

Cases with Filed Written Testimony of Bethany Q. King

Before the Oklahoma Corporation Commission

Rate Cause: PUD 201600468

Rate Cause: PUD 201700256

Before the Kansas Corporation Commission

Energy Cost Adjustment ACA Docket: 17-EPDE-226-ACA

Before the Missouri Corporation Commission

Fuel Adjustment Clause Docket: ER-2017-0254; EO-2017-0255

Before the Arkansas Corporation Commission

Energy Efficiency Cost Recovery Docket: 07-076-TF

THE EMPIRE DISTRICT ELECTRIC COMPANY

P.S.C. Mo. No. 5 Sec. 4 3rd Revised Sheet No. 17ac

Canceling P.S.C. Mo. No. 5 Sec. 4 2nd Revised Sheet No. 17ac

For ALL TERRITORY

<p>FUEL & PURCHASE POWER ADJUSTMENT CLAUSE RIDER FAC For service on and after December 1, 2017</p>
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	Accumulation Period Ending		Aug 31, 2017
1	Total Energy Cost (TEC) = (FC + PP + E – OSSR - REC)		69,070,641
2	Net Base Energy Cost (B)	-	62,822,095
	2.1 Base Factor (BF)		0.02415
	2.2 Accumulation Period NSI (S _{AP})		2,440,458,808
3	(TEC-B)		6,248,545
4	Missouri Energy Ratio (J)	*	81.79%
5	(TEC - B) * J		5,110,442
6	Fuel Cost Recovery	*	95.00%
7	(TEC - B) * J * 0.95		4,854,920
8	True-Up Amount (T)	+	(1,045,682)
9	Prudence Adjustment Amount (P)	+	
10	Interest (I)	+	28,026
11	Fuel and Purchased Power Adjustment (FPA)	=	3,837,264
12	Forecasted Missouri NSI (S _{RP})	÷	2,218,459,384
13	Current Period Fuel Adjustment Rate (FAR)	=	0.00173
14	Current Period FAR _{PRIM} = FAR x VAF _{PRIM}		0.00181
15	Current Period FAR _{SEC} = FAR x VAF _{SEC}		0.00184
16	VAF _{PRIM} = 1.0464		1.0464
17	VAF _{SEC} = 1.0657		1.0657

The Empire District Electric Company
Fuel Adjustment Clause
Cost Adjustment Factor Calculation
Aug-17

		Accumulation Period						Prior Period	Sum of Monthly Calcs
		March 2017	April 2017	May 2017	June 2017	July 2017	Aug 2017		Total
Generation	[FC]	\$ 12,485,362.02	\$ 10,141,998.21	\$ 11,004,410.06	\$ 13,726,954.25	\$ 15,445,922.85	\$ 14,334,785.27		\$ 77,139,432.66
Fuel - AQCS	[FC]	\$ 121,156.81	\$ 64,704.56	\$ 187,246.18	\$ 159,586.71	\$ 247,886.59	\$ 209,818.20		\$ 990,399.05
Native Load Cost	[PP]	\$ 10,802,648.82	\$ 11,554,326.18	\$ 10,780,998.70	\$ 12,697,988.08	\$ 16,916,288.15	\$ 12,779,106.08		\$ 75,531,356.01
Transmission Costs	[PP]	\$ 505,594.22	\$ 501,659.58	\$ 491,296.47	\$ 504,973.52	\$ 496,361.36	\$ 517,053.57		\$ 3,016,938.72
Net of Emission Allow.	[E]		\$ (10.86)	\$ -	\$ -	\$ -	\$ -		\$ (10.86)
EDE Sales	[OSSR]	\$ (13,747,109.87)	\$ (10,932,365.29)	\$ (12,705,388.97)	\$ (15,793,584.98)	\$ (19,436,058.75)	\$ (14,876,062.11)		\$ (87,490,569.97)
Renewable Energy Credit Revenues	[REC]	\$ (24,740.66)	\$ (52,683.40)	\$ (15,390.50)	\$ -	\$ -	\$ (24,090.30)		\$ (116,904.86)
Total Energy Cost		\$ 10,142,911.34	\$ 11,277,628.98	\$ 9,743,171.94	\$ 11,295,917.58	\$ 13,670,400.20	\$ 12,940,610.71		\$ 69,070,640.75
Net Base Energy Rate		\$ 0.02415	0.02415	0.02415	0.02415	0.02415	0.02415		
NSI kwh		401,672,000	358,694,000	389,435,000	450,870,000	535,175,000	465,483,000		2,601,329,000
Base Energy Cost (B)		\$ 9,700,378.80	\$ 8,662,460.10	\$ 9,404,855.25	\$ 10,888,510.50	\$ 12,924,476.25	\$ 11,241,414.45		\$ 62,822,095.35
TEB-B		\$ 442,532.54	\$ 2,615,168.88	\$ 338,316.69	\$ 407,407.08	\$ 745,923.95	\$ 1,699,196.26		\$ 6,248,545.40
Missouri Retail kwh Sales		308,655,416	274,998,103	296,453,078	345,351,518	411,538,260	358,465,255		1,995,461,630
Total System kwh Sales		376,899,274	336,338,086	365,354,052	422,690,732	500,860,689	438,315,975		2,440,458,808
Missouri Energy Ratio (J)		0.8189	0.8176	0.8114	0.8170	0.8217	0.8178		0.8179
(TEB-B)*J		362,389.90	2,138,162.08	274,510.16	332,851.58	612,925.71	1,389,602.70		\$ 5,110,442.13
Fuel & PP Cost Recovery (Over)/Under (((FC + PP + E - OSSR - REC - B) * J) * 0.95)		\$ 344,270.39	\$ 2,031,253.96	\$ 260,784.65	\$ 316,209.01	\$ 582,279.42	\$ 1,320,122.57		\$ 4,854,920.00
(Over)/Under Adjustment (T)							\$ (1,045,681.91)		\$ (1,045,681.91)
Interest (Expense)/Income (I)		\$ (578.40)	\$ 3,606.55	\$ 4,380.44	\$ 6,123.08	\$ 7,107.67	\$ 7,386.42		\$ 28,025.76
Fuel & Purchased Power Adjustment (((FC + PP + E - OSSR - REC - B) * J) * 0.95) + T + I + P	(FPA)	\$ 343,691.99	\$ 2,034,860.51	\$ 265,165.09	\$ 322,332.09	\$ 589,387.09	\$ 1,327,508.99	\$ (1,045,681.91)	\$ 3,837,263.85
For Recovery Period									
Forecasted NSI kwh	a								2,707,971,000
Forecasted Missouri Retail kwh Sales	b								2,068,960,000
Forecasted Total System kwh Sales	c								2,525,484,000
Forecasted Missouri Ratio									81.92%
Forecasted Missouri NSI kwh (S)=a*(b/c)	(S)								2,218,459,384
Cost Adjustment Factor (FAR=FPA./S)	(FAR)								0.00173
FAR - Primary and above									0.00181
Primary Expansion Factor		1.0464							
FAR - Secondary									0.00184
Secondary Expansion Factor		1.0657							

