects from demand-side programs.

"Incentive" means any consideration provided by the Company, including buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of program measures.

"KEEIA 2023 – 2026 DSM Portfolio" consists of the demand-side programs and the Energy Efficiency Rider described in the KEEIA 2023 – 2026 DSM Portfolio Filing, which became effective following Commission order and approval of the KEEIA 2023 – 2026 DSM Portfolio under Docket No. XX-XXXX-XXX-XXX.

"Program Costs" (PC) means any prudently incurred program expenditures, including such items as program planning, program design; administration; delivery; end-use measures and incentive payments; advertising expense; evaluation, measurement, and verification; market potential studies; and other costs necessary to deliver approved programs.

"Earnings Opportunity" (EO) means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

"Recovery Period" (RP) includes the twelve-month period beginning July 1, 2024 through June 30, 2025 and each twelve-month period thereafter.

"Weighted Average Cost of Capital" (WACC) means the return on rate base used to determine the revenue requirement in the Company's most recently completed general rate proceeding.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

DETERMINATION OF ENERGY EFFICIENCY FACTOR RATES

The Energy Efficiency Factor (EE Factor) during each applicable EP is a dollar per kWh rate for each non-lighting rate schedule calculated as follows:

EE Factor = [PC + TD + EO + TRUE]/PE

Where:

PC = Actual Program Costs incurred for the applicable EP. Such amounts shall include monthly interest on cumulative over- or under-balances at the Company's WACC.

TD = Throughput Disincentive is the Company's TD calculated by the Company during the applicable EP. See below for the detailed methodology for calculating the TD. Such amounts shall include monthly carrying costs on cumulative over- or under- balances at the Company's WACC.

EO = Earnings Opportunity is equal to the Earnings Opportunity Award means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Energy Efficiency Rider applies during the applicable RP.

The EE factor components and total EE Factor applicable to the Residential and Non-Residential rate schedules shall be rounded to the nearest $0.00001.

CALCULATION OF TD:

Monthly Throughput Disincentive = the sum of the Throughput Disincentive Calculation for all programs applicable to (1) Residential and (2) Non-Residential customers.

ENERGY EFFICIENCY RIDER

(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Throughput Disincentive Calculation:

The Throughput Disincentive Calculation for each program shall be determined by the formula:

$$TD\$ = MS \times NMR$$

Where:

TD$ = Throughput Disincentive Dollars to be collected for a given calendar month, for a given class.

NMR = Net Margin Revenue. Net Margin revenue values for each class are provided below in the Net Margin Revenue Rates By Rate Class By Month table.

MS = The sum of all Programs' Monthly Savings in kWh, for a given month, for a given class. The Monthly Savings in kWh for each Program shall be determined by the formula:

$$MS = (MASCM + CASPM - RB) \times LS + HEE$$

RB = Rebasing Adjustment. The Rebasing Adjustment shall equal the CAS defined below applicable as of the date used for the KEEIA normalization in any general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio. In the event more than one general rate case resulting in new rates

becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio, the Rebasing Adjustment shall include each and every prior Rebasing Adjustment calculation.

LS = Load Shape. The Load Shape is the monthly load shape percent for each program as follows:

Program Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Whole Business Efficiency	8.117%	7.809%	8.087%	8.291%	9.156%	8.765%	9.264%	8.805%	7.652%	8.337%	8.021%	7.695%	100.000%
Hard-to-Reach Businesses	7.805%	7.539%	7.881%	8.365%	9.589%	9.288%	9.810%	8.999%	7.486%	8.080%	7.742%	7.416%	100.000%
Business Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%
Business Energy Education	8.179%	8.120%	8.098%	8.325%	8.469%	7.799%	8.543%	8.495%	7.907%	9.084%	8.687%	8.294%	100.000%
Whole Home Efficiency	7.414%	6.352%	6.378%	5.881%	7.592%	12.023%	12.404%	12.462%	9.699%	6.203%	6.387%	7.204%	100.000%
Home Energy Education	7.702%	7.150%	8.021%	7.853%	8.530%	8.863%	9.385%	9.398%	8.511%	8.612%	7.952%	8.023%	100.000%
Hard-to-Reach Homes	5.945%	4.702%	3.666%	3.687%	7.312%	16.682%	17.456%	17.112%	11.193%	3.296%	3.617%	5.330%	100.000%
Home Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%

Where:

MC = Measure Count. Measure Count, for a given month, for a given class, for each measure is the number of each measure installed in the current calendar month.

ME = Measure Energy. Measure Energy will be determined as follows, for each Measure:

i. Prior to finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure times the NTG factors defined in the Technical Resource Manual (TRM).

ii. After finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the updated TRM (which will be updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of the KEEIA 2023 -2026

DSM Portfolio).

iii. For Custom Measures the ME will be the annual kWh savings calculated and reported monthly by the program implementers and aggregated by program and by customer class.

MAS = The sum of MC multiplied by ME for all measures in a program in the current calendar month.

ENERGY EFFICIENCY RIDER

(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

CAS = Cumulative sum of MAS for each program for the KEEIA 2023 – 2026 DSM Portfolio

CM = Current calendar month

PM = Prior calendar month

HEE = Monthly kWh savings for the Home Energy Education program measured and reported monthly by the program implementer.

Measure – Energy efficiency measures described for each program in the Technical Resource Manual.

Programs – KEEIA 2023 – 2026 DSM Portfolio programs.

TRM – Commission-Approved Technical Resource Manual updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of the KEEIA 2023 – 2026 DSM Portfolio.

EARNINGS OPPORTUNITY

The annual KEEIA 2023 – 2026 DSM Portfolio EO Award shall be calculated using the Earnings Opportunity Matrix below. The EO target at 100% is $16,611,947. The EO cannot go above

$20,288,248. The cap is based on current program levels. If Commission-approved new programs are added during the approved program period, the Company may seek Commission approval to have the targets and cap of the EO increase proportionately to the increase in savings targets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

OTHER PROVISIONS

The Company shall file an update to NMR rates by month by class contemporaneous with filing any compliance tariff sheets in any general rate case reflecting the rates set in that case, and the billing determinants used in setting rates in that case.

Annual kWh savings per measure will be updated prospectively in the TRM no later than 24 months after the commencement of the Plan based on EM&V ex-post gross adjustments determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

KEEIA NTG factors will be updated prospectively in the TRM no later than 24 months after the commencement of the Plan based on EM&V net-to-gross percentages for each program determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

FILING

After the initial EE Rider rate adjustment filing, the Company shall make an Energy Efficiency Rider rate adjustment filing by March 31 following each program year to take effect each twelve-month period beginning in July and ending in June under the Term of this Energy Efficiency Rider.

EE Factors for the billing months of July 2024 through June 2025 are as follows:

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL

(Name of Issuing Utility)

SCHEDULE EER

Replacing Schedule EER Sheet 11

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable)

which was filed ~~September 22, 2020~~March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 11 of 13 Sheets

Residential - $0.00000
Non-Residential - $0.00000

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

NET MARGIN REVENUE RATES BY RATE CLASS BY MONTH

Customer Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Residential	$0.068283	$0.069851	$0.070796	$0.071254	$0.071239	$0.075142	$0.076291	$0.076222	$0.075656	$0.070259	$0.071159	$0.069320
Non-Residential - SGS	$0.060226	$0.061301	$0.061907	$0.062193	$0.062291	$0.067485	$0.066311	$0.066473	$0.066703	$0.061947	$0.061776	$0.060842
Non-Residential - MGS	$0.020503	$0.020702	$0.020748	$0.020786	$0.020783	$0.026474	$0.026290	$0.026286	$0.026303	$0.020738	$0.020684	$0.020554
Non-Residential - LGS	$0.027825	$0.028206	$0.027435	$0.027418	$0.027157	$0.028306	$0.029339	$0.029061	$0.029783	$0.028756	$0.027686	$0.027959

EARNINGS OPPORTUNITY MATRIX

Issued December (Month) 17 (Day) 2021 (Year)

Effective _____ (Month) _____ (Day) _____ (Year)

By _____

Darrin Ives, Vice President

Public

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL

(Name of Issuing Utility)

