

The Empire District Electric Company  
Missouri Jurisdiction  
Case No. ER-2024-0261  
Direct Schedule TSL-5  
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Empire District Electric (MISSOURI) Summary of Rates	Residential General NS-RG	Residential General TC RG	Residential General TP RG	General Service NS GS	General Service TC GS	General Service TP GS	Large General LG	Large General TC LG	Small Primary SP	Small Primary TC SP	Large Power LP	Transmission TS	Miscellaneous MS	Municipal tree Lighting SPL	Private Lighting PL	Special Lighting LS
<b>Proposed Rates</b>																
Customer Charge	\$ 16.00	\$ 16.00	\$ 16.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 325.00	\$ 275.00	\$ 21.00	Various	\$ -	
<b>kWh Charge - Winter</b>																
1st Block kWh Charge	\$ 0.17813	\$ 0.18275	\$ 0.35038	\$ 0.17477	\$ 0.17926	\$ 0.36091	\$ 0.09101	\$ 0.09212	\$ 0.08693	\$ 0.08828	\$ 0.05995	\$ 0.04583	\$ 0.12088		\$ 0.27491	
2nd Block kWh Charge	\$ 0.11531	\$ 0.12273	\$ 0.07414	\$ 0.13567	\$ 0.14182	\$ 0.09375	\$ 0.07414	\$ 0.07608	\$ 0.07081	\$ 0.07291	\$ 0.04745	\$ -			\$ 0.21318	
3rd Block kWh Charge							\$ 0.07348	\$ 0.07548	\$ 0.07019	\$ 0.07233		\$ 0.03748				
<b>kWh Charge - Summer</b>																
1st Block kWh Charge	\$ 0.17813	\$ 0.18275	\$ 0.28793	\$ 0.17477	\$ 0.17926	\$ 0.36091	\$ 0.10601	\$ 0.10637	\$ 0.10126	\$ 0.10193	\$ 0.06790	\$ 0.06591	\$ 0.12088		\$ 0.27491	
2nd Block kWh Charge	\$ 0.14318	\$ 0.14780	\$ 0.08569	\$ 0.15157	\$ 0.15606	\$ 0.09375	\$ 0.08227	\$ 0.08382	\$ 0.07858	\$ 0.08033	\$ 0.05540	\$ 0.05263			\$ 0.21318	
3rd Block kWh Charge							\$ 0.07388	\$ 0.07586	\$ 0.07057	\$ 0.07269		\$ 0.03991				
Off-Peak kWh Credit		\$ (0.02000)			\$ (0.02000)			\$ (0.00500)		\$ (0.00490)						
Facility Demand kW - Winter							\$ 2.53	\$ 2.52	\$ 2.40	\$ 2.40	\$ 1.88	\$ 0.62				
Billed Demand kW - Winter							\$ 8.25	\$ 8.23	\$ 7.88	\$ 7.88	\$ 13.53	\$ 21.67				
Facility Demand kW - Summer							\$ 2.53	\$ 2.52	\$ 2.40	\$ 2.40	\$ 1.88	\$ 0.62				
Billed Demand kW - Summer							\$ 10.59	\$ 10.56	\$ 10.11	\$ 10.11	\$ 24.51	\$ 31.88				
<b>Current Rates</b>																
Customer Charge	\$ 13.00	\$ 13.00	\$ 13.00	\$ 23.97	\$ 23.97	\$ 23.97	\$ 69.49	\$ 69.49	\$ 69.49	\$ 69.49	\$ 283.55	\$ 275.00	\$ 20.98	Various	\$ -	
<b>kWh Charge - Winter</b>																
1st Block kWh Charge	\$ 0.13582	\$ 0.14031	\$ 0.28793	\$ 0.13429	\$ 0.13892	\$ 0.32196	\$ 0.07676	\$ 0.07793	\$ 0.07527	\$ 0.07641	\$ 0.05995	\$ 0.03890	\$ 0.10692		\$ 0.18113	
2nd Block kWh Charge	\$ 0.10938	\$ 0.11651	\$ 0.08569	\$ 0.12020	\$ 0.12624	\$ 0.08363	\$ 0.06253	\$ 0.06436	\$ 0.06131	\$ 0.06311	\$ 0.03394	\$ -			\$ 0.14046	
3rd Block kWh Charge							\$ 0.06198	\$ 0.06385	\$ 0.06077	\$ 0.06261		\$ 0.03181				
<b>kWh Charge - Summer</b>																
1st Block kWh Charge	\$ 0.13582	\$ 0.14031	\$ 0.35038	\$ 0.13429	\$ 0.13892	\$ 0.32196	\$ 0.08941	\$ 0.08998	\$ 0.08767	\$ 0.08823	\$ 0.06790	\$ 0.05594	\$ 0.10692		\$ 0.18113	
2nd Block kWh Charge	\$ 0.13582	\$ 0.14031	\$ 0.10428	\$ 0.13429	\$ 0.13892	\$ 0.08363	\$ 0.06939	\$ 0.07091	\$ 0.06804	\$ 0.06953	\$ 0.03528	\$ 0.04467			\$ 0.14046	
3rd Block kWh Charge							\$ 0.06231	\$ 0.06417	\$ 0.06110	\$ 0.06292		\$ 0.03387				
Off-Peak kWh Credit		\$ (0.02000)			\$ (0.02000)			\$ (0.00500)		\$ (0.00490)						
Facility Demand kW - Winter							\$ 2.13	\$ 2.13	\$ 2.08	\$ 2.08	\$ 1.88	\$ 0.53				
Billed Demand kW - Winter							\$ 6.96	\$ 6.96	\$ 6.82	\$ 6.82	\$ 10.27	\$ 18.39				
Facility Demand kW - Summer							\$ 2.13	\$ 2.13	\$ 2.08	\$ 2.08	\$ 1.88	\$ 0.53				
Billed Demand kW - Summer							\$ 8.93	\$ 8.93	\$ 8.75	\$ 8.75	\$ 18.61	\$ 27.06				

**Empire District Electric (MISSOURI)**  
**Non-Standard Residential General Rate Design**

**Base Revenues**

Target Base Rates	291,229,738
Current Base Rates	243,900,440
\$ Difference	47,329,299
% Difference	19.4%

**Customer-related Costs** \$ 56,683,650

	Winter	Summer	
Annual Usage - First Block	556,142,633	291,237,334	600
Annual Usage - Second Block	574,055,563	329,407,256	
Annual Usage - Third Block	-	-	
Number of Bills	1,691,928		
Average Annual Use (kWh)	12,418		

**Non-Standard Residential General Rate Design**

	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ 16.00	1,691,928	\$ 27,070,848
1st Block kWh - Winter	\$ 0.17813	556,142,633	99,066,072
2nd Block kWh - Winter	\$ 0.11531	574,055,563	66,194,785
1st Block kWh - Summer	\$ 0.17813	291,237,334	51,878,308
2nd Block kWh - Summer	\$ 0.14318	329,407,256	47,165,975
RGL Rider			(146,250)

**Revenue at Proposed Rates** \$ 291,229,738

**Customer Costs Recovered in 1st Block** \$ 0.03495 847,379,966 \$ 29,612,802

**Empire District Electric (MISSOURI)**  
**Non-Standard Residential General Rate Design**

<b>Current Rates</b>				
Customer Charge	\$	13.00	1,691,928	\$ 21,995,064
1st Block kWh - Winter	\$	0.13582	556,142,633	75,535,292
2nd Block kWh - Winter	\$	0.10938	574,055,563	62,790,198
1st Block kWh - Summer	\$	0.13582	291,237,334	39,555,855
2nd Block kWh - Summer	\$	0.13582	329,407,256	44,740,094
RGL Rider				(146,250)
Interruptible Credit Allocation				187,578
<b>Revenue at Current Rates</b>				<b>\$ 244,657,831</b>
				757,391
				0.311%

<b>Rider Charges</b>		
Current	\$	0.01966
Proposed	\$	0.01938

**Bill Impact Analysis**

**Bill Impact Analysis - NS-RG Rate**

Annual Use	Cumulative Bills	Base Rate Comparison				Annual Bill Comparison				
		Cumulative Use	Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
1,000	3.1%	0.1%	\$ 370	292	\$ 78	26.8%	\$ 389	\$ 311	\$ 78	25.0%
4,000	7.7%	0.9%	905	699	205	29.4%	982	778	204	26.2%
10,000	33.8%	14.3%	1,827	1,469	358	24.4%	2,021	1,666	356	21.3%
11,000	39.4%	18.3%	1,953	1,588	365	23.0%	2,167	1,804	362	20.1%
<b>12,418</b>	<b>47.0%</b>	<b>24.5%</b>	<b>2,131</b>	<b>1,756</b>	<b>374</b>	<b>21.3%</b>	<b>2,371</b>	<b>2,000</b>	<b>371</b>	<b>18.5%</b>
14,000	55.0%	31.8%	2,329	1,944	385	19.8%	2,600	2,219	381	17.2%
18,000	72.0%	50.6%	2,829	2,419	410	17.0%	3,178	2,773	405	14.6%
23,000	85.7%	69.8%	3,455	3,012	442	14.7%	3,900	3,464	436	12.6%
29,000	94.1%	84.6%	4,205	3,724	481	12.9%	4,767	4,294	473	11.0%
36,000	97.8%	92.9%	5,081	4,555	526	11.6%	5,778	5,262	516	9.8%

**Average Winter Month Bill**

1,007	170	139	31	22.2%	189	159	31	19.2%
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**Average Summer Month Bill**

1,090	193	161	32	19.9%	214	182	32	17.4%
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**Empire District Electric (MISSOURI)**  
Time Choice Residential General Rate Design

**Base Revenues**

Target Base Rates	291,229,738
Current Base Rates	243,900,440
\$ Difference	47,329,299
% Difference	19.4%

**Customer-related Costs** \$ 56,683,650

	Winter	Summer	All
Annual Usage - First Block	556,142,633	291,237,334	
Annual Usage - Second Block	574,055,563	329,407,256	
Annual Usage - Third Block	-	-	
Off Peak kWh			484,884,572
Number of Bills	1,691,928		
Average Annual Use (kWh)	12,418		

**Time Choice Residential General Rate Design**

	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ 16.00	1,691,928	\$ 27,070,848
1st Block kWh - Winter	\$ 0.18275	556,142,633	101,635,475
2nd Block kWh - Winter	\$ 0.12273	574,055,563	70,455,670
1st Block kWh - Summer	\$ 0.18275	291,237,334	53,223,837
2nd Block kWh - Summer	\$ 0.14780	329,407,256	48,687,850
Off Peak Credit	\$ (0.02000)	484,884,572	(9,697,691)
RGL Rider			(146,250)
<b>Revenue at Proposed Rates</b>			<b>\$ 291,229,738</b>

**Customer Costs Recovered in 1st Block** \$ 0.03495 847,379,966 \$ 29,612,802

**Empire District Electric (MISSOURI)**  
Time Choice Residential General Rate Design

<b>Current Rates</b>				
Customer Charge	\$	13.00	1,691,928	\$ 21,995,064
1st Block kWh - Winter	\$	0.14031	556,142,633	78,032,373
2nd Block kWh - Winter	\$	0.11651	574,055,563	66,883,214
1st Block kWh - Summer	\$	0.14031	291,237,334	40,863,510
2nd Block kWh - Summer	\$	0.14031	329,407,256	46,219,132
Off Peak Credit	\$	(0.02000)	484,884,572	(9,697,691)
RGL Rider				(146,250)
Interruptible Credit Allocation				187,578
<b>Revenue at Current Rates</b>				<b>\$ 244,336,930</b>
				436,490
				0.179%