Electric Revenue Summary by Rate
Electric by State
March 31, 2017

SCHEDULE BQK-3
4 CSR 240-3.161(7)A

Missouri

St	Revenue Class	Pricing Plan	Customers	KWH	Usage	Fran Fee	Fuel	EnvRec	RvrtR Rdr	ProperTax	XsFcly	SWPP	EERC	EFF	TCR	Total Revenue
MO		NM-Net Metering Total	-	(104,589)	(3,049.57)	(1.24)	-	-	-	-	-	-	-	-	-	(3,050.81)
MO		PL-Private Lighting Total	140	361,717	134,308.74	688.08	(1,653.41)	-	-	-	-	-	-	-	-	133,343.41
MO		RGL-Residential Pilot Total	46	18,377	2,099.45	61.27	(84.00)	-	-	-	-	-	-	7.16	-	2,083.88
MO		RG-Residential Total	128,632	118,643,027	15,785,689.86	438,621.36	(542,182.69)	-	-	-	-	-	-	46,261.29	-	15,728,389.82
MO		SH-Small Heating Total	-	(191)	(24.41)	-	0.87	-	-	-	-	-	-	(0.07)	-	(23.61)
MO	Residential	Total	128,818	118,918,341	15,919,024.07	439,369.47	(543,919.23)	-	-	-	-	-	-	46,268.38	-	15,860,742.69
MO		CB-Commercial Total	16,363	21,094,851	2,964,128.73	87,060.69	(96,400.59)	-	-	-	55.90	-	-	14,908.37	-	2,969,753.10
MO		GP-General Power Total	1,428	43,646,876	4,372,626.34	54,670.81	(199,466.18)	-	-	-	6,668.60	-	-	28,641.92	-	4,263,141.49
MO		LP-Large Power Total	7	9,201,448	693,453.84	1,484.11	(41,314.50)	-	-	-	39,766.67	-	-	2,268.88	-	695,659.00
MO		LS-Special Lighting Total	49	12,532	2,560.58	35.88	(57.29)	-	-	-	-	-	-	-	-	2,539.17
MO		NM-Net Metering Total	-	(29,927)	(878.68)	-	(1.10)	-	-	-	-	-	-	-	-	(879.78)
MO		PL-Private Lighting Total	132	684,495	204,841.54	2,779.88	(3,091.12)	-	-	-	440.32	-	-	0.66	-	204,971.28
MO		SH-Small Heating Total	2,975	6,096,219	706,859.29	18,221.74	(27,859.66)	-	-	-	-	-	-	4,263.78	-	701,485.15
MO		TEB-Total Electric Bldg Total	906	24,450,574	2,495,839.98	29,172.60	(111,746.41)	-	-	-	1,479.33	-	-	16,545.94	-	2,431,291.44
MO	Commercial	Total	21,860	105,157,068	11,439,431.62	193,425.71	(479,936.85)	-	-	-	48,410.82	-	-	66,629.55	-	11,267,960.85
MO		CB-Commercial Total	67	148,934	19,585.54	735.22	(680.62)	-	-	-	369.70	-	-	98.08	-	20,107.92
MO		GP-General Power Total	142	13,218,581	1,241,591.38	12,288.71	(60,729.23)	-	-	-	12,898.14	-	-	7,917.73	-	1,213,966.73
MO		LP-Large Power Total	27	47,159,646	3,421,330.96	880.00	(211,746.80)	-	-	-	56,173.46	-	-	6,904.38	-	3,273,542.00
MO		NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		Oil Pipe GP-General Power Total	6	1,165,576	123,944.03	-	(5,326.68)	-	-	-	50.00	-	-	403.14	-	119,070.49
MO		Oil Pipe LP-Large Power Total	5	4,124,148	317,650.74	-	(18,517.42)	-	-	-	-	-	-	2,339.03	-	301,472.35
MO		PFM-Feed Mill/Grain Elev Total	10	26,081	4,617.24	83.08	(119.19)	-	-	-	-	-	-	18.53	-	4,599.66
MO		PL-Private Lighting Total	-	28,953	7,535.06	146.58	(132.31)	-	-	-	-	-	-	-	-	7,549.33
MO		SC-P PRAXAIR Transmission T	1	5,999,911	324,840.63	-	(26,939.60)	-	-	-	72.00	-	-	-	-	297,973.03
MO		SH-Small Heating Total	9	22,970	2,608.91	52.65	(104.96)	-	-	-	-	-	-	16.30	-	2,572.90
MO		TEB-Total Electric Bldg Total	11	698,840	65,684.12	840.85	(3,193.69)	-	-	-	675.59	-	-	496.18	-	64,503.05
MO	Industrial	Total	278	72,593,640	5,529,388.61	15,027.09	(327,490.50)	-	-	-	70,238.89	-	-	18,193.37	-	5,305,357.46
MO		CB-Commercial Total	314	93,765	18,926.77	-	(428.55)	-	-	-	-	-	-	66.50	-	18,564.72
MO		GP-General Power Total	2	18,240	2,504.06	-	(83.35)	-	-	-	-	-	-	12.95	-	2,433.66
MO		LS-Special Lighting Total	78	14,102	3,190.07	-	(64.44)	-	-	-	-	-	-	-	-	3,125.63
MO		MS-Miscellaneous Total	2	11,295	1,187.72	-	(51.62)	-	-	-	-	-	-	-	-	1,136.10
MO		PL-Private Lighting Total	-	7,966	2,182.57	-	(36.45)	-	-	-	-	-	-	-	-	2,146.12
MO		SH-Small Heating Total	2	5,284	599.06	-	(24.15)	-	-	-	-	-	-	3.75	-	578.66
MO		SPL-Municipal St Lighting Total	7	1,592,619	192,408.59	-	(7,278.26)	-	-	-	83,712.45	-	-	-	-	268,842.78
MO	Muni Street & Hwy	Lighting Total	405	1,743,271	220,998.84	-	(7,966.82)	-	-	-	83,712.45	-	-	83.20	-	296,827.67
MO		CB-Commercial Total	1,090	1,188,110	170,512.34	-	(5,429.54)	-	-	-	-	-	-	843.49	-	165,926.29
MO		GP-General Power Total	162	5,421,850	543,570.96	-	(24,777.82)	-	-	-	1,186.02	-	-	3,849.52	-	523,828.68
MO		NM-Net Metering Total	-	(1,000)	(31.90)	-	(4.57)	-	-	-	-	-	-	0.71	-	(35.76)
MO		PL-Private Lighting Total	-	1,053	367.79	-	(4.82)	-	-	-	-	-	-	-	-	362.97
MO		SH-Small Heating Total	45	112,288	12,653.25	-	(513.16)	-	-	-	-	-	-	79.70	-	12,219.79
MO		TEB-Total Electric Bldg Total	18	574,176	64,968.26	-	(2,624.00)	-	-	-	-	-	-	407.66	-	62,751.92
MO	Other Public Authority	Total	1,315	7,296,477	792,040.70	-	(33,353.91)	-	-	-	1,186.02	-	-	5,181.08	-	765,053.89
MO		CB-Commercial Total	33	101,012	12,936.82	-	(461.65)	-	-	-	-	-	-	71.71	-	12,546.88
MO		GP-General Power Total	4	96,212	9,125.40	-	(439.69)	-	-	-	-	-	-	68.31	-	8,754.02
MO		PL-Private Lighting Total	-	253	68.59	-	(1.16)	-	-	-	-	-	-	-	-	67.43
MO	Interdepartmental	Total	37	197,477	22,130.81	-	(902.50)	-	-	-	-	-	-	140.02	-	21,368.33
MO	Total Retail		152,713	305,906,274	33,923,014.65	647,822.27	(1,393,569.81)	-	-	-	203,548.18	-	-	136,495.60	-	33,517,310.89
MO		GFR-Lockwood Total	1	804,194	31,738.47	-	16,502.06	-	-	-	-	-	-	-	-	48,240.53
MO		GFR-Monett Total	1	18,958,991	658,017.13	-	389,038.50	-	-	-	-	-	-	-	-	1,047,055.63
MO		GFR-Mt Vernon Total	1	5,307,433	200,141.15	-	108,908.53	-	-	-	-	-	-	-	-	309,049.68
MO	Wholesale Municipalities	Total	3	25,070,618	889,896.75	-	514,449.09	-	-	-	-	-	-	-	-	1,404,345.84
MO	Total		152,716	330,976,892	34,812,911.40	647,822.27	(879,120.72)	-	-	-	203,548.18	-	-	136,495.60	-	34,921,656.73

