

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY
MEEIA CYCLE II APPLICATION
Case No. EO-2025-0124
APPENDIX B: PROGRAM DESCRIPTIONS

Residential Programs

Smart Thermostats

Objective	Raise customer awareness of the benefits of smart thermostats to control energy use in their homes and to connect thermostats to the related demand response program.											
Target Market	Residential customers.											
Description	<p>Customers are eligible to purchase qualifying smart thermostats through the on-line store. Customers that participate receive instant incentives at the point-of-purchase. Incentives will vary depending upon the type of thermostat, manufacturer, and the associated retail cost.</p> <p>Residential customers are also eligible to receive energy advice through an online energy audit tool available at no cost. The evaluation identifies potential energy efficiency upgrades, educates the customer on managing energy consumption, and provides further information on Liberty’s other energy efficiency programs. Customers may order recommended thermostats following the completion of an online audit through the online marketplace. The online marketplace will be available to all customers to purchase thermostats regardless of their participation in the online energy audit tool.</p>											
Implementation	<p>Online</p> <p>Liberty will work with a third-party implementation contractor to:</p> <ul style="list-style-type: none"> • Design and develop opportunities for customers to participate in the online audit tool, browse the marketplace and purchase qualifying thermostats. Thermostats through the online marketplace will offer instant rebates. • Implementation vendor will fulfill online orders, provide customer service and advisory support. • Assist with program marketing and outreach. • Track and process program performance, sales data and periodically report program activities, progress towards goals, and opportunities for improvement. • Create a direct path for participation in the Company’s residential demand response program. <p>Activities will include in the promotion of the marketplace with Liberty specific branding, utility-specific interfaces, efforts to raise awareness of the program, validating customer eligibility and processing incentives.</p>											
Eligible Measures and Incentives	<table border="1" data-bbox="430 1451 1349 1577"> <thead> <tr> <th>Measure</th> <th>Unit</th> <th>Incentive range per Unit 2025-2027</th> </tr> </thead> <tbody> <tr> <td>Online Audit Tool</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>Advanced Thermostat</td> <td>Per Unit</td> <td>\$50.00-\$75.00</td> </tr> </tbody> </table>			Measure	Unit	Incentive range per Unit 2025-2027	Online Audit Tool	N/A	N/A	Advanced Thermostat	Per Unit	\$50.00-\$75.00
Measure	Unit	Incentive range per Unit 2025-2027										
Online Audit Tool	N/A	N/A										
Advanced Thermostat	Per Unit	\$50.00-\$75.00										
Estimated Participation	<table border="1" data-bbox="430 1661 954 1766"> <thead> <tr> <th>Measure</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Online Audit Tool</td> <td>5,000</td> </tr> <tr> <td>Advanced Thermostat</td> <td>9,270</td> </tr> </tbody> </table>			Measure	Total	Online Audit Tool	5,000	Advanced Thermostat	9,270			
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Estimated Savings	Net MWh Savings	Net MW Savings
	Total	Total
	9,203	1.45
Estimated Budget	Budget Category	Total
	Incentives	\$463,500
	Marketing	77,273
	Administration	170,000
	EM&V	-
	Total	\$710,773

Residential Demand Response

Objective	Deliver demand reductions during peak periods through the control of thermostats in customer locations.
Target Market	All single-family residential customers with direct control of their HVAC system.
Description	A direct load control (“DLC”) program enabled through Wi-Fi connected thermostats in customers’ homes. Liberty will work with various smart thermostat manufacturers and anticipates entry into the program through multiple channels including bring your own device, customer self-install and direct installs for low-income customers. Liberty will partner with a demand response software provider who will remotely call events. An event will be called in coordination with peak demand in SPP. During an event, there may be a consistent change of temperature in a home or cycling a customer’s HVAC system to reduce demand. Customers will be compensated during the initial enrollment period and on a periodic basis (seasonally or annually) based on the number of events they participate in. Customers will be allowed to opt out of a single event without impact to their incentive tied to participation.

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<p>Implementation</p>	<p>Liberty will engage a third-party contractor to implement the program. An implementation contractor will:</p> <ul style="list-style-type: none"> Recruit and engage customers to participate in the program. Engage customers once enrolled and provide customer service support. Establish relationships with local contractors to work with the program installing thermostats for qualifying low-income customers. The cost of the thermostats and installation will be shared with the Smart Thermostat program. Process program incentives, including the review and verification of event participation. Track program performance, including customer and contractor participation as well as quality assurance/quality control (QA/QC). Periodically report program progress. <p>Liberty will work with the implementation contractor to market the program to residential customers. Marketing will focus on informing customers about the availability and benefits of the program and how to participate. Marketing activities will also target qualifying low-income customers.</p> <p>It is important that customers understand the value and implications of participating in the program. For measures installed through the program, Liberty and/or the implementation contractor should conduct QA/QC of a random group of completed installations and contractor(s). The QA/QC process should include verification of the equipment installed and customer satisfaction with the contractor and the program.</p>												
<p>Estimated Participation</p>	<table border="1"> <thead> <tr> <th>Measure</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Enrolled Customers</td> <td>4,736</td> </tr> </tbody> </table>	Measure	Total	Enrolled Customers	4,736								
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<p>Estimated Budget</p>	<table border="1"> <thead> <tr> <th>Budget Category</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Incentives</td> <td>\$309,160</td> </tr> <tr> <td>Marketing</td> <td>77,273</td> </tr> <tr> <td>Administration</td> <td>472,500</td> </tr> <tr> <td>EM&V</td> <td>-</td> </tr> <tr> <td>Total</td> <td>\$858,933</td> </tr> </tbody> </table>	Budget Category	Total	Incentives	\$309,160	Marketing	77,273	Administration	472,500	EM&V	-	Total	\$858,933
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Liberty Energy Upgrade Program

