

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

P.S.C. Mo. No. 6 Sec. 4 10th Revised Sheet No. 17q

Canceling P.S.C. Mo. No. 6 Sec. 4 9th Revised Sheet No. 17q

For ALL TERRITORY

FUEL & PURCHASE POWER ADJUSTMENT CLAUSE  
 RIDER FAC  
 For service on and after June 1, 2025

	Accumulation Period Ending		February 28
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		35,485,996
2	Net Base Energy Cost (B)	-	22,535,784
	2.1 Base Factor (BF)		0.00870
	2.2 Accumulation Period NSI (S <sub>AP</sub> )		2,590,320,000
3	(TEC-B)		12,950,212
4	Missouri Energy Ratio (J)		88.27 <sup>1</sup>
5	Sum of Monthly (TEC - B) * J		11,514,709 <sup>2</sup>
6	Fuel Cost Recovery	*	95.00%
7	Sum of Monthly (TEC - B) * J * 0.95		10,938,974
8	Deferred Amount		0
9	True-Up Amount (T)	+	1,320,509
10	Prudence Adjustment Amount (P)	+	0
11	Interest (I)	+	285,434
12	Fuel and Purchased Power Adjustment (FPA)	=	12,544,917
13	Forecasted Missouri NSI (S <sub>RP</sub> )	÷	2,355,851,039
14	Current Period Fuel Adjustment Rate (FAR)	=	0.00533
15	Current Period FAR <sub>PRIM</sub> = FAR x VAF <sub>PRIM</sub>		0.00555
16	Current Period FAR <sub>SEC</sub> = FAR x VAF <sub>SEC</sub>		0.00566
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  
 Feb 2025

		Accumulation Period							Total
		Sep 2024	Oct 2024	Nov 2024	Dec 2024	Jan 2025	Feb 2025	Prior Period	Total
Generation	[FC]	\$ 7,866,203.38	\$ 7,612,177.85	\$ 7,911,419.43	\$ 12,203,755.71	\$ 16,833,694.99	\$ 11,946,513.37		\$ 64,373,764.73
Fuel - AQCS	[FC]	\$ 38,789.60	\$ 53,060.75	\$ 40,943.28	\$ 75,993.91	\$ 102,375.21	\$ 87,716.48		\$ 398,879.23
Native Load Cost	[PP]	\$ 553,373.90	\$ (107,966.07)	\$ (272,222.04)	\$ (732,603.16)	\$ 1,881,256.00	\$ 640,640.65		\$ 1,962,479.28
Transmission Costs	[PP]	\$ 501,993.38	\$ 505,702.86	\$ 499,024.09	\$ 505,181.30	\$ 509,451.68	\$ 525,209.69		\$ 3,046,563.00
Net of Emission Allow.	[E]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
EDE Sales	[OSSR]	\$ (4,924,801.26)	\$ (4,376,776.81)	\$ (4,916,924.27)	\$ (4,964,472.49)	\$ (5,419,941.42)	\$ (7,229,303.90)		\$ (31,832,220.15)
Renewable Energy Credit Revenues	[REC]	\$ (878,498.35)	\$ (498,722.00)	\$ -	\$ -	\$ (903,750.00)	\$ (182,500.00)		\$ (2,463,470.35)
<b>Total Energy Cost</b>		\$ 3,157,060.65	\$ 3,187,476.58	\$ 3,262,240.49	\$ 7,087,855.27	\$ 13,003,086.46	\$ 5,788,276.29		\$ 35,485,995.74
Net Base Energy Rate		0.00870	0.00870	0.00870	0.00870	0.00870	0.00870		
NSI kwh		402,611,000	369,140,000	361,295,000	439,958,000	549,867,000	467,449,000		2,590,320,000
Base Energy Cost (B)		\$ 3,502,715.70	\$ 3,211,518.00	\$ 3,143,266.50	\$ 3,827,634.60	\$ 4,783,842.90	\$ 4,066,806.30		\$ 22,535,784.00
Missouri Retail kwh Sales		336,114,186	290,853,562	300,362,252	375,110,052	459,422,591	388,339,265		2,150,201,908
Total System kwh Sales		375,684,037	343,364,606	341,008,525	414,302,911	518,907,819	442,611,526		2,435,879,424
Missouri Energy Ratio (J)		0.8947	0.8471	0.8808	0.9054	0.8854	0.8774		
Fuel & PP Cost Recovery (Over)/Under (((FC + PP + E - OSSR - REC - B) * J) * 0.95)		\$ (293,794.69)	\$ (19,347.21)	\$ 99,552.68	\$ 2,804,213.60	\$ 6,913,452.34	\$ 1,434,896.88		\$ 10,938,973.60
Prior Period Adjustment									\$ -
(Over)/Under Adjustment (T)								\$ 1,320,509.22	\$ 1,320,509.22
Interest (Expense)/Income (I)		\$ 58,094.37	\$ 43,770.02	\$ 38,318.90	\$ 38,425.26	\$ 53,978.06	\$ 52,847.07	\$ -	\$ 285,433.68
Fuel & Purchased Power Adjustment (((FC + PP + E - OSSR - REC - B) * J) * 0.95) + T + I + P	(FPA)	\$ (235,700.32)	\$ 24,422.81	\$ 137,871.58	\$ 2,842,638.86	\$ 6,967,430.40	\$ 1,487,743.95	\$ 1,320,509.22	\$ 12,544,916.50
For Recovery Period									
Forecasted NSI kwh (a)									2,672,300,000
Forecasted Missouri Retail kwh Sales (b)									2,179,116,311
Forecasted Total System kwh Sales (c)									2,471,825,434
Forecasted Missouri Ratio									88.16%
Forecasted Missouri NSI kwh (S)=a*(b/c)	(S)								2,355,851,039
Cost Adjustment Factor (FAR=FPA./S)	(FAR)								0.00533
FAR - Primary and above									0.00555
Primary Expansion Factor	1.0429								
FAR - Secondary									0.00566
Secondary Expansion Factor	1.0625								