Electric Revenue Summary by Rate
Electric by State
April 30, 2017

SCHEDULE BQK-3
4 CSR 240-3.161(7)A

Missouri

St	Revenue Class	Pricing Plan	Customers	KWH	Usage	Fran Fee	Fuel	EnvRec	Rvtn Rdr	ProperTax	XsFcty	SWPP	EFF	TCR	EERC	Total Revenue
MO		NM-Net Metering Total	-	(156,511)	(3,950.24)	-	-	-	-	-	-	-	-	-	-	(3,950.24)
MO		PL-Private Lighting Total	138	361,328	134,423.89	695.23	(1,652.39)	-	-	-	-	-	-	-	-	133,466.73
MO		RGL-Residential Pilot Total	99	88,785	10,409.43	361.94	(405.78)	-	-	-	-	-	34.68	-	-	10,400.27
MO		RG-Residential Total	128,484	104,415,665	14,247,325.13	398,020.02	(477,148.33)	-	-	-	-	-	40,714.37	-	-	14,208,911.19
MO	Residential	Total	128,721	104,709,267	14,388,208.21	399,077.19	(479,206.50)	-	-	-	-	-	40,749.05	-	-	14,348,827.95
MO		CB-Commercial Total	16,350	20,925,783	2,942,521.24	86,017.02	(95,628.23)	-	-	-	55.90	-	14,782.03	-	-	2,947,747.96
MO		GP-General Power Total	1,428	45,008,569	4,470,324.83	55,079.01	(205,689.23)	-	-	-	6,668.60	-	29,665.13	-	-	4,356,048.34
MO		LP-Large Power Total	7	9,492,906	718,984.80	1,492.75	(42,623.15)	-	-	-	39,766.67	-	2,275.69	-	-	719,896.76
MO		LS-Special Lighting Total	49	12,495	2,615.60	29.57	(57.09)	-	-	-	-	-	0.24	-	-	2,588.32
MO		NM-Net Metering Total	-	(35,454)	(907.63)	-	-	-	-	-	-	-	-	-	-	(907.63)
MO		PL-Private Lighting Total	135	691,106	212,363.79	2,777.31	(3,159.61)	-	-	-	440.32	-	0.66	-	-	212,422.47
MO		SH-Small Heating Total	2,978	5,645,611	662,473.73	17,129.20	(25,800.47)	-	-	-	-	-	3,951.42	-	-	657,753.88
MO		TEB-Total Electric Bldg Total	907	25,312,946	2,544,891.15	30,364.45	(115,680.12)	-	-	-	1,479.33	-	17,176.01	-	-	2,478,230.82
MO	Commercial	Total	21,854	107,053,962	11,553,267.51	192,889.31	(488,637.90)	-	-	-	48,410.82	-	67,851.18	-	-	11,373,780.92
MO		CB-Commercial Total	67	147,959	19,458.00	735.87	(676.18)	-	-	-	369.70	-	98.38	-	-	19,985.77
MO		GP-General Power Total	143	12,903,297	1,237,214.56	11,439.80	(58,968.10)	-	-	-	12,898.14	-	7,797.17	-	-	1,210,381.57
MO		LP-Large Power Total	27	45,083,094	3,342,356.67	880.00	(202,423.05)	-	-	-	56,173.46	-	6,428.95	-	-	3,203,416.03
MO		NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		Oil Pipe GP-General Power Total	6	1,293,390	135,323.58	-	(5,910.79)	-	-	-	50.00	-	433.73	-	-	129,896.52
MO		Oil Pipe LP-Large Power Total	5	4,448,574	335,123.77	-	(19,974.09)	-	-	-	-	-	2,365.72	-	-	317,515.40
MO		PFM-Feed Mill/Grain Elev Total	10	28,213	4,969.77	82.63	(128.92)	-	-	-	-	-	20.04	-	-	4,943.52
MO		PL-Private Lighting Total	-	28,953	7,535.06	146.58	(132.31)	-	-	-	-	-	-	-	-	7,549.33
MO		SC-P PRAXAIR Transmission Total	1	5,799,914	315,948.13	-	(26,041.61)	-	-	-	72.00	-	-	-	-	289,978.52
MO		SH-Small Heating Total	9	20,181	2,338.89	41.38	(92.21)	-	-	-	-	-	14.33	-	-	2,302.39
MO		TEB-Total Electric Bldg Total	11	686,160	64,145.43	817.75	(3,135.73)	-	-	-	675.59	-	487.17	-	-	62,990.21
MO	Industrial	Total	279	70,439,735	5,464,413.86	14,144.01	(317,482.99)	-	-	-	70,238.89	-	17,645.49	-	-	5,248,959.26
MO		CB-Commercial Total	314	109,287	20,822.67	-	(499.55)	-	-	-	-	-	77.54	-	-	20,400.66
MO		GP-General Power Total	2	25,120	3,167.28	-	(114.80)	-	-	-	-	-	17.83	-	-	3,070.31
MO		LS-Special Lighting Total	78	21,066	4,368.52	-	(96.26)	-	-	-	-	-	-	-	-	4,272.26
MO		MS-Miscellaneous Total	2	11,295	1,187.72	-	(51.62)	-	-	-	-	-	-	-	-	1,136.10
MO		PL-Private Lighting Total	-	7,966	2,182.57	-	(36.45)	-	-	-	-	-	-	-	-	2,146.12
MO		SH-Small Heating Total	2	4,635	516.31	-	(21.18)	-	-	-	-	-	3.29	-	-	498.42
MO		SPL-Municipal St Lighting Total	7	1,372,946	192,408.59	-	(6,274.37)	-	-	-	83,712.45	-	-	-	-	269,846.67
MO	Muni Street & Highway Lighting	Total	405	1,552,315	224,653.66	-	(7,094.23)	-	-	-	83,712.45	-	98.66	-	-	301,370.54
MO		CB-Commercial Total	1,091	1,193,945	171,233.74	-	(5,456.41)	-	-	-	-	-	847.62	-	-	166,624.95
MO		GP-General Power Total	162	5,488,424	546,399.34	-	(25,082.13)	-	-	-	1,186.02	-	3,896.79	-	-	526,400.02
MO		NM-Net Metering Total	-	(280)	(7.17)	-	(1.28)	-	-	-	-	-	0.20	-	-	(8.25)
MO		PL-Private Lighting Total	-	1,053	367.79	-	(4.82)	-	-	-	-	-	-	-	-	362.97
MO		SH-Small Heating Total	45	91,592	10,627.00	-	(418.58)	-	-	-	-	-	65.08	-	-	10,273.50
MO		TEB-Total Electric Bldg Total	18	553,202	63,339.87	-	(2,528.15)	-	-	-	-	-	392.79	-	-	61,204.51
MO	Other Public Authority	Total	1,316	7,327,936	791,960.57	-	(33,491.37)	-	-	-	1,186.02	-	5,202.48	-	-	764,857.70
MO		CB-Commercial Total	33	96,300	12,374.13	-	(440.10)	-	-	-	-	-	68.40	-	-	12,002.43
MO		GP-General Power Total	4	98,632	8,982.74	-	(450.75)	-	-	-	-	-	70.02	-	-	8,602.01
MO		PL-Private Lighting Total	-	253	68.59	-	(1.16)	-	-	-	-	-	-	-	-	67.43
MO	Interdepartmental	Total	37	195,185	21,425.46	-	(892.01)	-	-	-	-	-	138.42	-	-	20,671.87
MO	Total Retail		152,612	291,278,400	32,443,929.27	606,110.51	(1,326,805.00)	-	-	-	203,548.18	-	131,685.28	-	-	32,058,468.24
MO		GFR-Lockwood Total	1	725,254	26,238.26	-	12,655.68	-	-	-	-	-	-	-	-	38,893.94
MO		GFR-Monett Total	1	17,737,899	604,159.46	-	309,526.34	-	-	-	-	-	-	-	-	913,685.80
MO		GFR-Mt Vernon Total	1	4,959,606	166,043.91	-	86,545.12	-	-	-	-	-	-	-	-	252,589.03
MO	Wholesale Municipalities	Total	3	23,422,759	796,441.63	-	408,727.14	-	-	-	-	-	-	-	-	1,205,168.77
MO	Total		152,615	314,701,159	33,240,370.90	606,110.51	(918,077.86)	-	-	-	203,548.18	-	131,685.28	-	-	33,263,637.01