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

**Bill Impact Analysis - TC-RG Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
6,000	13.8%	3.1%	\$ 1,245	961	\$ 284	29.6%	\$ 1,361	\$ 1,078	\$ 283	26.2%
8,000	22.9%	7.5%	1,548	1,216	332	27.3%	1,703	1,374	330	24.0%
10,000	33.8%	14.3%	1,823	1,463	360	24.6%	2,017	1,660	357	21.5%
11,000	39.4%	18.3%	1,950	1,583	367	23.2%	2,163	1,799	364	20.2%
<b>12,418</b>	<b>47.0%</b>	<b>24.5%</b>	<b>2,128</b>	<b>1,752</b>	<b>377</b>	<b>21.5%</b>	<b>2,369</b>	<b>1,996</b>	<b>373</b>	<b>18.7%</b>
14,000	55.0%	31.8%	2,328	1,941	387	19.9%	2,599	2,216	383	17.3%
18,000	72.0%	50.6%	2,832	2,418	414	17.1%	3,181	2,772	409	14.7%
23,000	85.7%	69.8%	3,462	3,015	447	14.8%	3,908	3,467	441	12.7%
29,000	94.1%	84.6%	4,218	3,731	487	13.1%	4,780	4,301	479	11.1%
36,000	97.8%	92.9%	5,100	4,566	534	11.7%	5,797	5,274	524	9.9%

Average Winter Month Bill										
1,007			170	139	31	22.3%	190	159	31	19.3%

Average Summer Month Bill										
1,090			192	160	32	20.1%	213	181	32	17.6%

**Empire District Electric (MISSOURI)**  
**Time Choice Plus Residential General Rate Design**

**Base Revenues**

Target Base Rates	291,229,738
Current Base Rates	243,900,440
\$ Difference	47,329,299
% Difference	19.4%

	<b>All</b>
On-Peak kWh	331,517,766
Off-Peak kWh	1,419,325,020
Number of Bills	1,691,928
Average Annual Use (kWh)	12,418

Time Choice Plus Residential General Rate Desi	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ 16.00	1,691,928	\$ 27,070,848
On-Peak kWh	\$ 0.35038	331,517,766	116,157,619
Off-Peak kWh	\$ 0.10428	1,419,325,020	148,001,453
RGL Rider			(182)
<b>Revenue at Proposed Rates</b>			<b>\$ 291,229,738</b>

<b>Current Rates</b>			
Customer Charge	\$ 13.00	1,691,928	\$ 21,995,064
On-Peak kWh	\$ 0.28793	331,517,766	95,453,910
Off-Peak kWh	\$ 0.08569	1,419,325,020	121,621,961
RGL Rider			(146,250)
Interruptible Credit Allocation			187,578
<b>Revenue at Current Rates</b>			<b>\$ 239,112,264</b>
			(4,788,176)

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938



**Bill Impact Analysis**

**Bill Impact Analysis - TP-RG Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
8,000	3.9%	0.5%	\$ 1,399	1,148	\$ 251	21.9%	\$ 1,554	\$ 1,305	\$ 249	19.1%
10,000	9.8%	2.7%	1,701	1,396	305	21.8%	1,895	1,592	302	19.0%
10,000	9.8%	2.7%	1,701	1,396	305	21.8%	1,895	1,592	302	19.0%
11,000	11.8%	3.5%	1,852	1,520	332	21.8%	2,065	1,736	329	18.9%
<b>12,418</b>	<b>15.7%</b>	<b>5.4%</b>	<b>2,066</b>	<b>1,696</b>	<b>370</b>	<b>21.8%</b>	<b>2,306</b>	<b>1,940</b>	<b>366</b>	<b>18.9%</b>
14,000	15.7%	5.4%	2,304	1,892	412	21.8%	2,576	2,167	409	18.9%
18,000	35.3%	18.3%	2,908	2,388	520	21.8%	3,257	2,742	515	18.8%
23,000	56.9%	36.6%	3,662	3,008	655	21.8%	4,108	3,460	648	18.7%
29,000	78.4%	59.5%	4,567	3,752	816	21.7%	5,129	4,322	808	18.7%
36,000	90.2%	75.4%	5,624	4,619	1,004	21.7%	6,321	5,327	994	18.7%

**Empire District Electric (MISSOURI)**  
**Non-Standard General Service Rate Design**

**Base Revenues**

Target Base Rates	69,837,295
Current Base Rates	60,098,960
\$ Difference	9,738,335
% Difference	16.2%

**Customer-related Costs** \$ 9,191,886

	Winter	Summer
Annual Usage - First Block	79,902,202	40,245,571
Annual Usage - Second Block	184,492,906	114,824,772
Annual Usage - Third Block	-	-
Number of Bills	266,856	
Average Annual Use (kWh)	18,863	

Non-Standard General Service Rate Design	Rate	Units	Revenues
<b>Proposed Rates</b>			
Customer Charge	\$ 24.00	266,856	\$ 6,404,544
1st Block kWh - Winter	\$ 0.17477	79,902,202	13,964,657
2nd Block kWh - Winter	\$ 0.13567	184,492,906	25,030,014
1st Block kWh - Summer	\$ 0.17477	40,245,571	7,033,793
2nd Block kWh - Summer	\$ 0.15157	114,824,772	17,404,287
Revenue at Proposed Rates			\$ 69,837,295
Customer Costs Recovered in 1st Block	\$ 0.02320	120,147,773	\$ 2,787,342

**Empire District Electric (MISSOURI)**  
**Non-Standard General Service Rate Design**

<b>Current Rates</b>				
Customer Charge	\$	23.97	266,856	\$ 6,396,538
1st Block kWh - Winter	\$	0.13429	79,902,202	10,730,067
2nd Block kWh - Winter	\$	0.12020	184,492,906	22,176,047
1st Block kWh - Summer	\$	0.13429	40,245,571	5,404,578
2nd Block kWh - Summer	\$	0.13429	114,824,772	15,419,819
Interruptible Credit Allocation				36,179
<b>Revenue at Current Rates</b>				<b>\$ 60,163,228</b>
				64,268
			419,465,451	0.107%

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

Bill Impact Analysis - NS-GS Rate			Base Rate Comparison				Annual Bill Comparison			
Annual Use	Cumulative Bills	Cumulative Use	Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
2,000	21.5%	0.7%	\$ 638	556	\$ 81	14.6%	\$ 676	\$ 595	\$ 81	13.7%
5,000	34.7%	2.7%	1,162	959	203	21.1%	1,259	1,056	203	19.2%
7,000	41.7%	4.7%	1,512	1,228	284	23.1%	1,647	1,363	284	20.8%
11,000	52.7%	9.2%	2,126	1,743	383	21.9%	2,339	1,956	383	19.6%
<b>18,863</b>	<b>66.9%</b>	<b>18.8%</b>	<b>3,236</b>	<b>2,727</b>	<b>509</b>	<b>18.7%</b>	<b>3,602</b>	<b>3,093</b>	<b>509</b>	<b>16.5%</b>
21,000	69.6%	21.2%	3,538	2,995	544	18.2%	3,945	3,402	544	16.0%
26,000	74.8%	26.8%	4,244	3,620	624	17.2%	4,748	4,124	624	15.1%
33,000	79.9%	33.8%	5,233	4,496	737	16.4%	5,873	5,136	737	14.3%
41,000	84.3%	41.2%	6,363	5,497	866	15.7%	7,158	6,292	866	13.8%
60,000	90.6%	55.7%	9,047	7,875	1,172	14.9%	10,209	9,038	1,172	13.0%

**Empire District Electric (MISSOURI)**  
**Time Choice General Service Rate Design**

**Base Revenues**

Target Base Rates	69,837,295
Current Base Rates	60,098,960
\$ Difference	9,738,335
% Difference	16.2%

**Customer-related Costs** \$ 9,191,886

	Winter	Summer	All
Annual Usage - First Block	79,902,202	40,245,571	
Annual Usage - Second Block	184,492,906	114,824,772	
Off Peak kWh			109,464,203
Number of Bills	266,856		
Average Annual Use (kWh)	18,863		

**Time Choice General Service Rate Design**

	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ 24.00	266,856	\$ 6,404,544
1st Block kWh - Winter	\$ 0.17926	79,902,202	14,323,393
2nd Block kWh - Winter	\$ 0.14182	184,492,906	26,164,342
1st Block kWh - Summer	\$ 0.17926	40,245,571	7,214,484
2nd Block kWh - Summer	\$ 0.15606	114,824,772	17,919,815
Off Peak Credit	\$ (0.02000)	109,464,203	(2,189,284)

**Revenue at Proposed Rates** \$ 69,837,295

**Customer Costs Recovered in 1st Block** \$ 0.02320 120,147,773 \$ 2,787,342

**Empire District Electric (MISSOURI)**  
Time Choice General Service Rate Design

<b>Current Rates</b>				
Customer Charge	\$	23.97	266,856	\$ 6,396,538
1st Block kWh - Winter	\$	0.13892	79,902,202	11,100,014
2nd Block kWh - Winter	\$	0.12624	184,492,906	23,290,384
1st Block kWh - Summer	\$	0.13892	40,245,571	5,590,915
2nd Block kWh - Summer	\$	0.13892	114,824,772	15,951,457
Off Peak Credit	\$	(0.02000)	109,464,203	(2,189,284)
Interruptible Credit Allocation				36,179
<b>Revenue at Current Rates</b>				<b>\$ 60,176,204</b>
				77,244
				0.129%

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

**Bill Impact Analysis - TC-GS Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
2,000	21.5%	0.7%	\$ 636	555	\$ 81	14.6%	\$ 675	\$ 594	\$ 81	13.6%
5,000	34.7%	2.7%	1,158	956	202	21.1%	1,255	1,053	202	19.2%
7,000	41.7%	4.7%	1,506	1,224	283	23.1%	1,642	1,359	283	20.8%
11,000	52.7%	9.2%	2,120	1,739	381	21.9%	2,333	1,952	381	19.5%
<b>18,863</b>	<b>66.9%</b>	<b>18.8%</b>	<b>3,233</b>	<b>2,725</b>	<b>508</b>	<b>18.6%</b>	<b>3,599</b>	<b>3,091</b>	<b>508</b>	<b>16.4%</b>
21,000	69.6%	21.2%	3,536	2,993	543	18.1%	3,943	3,400	543	16.0%
26,000	74.8%	26.8%	4,244	3,621	623	17.2%	4,748	4,125	623	15.1%
33,000	79.9%	33.8%	5,235	4,499	736	16.4%	5,875	5,139	736	14.3%
41,000	84.3%	41.2%	6,368	5,503	865	15.7%	7,163	6,297	865	13.7%
60,000	90.6%	55.7%	9,058	7,887	1,172	14.9%	10,221	9,049	1,172	12.9%

**Empire District Electric (MISSOURI)**  
Time Choice Plus General Service Rate Design

**Base Revenues**

Target Base Rates	69,837,295
Current Base Rates	60,098,960
\$ Difference	9,738,335
% Difference	16.2%

	<b>All</b>
On-Peak kWh	90,241,872
Off-Peak kWh	329,223,579
Number of Bills	266,856
Average Annual Use (kWh)	18,863

Time Choice Plus General Service Rate Design	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ 24.00	266,856	\$ 6,404,544
On-Peak kWh	\$ 0.36091	90,241,872	32,569,046
Off-Peak kWh	\$ 0.09375	329,223,579	30,863,705