Objective	Improve the energy performance and safety of homes, reduce energy costs, and support the transition to cleaner, more sustainable energy to eligible customers in single family and multi-family dwellings of 1-3 units.								
Target Market	Income eligible residential customers that own or rent a single-family residence or reside in a unit in a 1–3-unit building.								
Description	<p>Income eligible customers receive free in-home evaluations, customized recommendations for energy upgrades that support the installation of energy efficiency measures.</p> <p>Customers are eligible to receive funding for minor repairs and upgrades that facilitate installation of energy efficient improvements described as Custom Energy Upgrades These may include but are not limited to:</p> <ul style="list-style-type: none"> • replacement of electric furnaces that are 10 years or older with energy-efficient heat pumps • replacement of electric water heaters that are non-functional or leaking • electrical system upgrades to accommodate increased load of a new heat pump • electrical upgrades to mitigate knob-and-tube wiring barriers • roof replacements 								
Implementation	<p>Liberty will engage with local community qualified income assistance agencies as the primary path for program delivery. Local agencies will have the flexibility to transfer funds between agencies as long as both agencies agree to the transfer of funds and funds are spent efficiently within the regulated timeframe.</p> <p>Liberty will work with the local agency to build awareness of the program across Liberty customers. Customer marketing activities may include, but are not limited to bill inserts, website promotion, email blasts, bill messaging and community events.</p>								
Eligible Measures and Incentives	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr style="background-color: #2c4e64; color: white;"> <th style="width: 60%;">Measure</th> <th style="width: 15%;">Unit</th> <th style="width: 25%;">Max Incentive per Unit 2025-2026</th> </tr> </thead> <tbody> <tr> <td>Custom Energy Upgrade</td> <td>Per home</td> <td>\$30,000</td> </tr> </tbody> </table>			Measure	Unit	Max Incentive per Unit 2025-2026	Custom Energy Upgrade	Per home	\$30,000
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THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

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Estimated Participation	<table border="1"> <thead> <tr> <th>Measure</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Custom Energy Upgrade</td> <td>60</td> </tr> </tbody> </table>		Measure	Total	Custom Energy Upgrade	60								
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Estimated Budget	<table border="1"> <thead> <tr> <th>Budget Category</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Incentives</td> <td>\$925,068</td> </tr> <tr> <td>Marketing</td> <td>71,050</td> </tr> <tr> <td>Administration</td> <td>152,250</td> </tr> <tr> <td>EM&V</td> <td>-</td> </tr> <tr> <td>Total</td> <td>\$1,148,368</td> </tr> </tbody> </table>		Budget Category	Total	Incentives	\$925,068	Marketing	71,050	Administration	152,250	EM&V	-	Total	\$1,148,368
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Business Programs

C&I Demand Response

Objective	Reduce demand of building loads at commercial and industrial customer sites during peak events.						
Target Market	All commercial and industrial customers.						
Description	<p>The active demand response program is a technology agnostic program available to all commercial and industrial customers to reduce building system loads during peak events. Customers taking part in the program may not be on the Company’s current curtailment.</p> <p>The program will pay the customer or may work directly with their CSPs for demand reduced during an event. Customers will have the opportunity to select the number of events they are willing to participate in during a calendar year. Events will be called during weekdays, and customers may choose to participate in extended time events.</p>						
Implementation	<p>Liberty will work with a third-party implementation contractor to assist in implementation and delivery of the program. The implementation contractor will:</p> <ul style="list-style-type: none"> • Hire and/or provide any training needed for qualified, local individuals to conduct energy evaluations of demand reduction proposals. • Educate and recruit customers into the program. • Aid in development of program materials including program applications and demand reduction contracts for customers. • Execute demand reduction contracts with customers that include the type of load available to be reduced and when the assets are available to be called. • Provide customer support including program onboarding, preseason program training, dispatch communication testing, tracking of customer interactions including complaint resolution. • Track program performance and periodically report progress towards program goals and opportunities for improvement. <p>The program will be marketed through Liberty staff, customer communications and the implementation partner. We will also work directly with CSPs engaging with customers in the market.</p>						
Eligible Measures and Incentives	\$25-75 per MW of reduction						
Estimated Participation	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #2c4e64; color: white;">Measure</th> <th style="background-color: #2c4e64; color: white;">Total</th> </tr> </thead> <tbody> <tr> <td>MW reduction</td> <td style="text-align: center;">9.411</td> </tr> </tbody> </table>	Measure	Total	MW reduction	9.411		
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Estimated Savings	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="background-color: #2c4e64; color: white;">Net MWh Savings</th> <th style="background-color: #2c4e64; color: white;">Net MW Savings</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">Total</td> <td style="text-align: center;">Total</td> </tr> <tr> <td style="text-align: center;">100</td> <td style="text-align: center;">51.67</td> </tr> </tbody> </table>	Net MWh Savings	Net MW Savings	Total	Total	100	51.67
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Total	Total						
100	51.67						

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Estimated Budget	Total	
	Incentives	\$696,414
	Marketing	46,364
	Administration	231,818
	EM&V	-
	Total	\$974,596

C&I Program

Objective	Promote the installation of energy efficient technologies in all size commercial and industrial businesses. Encourage the purchase and installation of energy efficient equipment by providing incentives to lower the incremental cost.
Target Market	Commercial and industrial customers.
Description	<p>The program provides incentives to lower the cost of purchasing energy efficient equipment for commercial and industrial facilities. The program consists of prescriptive and custom rebates.</p> <p>Prescriptive. Pre-qualified prescriptive rebates are available for new construction and retrofit projects.</p> <p>Custom. Equipment that does not qualify for a prescriptive rebate will be eligible for a custom rebate. Applications must be pre-approved by Liberty before equipment is purchased and installed.</p> <p>A \$250,000 incentive cap is imposed per facility per program year. However, if funds are still available in the last three months of the program year, the cap may be exceeded.</p>
Implementation	<p>Liberty will engage a third-party implementation contractor. The contractor will be responsible for:</p> <ul style="list-style-type: none"> Processing customer applications for both prescriptive and custom projects, verifying customer and project eligibility (including pre-approval of custom projects), and processing customer rebates. Conducting QA/QC to verify equipment installation. Providing customer service support. Tracking program performance and periodically reporting progress towards program goals and opportunities for improvement. <p>The program will be marketed through partnerships with Liberty trade allies as well as advertisements, email blasts or targeted mailings to customers and contractors, bill inserts, and trade publications. One key barrier to participation is ensuring that enough vendors are properly educated to allow them to actively engage customers. Therefore, Liberty will work closely with trade allies to ensure they understand and promote the program.</p> <p>The measure list and incentive levels may be updated during the program cycle to reflect changes to the market. Incentives will be modified as needed to respond to market prices, with a goal of the incentive being no higher than 50% of the incremental cost. Proper incentives can reduce free ridership while still encouraging customers to participate in the program.</p>