Electric Revenue Summary by State
Electric by State
May 31, 2017

SCHEDULE BQK-3
4 CSR 240-3.161(7)A

Missouri

St	Revenue Class	Pricing Plan	Customers	KWH	Usage	Fran Fee	Fuel	EnvRec	RvrtRdr	ProperTax	XsFcly	SWPP	EERC	EFF	TCR	Total Revenue
MO		NM-Net Metering Total	-	(269,960)	(7,001.98)	-	-	-	-	-	-	-	-	-	-	(7,001.98)
MO		PL-Private Lighting Total	139	359,456	133,743.77	672.85	(1,644.56)	-	-	-	-	-	-	-	-	132,772.06
MO		RGL-Residential Pilot Total	124	115,734	13,741.93	539.23	(528.93)	-	-	-	-	-	-	45.12	-	13,797.35
MO		RG-Residential Total	128,359	92,749,265	12,982,826.30	371,461.79	(423,822.81)	-	-	-	-	-	-	36,163.02	-	12,966,628.30
MO		Residential Total	128,622	92,954,495	13,123,310.02	372,673.87	(425,996.30)	-	-	-	-	-	-	36,208.14	-	13,106,195.73
MO		CB-Commercial Total	16,387	19,963,440	2,825,769.29	83,713.71	(91,223.79)	-	-	-	55.90	-	-	14,107.93	-	2,832,423.04
MO		GP-General Power Total	1,430	44,340,780	4,452,899.95	53,876.08	(202,617.78)	-	-	-	6,668.60	-	-	29,207.16	-	4,340,034.01
MO		LP-Large Power Total	7	9,946,341	741,945.46	1,613.98	(44,659.07)	-	-	-	39,766.67	-	-	2,351.52	-	741,018.56
MO		LS-Special Lighting Total	49	13,528	2,769.23	49.34	(61.83)	-	-	-	-	-	-	0.92	-	2,757.66
MO		MS-Miscellaneous Total	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		NM-Net Metering Total	-	(64,870)	(1,699.33)	-	-	-	-	-	-	-	-	-	-	(1,699.33)
MO		PL-Private Lighting Total	134	688,809	211,246.88	2,765.49	(3,143.01)	-	-	-	440.32	-	-	0.66	-	211,310.34
MO		RG-Residential Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		SH-Small Heating Total	2,974	4,994,312	597,477.92	15,653.17	(22,824.39)	-	-	-	-	-	-	3,489.67	-	593,796.37
MO		TEB-Total Electric Bldg Total	909	23,047,205	2,341,810.64	27,704.60	(105,324.37)	-	-	-	1,479.33	-	-	15,630.30	-	2,281,300.50
MO		Commercial Total	21,891	102,929,545	11,172,220.04	185,376.37	(469,854.24)	-	-	-	48,410.82	-	-	64,788.16	-	11,000,941.15
MO		CB-Commercial Total	67	123,280	16,507.85	637.84	(563.40)	-	-	-	369.70	-	-	84.17	-	17,036.16
MO		GP-General Power Total	143	12,990,181	1,259,508.36	11,883.25	(59,365.13)	-	-	-	12,898.14	-	-	7,882.80	-	1,232,807.42
MO		LP-Large Power Total	27	48,465,220	3,532,936.99	880.00	(217,608.84)	-	-	-	56,173.46	-	-	6,997.80	-	3,379,379.41
MO		NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		Oil Pipe GP-General Power Total	6	1,434,878	142,865.18	-	(6,557.40)	-	-	-	50.00	-	-	423.90	-	136,781.68
MO		Oil Pipe LP-Large Power Total	5	5,238,275	415,143.54	-	(23,519.86)	-	-	-	-	-	-	2,428.20	-	394,051.88
MO		PFM-Feed Mill/Grain Elev Total	10	23,876	4,274.41	82.94	(109.12)	-	-	-	-	-	-	16.95	-	4,265.18
MO		PL-Private Lighting Total	-	28,953	7,535.06	146.58	(132.31)	-	-	-	-	-	-	-	-	7,549.33
MO		SC-P PRAXAIR Transmission Total	1	4,945,382	286,022.44	-	(22,204.77)	-	-	-	72.00	-	-	-	-	263,889.67
MO		SH-Small Heating Total	9	19,899	2,305.50	37.87	(90.93)	-	-	-	-	-	-	14.13	-	2,266.57
MO		TEB-Total Electric Bldg Total	11	635,960	60,411.23	774.26	(2,906.31)	-	-	-	675.59	-	-	451.53	-	59,406.30
MO		Industrial Total	279	73,905,904	5,727,510.56	14,442.74	(333,058.07)	-	-	-	70,238.89	-	-	18,299.48	-	5,497,433.60
MO		CB-Commercial Total	313	107,360	20,508.54	-	(490.64)	-	-	-	-	-	-	76.19	-	20,094.09
MO		GP-General Power Total	2	26,320	3,308.89	-	(120.28)	-	-	-	-	-	-	18.69	-	3,207.30
MO		LS-Special Lighting Total	71	31,354	5,854.06	-	(143.30)	-	-	-	-	-	-	0.96	-	5,711.72
MO		MS-Miscellaneous Total	2	11,295	1,187.72	-	(51.62)	-	-	-	-	-	-	-	-	1,136.10
MO		PL-Private Lighting Total	-	7,966	2,182.57	-	(36.45)	-	-	-	-	-	-	-	-	2,146.12
MO		SH-Small Heating Total	2	3,936	449.78	-	(17.99)	-	-	-	-	-	-	2.80	-	434.59
MO		SPL-Municipal St Lighting Total	7	1,281,416	192,408.59	-	(5,856.10)	-	-	-	83,712.45	-	-	-	-	270,264.94
MO		Muni Street & Highway Lighting Total	397	1,469,647	225,900.15	-	(6,716.38)	-	-	-	83,712.45	-	-	98.64	-	302,994.86
MO		CB-Commercial Total	1,078	1,290,092	182,496.01	-	(5,895.62)	-	-	-	-	-	-	915.74	-	177,516.13
MO		GP-General Power Total	162	6,442,248	617,012.81	-	(29,441.01)	-	-	-	1,186.02	-	-	4,574.03	-	593,331.85
MO		NM-Net Metering Total	-	(1,440)	(36.86)	-	-	-	-	-	-	-	-	-	-	(36.86)
MO		PL-Private Lighting Total	-	1,053	367.79	-	(4.82)	-	-	-	-	-	-	-	-	362.97
MO		SH-Small Heating Total	44	74,350	8,936.90	-	(339.77)	-	-	-	-	-	-	52.81	-	8,649.94
MO		TEB-Total Electric Bldg Total	18	457,376	52,406.63	-	(2,090.20)	-	-	-	-	-	-	324.74	-	50,641.17
MO		Other Public Authority Total	1,302	8,263,679	861,183.28	-	(37,771.42)	-	-	-	1,186.02	-	-	5,867.32	-	830,465.20
MO		CB-Commercial Total	32	94,246	12,126.46	-	(430.69)	-	-	-	-	-	-	66.90	-	11,762.67
MO		GP-General Power Total	4	83,178	7,900.50	-	(380.12)	-	-	-	-	-	-	59.06	-	7,579.44
MO		PL-Private Lighting Total	-	253	68.59	-	(1.16)	-	-	-	-	-	-	-	-	67.43
MO		Interdepartmental Total	36	177,677	20,095.55	-	(811.97)	-	-	-	-	-	-	125.96	-	19,409.54
MO		Total Retail	152,527	279,700,947	31,130,219.60	572,492.98	(1,274,208.38)	-	-	-	203,548.18	-	-	125,387.70	-	30,757,440.08
MO		GFR-Lockwood Total	1	791,859	34,558.46	-	21,063.45	-	-	-	-	-	-	-	-	55,621.91
MO		GFR-Monett Total	1	19,213,077	681,190.30	-	511,067.85	-	-	-	-	-	-	-	-	1,192,258.15
MO		GFR-Mt Vernon Total	1	5,550,417	223,680.96	-	147,641.09	-	-	-	-	-	-	-	-	371,322.05
MO		Wholesale Municipalities Total	3	25,555,353	939,429.72	-	679,772.39	-	-	-	-	-	-	-	-	1,619,202.11
MO		Total	152,530	305,256,300	32,069,649.32	572,492.98	(594,435.99)	-	-	-	203,548.18	-	-	125,387.70	-	32,376,642.19