Revenue at Proposed Rates			\$ 69,837,295
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<b>Current Rates</b>			
Customer Charge	\$ 23.97	266,856	\$ 6,396,538
On-Peak kWh	\$ 0.32196	90,241,872	29,054,273
Off-Peak kWh	\$ 0.08363	329,223,579	27,532,968

Interruptible Credit Allocation			36,179
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Revenue at Current Rates			\$ 63,019,959
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			2,920,999
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<b>Rider Charges</b>			
Current	\$ 0.01966		
Proposed	\$ 0.01938		

4.860%



**Bill Impact Analysis**

**Bill Impact Analysis - TP-GS Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
8,600			\$ 1,589	1,448	\$ 141	9.7%	\$ 1,755	\$ 1,614	\$ 141	8.7%
11,500			2,027	1,839	188	10.2%	2,250	2,062	188	9.1%
15,300			2,602	2,352	250	10.6%	2,898	2,648	250	9.4%
17,000			2,859	2,581	278	10.8%	3,188	2,910	278	9.5%
<b>18,863</b>			<b>3,140</b>	<b>2,832</b>	<b>308</b>	<b>10.9%</b>	<b>3,506</b>	<b>3,198</b>	<b>308</b>	<b>9.6%</b>
20,700			3,418	3,080	338	11.0%	3,819	3,481	338	9.7%
25,900			4,205	3,782	423	11.2%	4,707	4,284	423	9.9%
32,400			5,188	4,659	529	11.4%	5,816	5,286	529	10.0%
40,500			6,413	5,751	661	11.5%	7,197	6,536	661	10.1%
50,600			7,940	7,114	826	11.6%	8,921	8,094	826	10.2%

**Empire District Electric (MISSOURI)**  
**Non-Standard Large General Rate Design**

**Base Revenues**

Target Base Rates	134,367,360
Current Base Rates	113,688,084
\$ Difference	20,679,277
% Difference	18.2%

	Winter	Summer
First 150 Hours kWh	313,976,778	164,631,860
Next 200 Hours kWh	264,278,490	161,848,460
All Additional kWh	82,337,964	62,879,955
Facility Demand kW	2,966,293	1,496,418
Billed Demand kW	2,281,870	1,166,626
Number of Bills	32,664	
Average Annual Use	385,729	

**Non-Standard Large General Rate Design**

	Rate	Units	Revenues
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**Proposed Rates**

Customer Charge	\$ 70.00	32,664	\$ 2,286,480
First 150 Hours - Winter	\$0.09101	313,976,778	28,574,220
Next 200 Hours - Winter	\$0.07414	264,278,490	19,592,603
All Additional - Winter	\$0.07348	82,337,964	6,050,532
First 150 Hours - Summer	\$0.10601	164,631,860	17,451,866
Next 200 Hours - Summer	\$0.08227	161,848,460	13,315,189
All Additional - Summer	\$0.07388	62,879,955	4,645,280
Facility Demand kW - Winter	\$2.53	2,966,293	7,490,925
Billed Demand kW - Winter	\$8.25	2,281,870	18,829,637
Facility Demand kW - Summer	\$2.53	1,496,418	3,778,978
Billed Demand kW - Summer	\$10.59	1,166,626	12,351,651

**Alternative: Time-Variant Demand Charges**

Winter	\$ 169.04	111,394	18,829,637
Summer	\$ 259.18	47,657	12,351,651

Revenue at Proposed Rates			\$ 134,367,360
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**Empire District Electric (MISSOURI)**  
**Non-Standard Large General Rate Design**

<b>Current Rates</b>			
Customer Charge	\$	69.49	32,664 \$ 2,269,821
First 150 Hours - Winter		\$0.07676	313,976,778 24,100,858
Next 200 Hours - Winter		\$0.06253	264,278,490 16,525,334
All Additional - Winter		\$0.06198	82,337,964 5,103,307
First 150 Hours - Summer		\$0.08941	164,631,860 14,719,735
Next 200 Hours - Summer		\$0.06939	161,848,460 11,230,665
All Additional - Summer		\$0.06231	62,879,955 3,918,050
Facility Demand kW - Winter		2.13	2,966,293 6,318,203
Billed Demand kW - Winter		6.96	2,281,870 15,881,812
Facility Demand kW - Summer		2.13	1,496,418 3,187,370
Billed Demand kW - Summer		8.93	1,166,626 10,417,971
Interruptible Credit Allocation			88,886
Revenue at Current Rates			\$ 113,762,012

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

**Bill Impact Analysis - NS-LG Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
25,000	1.2%	0.0%	\$ 3,985	3,486	\$ 498	14.3%	\$ 4,469	3,971	\$ 498	12.6%
100,000	14.3%	2.3%	13,420	11,444	1,976	17.3%	15,358	13,382	1,976	14.8%
150,000	30.8%	7.3%	19,710	16,749	2,960	17.7%	22,617	19,656	2,960	15.1%
250,000	53.6%	18.0%	32,289	27,360	4,930	18.0%	37,134	32,205	4,930	15.3%
350,000	66.1%	26.9%	44,869	37,970	6,899	18.2%	51,652	44,753	6,899	15.4%
<b>385,729</b>	<b>69.3%</b>	<b>29.7%</b>	<b>49,363</b>	<b>41,761</b>	<b>7,603</b>	<b>18.2%</b>	<b>56,839</b>	<b>49,236</b>	<b>7,603</b>	<b>15.4%</b>
480,000	76.4%	37.1%	61,223	51,763	9,459	18.3%	70,525	61,066	9,459	15.5%
600,000	82.1%	44.4%	76,318	64,496	11,822	18.3%	87,946	76,124	11,822	15.5%
750,000	87.7%	53.4%	95,188	80,411	14,776	18.4%	109,723	94,946	14,776	15.6%
940,000	91.6%	61.1%	119,089	100,571	18,518	18.4%	137,306	118,788	18,518	15.6%

**Empire District Electric (MISSOURI)**  
**Time Choice Large General Rate Design**

**Base Revenues**

Target Base Rates	134,367,360
Current Base Rates	113,688,084
\$ Difference	20,679,277
% Difference	18.2%

	Winter	Summer	All
First 150 Hours kWh	313,976,778	164,631,860	
Next 200 Hours kWh	264,278,490	161,848,460	
All Additional kWh	82,337,964	62,879,955	
Off-Peak kWh			267,570,699
Facility Demand kW	2,966,293	1,496,418	
Billed Demand kW	2,281,870	1,166,626	
Number of Bills	32,664		
Average Annual Use	385,729		

**Time Choice Large General Rate Design**

	Rate	Units	Revenues
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**Proposed Rates**

Customer Charge	\$ 70.00	32,664	\$ 2,286,480
First 150 Hours - Winter	\$0.09212	313,976,778	28,924,075
Next 200 Hours - Winter	\$0.07608	264,278,490	20,106,438
All Additional - Winter	\$0.07548	82,337,964	6,214,673
First 150 Hours - Summer	\$0.10637	164,631,860	17,511,250
Next 200 Hours - Summer	\$0.08382	161,848,460	13,566,672
All Additional - Summer	\$0.07586	62,879,955	4,769,815
Facility Demand kW - Winter	\$2.52	2,966,293	7,468,801
Billed Demand kW - Winter	\$8.23	2,281,870	18,774,022
Facility Demand kW - Summer	\$2.52	1,496,418	3,767,817
Billed Demand kW - Summer	\$10.56	1,166,626	12,315,170
Off Peak Credit	(0.005)	267,570,699	(1,337,853)

**Alternative: Time-Variant Demand Charges**

Winter	\$ 168.54	111,394	18,774,022
Summer	\$ 258.41	47,657	12,315,170

Revenue at Proposed Rates			\$ 134,367,360
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**Empire District Electric (MISSOURI)**  
**Time Choice Large General Rate Design**

<b>Current Rates</b>			
Customer Charge	\$ 69.49	32,664	\$ 2,269,821
First 150 Hours - Winter	\$0.07793	313,976,778	24,468,210
Next 200 Hours - Winter	\$0.06436	264,278,490	17,008,964
All Additional - Winter	\$0.06385	82,337,964	5,257,279
First 150 Hours - Summer	\$0.08998	164,631,860	14,813,575
Next 200 Hours - Summer	\$0.07091	161,848,460	11,476,674
All Additional - Summer	\$0.06417	62,879,955	4,035,007
Facility Demand kW - Winter	2.13	2,966,293	6,318,203
Billed Demand kW - Winter	6.96	2,281,870	15,881,812
Facility Demand kW - Summer	2.13	1,496,418	3,187,370
Billed Demand kW - Summer	8.93	1,166,626	10,417,971
Interruptible Credit Allocation			88,886
Off Peak Credit	(0.005)	267,570,699	(1,337,853)
Revenue at Current Rates			\$ 113,885,919

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

**Bill Impact Analysis - TC-LG Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
50,000	3.3%	0.2%	\$ 7,130	6,145	\$ 985	16.0%	\$ 8,099	7,114	\$ 985	13.8%
75,000	7.7%	0.9%	10,275	8,800	1,474	16.8%	11,728	10,254	1,474	14.4%
125,000	22.4%	4.5%	16,565	14,112	2,453	17.4%	18,987	16,534	2,453	14.8%
200,000	43.5%	12.6%	25,999	22,078	3,921	17.8%	29,875	25,954	3,921	15.1%
300,000	61.5%	23.3%	38,579	32,700	5,879	18.0%	44,393	38,514	5,879	15.3%
<b>385,729</b>	<b>69.3%</b>	<b>29.7%</b>	<b>49,363</b>	<b>41,806</b>	<b>7,557</b>	<b>18.1%</b>	<b>56,839</b>	<b>49,282</b>	<b>7,557</b>	<b>15.3%</b>
480,000	76.4%	37.1%	61,223	51,820	9,402	18.1%	70,525	61,122	9,402	15.4%
600,000	82.1%	44.4%	76,318	64,567	11,752	18.2%	87,946	76,195	11,752	15.4%
750,000	87.7%	53.4%	95,188	80,500	14,688	18.2%	109,723	95,035	14,688	15.5%
940,000	91.6%	61.1%	119,089	100,682	18,407	18.3%	137,306	118,899	18,407	15.5%

**Empire District Electric (MISSOURI)**  
**Non-Standard Small Primary Rate Design**

**Base Revenues**

Target Base Rates	12,454,423
Current Base Rates	10,739,854
\$ Difference	1,714,569
% Difference	16.0%

	Winter	Summer
First 150 Hours kWh	31,395,189	16,256,539
Next 200 Hours kWh	28,129,151	15,074,350
All Additional kWh	9,764,617	6,279,068
Facility Demand kW	287,521	151,422
Billed Demand kW	221,351	115,030
Number of Bills	672	
Average Annual Use	1,908,909	

Non-Standard Small Primary Rate Design	Rate	Units	Revenues
<b>Proposed Rates</b>			
Customer Charge	\$ 70.00	672	\$ 47,040
First 150 Hours - Winter	\$0.08693	31,395,189	2,729,339
Next 200 Hours - Winter	\$0.07081	28,129,151	1,991,867
All Additional - Winter	\$0.07019	9,764,617	685,357
First 150 Hours - Summer	\$0.10126	16,256,539	1,646,082
Next 200 Hours - Summer	\$0.07858	15,074,350	1,184,610
All Additional - Summer	\$0.07057	6,279,068	443,107
Facility Demand kW - Winter	\$2.40	287,521	690,726
Billed Demand kW - Winter	\$7.88	221,351	1,743,566
Facility Demand kW - Summer	\$2.40	151,422	363,769
Billed Demand kW - Summer	\$10.11	115,030	1,162,492
Other Adjustments			(233,533)
<b>Alternative: Time-Variant Demand Charges</b>			
Winter	\$ 12.18	143,125	1,743,566
Summer	\$ 56.31	20,644	1,162,492
Revenue at Proposed Rates			\$ 12,454,423



