

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

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

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

For ALL TERRITORY

<p>FUEL & PURCHASE POWER ADJUSTMENT CLAUSE RIDER FAC For service on and after December 1, 2023</p>
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	Accumulation Period Ending		August 31
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		37,311,556
2	Net Base Energy Cost (B)	-	22,738,633
	2.1 Base Factor (BF)		0.00870
	2.2 Accumulation Period NSI (S _{AP})		2,613,636,000
3	(TEC-B)		14,572,923
4	Missouri Energy Ratio (J)		88.03 ¹
5	Sum of Monthly (TEC - B) * J		12,814,303 ²
6	Fuel Cost Recovery	*	95.00%
7	Sum of Monthly (TEC - B) * J * 0.95		12,173,588
8	Deferred Amount		0
9	True-Up Amount (T)	+	3,013,909
10	Prudence Adjustment Amount (P)	+	0
11	Interest (I)	+	751,953
12	Fuel and Purchased Power Adjustment (FPA)	=	15,892,251 ³
13	Forecasted Missouri NSI (S _{RP})	÷	2,322,770,266
14	Current Period Fuel Adjustment Rate (FAR)	=	0.00684
15	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00714
16	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00727
17	VAF _{PRIM} = 1.0429		1.0429
18	VAF _{SEC} = 1.0625		1.0625

¹The 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.

²The (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.

³The Fuel and Purchased Power Adjustment (FPA), on line 12, is calculated by taking the sum of lines 7, 9 and 11 for each month of the accumulation period. Because there was a prior period adjustment included in the accumulation period for April 2023, the sum of lines 7, 9 and 11 will not equal line 12.

The Empire District Electric Company
Fuel Adjustment Clause
Cost Adjustment Factor Calculation
Aug 2023

		Accumulation Period							
		Mar 2023	Apr 2023	May 2023	Jun 2023	Jul 2023	Aug 2023	Prior Period	Total
Generation	[FC]	\$ 9,623,413.84	\$ 7,729,718.25	\$ 8,964,112.42	\$ 8,105,132.31	\$ 12,956,481.09	\$ 14,344,323.95		\$ 61,723,181.86
Fuel - AQCS	[FC]	\$ 120,932.92	\$ 16,594.41	\$ 104,125.52	\$ 125,187.07	\$ 115,794.13	\$ 101,290.43		\$ 583,924.48
Native Load Cost	[PP]	\$ 767,962.23	\$ 1,531,751.83	\$ (4,016,043.83)	\$ 3,219,221.24	\$ 4,451,873.00	\$ (1,149,367.83)		\$ 4,805,396.64
Transmission Costs	[PP]	\$ 500,716.22	\$ 480,615.27	\$ 486,303.08	\$ 471,469.55	\$ 478,869.86	\$ 479,092.24		\$ 2,897,066.22
Net of Emission Allow.	[E]	\$ -	\$ (6.12)	\$ -	\$ -	\$ -	\$ -		\$ (6.12)
EDE Sales	[OSSR]	\$ (4,206,800.37)	\$ (5,833,912.95)	\$ (3,360,305.12)	\$ (4,489,726.17)	\$ (8,193,684.02)	\$ (4,758,424.55)		\$ (30,842,853.18)
Renewable Energy Credit Revenues	[REC]	\$ (231,518.60)	\$ -	\$ (34,000.00)	\$ (185,000.00)	\$ (398,874.65)	\$ (1,005,760.20)		\$ (1,855,153.45)
Total Energy Cost		\$ 6,574,706.24	\$ 3,924,760.69	\$ 2,144,192.07	\$ 7,246,284.00	\$ 9,410,459.41	\$ 8,011,154.04		\$ 37,311,556.45
Net Base Energy Rate		0.00870	0.00870	0.00870	0.00870	0.00870	0.00870		0.00870
NSI kwh		408,274,000	334,366,000	380,223,000	446,429,000	517,597,000	526,747,000		2,613,636,000
Base Energy Cost	(B)	\$ 3,551,983.80	\$ 2,908,984.20	\$ 3,307,940.10	\$ 3,883,932.30	\$ 4,503,093.90	\$ 4,582,698.90		\$ 22,738,633.20
TEC-B		\$ 3,022,722.44	\$ 1,015,776.49	\$ (1,163,748.03)	\$ 3,362,351.70	\$ 4,907,365.51	\$ 3,428,455.14		\$ 14,572,923.25
Missouri Retail kwh Sales		335,230,275	277,499,289	311,276,267	365,845,083	423,724,109	429,008,877		2,142,583,900
Total System kwh Sales		383,240,967	311,515,531	353,612,919	415,625,417	481,513,327	488,356,343		2,433,864,504
Missouri Energy Ratio	(J)	0.8747	0.8908	0.8803	0.8802	0.8800	0.8785		0.8803
(TEC-B)*J		2,643,975.32	904,853.70	(1,024,447.39)	2,959,541.97	4,318,481.65	3,011,897.84		12,814,303.08
Fuel & PP Cost Recovery (Over)/Under {[(FC + PP + E - OSSR - REC - B) * J] * 0.95}		\$ 2,511,776.55	\$ 859,611.01	\$ (973,225.02)	\$ 2,811,564.87	\$ 4,102,557.57	\$ 2,861,302.95		\$ 12,173,587.93
Prior Period Adjustment			(47,199.60)						\$ (47,199.60)
(Over)/Under Adjustment	(T)							\$ 3,013,909.46	\$ 3,013,909.46
Interest (Expense)/Income	(I)	\$ 159,981.69	\$ 141,771.88	\$ 118,154.39	\$ 109,217.21	\$ 112,142.56	\$ 110,685.27		\$ 751,953.00
Fuel & Purchased Power Adjustment {[(FC + PP + E - OSSR - REC - B) * J] * 0.95} + T + I + P	(FPA)	\$ 2,671,758.24	\$ 954,183.29	\$ (855,070.63)	\$ 2,920,782.08	\$ 4,214,700.13	\$ 2,971,988.22	\$ 3,013,909.46	\$ 15,892,250.79
For Recovery Period									
Forecasted NSI kwh	a								2,630,590,000
Forecasted Missouri Retail kwh Sales	b								2,173,877,000
Forecasted Total System kwh Sales	c								2,461,965,000
Forecasted Missouri Ratio									88.30%
Forecasted Missouri NSI kwh (S)=a*(b/c)	(S)								2,322,770,266
Cost Adjustment Factor (FAR=FPA./S)	(FAR)								0.00684
FAR - Primary and above									0.00714
Primary Expansion Factor	1.0429								
FAR - Secondary									0.00727
Secondary Expansion Factor	1.0625								