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Eligible Measures and Incentives	Measure	Unit	Incentive per Unit 2025-2026
	Air Cooled Chiller	per unit	\$3,390.00
Water Cooled Chiller	per unit	\$1,560.00	
Room Air Conditioner (12 EER)	per ton	\$20.00	
CAC <65 kBtu	per ton	\$146.00	
CAC 65<135 kBtu	per ton	\$350.00	
CAC 135<240 kBtu	per ton	\$700.00	
CAC 240<760 kBtu	per ton	\$875.00	
CAC ≥760 kBtu	per ton	\$2,275.00	
Heat Pump <65 kBtu	per ton	\$350.00	
Heat Pump 65<135 kBtu	per ton	\$700.00	
Heat Pump 135<240 kBtu	per ton	\$875.00	
Heat Pump ≥240 kBtu	per ton	\$2,275.00	
Packaged Terminal Air Conditioner	per ton	\$30.00	
Packaged Terminal Heat Pump	per ton	\$30.00	
Guest Room Energy Management	per unit	\$125.00	
Variable Speed Drive - HVAC Pump &Cooling Tower Fans	per unit	\$500.00	
Variable Speed Drive - HVAC Supply &Return Fans	per unit	\$500.00	
Demand Controlled Ventilation	per unit	\$600.00	
ENERGY STAR Steamer	per unit	\$750.00	
ENERGY STAR Dishwasher	per unit	\$30.00	
ENERGY STAR Hot Food Holding Cabinets	per unit	\$500.00	
ENERGY STAR Ice Maker (2018)	per unit	\$30.00	
ENERGY STAR Electric Convection Oven	per unit	\$400.00	
ENERGY STAR Electric Fryer	per unit	\$100.00	
ENERGY STAR Electric Griddle	per unit	\$100.00	
Vending Machine	per unit	\$150.00	
Evaporator Fan Control	per unit	\$87.30	
Strip Curtain for Walk-In Cooler/Freezer	per unit	\$64.39	
Night Covers for Open Refrigerated Display Cases	per unit	\$175.00	
Door Heater Controls (freezers or coolers)	per unit	\$125.00	
Refrigeration Economizer	per unit	\$800.00	
Wall Switch Occupancy Sensor	per unit	\$16.50	
Photocell Occupancy Sensor	per unit	\$16.50	
VFD Fans and Blowers	per unit	\$814.80	
Zero-Loss Condensate Drain	per unit	\$73.20	
Compressed Air Nozzle	per unit	\$12.60	
C&I Custom Rebate	per kWh	\$0.10	

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	Large C&I Custom Rebate	per kWh	\$0.10																																																																				
	<p>Please note that for planning purposes, average unit sizes and estimated quantities were assumed in the development of incremental costs, incentives and total savings for measures. Actual implementation may vary.</p>																																																																						
Estimated Participation	<table border="1"> <thead> <tr> <th data-bbox="431 537 1013 573">Measure</th> <th data-bbox="1013 537 1300 573">Estimated Quantity</th> </tr> </thead> <tbody> <tr><td data-bbox="431 573 1013 611">Air Cooled Chiller</td><td data-bbox="1013 573 1300 611">20</td></tr> <tr><td data-bbox="431 611 1013 648">Water Cooled Chiller</td><td data-bbox="1013 611 1300 648">6</td></tr> <tr><td data-bbox="431 648 1013 686">Room Air Conditioner (12 EER)</td><td data-bbox="1013 648 1300 686">0</td></tr> <tr><td data-bbox="431 686 1013 724">CAC <65 kBtu</td><td data-bbox="1013 686 1300 724">381</td></tr> <tr><td data-bbox="431 724 1013 762">CAC 65<135 kBtu</td><td data-bbox="1013 724 1300 762">28</td></tr> <tr><td data-bbox="431 762 1013 800">CAC 135<240 kBtu</td><td data-bbox="1013 762 1300 800">40</td></tr> <tr><td data-bbox="431 800 1013 837">CAC 240<760 kBtu</td><td data-bbox="1013 800 1300 837">386</td></tr> <tr><td data-bbox="431 837 1013 875">CAC ≥760 kBtu</td><td data-bbox="1013 837 1300 875">131</td></tr> <tr><td data-bbox="431 875 1013 913">Heat Pump <65 kBtu</td><td data-bbox="1013 875 1300 913">30</td></tr> <tr><td data-bbox="431 913 1013 951">Heat Pump 65<135 kBtu</td><td data-bbox="1013 913 1300 951">50</td></tr> <tr><td data-bbox="431 951 1013 989">Heat Pump 135<240 kBtu</td><td data-bbox="1013 951 1300 989">4</td></tr> <tr><td data-bbox="431 989 1013 1026">Heat Pump ≥240 kBtu</td><td data-bbox="1013 989 1300 1026">6</td></tr> <tr><td data-bbox="431 1026 1013 1064">Packaged Terminal Air Conditioner</td><td data-bbox="1013 1026 1300 1064">10</td></tr> <tr><td data-bbox="431 1064 1013 1102">Packaged Terminal Heat Pump</td><td data-bbox="1013 1064 1300 1102">10</td></tr> <tr><td data-bbox="431 1102 1013 1140">Guest Room Energy Management</td><td data-bbox="1013 1102 1300 1140">50</td></tr> <tr><td data-bbox="431 1140 1013 1178">Variable Speed Drive - 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Vending Machine	0																																																																						
Evaporator Fan Control	21																																																																						
Strip Curtain for Walk-In Cooler/Freezer	30																																																																						
Night Covers for Open Refrigerated Display Cases	19																																																																						
Door Heater Controls (freezers or coolers)	30																																																																						
Refrigeration Economizer	4																																																																						
Wall Switch Occupancy Sensor	398																																																																						
Photocell Occupancy Sensor	201																																																																						