**Empire District Electric (MISSOURI)**  
**Non-Standard Small Primary Rate Design**

<b>Current Rates</b>			
Customer Charge	\$ 69.49	672	\$ 46,697
First 150 Hours - Winter	\$0.07527	31,395,189	2,363,116
Next 200 Hours - Winter	\$0.06131	28,129,151	1,724,598
All Additional - Winter	\$0.06077	9,764,617	593,396
First 150 Hours - Summer	\$0.08767	16,256,539	1,425,211
Next 200 Hours - Summer	\$0.06804	15,074,350	1,025,659
All Additional - Summer	\$0.06110	6,279,068	383,651
Facility Demand kW - Winter	2.08	287,521	598,044
Billed Demand kW - Winter	6.82	221,351	1,509,614
Facility Demand kW - Summer	2.08	151,422	314,958
Billed Demand kW - Summer	8.75	115,030	1,006,508
Interruptible Credit Allocation			7,256
Other Adjustments			(233,533)
Revenue at Current Rates			\$ 10,765,176

<b>Adjustments</b>	
Minimum Adjustment	(142,647)
Transformer Ownership	(90,886)
Interruptible Credit	-
RGL Rider	-
Total Adjustments	(233,533)

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

Bill Impact Analysis - NS-SP Rate			Base Rate Comparison				Annual Bill Comparison			
Annual Use	Cumulative Bills	Cumulative Use	Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
300,000	13.5%	0.9%	\$ 36,315	31,549	\$ 4,766	15.1%	\$ 42,129	37,363	\$ 4,766	12.8%
600,000	25.0%	3.5%	71,791	62,264	9,526	15.3%	83,419	73,892	9,526	12.9%
900,000	34.6%	7.1%	107,266	92,980	14,286	15.4%	124,708	110,422	14,286	12.9%
1,250,000	48.1%	14.7%	148,654	128,814	19,840	15.4%	172,879	153,039	19,840	13.0%
1,720,000	55.8%	20.3%	204,232	176,935	27,297	15.4%	237,566	210,268	27,297	13.0%
1,908,909	67.3%	31.0%	226,571	196,276	30,295	15.4%	263,565	233,271	30,295	13.0%
2,390,000	76.9%	41.9%	283,460	245,532	37,928	15.4%	329,778	291,850	37,928	13.0%
2,990,000	86.5%	56.0%	354,411	306,963	47,448	15.5%	412,357	364,909	47,448	13.0%
3,740,000	92.3%	66.0%	443,099	383,751	59,349	15.5%	515,580	456,232	59,349	13.0%
4,680,000	94.2%	70.2%	554,255	479,992	74,263	15.5%	644,954	570,690	74,263	13.0%

**Empire District Electric (MISSOURI)**  
**Time Choice Small Primary Rate Design**

**Base Revenues**

Target Base Rates	12,454,423
Current Base Rates	10,739,854
\$ Difference	1,714,569
% Difference	16.0%

	Winter	Summer	All
First 150 Hours kWh	31,395,189	16,256,539	
Next 200 Hours kWh	28,129,151	15,074,350	
All Additional kWh	9,764,617	6,279,068	
Off-Peak kWh			35,465,522
Facility Demand kW	287,521	151,422	
Billed Demand kW	221,351	115,030	
Number of Bills	672		
Average Annual Use	1,908,909		

**Time Choice Small Primary Rate Design**

	Rate	Units	Revenues
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**Proposed Rates**

Customer Charge	\$ 70.00	672	\$ 47,040
First 150 Hours - Winter	\$0.08828	31,395,189	2,771,446
Next 200 Hours - Winter	\$0.07291	28,129,151	2,050,916
All Additional - Winter	\$0.07233	9,764,617	706,305
First 150 Hours - Summer	\$0.10193	16,256,539	1,657,057
Next 200 Hours - Summer	\$0.08033	15,074,350	1,210,888
All Additional - Summer	\$0.07269	6,279,068	456,433
Facility Demand kW - Winter	\$2.40	287,521	690,917
Billed Demand kW - Winter	\$7.88	221,351	1,744,050
Facility Demand kW - Summer	\$2.40	151,422	363,870
Billed Demand kW - Summer	\$10.11	115,030	1,162,815
Other Adjustments			(233,533)
Off Peak Credit	(0.0049)	35,465,522	(173,781)

**Alternative: Time-Variant Demand Charges**

Winter	\$ 12.19	143,125	1,744,050
Summer	\$ 56.33	20,644	1,162,815

Revenue at Proposed Rates			\$ 12,454,423
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**Empire District Electric (MISSOURI)**  
**Time Choice Small Primary Rate Design**

<b>Current Rates</b>			
Customer Charge	\$ 69.49	672	\$ 46,697
First 150 Hours - Winter	\$0.07641	31,395,189	2,398,906
Next 200 Hours - Winter	\$0.06311	28,129,151	1,775,231
All Additional - Winter	\$0.06261	9,764,617	611,363
First 150 Hours - Summer	\$0.08823	16,256,539	1,434,314
Next 200 Hours - Summer	\$0.06953	15,074,350	1,048,120
All Additional - Summer	\$0.06292	6,279,068	395,079
Facility Demand kW - Winter	2.08	287,521	598,044
Billed Demand kW - Winter	6.82	221,351	1,509,614
Facility Demand kW - Summer	2.08	151,422	314,958
Billed Demand kW - Summer	8.75	115,030	1,006,508
Other Adjustments			(233,533)
Interruptible Credit Allocation			7,256
Off Peak Credit	(0.0049)	35,465,522	(173,781)
Revenue at Current Rates			\$ 10,738,777
<b>Adjustments</b>			
Minimum Adjustment			(142,647)
Transformer Ownership			(90,886)
Interruptible Credit			-
RGL Rider			-
Total Adjustments			(233,533)
<b>Rider Charges</b>		106,898,914	
Current	\$ 0.01966		
Proposed	\$ 0.01938		

**Bill Impact Analysis**

**Bill Impact Analysis - TC-SP Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
75,000	1.9%	0.1%	\$ 9,709	8,494	\$ 1,215	14.3%	\$ 11,162	9,948	\$ 1,215	12.2%
100,000	5.8%	0.2%	12,665	11,048	1,618	14.6%	14,603	12,986	1,618	12.5%
250,000	13.5%	0.9%	30,403	26,368	4,035	15.3%	35,248	31,213	4,035	12.9%
350,000	15.4%	1.2%	42,228	36,582	5,646	15.4%	49,011	43,365	5,646	13.0%
1,720,000	55.8%	20.3%	204,232	176,510	27,722	15.7%	237,566	209,843	27,722	13.2%
<b>1,908,909</b>	<b>67.3%</b>	<b>31.0%</b>	<b>226,571</b>	<b>195,805</b>	<b>30,766</b>	<b>15.7%</b>	<b>263,565</b>	<b>232,799</b>	<b>30,766</b>	<b>13.2%</b>
2,390,000	76.9%	41.9%	283,460	244,942	38,518	15.7%	329,778	291,260	38,518	13.2%
1,250,000	48.1%	14.7%	148,654	128,505	20,149	15.7%	172,879	152,730	20,149	13.2%
2,500,000	76.9%	41.9%	296,468	256,177	40,291	15.7%	344,918	304,627	40,291	13.2%
5,000,000	96.2%	74.9%	592,096	511,520	80,576	15.8%	688,996	608,420	80,576	13.2%

**Empire District Electric (MISSOURI)**  
**Large Power Rate Design**

**Base Revenues**

Target Base Rates	79,099,022
Current Base Rates	68,146,962
\$ Difference	10,952,060
% Difference	16.1%

	Winter	Summer
First 350 Hours	357,689,728	196,671,738
All Additional	149,196,645	96,990,220
Facility Demand kW	1,151,959	605,229
Billed Demand kW	1,056,146	574,545
Number of Bills	530	
Average Annual Use	18,125,623	

Large Power Rate Design	Rate	Units	Revenues
<b>Proposed Rates</b>			
Customer Charge	\$ 325.00	530	\$ 172,250
First 350 Hours - Winter	\$0.05995	357,689,728	21,443,499
All Additional - Winter	\$0.04745	149,196,645	7,079,381
First 350 Hours - Summer	\$0.06790	196,671,738	13,354,011
All Additional - Summer	\$0.05540	96,990,220	5,373,258
Facility Demand kW - Winter	\$ 1.88	1,151,959	2,165,683
Billed Demand kW - Winter	\$ 13.53	1,056,146	14,288,209
Facility Demand kW - Summer	\$ 1.88	605,229	1,137,831
Billed Demand kW - Summer	\$ 24.51	574,545	14,084,900
Other Adjustments			-
<b>Alternative: Time-Variant Demand Charges</b>			
Winter	\$ 13.84	1,032,638	14,288,209
Summer	\$ 56.11	251,029	14,084,900
Revenue at Proposed Rates			\$ 79,099,022

**Empire District Electric (MISSOURI)**  
Large Power Rate Design

<b>Current Rates</b>			
Customer Charge	\$	283.55	530 \$ 150,282
First 350 Hours - Winter		\$0.05995	357,689,728 21,443,499
All Additional - Winter		\$0.03394	149,196,645 5,063,734
First 350 Hours - Summer		\$0.06790	196,671,738 13,354,011
All Additional - Summer		\$0.03528	96,990,220 3,421,815
Facility Demand kW - Winter		1.88	1,151,959 2,165,683
Billed Demand kW - Winter		10.27	1,056,146 10,846,619
Facility Demand kW - Summer		1.88	605,229 1,137,831
Billed Demand kW - Summer		18.61	574,545 10,692,281
Interruptible Credit Allocation			42,593
Other Adjustments			-
Revenue at Current Rates			\$ 68,318,347

<b>Adjustments</b>	
Minimum Adjustment	-
Transformer Ownership	-
Interruptible Credit	-
RGL Rider	-
Total Adjustments	-

<b>Rider Charges</b>	
Current	\$ 0.01966
Proposed	\$ 0.01938

**Bill Impact Analysis**

**Bill Impact Analysis - LP Rate**

Annual Use	Cumulative Bills	Cumulative Use	Base Rate Comparison				Annual Bill Comparison			
			Proposed Base Rates	Current Base Rates	Difference (\$)	Difference (%)	Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)
3,600,000	2.4%	0.6%	\$ 358,827	309,757	\$ 49,070	15.8%	\$ 428,595	379,525	\$ 49,070	12.9%
5,000,000	14.3%	3.8%	496,854	428,895	67,959	15.8%	593,754	525,795	67,959	12.9%
10,000,000	42.9%	16.3%	989,809	854,388	135,421	15.9%	1,183,609	1,048,188	135,421	12.9%
15,000,000	54.8%	24.9%	1,482,763	1,279,880	202,883	15.9%	1,773,463	1,570,580	202,883	12.9%
18,125,623	66.7%	36.6%	1,790,921	1,545,866	245,055	15.9%	2,142,196	1,897,141	245,055	12.9%
30,000,000	88.1%	64.6%	2,961,627	2,556,358	405,269	15.9%	3,543,027	3,137,758	405,269	12.9%
75,000,000	97.6%	89.2%	7,398,217	6,385,791	1,012,426	15.9%	8,851,717	7,839,291	1,012,426	12.9%