Electric Revenue Summary by Rate
Electric by State
June 30, 2017

SCHEDULE BQK-3
4 CSR 240-3.161(7)A

Missouri

St	Revenue Class	Pricing Plan	Customers	KWH	Usage	Fran Fee	Fuel Charges	EnvRec	Rvrtn Rdr	ProperTax	XsFcilty	SWPP	EERC	EFF	TCR	Total Revenue
MO		NM-Net Metering Total	-	(333,239)	(8,662.18)	(0.80)	(1.03)	-	-	-	-	-	-	0.26	-	(8,663.75)
MO		PL-Private Lighting Total	142	359,494	133,789.83	692.49	(487.04)	-	-	-	-	-	-	-	-	133,995.28
MO		RGL-Residential Pilot Total	371	226,335	28,567.37	953.59	(358.75)	-	-	-	-	-	-	88.32	-	29,250.53
MO		RG-Residential Total	128,344	110,018,332	15,548,570.41	462,773.10	(243,361.39)	-	-	-	-	-	-	42,891.42	-	15,810,873.54
MO		Residential Total	128,857	110,270,922	15,702,265.43	464,418.38	(244,208.21)	-	-	-	-	-	-	42,980.00	-	15,965,455.60
MO		CB-Commercial Total	16,435	23,336,048	3,345,805.90	101,647.27	(53,676.31)	-	-	-	55.90	-	-	16,491.56	-	3,410,324.32
MO		GP-General Power Total	1,428	50,178,578	5,273,659.28	59,844.41	(105,523.11)	-	-	-	6,668.60	-	-	32,983.03	-	5,267,632.21
MO		LP-Large Power Total	7	10,025,293	957,364.59	2,152.83	383.15	-	-	-	39,766.67	-	-	2,550.88	-	1,002,218.12
MO		LS-Special Lighting Total	52	15,959	3,067.98	54.78	(44.72)	-	-	-	-	-	-	1.20	-	3,079.24
MO		MS-Miscellaneous Total	1	15	9.98	0.30	(0.04)	-	-	-	-	-	-	0.01	-	10.25
MO		NM-Net Metering Total	-	(98,996)	(2,407.73)	-	-	-	-	-	-	-	-	-	-	(2,407.73)
MO		PL-Private Lighting Total	131	687,113	211,451.67	2,781.75	(936.35)	-	-	-	440.32	-	-	0.66	-	213,738.05
MO		RG-Residential Total	1	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		SH-Small Heating Total	2,975	5,807,373	753,977.75	20,200.97	(13,892.92)	-	-	-	-	-	-	4,051.52	-	764,337.32
MO		TEB-Total Electric Bldg Total	911	26,142,413	2,848,866.90	33,082.89	(66,739.67)	-	-	-	1,479.33	-	-	17,708.27	-	2,834,397.72
MO		Commercial Total	21,941	116,093,796	13,391,796.32	219,765.20	(240,429.97)	-	-	-	48,410.82	-	-	73,787.13	-	13,493,329.50
MO		CB-Commercial Total	67	129,366	18,022.96	702.23	(259.48)	-	-	-	369.70	-	-	85.93	-	18,921.34
MO		GP-General Power Total	144	14,966,998	1,515,523.12	13,435.82	(21,767.14)	-	-	-	12,831.38	-	-	9,132.99	-	1,529,156.17
MO		LP-Large Power Total	27	51,006,025	4,642,672.56	880.00	78,510.26	-	-	-	56,173.46	-	-	7,405.16	-	4,785,641.44
MO		NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		Oil Pipe GP-General Power Total	6	1,095,833	137,551.96	-	1,356.69	-	-	-	50.00	-	-	437.17	-	139,395.82
MO		Oil Pipe LP-Large Power Total	5	4,239,405	412,180.13	-	6,995.02	-	-	-	-	-	-	2,311.76	-	421,486.91
MO		PFM-Feed Mill/Grain Elev Total	10	25,660	4,684.63	107.23	(63.62)	-	-	-	-	-	-	18.22	-	4,746.46
MO		PL-Private Lighting Total	-	28,953	7,535.06	149.70	3.67	-	-	-	-	-	-	-	-	7,688.43
MO		SC-P PRAXAIR Transmission To	1	5,860,519	421,168.62	-	9,669.87	-	-	-	72.00	-	-	-	-	430,910.49
MO		SH-Small Heating Total	9	20,024	2,781.67	43.99	(32.60)	-	-	-	-	-	-	14.21	-	2,807.27
MO		TEB-Total Electric Bldg Total	11	712,800	79,112.12	899.45	(645.89)	-	-	-	675.59	-	-	506.07	-	80,547.34
MO		Industrial Total	280	78,085,583	7,241,232.83	16,218.42	73,766.78	-	-	-	70,172.13	-	-	19,911.51	-	7,421,301.67
MO		CB-Commercial Total	314	243,731	38,667.49	-	(449.73)	-	-	-	-	-	-	172.96	-	38,390.72
MO		GP-General Power Total	2	55,920	6,970.31	-	(139.11)	-	-	-	-	-	-	39.70	-	6,870.90
MO		LS-Special Lighting Total	71	71,108	11,564.65	-	(130.43)	-	-	-	-	-	-	2.90	-	11,437.12
MO		MS-Miscellaneous Total	2	11,295	1,187.72	-	(2.21)	-	-	-	-	-	-	-	-	1,185.51
MO		PL-Private Lighting Total	-	7,966	2,182.57	-	(11.69)	-	-	-	-	-	-	-	-	2,170.88
MO		SH-Small Heating Total	2	3,884	443.08	-	(17.55)	-	-	-	-	-	-	2.76	-	428.29
MO		SPL-Municipal St Lighting Total	7	1,244,379	193,732.71	-	1,760.70	-	574.09	-	83,573.81	-	-	-	-	279,641.31
MO		Muni Street & Highway Lighting Total	398	1,638,283	254,748.53	-	1,009.98	-	574.09	-	83,573.81	-	-	218.32	-	340,124.73
MO		CB-Commercial Total	1,087	1,568,596	225,910.65	-	(3,023.45)	-	-	-	-	-	-	1,113.39	-	224,000.59
MO		GP-General Power Total	162	5,402,288	577,002.21	-	(11,903.38)	-	-	-	1,186.02	-	-	3,835.66	-	570,120.51
MO		NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		PL-Private Lighting Total	-	1,053	367.79	-	(0.24)	-	-	-	-	-	-	-	-	367.55
MO		SH-Small Heating Total	44	82,705	11,104.42	-	(180.05)	-	-	-	-	-	-	58.76	-	10,983.13
MO		TEB-Total Electric Bldg Total	18	551,549	63,229.62	-	(1,611.64)	-	-	-	-	-	-	391.60	-	62,009.58
MO		Other Public Authority Total	1,311	7,606,191	877,614.69	-	(16,718.76)	-	-	-	1,186.02	-	-	5,399.41	-	867,481.36
MO		CB-Commercial Total	32	88,517	12,093.43	-	(221.27)	-	-	-	-	-	-	62.82	-	11,934.98
MO		GP-General Power Total	4	80,028	8,192.89	-	(230.63)	-	-	-	-	-	-	56.82	-	8,019.08
MO		PL-Private Lighting Total	-	253	68.59	-	(0.35)	-	-	-	-	-	-	-	-	68.24
MO		Interdepartmental Total	36	168,798	20,354.91	-	(452.25)	-	-	-	-	-	-	119.64	-	20,022.30
MO		Total Retail	152,823	313,863,573	37,488,012.71	700,402.00	(427,032.43)	-	574.09	-	203,342.78	-	-	142,416.01	-	38,107,715.16
MO		GFR-Lockwood Total	1	1,001,542	39,246.02	-	19,409.88	-	-	-	-	-	-	-	-	58,655.90
MO		GFR-Monett Total	1	20,209,685	739,786.71	-	391,663.70	-	-	-	-	-	-	-	-	1,131,450.41
MO		GFR-Mt Vernon Total	1	6,431,083	255,093.68	-	124,634.39	-	-	-	-	-	-	-	-	379,728.07
MO		Wholesale Municipalities Total	3	27,642,310	1,034,126.41	-	535,707.97	-	-	-	-	-	-	-	-	1,569,834.38
MO		Total	152,826	341,505,883	38,522,139.12	700,402.00	108,675.54	-	574.09	-	203,342.78	-	-	142,416.01	-	39,677,549.54