SCHEDULE EER

Replacing Schedule EER Sheet 12

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable)

which was filed ~~September 22, 2020~~March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 12 of 13 Sheets

Evergy Kansas Central KEEIA 2023-2026 DSM Portfolio EO Matrix

No.	Metric	Programs	Target	Target Unit	2023-2026 EO Target	EO Amount per Target Unit	$/Unit	Cycle EO Cap %	2023-2026 EO Cap
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	100%	Threshold Metrics	$561,983	$561,982.97	$	100%	$561,983
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	100%	Threshold Metrics	$1,344,760	$1,344,760.15	$	100%	$1,344,760
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	161,484	MWh	$4,148,093	$25.69	$/MWh	125%	$5,185,117
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	58	MW	$7,466,568	$127,821.02	$/MW	125%	$9,333,210
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	109	MW	$4,977,712	$45,735.91	$/MW	125%	$6,222,140
	Total Forecasted Earnings Opportunity				**$18,499,117**				**$22,647,210**

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

ANNUAL EARNINGS OPPORTUNITY CALCULATION

Issued December 17 2021
Month Day Year

Effective _____
Month Day Year

By _____
Darrin Ives, Vice President

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL

(Name of Issuing Utility)

SCHEDULE EER

Replacing Schedule EER Sheet 13

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable)

which was filed ~~September 22, 2020~~March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 13 of 13 Sheets

Evergy Kansas Central KEEIA Cycle 1 EO Annual Calculation

No.	Metric	Programs	Source of Inputs	EO Criterion and Calculation
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	The EM&V report will include documentation of all community events held, # of customers completing online energy tools and the customer surveys.	The performance metric will be based on key indicators of effective and widespread education of customers during the period. 1) Community Events held quarterly w/ documentation (4 / year) 2) minimum of 10% eligible customers completing online energy analysis yearly 3) EM&V customer survey of awareness of programs greater than 50% If all three criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	That actual spend will be reported directly out of the Company's accounting system and included in the EM&V report. The business customer # of participants by rate code will be provided in the final EM&V report for the calculation of % of participation	The performance metric will be based on key indicators of participation of hard-to-reach customers during the period. 1) Actual spend for Hard-to-Reach Home program exceeds 85% of approved annual budget 2) Ratio of participants with small business rate codes in the Hard-to-Reach Business and Whole Business Efficiency to total participants exceeds 20% If both criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency	The EM&V report will include a subtotal of portfolio energy savings matching the definition of this performance metric for each program year.	Evaluated net MWh for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.

Issued December 17 2021
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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL

(Name of Issuing Utility)

SCHEDULE EER

Replacing Schedule EER Sheet 1

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable)

which was filed March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 1 of 12 Sheets

ENERGY EFFICIENCY RIDER
(LEGACY ENERGY EFFICIENCY AND DEMAND RESPONSE PROGRAMS)

APPLICABLE

This Energy Efficiency Rider shall be applicable to all retail rate schedules of Evergy Kansas Central and Evergy Kansas South with the exception of Security Area Lighting Service, Street Lighting and Traffic Signal rate schedules.

PURPOSE

This Energy Efficiency Rider is filed in compliance with the Commission's Order in Docket No. 08-GIMX-441-GIV and is designed to recover costs associated with Commission approved Energy Efficiency and Demand Response Programs deferred but not recovered. This Rider will be effective for March 15, 2022 through October 2022 usage. Evergy Kansas Central will file a new Energy Efficiency Rider for Commission approval in July 2022.

BASIS FOR CHARGE

Energy Efficiency incremental program costs will be recovered using an Energy Efficiency (EE) factor applied to each applicable customer's bill. The EE factor will be applied to each applicable customer's energy usage by multiplying the kilowatt-hours (kWh) of electricity billed by the EE factor. The charge associated with this Energy Efficiency Rider will be identified and shown as a separate line on the applicable customer's monthly billings.

Issued December 17 2021
Month Day Year

Effective _____
Month Day Year

By _____
Darrin Ives, Vice President

ENERGY EFFICIENCY RIDER
(LEGACY ENERGY EFFICIENCY AND DEMAND RESPONSE PROGRAMS)

ENERGY EFFICIENCY RIDER AMOUNT CALCULATION

The initial EE factor will be calculated to recover actual program costs deferred for Commission approved Energy Efficiency programs deferred over a 12-month period ending in June of each year plus any true up amount from the prior period divided by the total applicable kWh as follows:

EE factor = EE costs + True / kWh

Where:

EE costs = The actual costs associated with Commission approved Energy Efficiency programs. These costs are recorded in separate sub-accounts of Account 182.3 Other Regulatory Assets for each approved Energy Efficiency or Demand Response Program and for demand response credits provided to customers under approved Demand Response Programs.

True = The annual true-up amount for an Energy Efficiency Rider year, to be determined prior to filing the next EE Rider and to be applied to the subsequent EE Factor calculation. The true-up will be the difference between the approved recovery amount and the actual recovery amount during the time the EE Factor was in effect.

kWh = The estimated kilowatt-hours for the period this EE factor will be applied to customers' monthly bills.

EE FACTOR

$0.000218 / kWh effective for March 15, 2022 through October 2022.

DEFINITIONS AND CONDITIONS

1. All provisions of this Rider are subject to changes made by order of the regulatory authority having jurisdiction.

Issued December (Month) 17 (Day) 2021 (Year)

Effective _____ (Month) _____ (Day) _____ (Year)

By _____

Darrin Ives, Vice President

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

TRANSITION FROM LEGACY ENERGY EFFICIENCY PROGRAMS TO KEEIA 2023-2026 DSM PORTFOLIO:

As Evergy Kansas Central transitions from the Legacy Energy Efficiency and Demand Response Programs (Legacy Programs), it is anticipated that Energy Efficiency (EE) Costs in July 2021 through June 2022 and True-Up for the preceding Energy Efficiency Rider year will be filed on July 15, 2022 for recovery over the period from November 2022 through October 2023. Further, EE Costs in the partial year from July 2022 through December 2022 and True-Up for the preceding Energy Efficiency Rider year will be filed on July 15, 2023 for recovery over the period from November 2023 through June 2024.

APPLICABLE

This Energy Efficiency Rider shall be applicable to all non-lighting Retail Rate Schedules of Evergy Kansas Central and Evergy Kansas South. The Energy Efficiency Rider will be calculated and applied separately to Residential and Non-Residential customer classes.

PURPOSE

This Energy Efficiency Rider is filed in compliance with the Commission's Order in Docket No. XX-XXXX-XXX-XXX and is designed to recover costs associated with Commission approved KEEIA 2023 – 2026 DSM Portfolio deferred but not recovered and any remaining unrecovered charges from the Company's Legacy Energy Efficiency and Demand Response Programs. Those charges include:

1) Program Costs (PC), Throughput Disincentive (TD), and Earnings Opportunity Award (EO) (if any) for the KEEIA 2023 – 2026 DSM Portfolio and any true-up associated with Legacy Programs. Program Costs (PC) and Throughput Disincentive (TD) will include interest carrying costs at the Company's pretax Weighted Average Cost of Capital (WACC) on the unrecovered balances.

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ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

2) Reconciliations, with interest, to true-up for differences between the revenues billed under this Energy Efficiency Rider and total actual monthly amounts for:

i. Program Costs (PC) incurred.
ii. Throughput Disincentive (TD) incurred.
iii. Amortization of any Earnings Opportunity Award (EO) ordered by the Kansas Corporation Commission (Commission).
iv. Remaining unrecovered amounts associated with Legacy Programs.

BASIS FOR CHARGE

Energy Efficiency incremental program costs will be recovered using an Energy Efficiency (EE) factor applied to each applicable customer's bill. The EE factor will be applied to each applicable customer's energy usage by multiplying the kilowatt-hours (kWh) of electricity billed by the EE factor for the respective Residential and Non-Residential customer class. The charge associated with this Energy Efficiency Rider will be identified and shown as a separate line on the applicable customer's monthly billings.

DEFINITIONS

As used in this Energy Efficiency Rider, the following definitions shall apply:

"Throughput Disincentive" (TD) is meant to represent the utility's lost margins associated with the successful implementation of the KEEIA programs.