**Empire District Electric (MISSOURI)**  
**TS Rate Design**

**Base Revenues**

Target Base Rates	5,116,848
Current Base Rates	4,660,221
\$ Difference	456,627
% Difference	9.8%

	Winter	Summer
On-Peak Period kWh	21,317,701	4,422,709
Shoulder Period kWh	-	6,287,780
Off-Peak Period kWh	24,288,450	11,615,686
Facility Demand kW	65,769	32,072
Billed Demand kW	65,648	32,072
Number of Bills	12	
Average Annual Use	67,932,326	

TS Rate Design	Rate	Units	Revenues
<b>Proposed Rates</b>			
Customer Charge	\$ 275.00	12	\$ 3,300
On-Peak Period kWh - Winter	\$0.04583	21,317,701	977,024
Shoulder Period kWh - Winter	\$0.00000	-	-
Off-Peak Period kWh - Winter	\$0.03748	24,288,450	910,288
On-Peak Period kWh - Summer	\$0.06591	4,422,709	291,492
Shoulder Period kWh - Summer	\$0.05263	6,287,780	330,924
Off-Peak Period kWh - Summer	\$0.03991	11,615,686	463,528
Facility Demand kW - Winter	\$0.62	65,769	41,069
Billed Demand kW - Winter	\$21.67	65,648	1,422,384
Facility Demand kW - Summer	\$0.62	32,072	20,027
Billed Demand kW - Summer	\$31.88	32,072	1,022,524
Other Adjustments			(365,712)
Revenue at Proposed Rates			\$ 5,116,848

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<b>Current Rates</b>			
Customer Charge	\$ 275.00	12	\$ 3,300
On-Peak Period kWh - Winter	\$0.03890	21,317,701	829,259
Shoulder Period kWh - Winter	\$0.00000	-	-
Off-Peak Period kWh - Winter	\$0.03181	24,288,450	772,616
On-Peak Period kWh - Summer	\$0.05594	4,422,709	247,406
Shoulder Period kWh - Summer	\$0.04467	6,287,780	280,875
Off-Peak Period kWh - Summer	\$0.03387	11,615,686	393,423
Facility Demand kW - Winter	0.53	65,769	34,858
Billed Demand kW - Winter	18.39	65,648	1,207,261
Facility Demand kW - Summer	0.53	32,072	16,998
Billed Demand kW - Summer	27.06	32,072	867,876
Interruptible Credit Allocation			-
Other Adjustments			<u>(365,712)</u>
Revenue at Current Rates		\$	4,288,160
<b>Adjustments</b>			
Minimum Adjustment			-
Transformer Ownership			-
Interruptible Credit			(365,712)
Total Adjustments			<u>(365,712)</u>
<b>Rider Charges</b>			
Current	\$	0.01966	
Proposed	\$	0.01938	

**Empire District Electric (MISSOURI)**  
**Miscellaneous Service (MS)**

**Base Revenues**

Target Base Rates	16,910
Current Base Rates	14,990
\$ Difference	1,920
% Difference	12.8%

	<b>kWh Usage</b>
All Usage	135,540
Number of Bills	25
Average Annual Use (kWh)	65,059

Miscellaneous Service (MS)	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ 21.00	25	\$ 525
All Usage	\$0.12088	135,540	16,385
Other Adjustments			-
Revenue at Proposed Rates			\$ 16,910
<b>Current Rates</b>			
Customer Charge	\$ 20.98	25	\$ 525
All Usage	\$0.10692	135,540	14,492
Interruptible Credit Allocation			5
Other Adjustments			-
Revenue at Current Rates			\$ 15,022
<b>Adjustments</b>			
Minimum Adjustment			-
Total Other Adjustments			-

**Empire District Electric (MISSOURI)**  
**Street Lighting Rate Design**

**Base Revenues**

Target Base Rates	3,010,435
Current Base Rates	2,304,815
\$ Difference	705,620
% Difference	30.6%

**kWh Usage**

Annual Usage	16,879,087
Number of Bills	84
Average Annual Use (kWh)	200,942

Street Lighting - SPL Rate Design	Current Charges	Proposed Increase	Proposed Charges
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**Facilities Charges**

<b>Incandescent Lamp Sizes</b>			
4,000 Lumen	\$ 67.46	\$ 19.51	86.97
<b>Mercury Vapor Lamp Sizes</b>			
7,000 Lumen Mercury	\$ 91.62	\$ 26.49	118.11
11,000 Lumen Mercury	\$ 109.95	\$ 31.79	141.74
20,000 Lumen Mercury	\$ 157.41	\$ 45.51	202.92
53,000 Lumen Mercury	\$ 265.58	\$ 76.79	342.37
<b>High Pressure Sodium Vapor Lamp Sizes</b>			
6,000 Lumen HP Sodium	\$ 85.85	\$ 24.82	110.67
16,000 Lumen HP Sodium	\$ 107.46	\$ 31.07	138.53
27,500 Lumen HP Sodium	\$ 139.85	\$ 40.44	180.29
50,000 Lumen HP Sodium	\$ 199.31	\$ 57.63	256.94
130,000 Lumen HP Sodium	\$ 321.64	\$ 93.00	414.64
<b>Metal Halide Lamp Sizes</b>			
12,000 Lumen MetalH	\$ 134.35	\$ 38.85	173.20
20,500 Lumen MetalH	\$ 164.64	\$ 47.60	212.24
36,000 Lumen MetalH	\$ 220.24	\$ 63.68	283.92
110,000 Lumen MetalH	\$ 508.78	\$ 147.11	655.89
<b>LED Lamps</b>			
7,500-9,500 LED	\$ 74.03	\$ 21.40	95.43
13,000-16,000 LED	\$ 100.02	\$ 28.92	128.94
19,000-22,000 LED	\$ 148.35	\$ 42.89	191.24

**Empire District Electric (MISSOURI)**  
Private Lighting Rate Design

**Base Revenues**

Target Base Rates	4,684,093
Current Base Rates	<u>4,183,579</u>
\$ Difference	500,514
% Difference	12.0%

**kWh Usage**

Annual Usage	11,436,802
Number of Bills	2,633

Private Lighting - PL Rate Design	Current Charges	Proposed Increase	Proposed Charges
<b>Installation Charge: Standard Street Lighting</b>			
Mercury Vapor Lamp Sizes			
6,800 Lumen Std Mercury	\$ 16.49	\$ 1.74	18.23
20,000 Lumen Std Mercury	27.44	2.89	30.33
54,000 Lumen Std Mercury	52.59	5.54	58.13
Sodium Vapor Lamp Sizes			
6,000 Lumen Std Sodium	15.22	\$ 1.60	16.82
16,000 Lumen Std Sodium	22.14	\$ 2.33	24.47
27,500 Lumen Std Sodium	32.02	\$ 3.37	35.39
50,000 Lumen Std Sodium	37.14	\$ 3.91	41.05
Metal Halide Lamp Sizes			
12,000 Lumen Std MetalH	25.67	\$ 2.70	28.37
20,500 Lumen Std MetalH	34.27	\$ 3.61	37.88
36,000 Lumen Std MetalH	38.44	\$ 4.05	42.49
<b>Installation Charge: Standard Flood Lighting</b>			
Mercury Vapor Lamp Sizes			
20,000 Lumen Mercury FL	38.44	\$ 4.05	42.49
54,000 Lumen Mercury FL	63.47	\$ 6.68	70.15
Sodium Vapor Lamp Sizes			
27,500 Lumen Sodium FL	37.25	\$ 3.92	41.17
50,000 Lumen Sodium FL	51.09	\$ 5.38	56.47
140,000 Lumen Sodium FL	74.65	\$ 7.86	82.51
Metal Halide Lamp Sizes			
12,000 Lumen MetalH FL	26.63	\$ 2.80	29.43
20,500 Lumen MetalH FL	35.27	\$ 3.71	38.98
36,000 Lumen MetalH FL	52.00	\$ 5.48	57.48
110,000 Lumen MetalH FL	75.99	\$ 8.00	83.99
LED Lamps			
4,000-5,000 LED	NA		10.01
7,500-9,500 LED	15.22	\$ 1.60	16.82
13,000-16,000 LED	22.14	\$ 2.33	24.47
16,000-19,000 LED	37.25	\$ 3.92	41.17
28,000-32,000 LED	51.09	\$ 5.38	56.47
Additional Charges			
Regular Wood Pole	2.03	\$ 0.21	2.24
Transformer	2.03	\$ 0.21	2.24
Guy and Anchor	2.03	\$ 0.21	2.24
Conductor	0.02	\$ 0.00	0.02

**Empire District Electric (MISSOURI)**  
**Special Lighting Rate Design**

**Base Revenues**

Target Base Rates	185,393
Current Base Rates	126,990
\$ Difference	58,403
% Difference	46.0%

	<b>kWh Usage</b>	
Annual Usage - First Block	392,264	1000
Annual Usage - Second Block	292,688	
Number of Bills	1,458	
Average Annual Use (kWh)	5,637	

**Special Lighting Rate Design**

	Rate	Units	Revenues
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<b>Proposed Rates</b>			
Customer Charge	\$ -	1,458	\$ -
1st Block kWh	\$0.27491	392,264	107,838
2nd Block kWh	\$0.21318	292,688	62,396
Other Adjustments			15,159
Revenue at Proposed Rates			\$ 185,393
<b>Current Rates</b>			
Customer Charge	\$ -	1,458	\$ -
1st Block kWh	\$0.18113	392,264	71,051
2nd Block kWh	\$0.14046	292,688	41,111
Other Adjustments			15,159
Interruptible Credit Allocation			331
Revenue at Current Rates			\$ 127,652

**COMMUNITY SOLAR PILOT PROGRAM (Schedule CSPP)**

Rate Class	Electric Grid Charges (Proposed)	Electric Grid Charges (Current)	Increase / (Decrease) \$	Increase / (Decrease) %
Residential Service	\$ 0.05204	\$ 0.04377	\$ 0.00827	18.90%
General Service	\$ 0.04613	\$ 0.03908	\$ 0.00705	18.03%
Large General Service	\$ 0.00695	\$ 0.00586	\$ 0.00109	18.53%
Small Primary Service	\$ 0.00666	\$ 0.00575	\$ 0.00091	15.89%
Large Power Service	\$ 0.00498	\$ 0.00456	\$ 0.00042	9.17%



**Residential Smart Charge Pilot Program (Schedule RG-SCPP)**

	Current Rates		Proposed Rates	
	Summer	Winter	Summer	Winter
<b>Monthly Rates</b>				
Customer Access Charge	\$ 13.00	\$ 13.00	\$ 16.00	\$ 16.00
RSCPP Operations Fee	\$ 11.71	\$ 11.71	\$ 11.71	\$ 11.71
Additional RSCPP Financing Fee	\$ 8.20	\$ 8.20	\$ 8.20	\$ 8.20
First 600 kWh	\$ 0.14031	\$ 0.14031	\$ 0.18275	\$ 0.18275
Additional kWh	\$ 0.14031	\$ 0.11651	\$ 0.14780	\$ 0.12273
Off Peak Discount Rider	\$ (0.02000)	\$ (0.02000)	\$ (0.02000)	\$ (0.02000)
<b>Usage Charge Revenue</b>				
Time-Based "Peak" Energy Charge	\$ 0.24554	\$ 0.24554	\$ 0.31981	\$ 0.31981
Time-Based "Shoulder" Energy Charge	\$ 0.17539	\$ 0.17539	\$ 0.22844	\$ 0.22844
Time-Based "Off-Peak" Energy Charge	\$ 0.03508	\$ 0.03508	\$ 0.04569	\$ 0.04569