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

MEEIA CYCLE II APPLICATION

Case No. EO-2025-0124

APPENDIX B: PROGRAM DESCRIPTIONS

	VFD Fans and Blowers	20												
	Zero-Loss Condensate Drain	0												
	Compressed Air Nozzle	18												
	C&I Custom Rebate	69												
	Electronically commutated motors (ECM) for walk-in and reach-in coolers / freezers	11												
<p>Please note that for planning purposes, average unit sizes and estimated quantities were assumed in the development of incremental costs, incentives and total savings for measures. Actual implementation may vary.</p>														
Estimated Savings	<table border="1"> <thead> <tr> <th>Net MWh Savings</th> <th>Net MW Savings</th> </tr> </thead> <tbody> <tr> <td>Total</td> <td>Total</td> </tr> <tr> <td>18,253</td> <td>3.48</td> </tr> </tbody> </table>		Net MWh Savings	Net MW Savings	Total	Total	18,253	3.48						
	Net MWh Savings	Net MW Savings												
	Total	Total												
	18,253	3.48												
Estimated Budget	<table border="1"> <thead> <tr> <th>Budget Category</th> <th>Total</th> </tr> </thead> <tbody> <tr> <td>Incentives</td> <td>\$3,465,366</td> </tr> <tr> <td>Marketing</td> <td>50,750</td> </tr> <tr> <td>Administration</td> <td>609,000</td> </tr> <tr> <td>EM&V</td> <td>-</td> </tr> <tr> <td>Total</td> <td>4,125,116</td> </tr> </tbody> </table>		Budget Category	Total	Incentives	\$3,465,366	Marketing	50,750	Administration	609,000	EM&V	-	Total	4,125,116
	Budget Category	Total												
	Incentives	\$3,465,366												
	Marketing	50,750												
	Administration	609,000												
	EM&V	-												
Total	4,125,116													

For ALL TERRITORY

TABLE OF CONTENTS

SECTION A – TABLE OF CONTENTS FOR RATES AND RIDERS

SECTION B – DESCRIPTION OF TERRITORY	SHEET NUMBER
1. Territory Maps.....	1-15
2. Description of Missouri Service Territory.....	16-19
3. Territory Maps.....	20-27a

SECTION 1 – RESIDENTIAL SERVICE

1. Non-Standard Residential Rate Plan, Schedule NS-RG.....	1
2. Time Choice Residential Rate Plan, Schedule TC-RG.....	2
3. Time Choice Plus Residential Rate Plan, Schedule TP-RG.....	3

SECTION 2 – GENERAL SERVICE

1. Non-Standard General Service Rate Plan, Schedule NS-GS.....	1
2. Time Choice General Service Rate Plan, Schedule TC-GS.....	2
3. Time Choice Plus General Service Rate Plan, Schedule TP-GS.....	3
4. Non-Standard Large General Service Rate Plan, Schedule NS-LG.....	4
5. Time Choice Large General Service Rate Plan, Schedule TC-LG.....	5
6. Non-Standard Small Primary Service Rate Plan, Schedule NS-SP.....	6
7. Time Choice Small Primary Service Rate Plan, Schedule TC-SP.....	7
8. Large Power Service, Schedule LP.....	8
9. Transmission Service, Schedule TS.....	9
10. Reserved for Future Use.....	10-12
11. Reserved for Future Use.....	13-14

SECTION 3 – SPECIAL SERVICE

1. Municipal Street Lighting Service, Schedule SPL.....	1
2. LED Street Lighting Pilot – LED.....	1b
3. Private Lighting Service, Schedule PL.....	2
4. Special Lighting Service, Schedule LS.....	3
5. Miscellaneous Service, Schedule MS.....	4
6. Credit Action Fees, Schedule CA.....	5
7. Municipal Street Lighting Service Light Emitting Diode, Schedule SPL-LED.....	6-7
8. Reserved for Future Use.....	8-9
9. Residential Smart Charge Pilot Program, Schedule RG-SCPP.....	10
10. Ready Charge Pilot Program, Schedule RCPP.....	11
11. Commercial Electrification Pilot Program, Schedule CEPP.....	12
12. Electric School Bus Pilot Program, Schedule ESBPP.....	13
13. Non-Road Electrification Pilot Program, Schedule NREPP.....	14
14. Demand Response and Vehicle to Grid Pilot Rates, Schedule EVDR.....	15

SECTION 4 – RIDERS AND OTHER MISCELLANEOUS SERVICES

1. Special or Excess Facilities, Rider XC.....	1
2. Reserved for Future Use.....	2-3
3. Interruptible Service, Rider IR.....	4
4. Average Payment Plan, Rider AP.....	5
5. Cogeneration Purchase Rate, Schedule CP.....	6
6. Renewable Energy Purchase Program, Schedule REP.....	7
7. Promotional Practices, Schedule PRO.....	8
8. Reserved for Future Uses.....	9-11
9. Net Metering Rider, Rider NM.....	12-16
10. Fuel Adjustment Clause, Rider FAC.....	17
11. Optional Time of Use Adjustment, Rider OTOU.....	18-19
12. Empire’s Action to Support the Elderly, Rider EASE.....	20
13. Demand-Side Investment Mechanism Rider, Schedule DSIM.....	21
14. Economic Development, Rider EDR.....	22
15. Solar Rebate Rider, Rider SR.....	23
16. Pilots, Variances, and Promotional Practices Low-Income Pilot Program.....	24
17. Community Solar Pilot Program, Schedule CSPP.....	25
18. Promotional Practices, Schedule PRO Program Descriptions for MEEIA – Cycle 1.....	27
19. Pilots, Variances, and Promotional Practices - Critical Needs Program.....	28
20. Promotional Practices, Schedule PRO Program Descriptions for MEEIA – Cycle 2.....	29

SECTION 5 – RULES AND REGULATIONS

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER
SCHEDULE DSIM
For MEEIA Cycle 2 Plan

APPLICABILITY

This rider is applicable to all non-lighting kilowatt-hours (kWh) of energy supplied to customers under the Company's retail rate schedules, excluding kWh of energy supplied to "opt-out" customers. The Demand Side Investment Mechanism (DSIM) Rider will be calculated and applied separately to the following rate classes: (1) Residential Service (NS-RG, TC-RG, TP-RG) and (2) non-Residential Service, which includes: (a) Small General Service (NS-GS, TC-GS and TP-GS), (b) Large General Service (NS-LG and TC-LG), (c) Small Primary Service (NS-SP and TC-SP), (d) Large Power Service (LP) and (e) Transmission Service (TS).

