

P.S.C. Mo. No. 6 Sec. 4 8th Revised Sheet No. 17q

Canceling P.S.C. Mo. No. 6 Sec. 4 7th Revised Sheet No. 17q

For ALL TERRITORY

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)		44,959,460
2	Net Base Energy Cost (B)	-	22,134,262
	2.1 Base Factor (BF)		0.00870
	2.2 Accumulation Period NSI (S <sub>AP</sub> )		2,544,168,000
3	(TEC-B)		22,825,199
4	Missouri Energy Ratio (J)		88.34 <sup>1</sup>
5	Sum of Monthly (TEC - B) * J		20,225,385 <sup>2</sup>
6	Fuel Cost Recovery	*	95.00%
7	Sum of Monthly (TEC - B) * J * 0.95		19,214,115
8	Deferred Amount		0
9	True-Up Amount (T)	+	(2,010,080)
10	Prudence Adjustment Amount (P)	+	0
11	Interest (I)	+	556,397
12	Fuel and Purchased Power Adjustment (FPA)	=	17,760,433
13	Forecasted Missouri NSI (S <sub>RP</sub> )	÷	2,327,319,265
14	Current Period Fuel Adjustment Rate (FAR)	=	0.00763
15	Current Period FAR <sub>PRIM</sub> = FAR x VAF <sub>PRIM</sub>		0.00796
16	Current Period FAR <sub>SEC</sub> = FAR x VAF <sub>SEC</sub>		0.00811
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 2024

		Accumulation Period							Total
		Sep 2023	Oct 2023	Nov 2023	Dec 2023	Jan 2024	Feb 2024	Prior Period	Total
Generation	[FC]	\$ 9,969,868.71	\$ 8,673,328.85	\$ 9,428,656.93	\$ 9,670,202.95	\$ 20,388,977.01	\$ 9,083,475.68		\$ 67,214,510.13
Fuel - AQCS	[FC]	\$ 69,937.72	\$ 68,650.09	\$ 49,628.24	\$ 96,892.90	\$ 73,204.55	\$ 98,624.14		\$ 456,937.64
Native Load Cost	[PP]	\$ 798,978.28	\$ 808,343.28	\$ (735,131.84)	\$ 1,460,671.08	\$ 7,149,070.57	\$ 1,062,131.46		\$ 10,544,062.83
Transmission Costs	[PP]	\$ 473,499.34	\$ 477,094.13	\$ 468,192.46	\$ 475,908.70	\$ 495,854.68	\$ 466,937.88		\$ 2,857,487.19
Net of Emission Allow.	[E]	\$ -	\$ -	\$ -	\$ -	\$ -	\$ -		\$ -
EDE Sales	[OSSR]	\$ (5,257,275.76)	\$ (7,804,695.25)	\$ (6,050,864.10)	\$ (5,009,864.82)	\$ (6,525,597.36)	\$ (2,448,768.65)		\$ (33,097,065.94)
Renewable Energy Credit Revenues	[REC]	\$ 139,539.85	\$ (1,138,574.68)	\$ (298,750.00)	\$ (98,168.40)	\$ (976,768.50)	\$ (643,750.00)		\$ (3,016,471.73)
Total Energy Cost		\$ 6,194,548.14	\$ 1,084,146.42	\$ 2,861,731.69	\$ 6,595,642.41	\$ 20,604,740.95	\$ 7,618,650.51		\$ 44,959,460.12
Net Base Energy Rate		0.00870	0.00870	0.00870	0.00870	0.00870	0.00870		
NSI kwh		410,865,000	365,060,000	381,351,000	435,746,000	563,245,000	387,901,000		2,544,168,000
Base Energy Cost	(B)	\$ 3,574,525.50	\$ 3,176,022.00	\$ 3,317,753.70	\$ 3,790,990.20	\$ 4,900,231.50	\$ 3,374,738.70		\$ 22,134,261.60
Missouri Retail kwh Sales		333,778,004	299,328,990	314,354,587	359,031,317	465,872,874	324,592,877		2,096,958,649
Total System kwh Sales		381,989,584	340,204,628	354,913,909	405,619,393	525,177,681	365,719,105		2,373,624,300
Missouri Energy Ratio	(J)	0.8738	0.8798	0.8857	0.8851	0.8871	0.8875		
Fuel & PP Cost Recovery (Over)/Under (((FC + PP + E - OSSR - REC - B) * J) * 0.95)		\$ 2,174,906.99	\$ (1,748,410.53)	\$ (383,703.76)	\$ 2,358,277.79	\$ 13,234,896.82	\$ 3,578,148.14		\$ 19,214,115.45
Prior Period Adjustment									\$ -
(Over)/Under Adjustment	(T)						\$ (2,010,079.59)		\$ (2,010,079.59)
Interest (Expense)/Income	(I)	\$ 107,200.74	\$ 86,590.00	\$ 71,335.27	\$ 70,372.83	\$ 112,221.19	\$ 108,676.99		\$ 556,397.02
Fuel & Purchased Power Adjustment (((FC + PP + E - OSSR - REC - B) * J) * 0.95) + T + I + P	(FPA)	\$ 2,282,107.73	\$ (1,661,820.53)	\$ (312,368.49)	\$ 2,428,650.62	\$ 13,347,118.01	\$ 3,686,825.13	\$ (2,010,079.59)	\$ 17,760,432.88
For Recovery Period									
Forecasted NSI kwh	a								2,675,399,000
Forecasted Missouri Retail kwh Sales	b								2,156,329,000
Forecasted Total System kwh Sales	c								2,478,835,000
Forecasted Missouri Ratio									86.99%
Forecasted Missouri NSI kwh (S)=a*(b/c)	(S)								2,327,319,265
Cost Adjustment Factor (FAR=FPA./S)	(FAR)								0.00763
FAR - Primary and above									0.00796
Primary Expansion Factor	1.0429								
FAR - Secondary									0.00811
Secondary Expansion Factor	1.0625								