**Ready Charge Pilot Program (Schedule RCPP)**

	<b>Current Rates</b>	<b>Proposed Rates</b>
<b>Monthly Rates</b>		
<b>Customer Access Charge</b>		
NS-GS, TC-GS	\$ 23.97	\$ 24.00
NS-LG, TC-LG, NS-SP, TC-SP	\$ 69.49	\$ 70.00
<b>RCPP Monthly Participation Fee</b>		
L2 Dual-Port Charger	\$ 40.83	\$ 40.83
DCFC Charger 50 kW	\$ 215.25	\$ 215.25
DCFC Charger 150 kW	\$ 290.64	\$ 290.64

Ready Charge Pilot Program (Schedule RCPP)				
	Current Rates		Proposed Rates	
	Summer	Winter	Summer	Winter
<b>For Customers on Non-Time Varying Rates</b>				
<b>Demand Charges</b>				
NS-GS				
NS-LG	\$ 8.93	\$ 6.96	\$ 10.59	\$ 8.25
NS-SP	\$ 8.75	\$ 6.82	\$ 10.11	\$ 7.88
<b>Facilities Charges</b>				
NS-GS				
NS-LG	\$ 2.13	\$ 2.13	\$ 2.53	\$ 2.53
NS-SP	\$ 2.08	\$ 2.08	\$ 2.40	\$ 2.40
<b>Energy Charges</b>				
NS-GS				
First 700 kWh	\$ 0.13429	\$ 0.13429	\$ 0.17477	\$ 0.17477
Additional kWh	\$ 0.13429	\$ 0.12020	\$ 0.15157	\$ 0.13567
NS-LG				
First 150 Metered Demand	\$ 0.08941	\$ 0.07676	\$ 0.10601	\$ 0.09101
Next 200 Metered Demand	\$ 0.06939	\$ 0.06253	\$ 0.08227	\$ 0.07414
Additional kWh	\$ 0.06231	\$ 0.06198	\$ 0.07388	\$ 0.07348
NS-SP				
First 150 Metered Demand	\$ 0.08767	\$ 0.07527	\$ 0.10126	\$ 0.08693
Next 200 Metered Demand	\$ 0.06804	\$ 0.06131	\$ 0.07858	\$ 0.07081
Additional kWh	\$ 0.06110	\$ 0.06077	\$ 0.07057	\$ 0.07019
<b>Company-Approved Charger Usage</b>				
	L2 Charger	DCFC Charger	L2 Charger	DCFC Charger
Time-Based "Peak" Energy Charge	\$ 0.18000	\$ 0.23000	\$ 0.18000	\$ 0.23000
Time-Based "Shoulder" Energy Charge	\$ 0.16000	\$ 0.21000	\$ 0.16000	\$ 0.21000
Time-Based "Off-Peak" Energy Charge	\$ 0.14000	\$ 0.19000	\$ 0.14000	\$ 0.19000

Ready Charge Pilot Program (Schedule RCPP)				
	Current Rates		Proposed Rates	
	Summer	Winter	Summer	Winter
<b>For Customers on Time Varying Rates</b>				
<b>Demand Charges</b>				
TC-GS				
TC-LG	\$ 8.93	\$ 6.96	\$ 10.56	\$ 8.23
TC-SP	\$ 8.75	\$ 6.82	\$ 10.11	\$ 7.88
<b>Facilities Charges</b>				
TC-GS				
TC-LG	\$ 2.13	\$ 2.13	\$ 2.52	\$ 2.52
TC-SP	\$ 2.08	\$ 2.08	\$ 2.40	\$ 2.40
<b>Energy Charges</b>				
TC-GS				
First 700 kWh	\$ 0.13892	\$ 0.13892	\$ 0.17926	\$ 0.17926
Additional kWh	\$ 0.13892	\$ 0.12624	\$ 0.15606	\$ 0.14182
Off-Peak kWh Credit	\$ (0.00200)	\$ (0.00200)	\$ (0.02000)	\$ (0.02000)
TC-LG				
First 150 Metered Demand	\$ 0.08998	\$ 0.07793	\$ 0.10637	\$ 0.09212
Next 200 Metered Demand	\$ 0.07091	\$ 0.06436	\$ 0.08382	\$ 0.07608
Additional kWh	\$ 0.06417	\$ 0.06385	\$ 0.07586	\$ 0.07548
Off-Peak kWh Credit	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)
TC-SP				
First 150 Metered Demand	\$ 0.08823	\$ 0.07641	\$ 0.10193	\$ 0.08828
Next 200 Metered Demand	\$ 0.06953	\$ 0.06311	\$ 0.08033	\$ 0.07291
Additional kWh	\$ 0.06292	\$ 0.06261	\$ 0.07269	\$ 0.07233
Off-Peak kWh Credit	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)
<b>Company-Approved Charger Usage</b>				
	L2 Charger	DCFC Charger	L2 Charger	DCFC Charger
Time-Based "Peak" Energy Charge	\$ 0.18000	\$ 0.23000	\$ 0.18000	\$ 0.23000
Time-Based "Shoulder" Energy Charge	\$ 0.16000	\$ 0.21000	\$ 0.16000	\$ 0.21000
Time-Based "Off-Peak" Energy Charge	\$ 0.14000	\$ 0.19000	\$ 0.14000	\$ 0.19000

**Commercial Electrification Pilot Plan (Schedule CEPP)**

	Current Rates		Proposed Rates	
<b>Monthly Rates</b>				
<b>Customer Access Charge</b>				
NS-GS, TC-GS	\$	23.97	\$	24.00
NS-LG, TC-LG, NS-SP, TC-SP	\$	69.49	\$	70.00
LP	\$	283.55	\$	325.00
<b>CEPP Monthly Participation Fee</b>				
L2 Charger	\$	199.38	\$	199.38

	Current Rates		Proposed Rates	
	Summer	Winter	Summer	Winter

**For Customers on Non-Time Varying Rates**

<b>Demand Charges</b>				
NS-GS				
NS-LG	\$	8.93	\$	6.96
NS-SP	\$	8.75	\$	6.82
LP	\$	18.61	\$	10.27
			\$	24.51
			\$	13.53
<b>Facilities Charges</b>				
NS-GS				
NS-LG	\$	2.13	\$	2.13
NS-SP	\$	2.08	\$	2.08
LP	\$	1.88	\$	1.88
			\$	2.53
			\$	2.40
			\$	1.88

**Commercial Electrification Pilot Plan (Schedule CEPP)**

	Current Rates		Proposed Rates	
	Summer	Winter	Summer	Winter
<b>For Customers on Time Varying Rates</b>				
<b>Demand Charges</b>				
TC-GS				
TC-LG	\$ 8.93	\$ 6.96	\$ 10.56	\$ 8.23
TC-SP	\$ 8.75	\$ 6.82	\$ 10.11	\$ 7.88
<b>Facilities Charges</b>				
TC-GS				
TC-LG	\$ 2.13	\$ 2.13	\$ 2.52	\$ 2.52
TC-SP	\$ 2.08	\$ 2.08	\$ 2.40	\$ 2.40
<b>Energy Charges</b>				
TC-GS				
First 700 kWh	\$ 0.13892	\$ 0.13892	\$ 0.17926	\$ 0.17926
Additional kWh	\$ 0.13892	\$ 0.12624	\$ 0.15606	\$ 0.14182
Off-Peak kWh Credit	\$ (0.00200)	\$ (0.00200)	\$ (0.02000)	\$ (0.02000)
TC-LG				
First 150 Metered Demand	\$ 0.08998	\$ 0.07793	\$ 0.10637	\$ 0.09212
Next 200 Metered Demand	\$ 0.07091	\$ 0.06436	\$ 0.08382	\$ 0.07608
Additional kWh	\$ 0.06417	\$ 0.06385	\$ 0.07586	\$ 0.07548
Off-Peak kWh Credit	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)
TC-SP				
First 150 Metered Demand	\$ 0.08823	\$ 0.07641	\$ 0.10193	\$ 0.08828
Next 200 Metered Demand	\$ 0.06953	\$ 0.06311	\$ 0.08033	\$ 0.07291
Additional kWh	\$ 0.06292	\$ 0.06261	\$ 0.07269	\$ 0.07233
Off-Peak kWh Credit	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)

Electric School Bus Pilot Program (Schedule ESBPP)					
Current Rates			Proposed Rates		
<b>Monthly Rates</b>					
<b>Customer Access Charge</b>					
NS-GS, TC-GS	\$	23.97		\$	24.00
NS-LG, TC-LG, NS-SP, TC-SP	\$	69.49		\$	70.00
Current Rates			Proposed Rates		
	Summer	Winter	Summer	Winter	
<b>For Customers on Non-Time Varying Rates</b>					
<b>Demand Charges</b>					
NS-GS					
NS-LG	\$	8.93	\$	6.96	\$ 10.59 \$ 8.25
NS-SP	\$	8.75	\$	6.82	\$ 10.11 \$ 7.88
<b>Facilities Charges</b>					
NS-GS					
NS-LG	\$	2.13	\$	2.13	\$ 2.53 \$ 2.53
NS-SP	\$	2.08	\$	2.08	\$ 2.40 \$ 2.40
<b>Energy Charges</b>					
NS-GS					
First 700 kWh	\$	0.13429	\$	0.13429	\$ 0.17477 \$ 0.17477
Additional kWh	\$	0.13429	\$	0.12020	\$ 0.15157 \$ 0.13567
NS-LG					
First 150 Metered Demand	\$	0.08941	\$	0.07676	\$ 0.10601 \$ 0.09101
Next 200 Metered Demand	\$	0.06939	\$	0.06253	\$ 0.08227 \$ 0.07414
Additional kWh	\$	0.06231	\$	0.06198	\$ 0.07388 \$ 0.07348
NS-SP					
First 150 Metered Demand	\$	0.08767	\$	0.07527	\$ 0.10126 \$ 0.08693
Next 200 Metered Demand	\$	0.06804	\$	0.06131	\$ 0.07858 \$ 0.07081
Additional kWh	\$	0.06110	\$	0.06077	\$ 0.07057 \$ 0.07019
<b>EV Consumption Rate Riders</b>					
Time-Based "Peak" Energy Charge					
NS-GS	\$	0.02014	\$	0.02014	\$ 0.02622 \$ 0.02622
NS-LG	\$	0.01341	\$	0.01151	\$ 0.01590 \$ 0.01365
NS-SP	\$	0.01315	\$	0.01129	\$ 0.01519 \$ 0.01304
Time-Based "Shoulder" Energy Charge					
NS-GS	\$	0.01343	\$	0.01343	\$ 0.01748 \$ 0.01748
NS-LG	\$	0.00894	\$	0.00768	\$ 0.01060 \$ 0.00910
NS-SP	\$	0.00877	\$	0.00753	\$ 0.01013 \$ 0.00869
Time-Based "Off-Peak" Energy Charge					
NS-GS	\$	(0.10034)	\$	(0.10034)	\$ (0.13108) \$ (0.13108)
NS-LG	\$	(0.05546)	\$	(0.04281)	\$ (0.07950) \$ (0.06826)
NS-SP	\$	(0.05372)	\$	(0.04132)	\$ (0.07594) \$ (0.06520)

