DIRECT SCHEDULE MKG-1 Page 1

THE EMPIRE DISTRICT E	LECTRIC CO	MPANY d.b.a.	LIBERTY			
P.S.C. Mo. No.	6	Sec.	4	9th	Revised Sheet No.	<u>17q</u>
Canceling P.S.C. Mo. No.	6	Sec.	4	8th	Revised Sheet No.	17q_

ALL TERRITORY For

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE	
RIDER FAC	
For service on and after June 1, 2024	

	Accumulation Period Ending		February 29
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		30,001,136
2	Net Base Energy Cost (B)	-	22,411,565
	2.1 Base Factor (BF)		0.00870
	2.2 Accumulation Period NSI (SAP)		2,576,042,000
3	(TEC-B)		7,589,571
4	Missouri Energy Ratio (J)		87.92 <sup>1</sup>
5	Sum of Monthly (TEC - B) * J		6,645,403 <sup>2</sup>
6	Fuel Cost Recovery	*	95.00%
7	Sum of Monthly (TEC - B) * J * 0.95		6,313,133
8	Deferred Amount		0
9	True-Up Amount (T)	+	462,330
10	Prudence Adjustment Amount (P)	+	0
11	Interest (I)	+	498,983
12	Fuel and Purchased Power Adjustment (FPA)	=	7,274,445
13	Forecasted Missouri NSI (SRP)	÷	2,260,630,495
14	Current Period Fuel Adjustment Rate (FAR)	=	0.00322
15	Current Period FAR <sub>PRIM</sub> = FAR x VAF <sub>PRIM</sub>		0.00336
16	Current Period FAR <sub>SEC</sub> = FAR x VAF <sub>SEC</sub>		0.00342
17	VAF <sub>PRIM</sub> = 1.0429		1.0429
18	VAF <sub>SEC</sub> = 1.0625		1.0625

<sup>1</sup>The Missouri Energy Ratio (J), on line 4, is calculated by dividing the Missouri retail kWh sales by the Total system kWh sales for the current accumulation period as specified by the tariff.

<sup>2</sup>The (TEC-B)\*J, on line 5, is calculated by taking the sum of (TEC-B)\*J for each month of the accumulation period. Therefore, because each month is weighted differently, the amount on line 5 will not necessarily equal the product of lines three and four.

## The Empire District Electric Company Fuel Adjustment Clause Cost Adjustment Factor Calculation Aug 2024

		Accumulation Period														
			Mar 2024		Apr 2024		May 2024		Jun 2024		Jul 2024	 Aug 2024	P	rior Period		Total
Generation	[FC]	\$	7,413,982.03	\$	5,535,122.25	\$	6,640,709.78	\$	11,333,433.00	\$	13,352,257.85	\$ 13,214,325.96			\$	57,489,830.87
Fuel - AQCS	[FC]	\$	47,442.41	\$	(14,513.28)	\$	51,021.64	\$	61,925.30	\$	57,639.65	\$ 82,010.41		:	\$	285,526.13
Native Load Cost	[PP]	\$	826,187.67	\$	311,897.49	\$	(2,522,154.52)	\$	768,210.21	\$	(1,451,473.77)	\$ (234,728.33)		:	\$	(2,302,061.25)
Transmission Costs	[PP]	\$	482,420.33	\$	473,690.49	\$	476,663.87		499,639.82	\$	502,562.37	\$ 506,125.20		:	\$	2,941,102.08
Net of Emission Allow.	[E]	\$	-	\$	-	\$	(5.56)		-	\$		\$ -		:	\$	(5.56)
EDE Sales	[OSSR]		(4,314,637.13)		(4,486,473.08)		(2,334,309.31)		(5,820,639.19)		(4,358,978.28)	(5,011,093.81)			\$	(26,326,130.80)
Renewable Energy Credit Revenues	[REC]	\$	(149,875.00)		(639,255.00)		(87,500.00)	\$	50,000.00		(877,995.00)	(382,500.00)			\$	(2,087,125.00)
Total Energy Cost		\$	4,305,520.31	\$	1,180,468.87	\$	2,224,425.90	\$	6,892,569.14	\$	7,224,012.82	\$ 8,174,139.43			\$	30,001,136.47
Net Base Energy Rate			0.00870		0.00870		0.00870		0.00870		0.00870	0.00870				
NSI kwh			373,253,000		345,363,000		383,696,000		471,317,000		501,605,000	500,808,000				2,576,042,000
Base Energy Cost	(B)	\$	3,247,301.10	\$	3,004,658.10	\$	3,338,155.20	\$	4,100,457.90	\$	4,363,963.50	\$ 4,357,029.60		:	\$	22,411,565.40
Missouri Retail kwh Sales			308,644,295		290,061,166		314,572,935		388,324,359		410,174,334	414,275,477				2,126,052,566
Total System kwh Sales			350,433,118		324,126,445		361,601,256		443,102,756		469,810,235	469,187,334				2,418,261,144
Missouri Energy Ratio	(J)		0.8808		0.8949		0.8699		0.8764		0.8731	0.8830				2, 110,201,111
Fuel & PP Cost Recovery (Over)/Under {[(FC + PP + E - OSSR - REC - B) * J] * 0.95}		\$	885,475.50	\$	(1,550,843.59)	\$	(920,391.46)	\$	2,324,655.98	\$	2,372,253.61	\$ 3,201,982.58		:	\$	6,313,132.62
Prior Peroid Adjustment														:	\$	-
(Over)/Under Adjustment	(T)												\$	462,329.62	\$	462,329.62
Interest (Expense)/Income	(I)	\$	105,613.54	\$	92,947.57	\$	76,813.43	\$	76,594.01	\$	75,846.72	\$ 71,167.74		:	\$	498,983.01
Fuel & Purchased Power Adjustment {[(FC + PP + E - OSSR - REC - B) * J] * 0.95} + T + I + F	(FPA)	\$	991,089.04	\$	(1,457,896.02)	\$	(843,578.03)	\$	2,401,249.99	\$	2,448,100.33	\$ 3,273,150.32	\$	462,329.62	\$	7,274,445.25
For Recovery Period																
Forecasted NSI kwh	а															2,559,579,000
Forecasted Missouri Retail kwh Sales	b															2,192,970,000
Forecasted Total System kwh Sales	С															2,482,971,000
Forecasted Missouri Ratio																88.32%
Forecasted Missouri NSI kwh (S)=a*(b/c)	(S)													Γ		2,260,630,495
Cost Adjustment Factor (FAR=FPA./S)	(FAR)													Ľ		0.00322
FAR - Primary and above														Г		0.00336
Primary Expansion Factor FAR - Secondary	1.0429															0.00342
Secondary Expansion Factor	1.0625													L		0.00342