"Effective Period" (EP) means the year beginning with January 2023, and each year thereafter until all allowed charges associated with the approved KEEIA 2023 – 2026 DSM Portfolio are recovered.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

"Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the utility's program delivery and oversight and to estimate and/or verify the estimated actual energy and demand savings, cost effectiveness, and other effects from demand-side programs.

"Incentive" means any consideration provided by the Company, including buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of program measures.

"KEEIA 2023 – 2026 DSM Portfolio" consists of the demand-side programs and the Energy Efficiency Rider described in the KEEIA 2023 – 2026 DSM Portfolio Filing, which became effective following Commission order and approval of the KEEIA 2023 – 2026 DSM Portfolio under Docket No. XX-XXXX-XXX-XXX.

"Program Costs" (PC) means any prudently incurred program expenditures, including such items as program planning, program design; administration; delivery; end-use measures and incentive payments; advertising expense; evaluation, measurement, and verification; market potential studies; and other costs necessary to deliver approved programs.

"Earnings Opportunity" (EO) means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

"Recovery Period" (RP) includes the twelve-month period beginning July 1, 2024 through June 30, 2025 and each twelve-month period thereafter.

"Weighted Average Cost of Capital" (WACC) means the return on rate base used to determine the revenue requirement in the Company's most recently completed general rate proceeding.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

DETERMINATION OF ENERGY EFFICIENCY FACTOR RATES

The Energy Efficiency Factor (EE Factor) during each applicable EP is a dollar per kWh rate for each non-lighting rate schedule calculated as follows:

EE Factor = [PC + TD + EO + TRUE]/PE

Where:

PC = Actual Program Costs incurred for the applicable EP. Such amounts shall include monthly interest on cumulative over- or under-balances at the Company's WACC.

TD = Throughput Disincentive is the Company's TD calculated by the Company during the applicable EP. See below for the detailed methodology for calculating the TD. Such amounts shall include monthly carrying costs on cumulative over- or under- balances at the Company's WACC.

EO = Earnings Opportunity is equal to the Earnings Opportunity Award means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Energy Efficiency Rider applies during the applicable RP.

The EE factor components and total EE Factor applicable to the Residential and Non-Residential rate schedules shall be rounded to the nearest $0.00001.

CALCULATION OF TD:

Monthly Throughput Disincentive = the sum of the Throughput Disincentive Calculation for all programs applicable to (1) Residential and (2) Non-Residential customers.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Throughput Disincentive Calculation:

The Throughput Disincentive Calculation for each program shall be determined by the formula:

$$TD\$ = MS \times NMR$$

Where:

TD$ = Throughput Disincentive Dollars to be collected for a given calendar month, for a given class.

NMR = Net Margin Revenue. Net Margin revenue values for each class are provided below in the Net Margin Revenue Rates By Rate Class By Month table.

MS = The sum of all Programs' Monthly Savings in kWh, for a given month, for a given class. The Monthly Savings in kWh for each Program shall be determined by the formula:

$$MS = (MASCM + CASPM - RB) \times LS + HEE$$

RB = Rebasing Adjustment. The Rebasing Adjustment shall equal the CAS defined below applicable as of the date used for the KEEIA normalization in any general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio. In the event more than one general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio, the Rebasing Adjustment shall include each and every prior Rebasing Adjustment calculation.

LS = Load Shape. The Load Shape is the monthly load shape percent for each program as follows:

Program Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Whole Business Efficiency	8.117%	7.809%	8.087%	8.291%	9.156%	8.765%	9.264%	8.805%	7.652%	8.337%	8.021%	7.695%	100.000%
Hard-to-Reach Businesses	7.805%	7.539%	7.881%	8.365%	9.589%	9.288%	9.810%	8.999%	7.486%	8.080%	7.742%	7.416%	100.000%
Business Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%
Business Energy Education	8.179%	8.120%	8.098%	8.325%	8.469%	7.799%	8.543%	8.495%	7.907%	9.084%	8.687%	8.294%	100.000%
Whole Home Efficiency	7.414%	6.352%	6.378%	5.881%	7.592%	12.023%	12.404%	12.462%	9.699%	6.203%	6.387%	7.204%	100.000%
Home Energy Education	7.702%	7.150%	8.021%	7.853%	8.530%	8.863%	9.385%	9.398%	8.511%	8.612%	7.952%	8.023%	100.000%
Hard-to-Reach Homes	5.945%	4.702%	3.666%	3.687%	7.312%	16.682%	17.456%	17.112%	11.193%	3.296%	3.617%	5.330%	100.000%
Home Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%

Where:

MC = Measure Count. Measure Count, for a given month, for a given class, for each measure is the number of each measure installed in the current calendar month.

ME = Measure Energy. Measure Energy will be determined as follows, for each Measure:

i. Prior to finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure times the NTG factors defined in the Technical Resource Manual (TRM).

ii. After finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the updated TRM (which will be updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of the KEEIA 2023 -2026 DSM Portfolio).

iii. For Custom Measures the ME will be the annual kWh savings calculated and reported monthly by the program implementers and aggregated by program and by customer class.

MAS = The sum of MC multiplied by ME for all measures in a program in the current calendar month.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

CAS = Cumulative sum of MAS for each program for the KEEIA 2023 – 2026 DSM Portfolio

CM = Current calendar month

PM = Prior calendar month

HEE = Monthly kWh savings for the Home Energy Education program measured and reported monthly by the program implementer.

Measure – Energy efficiency measures described for each program in the Technical Resource Manual.

Programs – KEEIA 2023 – 2026 DSM Portfolio programs.

TRM – Commission-Approved Technical Resource Manual updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of the KEEIA 2023 – 2026 DSM Portfolio.

EARNINGS OPPORTUNITY

The annual KEEIA 2023 – 2026 DSM Portfolio EO Award shall be calculated using the Earnings Opportunity Matrix below. The EO target at 100% is $16,611,947. The EO cannot go above $20,288,248. The cap is based on current program levels. If Commission-approved new programs are added during the approved program period, the Company may seek Commission approval to have the targets and cap of the EO increase proportionately to the increase in savings targets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

OTHER PROVISIONS

The Company shall file an update to NMR rates by month by class contemporaneous with filing any compliance tariff sheets in any general rate case reflecting the rates set in that case, and the billing determinants used in setting rates in that case.

Annual kWh savings per measure will be updated prospectively in the TRM no later than 24 months after the commencement of the Plan based on EM&V ex-post gross adjustments determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

KEEIA NTG factors will be updated prospectively in the TRM no later than 24 months after the commencement of the Plan based on EM&V net-to-gross percentages for each program determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

FILING

After the initial EE Rider rate adjustment filing, the Company shall make an Energy Efficiency Rider rate adjustment filing by March 31 following each program year to take effect each twelve-month period beginning in July and ending in June under the Term of this Energy Efficiency Rider.

EE Factors for the billing months of July 2024 through June 2025 are as follows:

Residential - $0.00000
Non-Residential - $0.00000

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL — SCHEDULE EER

(Name of Issuing Utility)

Replacing Schedule EER Sheet 11

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable) — which was filed March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 11 of 12 Sheets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

NET MARGIN REVENUE RATES BY RATE CLASS BY MONTH

Customer Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Residential	$0.068283	$0.069851	$0.070796	$0.071254	$0.071239	$0.075142	$0.076291	$0.076222	$0.075656	$0.070259	$0.071159	$0.069320
Non-Residential - SGS	$0.060226	$0.061301	$0.061907	$0.062193	$0.062291	$0.067485	$0.066311	$0.066473	$0.066703	$0.061947	$0.061776	$0.060842
Non-Residential - MGS	$0.020503	$0.020702	$0.020748	$0.020786	$0.020783	$0.026474	$0.026290	$0.026286	$0.026303	$0.020738	$0.020684	$0.020554
Non-Residential - LGS	$0.027825	$0.028206	$0.027435	$0.027418	$0.027157	$0.028306	$0.029339	$0.029061	$0.029783	$0.028756	$0.027686	$0.027959