Electric School Bus Pilot Program (Schedule ESBPP)				
	Current Rates		Proposed Rates	
	Summer	Winter	Summer	Winter
<b>For Customers on Time Varying Rates</b>				
<b>Demand Charges</b>	Summer	Winter	Summer	Winter
NS-GS				
NS-LG	\$ 8.93	\$ 6.96	\$ 10.56	\$ 8.23
NS-SP	\$ 8.75	\$ 6.82	\$ 10.11	\$ 7.88
<b>Facilities Charges</b>				
NS-GS				
NS-LG	\$ 2.13	\$ 2.13	\$ 2.52	\$ 2.52
NS-SP	\$ 2.08	\$ 2.08	\$ 2.40	\$ 2.40
<b>Energy Charges</b>				
TC-GS				
First 700 kWh	\$ 0.13892	\$ 0.13892	\$ 0.17926	\$ 0.17926
Additional kWh	\$ 0.13892	\$ 0.12624	\$ 0.15606	\$ 0.14182
Off-Peak kWh Credit	\$ (0.00200)	\$ (0.00200)	\$ (0.02000)	\$ (0.02000)
TC-LG				
First 150 Metered Demand	\$ 0.08998	\$ 0.07793	\$ 0.10637	\$ 0.09212
Next 200 Metered Demand	\$ 0.07091	\$ 0.06436	\$ 0.08382	\$ 0.07608
Additional kWh	\$ 0.06417	\$ 0.06385	\$ 0.07586	\$ 0.07548
Off-Peak kWh Credit	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)
TC-SP				
First 150 Metered Demand	\$ 0.08823	\$ 0.07641	\$ 0.10193	\$ 0.08828
Next 200 Metered Demand	\$ 0.06953	\$ 0.06311	\$ 0.08033	\$ 0.07291
Additional kWh	\$ 0.06292	\$ 0.06261	\$ 0.07269	\$ 0.07233
Off-Peak kWh Credit	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)
<b>EV Consumption Rate Riders</b>				
Time-Based "Peak" Energy Charge				
NS-GS	\$ 0.02084	\$ 0.02084	\$ 0.02689	\$ 0.02689
NS-LG	\$ 0.01350	\$ 0.01169	\$ 0.01595	\$ 0.01382
NS-SP	\$ 0.01323	\$ 0.01146	\$ 0.01529	\$ 0.01324
Time-Based "Shoulder" Energy Charge				
NS-GS	\$ 0.01389	\$ 0.01389	\$ 0.01793	\$ 0.01793
NS-LG	\$ 0.00900	\$ 0.00779	\$ 0.01064	\$ 0.00921
NS-SP	\$ 0.00882	\$ 0.00779	\$ 0.01019	\$ 0.00883
Time-Based "Off-Peak" Energy Charge				
NS-GS	\$ (0.10497)	\$ (0.10497)	\$ (0.13445)	\$ (0.13445)
NS-LG	\$ (0.05603)	\$ (0.04398)	\$ (0.07977)	\$ (0.06909)
NS-SP	\$ (0.05428)	\$ (0.04246)	\$ (0.07645)	\$ (0.06621)



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<b>Empire District Electric (MISSOURI)</b>										
<b>Summary of Costs</b>										
	Total Company	Res Gen NS-RG	Res Gen TC-RG	Res Gen TP-RG	General NS-GS	General TC-GS	General TP-GS	Large Gen NS-LG	Large Gen TC-LG	
<b>Customer Charges</b>										
Proposed	\$	16.00	\$ 16.00	\$ 16.00	\$ 24.00	\$ 24.00	\$ 24.00	\$ 70.00	\$ 70.00	
Current	\$	13.00	\$ 13.00	\$ 13.00	\$ 23.97	\$ 23.97	\$ 23.97	\$ 69.49	\$ 69.49	
<b>Billing Determinants</b>										
Customers	166,405	567	140,353	74	966	21,269	3	319	2,403	
Usage (MWh)	4,224,778	9,067	1,740,856	920	14,305	405,154	6	197,591	852,363	
Revenue Requirement	\$ 668,375,888	\$ 1,701,898	\$ 317,015,660	\$ 166,347	\$ 2,681,891	\$ 73,772,061	\$ 2,138	\$ 27,486,414	\$ 123,033,855	
<b>Customer Costs</b>										
Basic customer costs	\$ 72,723,043	\$ 238,370	\$ 56,414,991	\$ 30,289	\$ 430,897	\$ 8,759,437	\$ 1,552	\$ 222,209	\$ 1,361,329	
\$ per customer	\$ 36.42	\$ 35.03	\$ 33.50	\$ 34.11	\$ 37.17	\$ 34.32	\$ 43.12	\$ 58.05	\$ 47.21	
Fully-loaded customer costs	\$ 103,450,634	\$ 334,976	\$ 81,837,802	\$ 48,413	\$ 587,761	\$ 11,976,106	\$ 1,813	\$ 251,387	\$ 1,375,610	
\$ per customer	\$ 51.81	\$ 49.23	\$ 48.59	\$ 54.52	\$ 50.70	\$ 46.92	\$ 50.36	\$ 65.67	\$ 47.70	
<b>Revenue Requirement</b>										
Revenue Requirement	\$ 668,375,888	\$ 1,701,898	\$ 317,015,660	\$ 166,347	\$ 2,681,891	\$ 73,772,061	\$ 2,138	\$ 27,486,414	\$ 123,033,855	
\$ per customer	\$ 334.71	\$ 250.13	\$ 188.23	\$ 187.33	\$ 231.36	\$ 289.04	\$ 59.40	\$ 7,180.36	\$ 4,266.68	
\$ per MWh	\$ 1,582.04	\$ 1,876.96	\$ 1,821.03	\$ 1,808.78	\$ 1,874.76	\$ 1,820.84	\$ 3,429.89	\$ 1,391.08	\$ 1,443.44	

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Empire District Electric (MISSOURI)									
Summary of Costs	Small Prim NS-SP	Small Prim TC-SP	Large Power LP	Transmission TS	Misc. Service MS	Municipal Lts SPL	Private Lts PL	Spec Lts LS	
<b>Customer Charges</b>									
Proposed	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 70.00	\$ 325.00	\$ 275.00	
Current	\$ 69.49	\$ 69.49	\$ 69.49	\$ 69.49	\$ 69.49	\$ 69.49	\$ 283.55	\$ 275.00	
<b>Billing Determinants</b>									
Customers	38	18	44	1	2	7	219	122	
Usage (MWh)	95,933	10,966	800,548	67,932	136	16,879	11,437	685	
Revenue Requirement	\$ 12,888,356	\$ 1,791,735	\$ 91,505,724	\$ 6,852,609	\$ 18,975	\$ 4,371,783	\$ 4,890,737	\$ 195,705	
<b>Customer Costs</b>									
Basic customer costs	\$ 71,886	\$ 29,725	\$ 498,703	\$ 617,602	\$ 693	\$ 2,600,671	\$ 1,309,793	\$ 134,895	
\$ per customer	\$ 157.64	\$ 137.62	\$ 940.95	\$ 51,466.81	\$ 27.72	\$ 30,960.37	\$ 497.45	\$ 92.52	
Fully-loaded customer costs	\$ 94,957	\$ 33,882	\$ 721,476	\$ 897,251	\$ 918	\$ 3,451,409	\$ 1,680,689	\$ 156,182	
\$ per customer	\$ 208.24	\$ 156.86	\$ 1,361.27	\$ 74,770.93	\$ 36.71	\$ 41,088.21	\$ 638.32	\$ 107.12	
<b>Revenue Requirement</b>									
Revenue Requirement	\$ 12,888,356	\$ 1,791,735	\$ 91,505,724	\$ 6,852,609	\$ 18,975	\$ 4,371,783	\$ 4,890,737	\$ 195,705	
\$ per customer	\$ 28,263.94	\$ 8,295.07	\$ 172,652.31	\$ 571,050.72	\$ 758.99	\$ 52,045.04	\$ 1,857.48	\$ 134.23	
\$ per MWh	\$ 1,343.48	\$ 1,633.85	\$ 1,143.04	\$ 1,008.74	\$ 1,399.94	\$ 2,590.06	\$ 4,276.32	\$ 2,857.21	

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Empire District Electric (MISSOURI)									
Summary of Costs	Total Company	Res Gen NS-RG	Res Gen TC-RG	Res Gen TP-RG	General NS-GS	General TC-GS	General TP-GS	Large Gen NS-LG	Large Gen TC-LG
<b>CUSTOMER COSTS</b>									
<b>Customer Costs</b>									
<b>Plant</b>									
(364) Poles, Towers & Fixtures	\$ 108,265,723	\$ 368,919	\$ 91,320,870	\$ 48,148	\$ 628,529	\$ 13,838,704	\$ 1,952	\$ 207,558	\$ 1,563,515
(365) Overhead Conductors & Devices	87,544,429	298,307	73,841,751	38,932	508,227	11,189,930	1,578	167,831	1,264,253
(366) Underground Conduit	35,873,202	122,240	30,258,846	15,954	208,261	4,585,405	647	68,774	518,065
(367) Underground Conductors & Device	37,974,441	129,400	32,031,230	16,888	220,460	4,853,991	685	72,802	548,410
(368) Line Transformers	70,502,689	242,636	58,419,956	83,990	665,197	7,696,534	2,616	319,582	2,618,321
(369) Services	112,360,375	385,217	95,355,015	50,275	767,199	12,809,191	3,215	341,863	2,575,228
(370) Meters	47,950,773	157,135	38,826,290	20,418	309,844	6,953,711	828	220,049	664,617
(371) Installation on Customers' Premises	18,641,369	-	-	-	-	-	-	-	-
(373) Street Lighting & Signal Systems	24,060,700	-	-	-	-	-	-	-	-
Directly Assigned Dist. Facilities	5,442,164	-	-	-	-	11,586	-	48,940	7,394
<b>Total Customer-Related Plant</b>	<b>548,615,866</b>	<b>1,703,855</b>	<b>420,053,959</b>	<b>274,606</b>	<b>3,307,716</b>	<b>61,939,053</b>	<b>11,520</b>	<b>1,447,398</b>	<b>9,759,804</b>
<b>Accumulated Depreciation</b>									
StreetLighting	(5,511,802)	-	-	-	-	-	-	-	-
Poles	(50,580,185)	(172,354)	(42,663,793)	(22,494)	(293,640)	(6,465,243)	(912)	(96,968)	(730,452)
Overhead Conductors	(43,766,779)	(149,135)	(36,916,291)	(19,464)	(254,082)	(5,594,270)	(789)	(83,905)	(632,048)
Underground Conductors	(26,195,678)	(89,263)	(22,095,909)	(11,650)	(152,078)	(3,348,399)	(472)	(50,220)	(378,307)
Transformers	(21,806,949)	(75,049)	(18,069,680)	(25,979)	(205,750)	(2,380,589)	(809)	(98,849)	(809,864)
Services	(73,836,706)	(253,142)	(62,661,772)	(33,038)	(504,158)	(8,417,456)	(2,113)	(224,653)	(1,692,290)
Metering	6,141,897	20,127	4,973,165	2,615	39,687	890,684	106	28,186	85,129
Other Property	(13,432,775)	-	-	-	-	-	-	-	-
Directly Assigned Dist. Facilities (A/D)	(2,103,096)	-	-	-	-	(4,477)	-	(18,913)	(2,857)
<b>Total Accumulated Depreciation</b>	<b>(231,092,073)</b>	<b>(718,816)</b>	<b>(177,434,281)</b>	<b>(110,009)</b>	<b>(1,370,021)</b>	<b>(25,319,751)</b>	<b>(4,989)</b>	<b>(545,322)</b>	<b>(4,160,689)</b>
<b>Net income before taxes &amp; interest</b>									
Net Plant	317,523,793	985,039	242,619,679	164,597	1,937,695	36,619,302	6,531	902,076	5,599,115
Net Income after taxes	23,151,595	71,822	17,690,115	12,001	141,283	2,670,021	476	65,773	408,248
Add: Income Taxes	2,384,952	11,666	1,416,062	(2,404)	27,984	591,798	243	10,992	75,128
<b>Net income before taxes &amp; interest</b>	<b>\$ 25,536,547</b>	<b>\$ 83,488</b>	<b>\$ 19,106,178</b>	<b>\$ 9,597</b>	<b>\$ 169,267</b>	<b>\$ 3,261,819</b>	<b>\$ 719</b>	<b>\$ 76,765</b>	<b>\$ 483,376</b>