Charges in this DSIM Rider reflect costs associated with implementation of the Missouri Energy Efficiency Investment Act (MEEIA) Cycle 2 Plan and any remaining unrecovered costs from prior MEEIA Cycle Plans or other approved energy efficiency plans. Those costs include:

- 1) Program Costs, Throughput Disincentive (TD), and Earnings Opportunity Award (EO) (if any) for the MEEIA Cycle 2 Plan, as well as Program Costs, TD and EO for commission approved business program projects completed for prior MEEIA Cycle Plans and any earned Earnings Opportunity earned (and ordered) attributable to prior MEEIA Cycle Plans.
- 2) Reconciliations, with interest, to true-up for differences between the revenues billed under this DSIM Rider and total actual monthly amounts for:
 - i. Program Costs incurred in Cycle 2 and/or remaining unrecovered amounts for prior MEEIA Cycle Plans or other approved energy efficiency plans.
 - ii. TD incurred in Cycle 2, and/or remaining unrecovered amounts for prior MEEIA Cycle Plans.
 - iii. Amortization of any Earnings Opportunity Award (EO) ordered by the Missouri Public Service Commission (Commission), and/or remaining true-ups or unrecovered amounts for prior MEEIA Cycle Plans.
- 3) Any Ordered Adjustments. Charges under this DSIM Rider shall continue after the anticipated plan period of MEEIA Cycle 2 until such time as the costs described in items 1) and 2) above have been billed.

Charges arising from the MEEIA Cycle 2 Plan that are the subject of this DSIM Rider shall be reflected in one "DSIM Charge" on customers' bills in combination with any charges arising from a rider that is applicable to post-MEEIA Cycle 2 Plan demand-side management programs approved under the MEEIA. This will include any unrecovered amounts for Program Costs, unrecovered TD from prior MEEIA Cycle Plans, and any Earnings Opportunity, etc. earned / remaining from prior MEEIA Cycle Plans.

DEFINITIONS

As used in this DSIM Rider, the following definitions shall apply:

"Cycle 2 Earnings Opportunity" (EO) means the annual incentive ordered by the Commission based on actual incentive spending in the EO table, Application Appendix H in Case No. EO-2025-0124. The Company's EO for Cycle 2 will be \$952,238 if 100% achievement of the planned targets are met. EO is capped at \$ 1,025,691. Potential Earnings Opportunity is described on Sheet No. 1. The Earnings Opportunity outlining the payout rates, weightings, and caps can be found at Sheet No. 1.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 4th Revised Sheet No. 21a

Canceling P.S.C. Mo. No. 6 Sec. 4 3rd Revised Sheet No. 21a

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER SCHEDULE DSIM For MEEIA Cycle 2 Plan

"Deemed Savings Table" means a list of Measures derived from the Company's TRM or cost effectiveness analysis that quantifies gross energy and demand savings associated with Company-specific Measure parameters where available, as outlined in Application Appendix C to the MEEIA Cycle 2 Plan in Case No. EO-2025-0124.

"Effective Period" (EP) means the billing months for which the approved DSIM is to be effective, i.e., the 21 billing months beginning with the April billing month of 2025 and ending with the December billing month of 2027.

"Evaluation Measurement & Verification" (EM&V) means the performance of studies and activities intended to evaluate the process of the Company'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, but not limited to, buy downs, markdowns, rebates, bill credits, payments to third parties, direct installation, giveaways, and education, which encourages the adoption of Program Measures.

"Measure" means the Energy Efficiency measures described for each program in the Application Appendix C to the MEEIA Cycle 2 Plan in Case No. EO-2025-0124.

"MEEIA Cycle 2 Plan" consists of the demand-side programs and the DSIM described in the MEEIA Cycle 2 Filing, which became effective following Commission order and approval of the MEEIA Cycle 2 Plan under EO-2025-0124.

"Programs" means MEEIA Cycle 2 programs listed in Tariff Sheet Nos. 29 through 29I and added in accordance with the Commission's rule 20 CSR 4240-20.094(4).

"Program Costs" 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 work on a statewide initiatives.

"Short-Term Borrowing Rate" means a rate equal to the weighted average interest paid on the Company's short-term debt during the month.

"Throughput Disincentive" (TD) means the utility's lost margins associated with the successful implementation of the MEEIA programs. The detailed methodology for calculating the TD is described beginning in Tariff Sheet No.21c.

"TRM" means the Technical Resource Manuals utilized to estimate the savings for the measures included in the DSM portfolio.

DETERMINATION OF DSIM RATES

The DSIM during the applicable EP is a dollar per kWh rate for each applicable Service Classification calculated as follows:

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER SCHEDULE DSIM For MEEIA Cycle 2 Plan

$$DSIM = [NPC + NTD + NEO + NOA] / PE$$

Where:

NPC = Net Program Costs for the applicable EP as defined below,

$$NPC = PPC + PCR$$

PPC = Projected Program Costs is an amount equal to Program Costs projected by the Company to be incurred during the applicable EP.

PCR = Program Costs Reconciliation is equal to the cumulative difference, if any, between the NPC revenues billed resulting from the application of the DSIM through the end of the previous EP and the actual Program Costs incurred through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest on cumulative over- or under-balances at the Company's monthly Short-Term Borrowing Rate.

NTD = Net Throughput Disincentive for the applicable EP as defined below,

$$NTD = PTD + TDR$$

PTD = Projected Throughput Disincentive is the Company's TD projected by the Company to be incurred during the applicable EP. For the detailed method for calculating the TD, see The MEEIA Cycle 2 Plan.

TDR = Throughput Disincentive Reconciliation is equal to the cumulative difference, if any, between the NTD revenues billed during the previous EP resulting from the application of the DSIM and the Company's TD through the end of the previous EP calculated pursuant to the MEEIA Cycle 2 application, as applicable (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest on cumulative over- or under- balances at the Company's monthly Short-Term Borrowing Rate.