EARNINGS OPPORTUNITY MATRIX

Evergy Kansas Central KEEIA 2023-2026 DSM Portfolio EO Matrix

No.	Metric	Programs	Target	Target Unit	2023-2026 EO Target	EO Amount per Target Unit	$/Unit	Cycle EO Cap %	2023-2026 EO Cap
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	100%	Threshold Metrics	$561,983	$561,982.97	$	100%	$561,983
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	100%	Threshold Metrics	$1,344,760	$1,344,760.15	$	100%	$1,344,760
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	161,484	MWh	$4,148,093	$25.69	$/MWh	125%	$5,185,117
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	58	MW	$7,466,568	$127,821.02	$/MW	125%	$9,333,210
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	109	MW	$4,977,712	$45,735.91	$/MW	125%	$6,222,140
	Total Forecasted Earnings Opportunity				**$18,499,117**				**$22,647,210**

Issued December (Month) 17 (Day) 2021 (Year)

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By _____

Darrin Ives, Vice President

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY KANSAS CENTRAL, INC., & EVERGY KANSAS SOUTH, INC., d.b.a. EVERGY KANSAS CENTRAL

(Name of Issuing Utility)

SCHEDULE EER

Replacing Schedule EER Sheet 12

EVERGY KANSAS CENTRAL RATE AREA

(Territory to which schedule is applicable)

which was filed March 14, 2022

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 12 of 12 Sheets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

ANNUAL EARNINGS OPPORTUNITY CALCULATION

Evergy Kansas Central KEEIA Cycle 1 EO Annual Calculation

No.	Metric	Programs	Source of Inputs	EO Criterion and Calculation
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	The EM&V report will include documentation of all community events held, # of customers completing online energy tools and the customer surveys.	The performance metric will be based on key indicators of effective and widespread education of customers during the period. 1) Community Events held quarterly w/ documentation (4 / year) 2) minimum of 10% eligible customers completing online energy analysis yearly 3) EM&V customer survey of awareness of programs greater than 50% If all three criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	That actual spend will be reported directly out of the Company's accounting system and included in the EM&V report. The business customer # of participants by rate code will be provided in the final EM&V report for the calculation of % of participation	The performance metric will be based on key indicators of participation of hard-to-reach customers during the period. 1) Actual spend for Hard-to-Reach Home program exceeds 85% of approved annual budget 2) Ratio of participants with small business rate codes in the Hard-to-Reach Business and Whole Business Efficiency to total participants exceeds 20% If both criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency	The EM&V report will include a subtotal of portfolio energy savings matching the definition of this performance metric for each program year.	Evaluated net MWh for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO
(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 1

EVERGY KANSAS METRO RATE AREA
(Territory to which schedule is applicable)

which was filed ~~June 30, 2020~~June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 1 of 14 Sheets

ENERGY EFFICIENCY RIDER~~Schedule EE~~
LEGACY ENERGY EFFICIENCY PROGRAMS

AVAILABILITY:

This Energy Efficiency (EE) Rider (Schedule EE) shall be applicable to all non-lighting Kansas Retail Rate Schedules for Evergy Kansas Metro.

PURPOSE:

This EE Rider is designed to recover all costs associated with the following Commission-approved Income-Eligible, Energy Efficiency and Demand Response schedules: (1) IEW; (2) PT; (3) BOC; (4) ER; (5) CHP; (6) NH; (7) RHER; (8) RSTP; and (9) DRI. Evergy Kansas Metro will file a new EE Rider no later than March 31 of each year to recover EE Program costs incurred during the prior calendar year for recovery over the following July through June period.

BASIS:

Program Costs will be recovered using an EE factor applied to each customer's bill. The EE factor will be applied to the customer's usage on a kilowatt-hour basis ($/kWh). Retail customer charges for EE Program Costs are determined by multiplying the kilowatt-hours of electricity billed by the corresponding EE factor. The customer charges associated with this EE Rider will be identified and shown as a separate line on the customer's bill.

ENERGY EFFICIENCY RIDER AMOUNT CALCULATION:

A separate EE factor will be calculated for each customer class based upon the demand allocator and total kWh for each class. The EE factor (EEF) for each customer class will be calculated to recover the Program Costs for approved EE Programs from the specified period plus any applicable true up amount from the prior period by applying a class Demand Allocator and then dividing by the total kilowatt-hours (kWh) for that class as follows:

$$EEF_{(class)} = \frac{(EEC_n + TRUE_{n-1}) \times DA_{(class)}}{KWH_{n\ (class)}}$$

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ENERGY EFFICIENCY RIDER
~~Schedule EE~~LEGACY ENERGY EFFICIENCY PROGRAMS

Where:

EEC_n = All actual costs associated with Commission-approved EE Programs incurred during the applicable time-period (n). These costs are recorded in a deferred regulatory asset account established to accumulate the Kansas jurisdictional costs of all EE Programs.

$TRUE_{n-1}$ = The annual true-up amount for an EE Rider year, to be determined prior to filing the next EE Rider and to be applied to the subsequent EE factor calculation. The true-up amount will reflect any difference between the total EE revenue collected and the actual costs (EEC_n) for the previous applicable time-period (n-1). Such true-up amount may be positive or negative. The true-up amount used to calculate the EEF for the first EE Rider equals zero.

$DA_{(class)}$ = The demand allocator for the applicable non-lighting classes. This demand allocator shall be based on the 12-CP allocator utilized by the Company for its Class Cost of Service Study in the most recent Kansas retail rate case.

$KWH_{n\ (class)}$ = The actual kWh electric sales for the Kansas jurisdiction for the applicable time-period (n) of the Class Cost of Service Study for the applicable class.

TERM:

This EE Rider shall remain in effect until such time the Commission-approved amount is recovered. In the event the Commission rules on, or a law is passed regarding treatment of such expenses, then Evergy Kansas Metro shall have the right to file for Commission approval of a compliant recovery methodology to replace or revise this EE Rider. Evergy Kansas Metro shall have the right to continue recovery under this EE Rider until such time a replacement methodology is approved and implemented or all Commission-approved amounts are recovered.

NOTES TO THE TARIFF:

1. The references to Accounts within the EE tariff are as defined in the FERC uniform system of accounts.
2. The EEC factor will be expressed in dollars per kilowatt-hour (kWh) rounded to five decimal places.

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO
(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 3

EVERGY KANSAS METRO RATE AREA
(Territory to which schedule is applicable)

which was filed ~~June 30, 2020~~June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 3 of 14 Sheets

ENERGY EFFICIENCY RIDER
~~Schedule EE~~LEGACY ENERGY EFFICIENCY PROGRAMS

EE FACTORS FOR JULY 1, 2021 THROUGH JUNE 30, 2022 USAGE:

1.	Residential Service	$0.00010/kWh
2.	Small General Service	$0.00009/kWh
3.	Medium General Service	$0.00009/kWh
4.	Large General Service	$0.00008/kWh

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ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

TRANSITION FROM LEGACY ENERGY EFFICIENCY PROGRAMS TO KEEIA 2023-2026 DSM PORTFOLIO:

As Evergy Kansas Metro transitions from the Legacy Energy Efficiency Programs (Legacy Programs), it is anticipated that Energy Efficiency (EE) Costs in 2021 and True-Up for the preceding Energy Efficiency Rider year will be filed in March 2022 for recovery over the period from July 2022 through June 2023. Further, EE Costs in 2022 and True-Up for the preceding Energy Efficiency Rider year will be filed in March 2023 for recovery over the period from July 2023 through June 2024.

APPLICABLE:

This Energy Efficiency Rider shall be applicable to all non-lighting Kansas Retail Rate Schedules for Evergy Kansas Metro. The Energy Efficiency Rider will be calculated and applied separately to Residential and Non-Residential customer classes.

PURPOSE:

This Energy Efficiency Rider is filed in compliance with the Commission's Order in Docket No. XX-XXXX-XXX-XXX and is designed to recover costs associated with Commission approved KEEIA 2023 – 2026 DSM Portfolio deferred but not recovered and any remaining unrecovered charges from the Company's Legacy Energy Efficiency Programs. Those charges include:

1) Program Costs (PC), Throughput Disincentive (TD), and Earnings Opportunity Award (EO) (if any) for the KEEIA 2023 – 2026 DSM Portfolio and any true-up associated with Legacy Programs. Program Costs (PC) and Throughput Disincentive (TD) will include interest carrying costs at the Company's pretax Weighted Average Cost of Capital (WACC) on the unrecovered balances.