Electric Revenue Rate Summary
Electric by State
July 31, 2017

SCHEDULE BQK-3
4 CSR 240-3.161(7)A

Missouri	St	Class	Pricing Plan	Customers	KWH	Usage	Fran Fee	Fuel	EnvRec	RvrtRn Rdr	ProperTax	XsFclty	SWPP	EERC	EFF	TCR	Total Revenue
MO			NM-Net Metering Total	-	(166,859)	(4,526.05)	0.80	1.03	-	-	-	-	-	-	(0.26)	-	(4,524.48)
MO			PL-Private Lighting Total	129	358,748	133,513.49	696.05	598.04	-	-	-	-	-	-	-	-	134,807.58
MO			RGL-Residential Pilot Total	588	532,026	69,196.01	2,177.40	878.37	-	-	-	-	-	-	207.40	-	72,459.18
MO			RG-Residential Total	128,294	152,134,933	21,464,427.79	663,383.38	245,332.05	-	0.00	-	-	-	-	59,323.84	-	22,432,492.76
MO	Residential		Total	129,011	152,858,848	21,662,611.24	666,257.63	246,809.49	-	0.00	-	-	-	-	59,530.98	-	22,635,235.04
MO			CB-Commercial Total	16,425	28,575,739	4,136,590.63	125,509.30	46,324.21	-	-	-	55.90	-	-	20,135.30	-	4,328,615.34
MO			GP-General Power Total	1,430	58,105,014	6,118,848.81	66,121.21	91,723.80	-	-	-	6,668.60	-	-	38,163.93	-	6,321,526.35
MO			LP-Large Power Total	7	12,117,272	1,077,606.61	2,388.35	19,993.50	-	-	-	40,000.70	-	-	2,903.62	-	1,142,892.78
MO			LS-Special Lighting Total	52	22,474	3,943.89	89.34	36.42	-	-	-	-	-	-	3.32	-	4,072.97
MO			MS-Miscellaneous Total	1	48	24.39	0.74	0.08	-	-	-	-	-	-	0.03	-	25.24
MO			NM-Net Metering Total	-	(67,121)	(1,770.01)	-	-	-	-	-	-	-	-	-	-	(1,770.01)
MO			PL-Private Lighting Total	131	686,202	211,078.66	2,820.86	1,153.09	-	-	-	440.32	-	-	0.66	-	215,493.59
MO			RG-Residential Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO			SH-Small Heating Total	2,985	7,063,669	976,998.85	26,194.63	10,311.45	-	-	-	-	-	-	4,926.82	-	1,018,431.75
MO			TEB-Total Electric Bldg Total	909	30,743,875	3,550,594.94	43,296.85	45,452.22	-	-	-	1,479.33	-	-	20,906.14	-	3,661,729.48
MO	Commercial		Total	21,940	137,247,172	16,073,916.77	266,421.28	214,994.77	-	(0.00)	-	48,644.85	-	-	87,039.82	-	16,691,017.49
MO			CB-Commercial Total	67	145,529	20,683.72	801.91	239.44	-	-	-	369.70	-	-	98.09	-	22,192.86
MO			GP-General Power Total	144	15,474,735	1,629,611.11	15,096.20	23,133.73	-	-	-	12,831.38	-	-	9,474.62	-	1,690,147.04
MO			LP-Large Power Total	27	51,424,831	4,735,318.69	880.00	84,557.83	-	-	-	56,566.13	-	-	7,357.22	-	4,884,679.87
MO			NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO			Oil Pipe GP-General Power Total	6	1,595,288	176,649.94	-	2,680.09	-	-	-	50.00	-	-	460.93	-	179,840.96
MO			Oil Pipe LP-Large Power Total	5	4,769,985	429,298.24	-	7,870.47	-	-	-	-	-	-	2,343.00	-	439,511.71
MO			PFM-Feed Mill/Grain Elev Total	10	44,794	8,360.36	234.46	75.25	-	-	-	-	-	-	31.81	-	8,701.88
MO			PL-Private Lighting Total	-	28,953	7,535.06	150.79	48.64	-	-	-	-	-	-	-	-	7,734.49
MO			SC-P PRAXAIR Transmission T	1	5,945,366	420,582.55	-	9,809.83	-	-	-	72.00	-	-	-	-	430,464.38
MO			SH-Small Heating Total	9	23,544	3,234.76	52.79	39.55	-	-	-	-	-	-	16.70	-	3,343.80
MO			TEB-Total Electric Bldg Total	11	723,640	81,832.92	918.09	1,215.72	-	-	-	675.59	-	-	513.80	-	85,156.12
MO	Industrial		Total	280	80,176,665	7,513,107.35	18,134.24	129,670.55	-	-	-	70,564.80	-	-	20,296.17	-	7,751,773.11
MO			CB-Commercial Total	318	189,465	32,098.58	-	278.59	-	-	-	-	-	-	134.50	-	32,511.67
MO			GP-General Power Total	2	80,720	9,279.52	-	129.19	-	-	-	-	-	-	57.31	-	9,466.02
MO			LS-Special Lighting Total	71	76,096	11,938.23	-	125.93	-	-	-	-	-	-	2.53	-	12,066.69
MO			MS-Miscellaneous Total	2	11,295	1,187.72	-	18.98	-	-	-	-	-	-	-	-	1,206.70
MO			PL-Private Lighting Total	-	7,966	2,182.57	-	13.39	-	-	-	-	-	-	-	-	2,195.96
MO			SH-Small Heating Total	2	3,461	490.87	-	0.62	-	-	-	-	-	-	2.45	-	493.94
MO			SPL-Municipal St Lighting Total	7	1,232,887	193,221.97	-	2,061.72	-	(574.09)	-	83,583.71	-	-	-	-	278,293.31
MO	Muni Street & Highway		Lighting Total	402	1,601,890	250,399.46	-	2,628.42	-	(574.09)	-	83,583.71	-	-	196.79	-	336,234.29
MO			CB-Commercial Total	1,081	1,160,407	176,888.61	-	2,626.72	-	-	-	-	-	-	965.71	-	180,481.04
MO			GP-General Power Total	163	6,318,989	684,392.15	-	10,154.55	-	-	-	1,186.02	-	-	4,486.47	-	700,219.19
MO			NM-Net Metering Total	-	(3,840)	(110.97)	-	-	-	-	-	-	-	-	-	-	(110.97)
MO			PL-Private Lighting Total	-	1,053	367.79	-	1.77	-	-	-	-	-	-	-	-	369.56
MO			SH-Small Heating Total	44	105,895	14,629.02	-	164.54	-	-	-	-	-	-	75.18	-	14,868.74
MO			TEB-Total Electric Bldg Total	18	625,993	80,044.67	-	986.97	-	-	-	-	-	-	444.44	-	81,476.08
MO	Other Public Authority		Total	1,306	8,208,497	956,211.27	-	13,934.55	-	-	-	1,186.02	-	-	5,971.80	-	977,303.64
MO			CB-Commercial Total	33	101,274	14,061.93	-	167.99	-	-	-	-	-	-	71.90	-	14,301.82
MO			GP-General Power Total	4	106,266	10,756.22	-	178.52	-	-	-	-	-	-	75.45	-	11,010.19
MO			PL-Private Lighting Total	-	253	68.59	-	0.43	-	-	-	-	-	-	-	-	69.02
MO	Interdepartmental		Total	37	207,793	24,886.74	-	346.94	-	-	-	-	-	-	147.35	-	25,381.03
MO	Total Retail			152,976	380,300,865	46,481,132.83	950,813.15	608,384.72	-	(574.09)	-	203,979.38	-	-	173,182.91	-	48,416,944.60
MO			GFR-Lockwood Total	1	1,248,227	49,329.69	-	28,110.07	-	-	-	-	-	-	-	-	77,439.76
MO			GFR-Monett Total	1	23,976,567	825,005.95	-	539,952.29	-	-	-	-	-	-	-	-	1,364,958.24
MO			GFR-Mt Vernon Total	1	7,699,045	296,807.51	-	173,382.50	-	-	-	-	-	-	-	-	470,190.01
MO	Wholesale Municipalities		Total	3	32,923,839	1,171,143.15	-	741,444.86	-	-	-	-	-	-	-	-	1,912,588.01
MO	Total			152,979	413,224,704	47,652,275.98	950,813.15	1,349,829.58	-	(574.09)	-	203,979.38	-	-	173,182.91	-	50,329,532.61