NEO = Net Earnings Opportunity for the applicable EP as defined below,

$$NEO = EO + EOR$$

EO = Earnings Opportunity is equal to the Earnings Opportunity Award monthly amortization multiplied by the number of billing months in the applicable EP, plus the succeeding EP. MEEIA Cycle 2 monthly amortization shall be determined by dividing the Earnings Opportunity Award by the number of billing months from the billing month of the first DSIM after the determination of the annual Earnings Opportunity Award and 12 calendar months following that first billing month.

EOR = Earnings Opportunity Reconciliation is equal to the cumulative difference, if any, between the NEO revenues billed during the previous EP resulting from the application of the DSIM and the monthly amortization of the EO Award through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest on cumulative over- or under- balances at the Company's monthly Short-Term Borrowing Rate.

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER
SCHEDULE DSIM
For MEEIA Cycle 2 Plan

NOA = Net Ordered Adjustment for the applicable EP as defined below,

$$NOA = OA + OAR$$

OA = Ordered Adjustment is the amount of any adjustment to the DSIM ordered by the Commission as a result of prudence reviews and/or corrections under this Rider DSIM. Such amounts shall include monthly interest at the Company's monthly short-term borrowing rate.

OAR = Ordered Adjustment Reconciliation is equal to the cumulative difference, if any, between the NOA revenues billed during the previous EP resulting from the application of the DSIM and the actual OA ordered by the Commission through the end of the previous EP (which will reflect projections through the end of the previous EP due to timing of adjustments). Such amounts shall include monthly interest on cumulative over- or under-balances at the Company's monthly Short-Term Borrowing Rate.

PE = Projected Energy, in kWh, forecasted to be delivered to the customers to which the Rider DSIM applies during the applicable EP.

The DSIM components and total DSIM applicable to the individual Service Classifications shall be rounded to the nearest \$0.00001.

Allocation of MEEIA Cycle 2 Program Costs, TD and EO for each rate schedule for the MEEIA Cycle 2 Plan will be allocated as outlined in EO-2025-0124.

This Rider DSIM shall not be applicable to customers that have satisfied the opt-out provisions contained in Section 393.1075.7, RSMo or the low-income exemption provisions described herein.

CALCULATION OF TD:

Monthly Throughput Disincentive = the sum of the Throughput Disincentive Calculation for all programs applicable to (1) Residential Service (NS-RG, TC-RG, TP-RG); (2) Small General Service (NS-GS, TC-GS and TP-GS), (3) Large General Service (NS-LG and TC-LG), (4) Small Primary Service (NS-SP and TC-SP); (5) Large Power Service (LP); and (6) Transmission Service (TS).

The TD for each Service Classification shall be determined by the following formula:

$$TD = [MS \times TBR \times NTGF]$$

Where:

TD = Throughput Disincentive, in dollars, to be collected for a given month, for a given Service Classification.

MS = Monthly Savings, is the sum of all Programs' monthly savings, in kWh, for a given month, for a given Service Classification.

TBR = Tail Block Rate less the Base Factor. Applicable monthly Tail Block Rate for each applicable Service Classification less the Base Factor embedded in the Tail Block Rate as reported in the Fuel and Purchase Power Adjustment Clause.

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER
 SCHEDULE DSIM
 For MEEIA Cycle 2 Plan

NTGF = Net-To-Gross Factor. For the EP, all TD calculations will assume a NTGF of 0.825 for residential and 0.7 for non-residential until such time as a NTGF is determined through EM&V for that EP. Thereafter, for each given EP, the NTGF determined through EM&V will be used prospectively starting with the month in which the Earnings Opportunity Award is determined.

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:

$$MS = (MAS_{CM} + CAS_{PM} - RB) \times LS + HER$$

RB = Rebasing Adjustment. The Rebasing Adjustment shall equal the CAS applicable as of the date used for the MEEIA normalization in any general rate case resulting in new rates becoming effective during the accrual and collection of TD\$ pursuant to MEEIA Cycle 2. In the event more than one general rate case resulting in new rates becoming effective during the accrual and collection of TD\$ pursuant to MEEIA Cycle 2, 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.

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. For Measures not listed under those programs listed in Liberty's MEEIA Cycle 2 Plan, the ME is the annual total of normalized savings for each measure at customer meter per measure defined in the TRM or in the cost-effectiveness analysis.
- ii. For Measures in MEEIA Cycle 2 programs, the ME will be the annual value attributable to the installations reported monthly by the program implementer.

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 MEEIA Cycle 2.

CM = Current Calendar month

PM = Prior calendar month

HER = Monthly kWh savings for the Home Energy Reports and Income-Eligible Home Energy Reports programs measured and reported monthly by the program implementer.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 6th Revised Sheet No. 21e

Canceling P.S.C. Mo. No. 6 Sec. 4 5th Revised Sheet No. 21e

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER SCHEDULE DSIM For MEEIA Cycle 2 Plan

EARNINGS OPPORTUNITY AWARD DETERMINATION

The MEEIA Cycle 2 EO Award shall be calculated using the matrix in the MEEIA Cycle 2 Plan. The cumulative EO will not go below \$0. The EO target at 100% is \$ \$952,238. The EO cannot go above \$1,025,691. The cap is based on current program levels. If Commission-approved new programs are added during the EP and any program plan modifications through 2027, the Company may seek Commission approval to have the targets for the cap of the EO scale proportionately to the spending and participation targets.

FILING

After the initial DSIM Rider rate adjustment filing, the Company shall make a DSIM Rider rate adjustment filing at least annually under the Term of this MEEIA Rider. DSIM Rider rate adjustment filings shall be made at least sixty (60) days prior to their effective dates.

PRUDENCE REVIEWS

A prudence review shall be conducted no less frequently than at twenty-four (24) month intervals in accordance with 20 CSR 4240-20.093(11). Any costs, which are determined by the Commission to have been imprudently incurred or incurred in violation of the terms of this DSIM Rider, shall be returned to customers through an adjustment in the next DSIM Rider rate adjustment filing and reflected in factor OA above.