2) Reconciliations, with interest, to true-up for differences between the revenues billed under this Energy Efficiency Rider and total actual monthly amounts for:

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

i. Program Costs (PC) incurred.
ii. Throughput Disincentive (TD) incurred.
iii. Amortization of any Earnings Opportunity Award (EO) ordered by the Kansas Corporation Commission (Commission)
iv. Remaining unrecovered amounts associated with Legacy Programs.

BASIS FOR CHARGE:

Energy Efficiency incremental program costs will be recovered using an Energy Efficiency (EE) factor applied to each applicable customer's bill. The EE factor will be applied to each applicable customer's energy usage by multiplying the kilowatt-hours (kWh) of electricity billed by the EE factor for the respective Residential and Non-Residential customer class. The charge associated with this Energy Efficiency Rider will be identified and shown as a separate line on the applicable customer's monthly billings.

DEFINITIONS:

As used in this Energy Efficiency Rider, the following definitions shall apply:

"Throughput Disincentive" (TD) is meant to represent the utility's lost margins associated with the successful implementation of the KEEIA programs.

"Effective Period" (EP) means the year beginning with January 2023, and each year thereafter until all allowed charges associated with the approved KEEIA 2023 – 2026 DSM Portfolio are recovered.

"Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the utility's program delivery and oversight and to estimate and/or verify the estimated actual energy and demand savings, cost effectiveness, and other effects from demand-side programs.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

"Incentive" means any consideration provided by the Company, including buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of program measures.

"KEEIA 2023 – 2026 DSM Portfolio" consists of the demand-side programs and the Energy Efficiency Rider described in the KEEIA 2023 – 2026 DSM Portfolio, which became effective following Commission order and approval of the KEEIA 2023 – 2026 DSM Portfolio under Docket No. XX-XXXX-XXX-XXX.

"Program Costs" (PC) means any prudently incurred program expenditures, including such items as program planning, program design; administration; delivery; end-use measures and incentive payments; advertising expense; evaluation, measurement, and verification; market potential studies; and other costs necessary to deliver approved programs.

"Earnings Opportunity" (EO) means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

"Recovery Period" (RP) includes the twelve-month period beginning July 1, 2024 through June 30, 2025 and each twelve-month period thereafter.

"Weighted Average Cost of Capital (WACC)'" means the return on rate base used to determine the revenue requirement in the Company's most recently completed general rate proceeding.

DETERMINATION OF ENERGY EFFICIENCY FACTOR RATES:

The Energy Efficiency Factor (EE Factor) during each applicable EP is a dollar per kWh rate for each non-lighting rate schedule calculated as follows:

EE Factor = [PC + TD + EO + TRUE]/PE

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Where:

PC = Actual Program Costs incurred for the applicable EP. Such amounts shall include monthly interest on cumulative over- or under-balances at the Company's WACC.

TD = Throughput Disincentive is the Company's TD calculated by the Company during the applicable EP. See below for the detailed methodology for calculating the TD. Such amounts shall include monthly carrying costs on cumulative over- or under- balances at the Company's WACC.

EO = Earnings Opportunity is equal to the Earnings Opportunity Award means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Energy Efficiency Rider applies during the applicable RP.

The EE factor components and total EE Factor applicable to the Residential and Non-Residential rate schedules shall be rounded to the nearest $0.00001.

CALCULATION OF TD:

Monthly Throughput Disincentive = the sum of the Throughput Disincentive Calculation for all programs applicable to (1) Residential and (2) Non-Residential customers.

Throughput Disincentive Calculation:

The Throughput Disincentive Calculation for each program shall be determined by the formula:

$$TD\$ = MS \times NMR$$

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Where:

TD$ = Throughput Disincentive Dollars to be collected for a given calendar month, for a given class.

NMR = Net Margin Revenue. Net Margin revenue values for each class are provided below in the Net Margin Revenue Rates By Class By Month table.

MS = The sum of all Programs' Monthly Savings in kWh, for a given month, for a given class. The Monthly Savings in kWh for each Program shall be determined by the formula:

$$MS = (MASCM + CASPM – RB) \times LS + HEE$$

RB = Rebasing Adjustment. The Rebasing Adjustment shall equal the CAS defined below applicable as of the date used for the KEEIA normalization in any general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio. In the event more than one general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio, the Rebasing Adjustment shall include each and every prior Rebasing Adjustment calculation.

LS = Load Shape. The Load Shape is the monthly load shape percent for each program as follows:

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO
(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 9

EVERGY KANSAS METRO RATE AREA
(Territory to which schedule is applicable)

which was filed ~~June 30, 2020~~June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 9 of 14 Sheets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Program Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Whole Business Efficiency	8.117%	7.809%	8.087%	8.291%	9.156%	8.765%	9.264%	8.805%	7.652%	8.337%	8.021%	7.695%	100.000%
Hard-to-Reach Businesses	7.805%	7.539%	7.881%	8.365%	9.589%	9.288%	9.810%	8.999%	7.486%	8.080%	7.742%	7.416%	100.000%
Business Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%
Business Energy Education	8.179%	8.120%	8.098%	8.325%	8.469%	7.799%	8.543%	8.495%	7.907%	9.084%	8.687%	8.294%	100.000%
Whole Home Efficiency	7.414%	6.352%	6.378%	5.881%	7.592%	12.023%	12.404%	12.462%	9.699%	6.203%	6.387%	7.204%	100.000%
Home Energy Education	7.702%	7.150%	8.021%	7.853%	8.530%	8.863%	9.385%	9.398%	8.511%	8.612%	7.952%	8.023%	100.000%
Hard-to-Reach Homes	5.945%	4.702%	3.666%	3.687%	7.312%	16.682%	17.456%	17.112%	11.193%	3.296%	3.617%	5.330%	100.000%
Home Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%

Where:

MC = Measure Count. Measure Count, for a given month, for a given class, for each measure is the number of each measure installed in the current calendar month.

ME = Measure Energy. Measure Energy will be determined as follows, for each Measure:

i. Prior to finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure times the NTG factors defined in the Technical Resource Manual (TRM).

ii. After finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the updated TRM (which will be updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of KEEIA 2023 – 2026 DSM Portfolio).

iii. For Custom Measures the ME will be the annual kWh savings calculated and reported monthly by the program implementers and aggregated by program and by customer class.

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ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

MAS = The sum of MC multiplied by ME for all measures in a program in the current calendar month.

CAS = Cumulative sum of MAS for each program for the KEEIA 2023 – 2026 DSM Portfolio

CM = Current calendar month

PM = Prior calendar month

HEE = Monthly kWh savings for the Home Energy Education program measured and reported monthly by the program implementer.

Measure – Energy efficiency measures described for each program in the Technical Resource Manual.

Programs – KEEIA 2023 – 2026 DSM Portfolio programs.

TRM – Commission-Approved Technical Resource Manual updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of KEEIA the 2023 – 2026 DSM Portfolio.

EARNINGS OPPORTUNITY:

The annual KEEIA EO Award shall be calculated using the Earnings Opportunity Matrix below. The EO target at 100% is $5,991,301. The EO cannot go above $7,335,349. The cap is based on current program levels. If Commission- approved new programs are added during the approved program period, the Company may seek Commission approval to have the targets and cap of the EO increase proportionately to the increase in savings targets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

OTHER PROVISIONS:

The Company shall file an update to NMR rates by month by class contemporaneous with filing any compliance tariff sheets in any general rate case reflecting the rates set in that case, and the billing determinants used in setting rates in that case.

Annual kWh savings per measure will be updated prospectively in the TRM no later than 24 months after the commencement of the KEEIA 2023 – 2026 DSM Portfolio based on EM&V ex-post gross adjustments determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

KEEIA NTG factors will be updated prospectively in the TRM no later than 24 months after the commencement of the KEEIA 2023 – 2026 DSM Portfolio based on EM&V net-to-gross percentages for each program determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

FILING:

After the initial EE Rider rate adjustment filing, the Company shall make an Energy Efficiency Rider rate adjustment filing by March 31 following each program year to take effect each twelve-month period beginning in July and ending in June under the Term of this Energy Efficiency Rider.