Electric Revenue Summary by Rate
Electric by State
August 31, 2017

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Missouri

St	Revenue Class	Pricing Plan	Customers	KWH	Usage	Fran Fee	Fuel Charges	EnvRec	RvrtRdr	ProperTax	XsFcly	SWPP	EERC	EFF	TCR	Total Revenue
MO		NM-Net Metering Total	-	(81,637)	(2,096.37)	-	0.38	-	-	-	-	-	-	0.09	-	(2,095.90)
MO		PL-Private Lighting Total	136	356,934	132,836.86	692.00	595.13	-	-	-	-	-	-	-	-	134,123.99
MO		RGL-Residential Pilot Total	646	708,436	92,127.48	2,796.60	1,190.18	-	-	-	-	-	-	276.43	-	96,390.69
MO		RG-Residential Total	128,291	161,019,265	22,620,791.43	699,915.50	270,490.52	-	-	-	-	-	-	62,789.62	-	23,653,987.07
MO	Residential	Total	129,073	162,002,998	22,843,659.40	703,404.10	272,276.21	-	-	-	-	-	-	63,066.14	-	23,882,405.85
MO		CB-Commercial Total	16,437	29,762,843	4,292,872.75	128,582.10	50,129.00	-	-	-	55.90	-	-	21,119.78	-	4,492,759.53
MO		GP-General Power Total	1,434	60,130,793	6,394,473.99	67,165.49	101,019.70	-	-	-	6,692.51	-	-	39,627.43	-	6,608,979.12
MO		LP-Large Power Total	7	12,196,830	1,092,937.45	2,417.44	20,124.77	-	-	-	40,000.70	-	-	2,918.11	-	1,158,398.47
MO		LS-Special Lighting Total	49	10,348	2,426.11	41.93	17.37	-	-	-	-	-	-	1.70	-	2,487.11
MO		MS-Miscellaneous Total	1	128	32.53	0.99	0.22	-	-	-	-	-	-	0.09	-	33.83
MO		NM-Net Metering Total	-	(48,015)	(1,058.03)	-	-	-	-	-	-	-	-	-	-	(1,058.03)
MO		PL-Private Lighting Total	129	690,847	212,263.17	2,870.57	1,160.48	-	-	-	440.32	-	-	1.37	-	216,735.91
MO		SH-Small Heating Total	2,974	7,754,947	1,066,055.90	28,143.01	13,028.51	-	-	-	-	-	-	5,435.47	-	1,112,662.89
MO		TEB-Total Electric Bldg Total	910	33,290,429	3,801,397.55	46,861.71	55,927.93	-	-	-	1,479.33	-	-	22,732.61	-	3,928,399.13
MO	Commercial	Total	21,941	143,789,150	16,861,401.42	276,083.24	241,407.98	-	(0.00)	-	48,668.76	-	-	91,836.56	-	17,519,397.96
MO		CB-Commercial Total	67	158,522	22,403.61	856.03	266.32	-	-	-	369.70	-	-	105.86	-	24,001.52
MO		GP-General Power Total	144	16,414,330	1,695,844.34	15,869.72	27,576.11	-	-	-	12,831.38	-	-	10,137.06	-	1,762,258.61
MO		LP-Large Power Total	27	52,939,193	4,736,465.45	880.00	87,349.66	-	-	-	56,566.13	-	-	8,013.29	-	4,889,274.53
MO		NM-Net Metering Total	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MO		Oil Pipe GP-General Power Total	6	1,404,316	163,647.14	-	2,359.25	-	-	-	50.00	-	-	485.76	-	166,542.15
MO		Oil Pipe LP-Large Power Total	5	4,143,637	406,005.52	-	6,837.00	-	-	-	-	-	-	2,105.58	-	414,948.10
MO		PFM-Feed Mill/Grain Elev Total	10	35,543	6,689.65	173.72	59.72	-	-	-	-	-	-	25.22	-	6,948.31
MO		PL-Private Lighting Total	-	28,953	7,535.06	150.50	48.64	-	-	-	-	-	-	-	-	7,734.20
MO		SC-P PRAXAIR Transmission T	1	6,054,456	429,978.12	-	9,989.85	-	-	-	72.00	-	-	-	-	440,039.97
MO		SH-Small Heating Total	9	23,971	3,289.71	61.42	40.27	-	-	-	-	-	-	17.01	-	3,408.41
MO		TEB-Total Electric Bldg Total	11	846,320	92,230.58	1,035.08	1,421.82	-	-	-	675.59	-	-	600.89	-	95,963.96
MO	Industrial	Total	280	82,049,241	7,564,089.18	19,026.47	135,948.64	-	-	-	70,564.80	-	-	21,490.67	-	7,811,119.76
MO		CB-Commercial Total	321	204,603	34,062.52	-	347.13	-	-	-	-	-	-	145.26	-	34,554.91
MO		GP-General Power Total	2	103,360	10,989.53	-	173.65	-	-	-	-	-	-	73.38	-	11,236.56
MO		LS-Special Lighting Total	76	50,717	8,444.42	-	85.17	-	-	-	-	-	-	0.42	-	8,530.01
MO		MS-Miscellaneous Total	2	11,295	1,187.72	-	18.98	-	-	-	-	-	-	-	-	1,206.70
MO		PL-Private Lighting Total	-	7,966	2,182.57	-	13.39	-	-	-	-	-	-	-	-	2,195.96
MO		SH-Small Heating Total	2	3,947	553.44	-	6.64	-	-	-	-	-	-	2.80	-	562.88