DISCONTINUING THE DSIM

The Company reserves the right to discontinue the entire MEEIA Cycle 2 portfolio, if the Company determines that implementation of such programs is no longer reasonable due to changed factors or circumstances that have materially and negatively impacted the economic viability of such programs as determined by the Company, upon no less than thirty days' notice to the Commission. As a result of these changes, the Company may file to discontinue this DSIM. Similar to Program discontinuance, the Company would file a notice indicating that it is discontinuing the DSIM Rider. This notice would include a methodology for recovery of any unrecovered Program Costs, TD and EO.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 7th Revised Sheet No. 21f

Canceling P.S.C. Mo. No. 6 Sec. 4 6th Revised Sheet No. 21f

For ALL TERRITORY

DEMAND-SIDE INVESTMENT MECHANISM RIDER SCHEDULE DSIM For MEEIA Cycle 2 Plan

DEMAND SIDE INVESTMENT MECHANISM CHARGE

As approved in Commission Case No. EO-2025-0124, MEEIA Cycle 2 Filing.

MEEIA DSIM Components
(MEEIA Cycle 2 Plan)

Service Class	NPC/PE (\$/kWh)	NTD/PE (\$/kWh)	NEO/PE (\$/kWh)	NOA/PE (\$/kWh)	Total DSIM (\$/kWh)
Residential Service	\$0.00032	\$0.00050	\$0.00005	-	\$0.00087
Non-Residential Service	\$0.00177	\$0.00090	\$0.00005	-	\$0.00272

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
--

A. Residential Smart Thermostats

PURPOSE:

The Residential Smart Thermostats program is designed to raise customer awareness of the benefits of smart thermostats to control energy use in their homes and to connect thermostats to the related demand response program. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the amount approved by the Missouri Public Service Commission in Case No. EO-2025-0124.

DEFINITIONS:

Administrator – The Company will align itself with a third-party implementation vendor, which will also contribute to marketing and outreach.

Eligible Participant – Residential electric retail customer in rate schedule NS-RG, TC-RG or TP-RG.

Funds – The 2025 - 2027 budget for this program, as ordered in Case No. EO-2025-0124, is \$710,773.

Program Period – As approved in EO-2025-0124, the program will be administered through the year 2027, or until superseded by a new MEEIA portfolio.

Measures – Empire will offer instant rebates on qualifying thermostats through an on-line marketplace.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29a

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
--

DESCRIPTIONS:

Customers are eligible to purchase qualifying smart thermostats through the on-line marketplace. Customers that participate receive instant incentives at the point-of-purchase. Incentives will vary depending upon the type of thermostat, manufacturer, and the associated retail cost.

Residential customers are also eligible to receive energy advice through an online energy audit tool available at no cost. The evaluation identifies potential energy efficiency upgrades, educates the customer on managing energy consumption, and provides further information on Liberty's other energy efficiency programs. Customers may order recommended thermostats following the completion of an online audit through the online marketplace. The online marketplace will be available to all customers to purchase thermostats regardless of their participation in the online energy audit tool.

TERMS & CONDITIONS:

Liberty and/or a contractor acting on the Company's behalf may conduct desktop or field-based QA/QC on a random selection of completed energy efficiency projects. The QA/QC process may include verification of purchase and/or installation of any equipment/measures that receive incentives through the program. The QA/QC process does not constitute an inspection for proper installation except where the installation impacts the effectiveness or efficiency of the measure in question. Customers and building owners who participate in this program may participate in other programs, if qualified.

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO
Program Descriptions for MEEIA Cycle 2 Plan

B. Residential Demand Response Program

PURPOSE:

The Residential Demand Response Program (“Program”) is designed to deliver demand reductions during peak periods through the control of thermostats in customer locations. The Empire District Electric Company’s (Company) participation in such financial incentives is limited to the amount approved by the Missouri Public Service Commission in Case No. EO-2025-0124.

DEFINITIONS:

Administrator – The Company will align itself with a third-party implementation vendor, which will also contribute to marketing and outreach.

Eligible Participant – Single family residential electric retail customer in rate schedule NS-RG, TC-RG or TP-RG.

Funds – The 2025 - 2027 budget for this program, as ordered in Case No. EO-2025-0124, is \$858,933.

Program Period – As approved in EO-2025-0124 the program will be administered through the year 2027, or until superseded by a new MEEIA portfolio.

Measures – Liberty will offer incentives to customers who enroll in the program and participate in qualifying events.

DESCRIPTION:

A direct load control (“DLC”) program enabled through Wi-Fi connected thermostats in customers’ homes. Liberty will work with various smart thermostat manufacturers and anticipates entry into the program through multiple channels including bring your own device, customer self-install and direct installs for low-income customers. Liberty will partner with a demand response software provider who will remotely call events. An event will be called in coordination with peak demand in SPP. During an event, there may be a consistent change of temperature in a home or cycling a customer’s HVAC system to reduce demand. Customers will be compensated during the initial enrollment period and on a periodic basis (seasonally or annually) based on the number of events they participate in. Customers will be allowed to opt out of a single event without impact to their incentive tied to participation.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29c

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
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DELIVERY:

The Company will deliver the Program with the aid of a program administrator, with whom it will deliver the program according to a contract.

TERMS AND CONDITIONS:

Liberty and/or a contractor acting on the Company's behalf may conduct desktop or field-based QA/QC on a random selection of completed energy efficiency projects. The QA/QC process may include verification of purchase and/or installation of any equipment/measures that receive incentives through the program. The QA/QC process does not constitute an inspection for proper installation except where the installation impacts the effectiveness or efficiency of the measure in question. Customers who participate in this program may participate in other programs, if qualified.

For ALL TERRITORY

PROMOTIONAL PRACTICES
SCHEDULE PRO
Program Descriptions for MEEIA Cycle 2 Plan

C. Liberty Energy Upgrade Program

PURPOSE:

The Liberty Energy Upgrade Program (Program) is designed to support the delivery of long-term energy savings and bill reductions to eligible customers in single family and multi-family dwellings of 1-3 units through the direct installation of custom energy upgrades necessary to support the proper installation of efficiency measures.

DEFINITIONS:

Administrator – The Company will align itself with a third-party implementation vendor, which will also contribute to marketing and outreach.

Eligible Participant – Income eligible residential customers that own or rent a single-family residence or reside in a unit in a 1–3-unit building being served by the Company in rate schedule NS-RG, TC-RG, and TP-RG.