EE Factors for the billing months of July 2024 through June 2025 are as follows:

Residential - $0.00000
Non-Residential - $0.00000

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO

(Name of Issuing Utility)

EVERGY KANSAS METRO RATE AREA

(Territory to which schedule is applicable)

SCHEDULE EE

Replacing Schedule EE Sheet 12

which was filed ~~June 30, 2020~~June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

NET MARGIN REVENUE RATES BY CLASS BY MONTH:

Customer Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Residential	$0.075300	$0.076200	$0.076780	$0.077390	$0.082170	$0.102590	$0.104940	$0.104940	$0.101690	$0.081780	$0.077800	$0.076380
Non-Residential - SGS	$0.083130	$0.086180	$0.089830	$0.091090	$0.096080	$0.111090	$0.111970	$0.111240	$0.107700	$0.094880	$0.090140	$0.086290
Non-Residential - MGS	$0.065020	$0.067370	$0.071180	$0.071450	$0.075680	$0.084470	$0.086370	$0.086060	$0.083920	$0.075060	$0.071960	$0.066910
Non-Residential - LGS	$0.051220	$0.052950	$0.054250	$0.055120	$0.056690	$0.061790	$0.062270	$0.061920	$0.060790	$0.056780	$0.054070	$0.052460

EARNINGS OPPORTUNITY MATRIX:

No.	Metric	Programs	Target	Target Unit	2023-2026 EO Target	EO Amount per Target Unit	$/Unit	Cycle EO Cap %	2023-2026 EO Cap
1	Education & Awareness: criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	100%	Threshold Metrics	[illegible]	[illegible]	$	100%	[illegible]
2	Hard to Reach customer participation: criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	100%	Threshold Metrics	[illegible]	[illegible]	$	100%	[illegible]
3	EE & CE MWh: criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	68,986	MWh	[illegible]	$21.76	$/MWh	125%	[illegible]
4	EE MW: criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	22.98484368	MW	[illegible]	[illegible]	$/MW	125%	[illegible]
5	Business and Residential Demand Response MW impact: annual MW reduction capability	Home Demand Response Business Demand Response	46.66821745	MW	[illegible]	[illegible]	$/MW	125%	[illegible]
	Total Forecasted Earnings Opportunity				$6,620,359				$8,121,672

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO

(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 13

EVERGY KANSAS METRO RATE AREA

(Territory to which schedule is applicable)

which was filed ~~June 30, 2020~~June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

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ENERGY EFFICIENCY RIDER

(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

ANNUAL EARNINGS OPPORTUNITY CALCULATION:

Evergy Kansas Metro KEEIA 2023-2026 DSM Plan EO Annual Calculation

No.	Metric	Programs	Source of Inputs	EO Criterion and Calculation
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	The EM&V report will include documentation of all community events held, # of customers completing online energy tools and the customer surveys.	The performance metric will be based on key indicators of effective and widespread education of customers during the period. 1) Community Events held quarterly w/ documentation (4 / year) 2) minimum of 10% eligible customers completing online energy analysis yearly 3) EM&V customer survey of awareness of programs greater than 50% If all three criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	That actual spend will be reported directly out of the Company's accounting system and included in the EM&V report. The business customer # of participants by rate code will be provided in the final EM&V report for the calculation of % of participation	The performance metric will be based on key indicators of participation of hard-to-reach customers during the period. 1) Actual spend for Hard-to-Reach Home program exceeds 85% of approved annual budget 2) Ratio of participants with small business rate codes in the Hard-to-Reach Business and Whole Business Efficiency to total participants exceeds 20% If both criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	The EM&V report will include a subtotal of portfolio energy savings matching the definition of this performance metric for each program year.	Evaluated net MWh for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO
(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 1

EVERGY KANSAS METRO RATE AREA
(Territory to which schedule is applicable)

which was filed June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 1 of 13 Sheets

ENERGY EFFICIENCY RIDER
LEGACY ENERGY EFFICIENCY PROGRAMS

AVAILABILITY:

This Energy Efficiency (EE) Rider (Schedule EE) shall be applicable to all non-lighting Kansas Retail Rate Schedules for Evergy Kansas Metro.

PURPOSE:

This EE Rider is designed to recover all costs associated with the following Commission-approved Income-Eligible, Energy Efficiency and Demand Response schedules: (1) IEW; (2) PT; (3) BOC; (4) ER; (5) CHP; (6) NH; (7) RHER; (8) RSTP; and (9) DRI. Evergy Kansas Metro will file a new EE Rider no later than March 31 of each year to recover EE Program costs incurred during the prior calendar year for recovery over the following July through June period.

BASIS:

Program Costs will be recovered using an EE factor applied to each customer's bill. The EE factor will be applied to the customer's usage on a kilowatt-hour basis ($/kWh). Retail customer charges for EE Program Costs are determined by multiplying the kilowatt-hours of electricity billed by the corresponding EE factor. The customer charges associated with this EE Rider will be identified and shown as a separate line on the customer's bill.

ENERGY EFFICIENCY RIDER AMOUNT CALCULATION:

A separate EE factor will be calculated for each customer class based upon the demand allocator and total kWh for each class. The EE factor (EEF) for each customer class will be calculated to recover the Program Costs for approved EE Programs from the specified period plus any applicable true up amount from the prior period by applying a class Demand Allocator and then dividing by the total kilowatt-hours (kWh) for that class as follows:

$$EEF_{(class)} = \frac{(EEC_n + TRUE_{n-1}) \times DA_{(class)}}{KWH_{n\ (class)}}$$

Issued December 17 2021
Month Day Year

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Month Day Year

By _____
Darrin Ives, Vice President

ENERGY EFFICIENCY RIDER
LEGACY ENERGY EFFICIENCY PROGRAMS

Where:

EEC_n = All actual costs associated with Commission-approved EE Programs incurred during the applicable time-period (n). These costs are recorded in a deferred regulatory asset account established to accumulate the Kansas jurisdictional costs of all EE Programs.

$TRUE_{n-1}$ = The annual true-up amount for an EE Rider year, to be determined prior to filing the next EE Rider and to be applied to the subsequent EE factor calculation. The true-up amount will reflect any difference between the total EE revenue collected and the actual costs (EEC_n) for the previous applicable time-period (n-1). Such true-up amount may be positive or negative. The true-up amount used to calculate the EEF for the first EE Rider equals zero.

$DA_{(class)}$ = The demand allocator for the applicable non-lighting classes. This demand allocator shall be based on the 12-CP allocator utilized by the Company for its Class Cost of Service Study in the most recent Kansas retail rate case.

$KWH_{n\ (class)}$ = The actual kWh electric sales for the Kansas jurisdiction for the applicable time-period (n) of the Class Cost of Service Study for the applicable class.

TERM:

This EE Rider shall remain in effect until such time the Commission-approved amount is recovered. In the event the Commission rules on, or a law is passed regarding treatment of such expenses, then Evergy Kansas Metro shall have the right to file for Commission approval of a compliant recovery methodology to replace or revise this EE Rider. Evergy Kansas Metro shall have the right to continue recovery under this EE Rider until such time a replacement methodology is approved and implemented or all Commission-approved amounts are recovered.

NOTES TO THE TARIFF:

1. The references to Accounts within the EE tariff are as defined in the FERC uniform system of accounts.
2. The EEC factor will be expressed in dollars per kilowatt-hour (kWh) rounded to five decimal places.

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO
(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 3

EVERGY KANSAS METRO RATE AREA
(Territory to which schedule is applicable)

which was filed June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 3 of 13 Sheets

ENERGY EFFICIENCY RIDER
LEGACY ENERGY EFFICIENCY PROGRAMS

EE FACTORS FOR JULY 1, 2021 THROUGH JUNE 30, 2022 USAGE:

1.	Residential Service	$0.00010/kWh
2.	Small General Service	$0.00009/kWh
3.	Medium General Service	$0.00009/kWh
4.	Large General Service	$0.00008/kWh

Issued December (Month) 17 (Day) 2021 (Year)

Effective _____ (Month) _____ (Day) _____ (Year)

By _____
Darrin Ives, Vice President

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ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

TRANSITION FROM LEGACY ENERGY EFFICIENCY PROGRAMS TO KEEIA 2023-2026 DSM PORTFOLIO:

As Evergy Kansas Metro transitions from the Legacy Energy Efficiency Programs (Legacy Programs), it is anticipated that Energy Efficiency (EE) Costs in 2021 and True-Up for the preceding Energy Efficiency Rider year will be filed in March 2022 for recovery over the period from July 2022 through June 2023. Further, EE Costs in 2022 and True-Up for the preceding Energy Efficiency Rider year will be filed in March 2023 for recovery over the period from July 2023 through June 2024.