MO		SPL-Municipal St Lighting Total	7	1,337,131	193,221.97	-	2,246.47	-	-	-	83,583.71	-	-	-	-	279,052.15
MO	Muni Street & Highway	Lighting Total	410	1,719,019	250,642.17	-	2,891.43	-	-	-	83,583.71	-	-	221.86	-	337,339.17
MO		CB-Commercial Total	1,092	1,496,842	222,028.56	-	2,192.66	-	-	-	-	-	-	920.82	-	225,142.04
MO		GP-General Power Total	164	6,368,840	683,847.59	-	10,699.65	-	-	-	1,186.02	-	-	4,521.95	-	700,255.21
MO		NM-Net Metering Total	-	(1,160)	(33.52)	-	-	-	-	-	-	-	-	-	-	(33.52)
MO		PL-Private Lighting Total	-	1,053	367.79	-	1.77	-	-	-	-	-	-	-	-	369.56
MO		SH-Small Heating Total	45	111,337	15,329.54	-	187.04	-	-	-	-	-	-	79.07	-	15,595.65
MO		TEB-Total Electric Bldg Total	19	710,804	87,692.77	-	1,194.15	-	-	-	-	-	-	504.69	-	89,391.61
MO	Other Public Authority	Total	1,320	8,687,716	1,009,232.73	-	14,275.27	-	-	-	1,186.02	-	-	6,026.53	-	1,030,720.55
MO		CB-Commercial Total	33	111,099	15,425.25	-	186.63	-	-	-	-	-	-	78.92	-	15,690.80
MO		GP-General Power Total	4	103,656	9,423.79	-	174.14	-	-	-	-	-	-	73.60	-	9,671.53
MO		PL-Private Lighting Total	-	253	68.59	-	0.43	-	-	-	-	-	-	-	-	69.02
MO	Interdepartmental	Total	37	215,008	24,917.63	-	361.20	-	-	-	-	-	-	152.52	-	25,431.35
MO	Total Retail		153,061	398,463,132	48,553,942.53	998,513.81	667,160.73	-	(0.00)	-	204,003.29	-	-	182,794.28	-	50,606,414.64
MO		GFR-Lockwood Total	1	1,013,876	42,875.20	-	23,947.75	-	-	-	-	-	-	-	-	66,822.95
MO		GFR-Monett Total	1	22,127,663	765,202.18	-	522,655.40	-	-	-	-	-	-	-	-	1,287,857.58
MO		GFR-Mt Vernon Total	1	6,777,676	279,395.46	-	160,088.70	-	-	-	-	-	-	-	-	439,484.16
MO	Wholesale Municipalities	Total	3	29,919,215	1,087,472.84	-	706,691.85	-	-	-	-	-	-	-	-	1,794,164.69
MO	Total		153,064	428,382,347	49,641,415.37	998,513.81	1,373,852.58	-	(0.00)	-	204,003.29	-	-	182,794.28	-	52,400,579.33

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Empire did not incur any extraordinary costs not to be passed through due to such costs being an insured loss, or subject to reduction due to litigation or for any other reason.

As shown on the revised tariff sheet submitted in this case, the base fuel factor for the accumulation period is \$24.15

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Missouri Fuel Adjustment
Interest Calculation

Accumulation Period Ending Aug 2017	March 2017	April 2017	May 2017	June 2017	July 2017	Aug 2017
Fuel Cost Recovery (Over)/Under	\$ 344,270.40	\$ 2,031,253.97	\$ 260,784.65	\$ 316,209.01	582,279.42	\$ 1,320,122.57
Cumulative Total - Current Period	\$ 344,270.40	2,375,524.37	2,636,309.02	2,952,518.03	3,534,797.45	4,854,920.02
Period Ending Feb 17 Balance	\$ 3,521,108.28	3,521,108.28	3,521,108.28	3,948,140.71	3,339,755.99	2,672,595.26
Period Ending May 17 Balance	\$ (3,646,695.29)	(2,319,890.29)	(1,045,681.91)	(1,045,681.91)	(1,045,681.91)	(1,045,681.91)
Total (Over)/Under Recovery Bal	\$ 218,683.39	\$ 3,576,742.36	\$ 5,111,735.39	\$ 5,854,976.83	\$ 5,828,871.53	\$ 6,481,833.37
EDE Short-term interest rate	1.08%	1.21%	1.21%	1.34%	1.46%	1.44%
Monthly Interest	\$ (578.40)	\$ 3,606.55	\$ 4,380.44	\$ 6,123.08	\$ 7,107.67	\$ 7,386.42
Journal Entry						
A/C 254162 Deferred MO Fuel Cost Current-Liab	\$ (578.40)					\$ (578.40)
A/C 431203 Interest Expense Mo FAC	\$ 578.40					\$ (578.40)
A/C 182362 Deferred MO Fuel Cost Current		\$ 3,606.55	\$ 4,380.44	\$ 6,123.08	\$ 7,107.67	\$ 7,386.42
A/C 419025 Interest Income MO FAC		\$ (3,606.55)	\$ (4,380.44)	\$ (6,123.08)	\$ (7,107.67)	\$ (7,386.42)
Prior Period Ending Balance	(\$1,504,016.65)					