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Empire District Electric (MISSOURI)									
Summary of Costs	Small Prim NS-SP	Small Prim TC-SP	Large Power LP	Transmission TS	Misc. Service MS	Municipal Lts SPL	Private Lts PL	Spec Lts LS	
<b>CUSTOMER COSTS</b>									
<b>Customer Costs</b>									
<b>Plant</b>									
(364) Poles, Towers & Fixtures	\$ 22,462	\$ 10,640	\$ 26,107	\$ 591	\$ 1,356	\$ 4,555	\$ 142,764	\$ 79,054	
(365) Overhead Conductors & Devices	18,585	8,804	21,602	489	1,096	3,683	115,438	63,923	
(366) Underground Conduit	7,344	3,479	8,536	193	449	1,509	47,304	26,194	
(367) Underground Conductors & Device	7,775	3,683	9,036	205	475	1,598	50,075	27,729	
(368) Line Transformers	30,206	18,366	32,293	846	2,422	-	246,883	122,840	
(369) Services	-	-	-	-	-	-	-	73,173	
(370) Meters	26,625	12,162	701,281	15,561	-	-	-	42,252	
(371) Installation on Customers' Premises	-	-	-	-	-	-	17,446,314	1,195,055	
(373) Street Lighting & Signal Systems	-	-	-	-	-	24,060,700	-	-	
Directly Assigned Dist. Facilities	749,960	317,354	4,303,985	2,946	-	-	-	-	
<b>Total Customer-Related Plant</b>	<b>862,957</b>	<b>374,487</b>	<b>5,102,840</b>	<b>20,830</b>	<b>5,798</b>	<b>24,072,044</b>	<b>18,048,778</b>	<b>1,630,221</b>	
<b>Accumulated Depreciation</b>									
StreetLighting	-	-	-	-	-	(5,511,802)	-	-	
Poles	(10,494)	(4,971)	(12,197)	(276)	(633)	(2,128)	(66,697)	(36,933)	
Overhead Conductors	(9,292)	(4,401)	(10,799)	(245)	(548)	(1,841)	(57,712)	(31,957)	
Underground Conductors	(5,363)	(2,540)	(6,233)	(141)	(328)	(1,102)	(34,543)	(19,128)	
Transformers	(9,343)	(5,681)	(9,989)	(262)	(749)	-	(76,363)	(37,995)	
Services	-	-	-	-	-	-	-	(48,085)	
Metering	3,410	1,558	89,825	1,993	-	-	-	5,412	
Other Property	-	-	-	-	-	-	(12,571,631)	(861,144)	
Directly Assigned Dist. Facilities (A/D)	(289,818)	(122,640)	(1,663,253)	(1,138)	-	-	-	-	
<b>Total Accumulated Depreciation</b>	<b>(320,899)</b>	<b>(138,675)</b>	<b>(1,612,646)</b>	<b>(69)</b>	<b>(2,258)</b>	<b>(5,516,873)</b>	<b>(12,806,946)</b>	<b>(1,029,831)</b>	
<b>Net income before taxes &amp; interest</b>									
Net Plant	542,058	235,812	3,490,194	20,762	3,540	18,555,171	5,241,833	600,390	
Net Income after taxes	39,523	17,194	254,480	1,514	258	1,352,912	382,197	43,776	
Add: Income Taxes	9,879	4,252	62,068	374	72	53,020	104,555	19,264	
<b>Net income before taxes &amp; interest</b>	<b>\$ 49,402</b>	<b>\$ 21,446</b>	<b>\$ 316,549</b>	<b>\$ 1,887</b>	<b>\$ 330</b>	<b>\$ 1,405,932</b>	<b>\$ 486,752</b>	<b>\$ 63,041</b>	

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Empire District Electric (MISSOURI)									
Summary of Costs	Total Company	Res Gen NS-RG	Res Gen TC-RG	Res Gen TP-RG	General NS-GS	General TC-GS	General TP-GS	Large Gen NS-LG	Large Gen TC-LG
<b>O&amp;M Expenses</b>									
(580) Operation Supervision & Engineering	798,273	2,673	661,012	348	5,017	106,860	15	2,700	12,391
(582) Station Expenses	-	-	-	-	-	-	-	-	-
(583) Overhead line expenses	384,599	1,311	324,401	171	2,233	49,159	7	737	5,554
(584) Underground line expenses	378,093	1,288	318,919	168	2,195	48,329	7	725	5,460
(585) Street lighting and signal system expenses	115	-	-	-	-	-	-	-	-
(586) Meter expenses	2,354,327	7,715	1,906,326	1,003	15,213	341,419	41	10,804	32,632
(587) Customer installations expenses	786,194	2,695	667,206	352	5,368	89,627	22	2,392	18,019
(588) Miscellaneous distribution expenses	781,740	2,623	648,786	342	4,867	104,072	15	2,505	12,032
(589) Rents	727	2	603	0	5	97	0	2	11
(590) Maintenance Supervision and Engineering	73,112	194	47,921	26	343	7,438	1	137	851
(591) Maintenance of Structures	-	-	-	-	-	-	-	-	-
(592) Maintenance of Station Equipment	-	-	-	-	-	-	-	-	-
(593) Maintenance of Overhead Lines	4,467,324	15,222	3,768,087	1,987	25,934	571,013	81	8,564	64,514
(594) Maintenance of underground lines	397,257	1,354	335,084	177	2,306	50,778	7	762	5,737
(595) Maintenance of line transformers	32,561	112	26,980	39	307	3,555	1	148	1,209
(596) Maintenance of street lighting and signal systems	386,330	-	-	-	-	-	-	-	-
(597) Maintenance of meters	214,874	704	173,986	91	1,388	31,161	4	986	2,978
(598) Maintenance of miscellaneous distribution plant	87,818	243	60,047	33	426	9,279	1	165	1,059
Total Customer Account Expenses	10,716,595	40,563	9,057,735	4,746	46,945	1,066,147	136	53,930	301,462
Total Customer Service Expenses	7,127,055	21,715	5,375,125	2,834	42,466	935,000	132	14,023	105,638
Total Sales Expenses	52,446	144	29,160	15	233	6,058	0	1,674	7,590
Total O&M	29,039,441	98,557	23,401,380	12,331	155,247	3,419,991	470	100,253	577,139
<b>Depreciation Expense</b>									
StreetLighting	938,552	-	-	-	-	-	-	-	-
Poles	5,480,739	18,676	4,622,940	2,437	31,818	700,557	99	10,507	79,150
Overhead Conductors	2,722,645	9,277	2,296,490	1,211	15,806	348,009	49	5,220	39,318
Underground Conductors	1,157,585	3,945	976,417	515	6,720	147,966	21	2,219	16,717
Transformers	1,366,549	4,703	1,132,351	1,628	12,893	149,181	51	6,194	50,751
Services	3,736,319	12,810	3,170,840	1,672	25,512	425,944	107	11,368	85,634
Metering	2,109,883	6,914	1,708,396	898	13,633	305,970	36	9,682	29,244
Other Property	634,782	-	-	-	-	-	-	-	-
Total Depreciation Expense	18,147,055	56,324	13,907,433	8,361	106,383	2,077,627	363	45,191	300,814
Basic customer-related costs	72,723,043	\$ 238,370	\$ 56,414,991	\$ 30,289	\$ 430,897	\$ 8,759,437	\$ 1,552	\$ 222,209	\$ 1,361,329
Number of customers	166,405	567	140,353	74	966	21,269	3	319	2,403
Monthly basic cost per customer	\$ 36.42	\$ 35.03	\$ 33.50	\$ 34.11	\$ 37.17	\$ 34.32	\$ 43.12	\$ 58.05	\$ 47.21

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Summary of Costs	Small Prim NS-SP	Small Prim TC-SP	Large Power LP	Transmission TS	Misc. Service MS	Municipal Lts SPL	Private Lts PL	Spec Lts LS
<u>O&amp;M Expenses</u>								
(580) Operation Supervision & Engineering	276	127	5,685	126	4	23	385	631
(582) Station Expenses	-	-	-	-	-	-	-	-
(583) Overhead line expenses	82	39	95	2	5	16	507	281
(584) Underground line expenses	77	37	90	2	5	16	499	276
(585) Street lighting and signal system expenses	-	-	-	-	-	70	46	-
(586) Meter expenses	1,307	597	34,432	764	-	-	-	2,075
(587) Customer installations expenses	-	-	-	-	-	-	-	512
(588) Miscellaneous distribution expenses	259	120	4,915	109	4	24	457	612
(589) Rents	0	0	5	0	0	0	0	1
(590) Maintenance Supervision and Engineering	13	6	139	3	1	9,608	6,387	44
(591) Maintenance of Structures	-	-	-	-	-	-	-	-
(592) Maintenance of Station Equipment	-	-	-	-	-	-	-	-
(593) Maintenance of Overhead Lines	948	449	1,102	25	56	188	5,891	3,262
(594) Maintenance of underground lines	81	39	95	2	5	17	524	290
(595) Maintenance of line transformers	14	8	15	0	1	-	114	57
(596) Maintenance of street lighting and signal systems	-	-	-	-	-	233,018	153,313	-
(597) Maintenance of meters	119	55	3,143	70	-	-	-	189
(598) Maintenance of miscellaneous distribution plant	16	8	145	3	1	9,803	6,533	55
Total Customer Account Expenses	13,113	4,077	90,976	3,025	102	2,430	27,200	4,008
Total Customer Service Expenses	1,671	791	1,942	610,409	15	308	9,646	5,341
Total Sales Expenses	797	112	5,626	421	1	273	322	19
Total O&M	18,774	6,464	148,403	614,962	199	255,793	211,824	17,652
<u>Depreciation Expense</u>								
StreetLighting	-	-	-	-	-	938,552	-	-
Poles	1,137	539	1,322	30	69	231	7,227	4,002
Overhead Conductors	578	274	672	15	34	115	3,590	1,988
Underground Conductors	237	112	275	6	14	49	1,526	845
Transformers	585	356	626	16	47	-	4,785	2,381
Services	-	-	-	-	-	-	-	2,433
Metering	1,172	535	30,857	685	-	-	-	1,859
Other Property	-	-	-	-	-	-	594,088	40,694
Total Depreciation Expense	3,709	1,816	33,752	752	164	938,946	611,217	54,203
Basic customer-related costs	\$ 71,886	\$ 29,725	\$ 498,703	\$ 617,602	\$ 693	\$ 2,600,671	\$ 1,309,793	\$ 134,895
Number of customers	38	18	44	1	2	7	219	122
Monthly basic cost per customer	\$ 157.64	\$ 137.62	\$ 940.95	\$ 51,466.81	\$ 27.72	\$ 30,960.37	\$ 497.45	\$ 92.52