APPLICABLE:

This Energy Efficiency Rider shall be applicable to all non-lighting Kansas Retail Rate Schedules for Evergy Kansas Metro. The Energy Efficiency Rider will be calculated and applied separately to Residential and Non-Residential customer classes.

PURPOSE:

This Energy Efficiency Rider is filed in compliance with the Commission's Order in Docket No. XX-XXXX-XXX-XXX and is designed to recover costs associated with Commission approved KEEIA 2023 – 2026 DSM Portfolio deferred but not recovered and any remaining unrecovered charges from the Company's Legacy Energy Efficiency Programs. Those charges include:

1) Program Costs (PC), Throughput Disincentive (TD), and Earnings Opportunity Award (EO) (if any) for the KEEIA 2023 – 2026 DSM Portfolio and any true-up associated with Legacy Programs. Program Costs (PC) and Throughput Disincentive (TD) will include interest carrying costs at the Company's pretax Weighted Average Cost of Capital (WACC) on the unrecovered balances.

2) Reconciliations, with interest, to true-up for differences between the revenues billed under this Energy Efficiency Rider and total actual monthly amounts for:

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

i. Program Costs (PC) incurred.
ii. Throughput Disincentive (TD) incurred.
iii. Amortization of any Earnings Opportunity Award (EO) ordered by the Kansas Corporation Commission (Commission)
iv. Remaining unrecovered amounts associated with Legacy Programs.

BASIS FOR CHARGE:

Energy Efficiency incremental program costs will be recovered using an Energy Efficiency (EE) factor applied to each applicable customer's bill. The EE factor will be applied to each applicable customer's energy usage by multiplying the kilowatt-hours (kWh) of electricity billed by the EE factor for the respective Residential and Non-Residential customer class. The charge associated with this Energy Efficiency Rider will be identified and shown as a separate line on the applicable customer's monthly billings.

DEFINITIONS:

As used in this Energy Efficiency Rider, the following definitions shall apply:

"Throughput Disincentive" (TD) is meant to represent the utility's lost margins associated with the successful implementation of the KEEIA programs.

"Effective Period" (EP) means the year beginning with January 2023, and each year thereafter until all allowed charges associated with the approved KEEIA 2023 – 2026 DSM Portfolio are recovered.

"Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the utility's program delivery and oversight and to estimate and/or verify the estimated actual energy and demand savings, cost effectiveness, and other effects from demand-side programs.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

"Incentive" means any consideration provided by the Company, including buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of program measures.

"KEEIA 2023 – 2026 DSM Portfolio" consists of the demand-side programs and the Energy Efficiency Rider described in the KEEIA 2023 – 2026 DSM Portfolio, which became effective following Commission order and approval of the KEEIA 2023 – 2026 DSM Portfolio under Docket No. XX-XXXX-XXX-XXX.

"Program Costs" (PC) means any prudently incurred program expenditures, including such items as program planning, program design; administration; delivery; end-use measures and incentive payments; advertising expense; evaluation, measurement, and verification; market potential studies; and other costs necessary to deliver approved programs.

"Earnings Opportunity" (EO) means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

"Recovery Period" (RP) includes the twelve-month period beginning July 1, 2024 through June 30, 2025 and each twelve-month period thereafter.

"Weighted Average Cost of Capital (WACC)'" means the return on rate base used to determine the revenue requirement in the Company's most recently completed general rate proceeding.

DETERMINATION OF ENERGY EFFICIENCY FACTOR RATES:

The Energy Efficiency Factor (EE Factor) during each applicable EP is a dollar per kWh rate for each non-lighting rate schedule calculated as follows:

EE Factor = [PC + TD + EO + TRUE]/PE

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Where:

PC = Actual Program Costs incurred for the applicable EP. Such amounts shall include monthly interest on cumulative over- or under-balances at the Company's WACC.

TD = Throughput Disincentive is the Company's TD calculated by the Company during the applicable EP. See below for the detailed methodology for calculating the TD. Such amounts shall include monthly carrying costs on cumulative over- or under- balances at the Company's WACC.

EO = Earnings Opportunity is equal to the Earnings Opportunity Award means the annual incentive ordered by the Commission based on actual performance verified through EM&V against planned targets.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Energy Efficiency Rider applies during the applicable RP.

The EE factor components and total EE Factor applicable to the Residential and Non-Residential rate schedules shall be rounded to the nearest $0.00001.

CALCULATION OF TD:

Monthly Throughput Disincentive = the sum of the Throughput Disincentive Calculation for all programs applicable to (1) Residential and (2) Non-Residential customers.

Throughput Disincentive Calculation:

The Throughput Disincentive Calculation for each program shall be determined by the formula:

$$TD\$ = MS \times NMR$$

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Where:

TD$ = Throughput Disincentive Dollars to be collected for a given calendar month, for a given class.

NMR = Net Margin Revenue. Net Margin revenue values for each class are provided below in the Net Margin Revenue Rates By Class By Month table.

MS = The sum of all Programs' Monthly Savings in kWh, for a given month, for a given class. The Monthly Savings in kWh for each Program shall be determined by the formula:

$$MS = (MASCM + CASPM – RB) \times LS + HEE$$

RB = Rebasing Adjustment. The Rebasing Adjustment shall equal the CAS defined below applicable as of the date used for the KEEIA normalization in any general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio. In the event more than one general rate case resulting in new rates becoming effective during the accrual and collection of TD$ pursuant to KEEIA 2023 – 2026 DSM Portfolio, the Rebasing Adjustment shall include each and every prior Rebasing Adjustment calculation.

LS = Load Shape. The Load Shape is the monthly load shape percent for each program as follows:

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

Program Name	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Whole Business Efficiency	8.117%	7.809%	8.087%	8.291%	9.156%	8.765%	9.264%	8.805%	7.652%	8.337%	8.021%	7.695%	100.000%
Hard-to-Reach Businesses	7.805%	7.539%	7.881%	8.365%	9.589%	9.288%	9.810%	8.999%	7.486%	8.080%	7.742%	7.416%	100.000%
Business Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%
Business Energy Education	8.179%	8.120%	8.098%	8.325%	8.469%	7.799%	8.543%	8.495%	7.907%	9.084%	8.687%	8.294%	100.000%
Whole Home Efficiency	7.414%	6.352%	6.378%	5.881%	7.592%	12.023%	12.404%	12.462%	9.699%	6.203%	6.387%	7.204%	100.000%
Home Energy Education	7.702%	7.150%	8.021%	7.853%	8.530%	8.863%	9.385%	9.398%	8.511%	8.612%	7.952%	8.023%	100.000%
Hard-to-Reach Homes	5.945%	4.702%	3.666%	3.687%	7.312%	16.682%	17.456%	17.112%	11.193%	3.296%	3.617%	5.330%	100.000%
Home Demand Response	1.864%	1.561%	1.245%	2.153%	7.472%	20.996%	22.390%	22.384%	14.106%	2.290%	1.409%	2.129%	100.000%

Where:

MC = Measure Count. Measure Count, for a given month, for a given class, for each measure is the number of each measure installed in the current calendar month.

ME = Measure Energy. Measure Energy will be determined as follows, for each Measure:

i. Prior to finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure times the NTG factors defined in the Technical Resource Manual (TRM).

ii. After finalization of EM&V for KEEIA Year 1 programs, for Measures not listed under those programs listed in (iii) below, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the updated TRM (which will be updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of KEEIA 2023 – 2026 DSM Portfolio).

iii. For Custom Measures the ME will be the annual kWh savings calculated and reported monthly by the program implementers and aggregated by program and by customer class.

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

MAS = The sum of MC multiplied by ME for all measures in a program in the current calendar month.

CAS = Cumulative sum of MAS for each program for the KEEIA 2023 – 2026 DSM Portfolio

CM = Current calendar month

PM = Prior calendar month

HEE = Monthly kWh savings for the Home Energy Education program measured and reported monthly by the program implementer.