Funds – The 2025 - 2026 budget for this program, as ordered in Case No. EO-2025-0124, is \$1,148,368.

Program Period – As approved in EO-2025-0124, the program will be administered through the year 2026, or until superseded by a new MEEIA portfolio.

Measures – Eligible measures are included but not limited to replacement of electric furnaces that are 10 years or older with energy-efficient heat pumps, replacement of electric water heaters that are non-functional or leaking, electrical system upgrades to accommodate increased load of a new heat pump and electrical upgrades to mitigate knob-and-tube wiring.

DESCRIPTION:

Income eligible customers receive free in-home evaluations, customized recommendations for energy efficient measure upgrades and direct installation of energy upgrades at no cost.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29e

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
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DELIVERY:

Liberty will engage with local community qualified income assistance agencies as the primary path for program delivery.

TERMS & CONDITIONS:

Liberty and/or a contractor acting on the Company's behalf may conduct desktop or field-based QA/QC on a random selection of completed energy efficiency projects. The QA/QC process may include verification of purchase and/or installation of any equipment/measures that receive incentives through the program. The QA/QC process does not constitute an inspection for proper installation except where the installation impacts the effectiveness or efficiency of the measure in question. Customers and building owners who participate in this program may participate in other programs, if qualified.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29f

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
--

D. C&I Demand Response Program

PURPOSE:

The C&I Demand Response Program facilitates the reduction of demand of building loads at commercial and industrial customer sites during peak events. The Empire District Electric Company's (Company) participation in such financial incentives is limited to the amount approved by the Missouri Public Service Commission in Case No. EO-2025-0124.

DEFINITIONS:

Administrator – The Company will align itself with a third-party implementation vendor, which will also contribute to marketing and outreach.

Eligible Participant – Nonresidential electric customers or owners of newly-constructed or existing nonresidential property who are being served under nonresidential rate plans: NS-GS, TC-GS, TP-GS, NS-LG, TC-LG, NS-SP, TC-SP, or LP, and are not on a current voluntary interruptible tariff with the Company.

Funds – The 2025 - 2027 budget for this program, as ordered in Case No. EO-2025-0124, is \$974,596.

Program Period – As approved in EO-2025-0124 the program will be administered through the year 2027, or until superseded by a new MEEIA portfolio.

Measures – Incentives.

Liberty will offer incentives to customers who enroll in the program and participate in qualifying events.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29g

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
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DESCRIPTIONS:

The active demand response program is a technology agnostic program available to all commercial and industrial customers to reduce building system loads during peak events. Customers taking part in the program may not be on the Company's current curtailment.

The program will pay the customer or may work directly with their CSPs for demand reduced during an event. Customers will have the opportunity to select the number of events they are willing to participate in during a calendar year. Events will be called during weekdays, and customers may choose to participate in extended time events.

DELIVERY:

Liberty will work with a third-party implementation contractor to assist in the implementation and delivery of the program.

TERMS & CONDITIONS:

Liberty and/or a contractor acting on the Company's behalf may conduct desktop or field-based QA/QC on a random selection of completed energy efficiency projects. The QA/QC process may include verification of purchase and/or installation of any equipment/measures that receive incentives through the program. The QA/QC process does not constitute an inspection for proper installation except where the installation impacts the effectiveness or efficiency of the measure in question. Customers and building owners who participate in this program may participate in other programs, if qualified.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29h

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
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E. Commercial and Industrial (“C&I”) Rebate Program

PURPOSE:

The C&I Rebate Program is designed to encourage the efficient use of energy by providing rebates to cover a portion of the costs associated with the purchase and installation of energy efficient equipment in commercial and industrial facilities. Empire District Electric Company’s (Company) participation in such financial incentives is limited to the amount approved by the Missouri Public Service Commission in Case No. EO-2025-0124.

DEFINITIONS:

Administrator – The Company will align itself with a third-party implementation vendor, which will also contribute to marketing and outreach.

Eligible Participant – Nonresidential electric customers or owners of newly-constructed or existing nonresidential property who are being served under nonresidential rate plans NS-GS, TC-GS, TP-GS, NS-LG, TC-LG, NS-SP, TC-SP, LP, or TS and have not opted out of participation in the program under Missouri Public Service Commission Rule 20 CSR 4240-20.094(7)(A).

Funds – The 2025 - 2026 budget for this program, as ordered in Case No. EO-2025-0124, is \$4,125,116.

Program Period – As approved in Case No. EO-2025-0124, the program will be administered through the year 2026, or until superseded by a new MEEIA portfolio.

THE EMPIRE DISTRICT ELECTRIC COMPANY d.b.a. LIBERTY

P.S.C. Mo. No. 6 Sec. 4 Original Sheet No. 29i

Canceling P.S.C. Mo. No. _____ Sec. _____ Revised Sheet No. _____

For ALL TERRITORY

PROMOTIONAL PRACTICES SCHEDULE PRO Program Descriptions for MEEIA Cycle 2 Plan
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DESCRIPTIONS:

The program provides incentives to encourage the purchasing of energy efficient equipment at commercial and industrial facilities. The program consists of prescriptive and custom rebates.

Prescriptive – Pre-qualified prescriptive rebates are available for new construction and retrofit projects. A complete list of prescriptive measures and their projected incentives can be found in Application Appendix C of Empire’s MEEIA Cycle II Filing, made in Case No. EO-2025-0124. Liberty may adjust measures and incentive amounts during the program cycle based on customer participation, market conditions, budget restrictions or other limiting factors.

Custom – Equipment that does not qualify for a prescriptive rebate will be eligible for a custom rebate. Applications must be pre-approved by Empire before equipment is purchased and installed. A \$250,000 incentive cap is imposed per facility per program year. However, if funds are still available in the last three months of the program year, the cap may be exceeded.

TERMS & CONDITIONS:

Liberty and/or a contractor acting on the Company’s behalf may conduct desktop or field-based QA/QC on a random selection of completed energy efficiency projects. The QA/QC process may include verification of purchase and/or installation of any equipment/measures that receive incentives through the program. The QA/QC process does not constitute an inspection for proper installation except where the installation impacts the effectiveness or efficiency of the measure in question. Customers and building owners who participate in this program may participate in other programs, if qualified.