Measure – Energy efficiency measures described for each program in the Technical Resource Manual.

Programs – KEEIA 2023 – 2026 DSM Portfolio programs.

TRM – Commission-Approved Technical Resource Manual updated based on EM&V ex-post gross adjustments and NTG factors determined for Year 1 no later than 24 months after the commencement of KEEIA the 2023 – 2026 DSM Portfolio.

EARNINGS OPPORTUNITY:

The annual KEEIA EO Award shall be calculated using the Earnings Opportunity Matrix below. The EO target at 100% is $5,991,301. The EO cannot go above $7,335,349. The cap is based on current program levels. If Commission- approved new programs are added during the approved program period, the Company may seek Commission approval to have the targets and cap of the EO increase proportionately to the increase in savings targets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

OTHER PROVISIONS:

The Company shall file an update to NMR rates by month by class contemporaneous with filing any compliance tariff sheets in any general rate case reflecting the rates set in that case, and the billing determinants used in setting rates in that case.

Annual kWh savings per measure will be updated prospectively in the TRM no later than 24 months after the commencement of the KEEIA 2023 – 2026 DSM Portfolio based on EM&V ex-post gross adjustments determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

KEEIA NTG factors will be updated prospectively in the TRM no later than 24 months after the commencement of the KEEIA 2023 – 2026 DSM Portfolio based on EM&V net-to-gross percentages for each program determined for Year 1 and annually thereafter upon finalization of each subsequent program year EM&V report.

FILING:

After the initial EE Rider rate adjustment filing, the Company shall make an Energy Efficiency Rider rate adjustment filing by March 31 following each program year to take effect each twelve-month period beginning in July and ending in June under the Term of this Energy Efficiency Rider.

EE Factors for the billing months of July 2024 through June 2025 are as follows:

Residential - $0.00000
Non-Residential - $0.00000

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO

(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 12

EVERGY KANSAS METRO RATE AREA

(Territory to which schedule is applicable)

which was filed June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 12 of 13 Sheets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

NET MARGIN REVENUE RATES BY CLASS BY MONTH:

Customer Class	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec
Residential	$0.075300	$0.076200	$0.076780	$0.077390	$0.082170	$0.102590	$0.104940	$0.104940	$0.101690	$0.081780	$0.077800	$0.076380
Non-Residential - SGS	$0.083130	$0.086180	$0.089830	$0.091090	$0.096080	$0.111090	$0.111970	$0.111240	$0.107700	$0.094880	$0.090140	$0.086290
Non-Residential - MGS	$0.065020	$0.067370	$0.071180	$0.071450	$0.075680	$0.084470	$0.086370	$0.086060	$0.083920	$0.075060	$0.071960	$0.066910
Non-Residential - LGS	$0.051220	$0.052950	$0.054250	$0.055120	$0.056690	$0.061790	$0.062270	$0.061920	$0.060790	$0.056780	$0.054070	$0.052460

EARNINGS OPPORTUNITY MATRIX:

No.	Metric	Programs	Target	Target Unit	2023-2026 EO Target	EO Amount per Target Unit	$/Unit	Cycle EO Cap %	2023-2026 EO Cap
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	100%	Threshold Metrics	$173,026	$173,026.17	$	100%	$173,026
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	100%	Threshold Metrics	$442,081	$442,081.48	$	100%	$442,081
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	68,986	MWh	$1,501,313	$21.76	$/MWh	125%	$1,876,641
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	22.98484368	MW	$2,702,363	$117,571.52	$/MW	125%	$3,377,954
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	46.66821745	MW	$1,801,575	$38,603.90	$/MW	125%	$2,251,969
	Total Forecasted Earnings Opportunity				$6,620,359				$8,121,672

Issued December 17 2021
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Effective _____
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By _____
Darrin Ives, Vice President

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THE STATE CORPORATION COMMISSION OF KANSAS

EVERGY METRO, INC., d.b.a. EVERGY KANSAS METRO

(Name of Issuing Utility)

SCHEDULE EE

Replacing Schedule EE Sheet 13

EVERGY KANSAS METRO RATE AREA

(Territory to which schedule is applicable)

which was filed June 29, 2021

No supplement or separate understanding shall modify the tariff as shown hereon.

Sheet 13 of 13 Sheets

ENERGY EFFICIENCY RIDER
(KEEIA 2023-2026 DSM Portfolio Approved Under Kansas Energy Efficiency Investment Act)

ANNUAL EARNINGS OPPORTUNITY CALCULATION:

Evergy Kansas Metro KEEIA 2023-2026 DSM Plan EO Annual Calculation

No.	Metric	Programs	Source of Inputs	EO Criterion and Calculation
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	The EM&V report will include documentation of all community events held, # of customers completing online energy tools and the customer surveys.	The performance metric will be based on key indicators of effective and widespread education of customers during the period. 1) Community Events held quarterly w/ documentation (4 / year) 2) minimum of 10% eligible customers completing online energy analysis yearly 3) EM&V customer survey of awareness of programs greater than 50% If all three criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	That actual spend will be reported directly out of the Company's accounting system and included in the EM&V report. The business customer # of participants by rate code will be provided in the final EM&V report for the calculation of % of participation	The performance metric will be based on key indicators of participation of hard-to-reach customers during the period. 1) Actual spend for Hard-to-Reach Home program exceeds 85% of approved annual budget 2) Ratio of participants with small business rate codes in the Hard-to-Reach Business and Whole Business Efficiency to total participants exceeds 20% If both criteria are met, annual EO will equal 25% of the Cycle 1 EO Target, if any criteria are not met the annual EO will equal $0
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	The EM&V report will include a subtotal of portfolio energy savings matching the definition of this performance metric for each program year.	Evaluated net MWh for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	The EM&V report will include a subtotal of portfolio demand savings matching the definition of this performance metric for each program year.	Evaluated net MW for subject programs times the EO Amount per Target Unit, subject to limitation of the Cycle EO Cap.

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Evergy Kansas Central KEEIA 2023-2026 DSM Portfolio EO Matrix

No.	Metric	Programs	Target	Target Unit	2023-2026 EO Target	EO Amount per Target Unit	$/Unit	Cycle EO Cap %	2023-2026 EO Cap
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	100%	Threshold Metrics	$561,983	$561,982.97	$	100%	$561,983
2	Hard to Reach customer participation : criteria will be $ invested and customers participating	Hard-to-Reach Homes Hard-to-Reach Businesses	100%	Threshold Metrics	$1,344,760	$1,344,760.15	$	100%	$1,344,760
3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	161,484	MWh	$4,148,093	$25.69	$/MWh	125%	$5,185,117
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	58	MW	$7,466,568	$127,821.02	$/MW	125%	$9,333,210
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	109	MW	$4,977,712	$45,735.91	$/MW	125%	$6,222,140
	Total Forecasted Earnings Opportunity				**$18,499,117**				**$22,647,210**

Evergy Kansas Metro KEEIA 2023-2026 DSM Portfolio EO Matrix

No.	Metric	Programs	Target	Target Unit	2023-2026 EO Target	EO Amount per Target Unit	$/Unit	Cycle EO Cap %	2023-2026 EO Cap
1	Education & Awareness : criteria will be customer opportunities and customers engaged	Home Energy Education Business Energy Education	100%	Threshold Metrics	$173,026	$173,026.17	$	100%	$173,026
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3	EE & DR MWh : criteria will be first-year cumulative incremental MWh.	Whole Home Efficiency Home Demand Response Whole Business Efficiency Pilot Incubator	68,986	MWh	$1,501,313	$21.76	$/MWh	125%	$1,876,641
4	EE MW : criteria will be first-year cumulative incremental MW coincident with system peak.	Whole Home Efficiency Whole Business Efficiency Pilot Incubator	22.985	MW	$2,702,363	$117,571.52	$/MW	125%	$3,377,954
5	Business and Residential Demand Response MW impact : annual MW reduction capability	Home Demand Response Business Demand Response	46.668	MW	$1,801,575	$38,603.90	$/MW	125%	$2,251,969
	Total Forecasted Earnings Opportunity				**$6,620,359**				**$8,121,672**