

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 Street Lighting SPL	Private Lighting PL	Special Lighting LS
Proposed Rates																
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	\$ -	
kWh Charge - Winter																
1st Block kWh Charge	\$ 0.19330	\$ 0.19774	\$ 0.38922	\$ 0.19228	\$ 0.19665	\$ 0.40196	\$ 0.10032	\$ 0.10145	\$ 0.09617	\$ 0.09753	\$ 0.05995	\$ 0.04762	\$ 0.13401			\$ 0.30019
2nd Block kWh Charge	\$ 0.13202	\$ 0.13981	\$ 0.11583	\$ 0.15201	\$ 0.15831	\$ 0.10441	\$ 0.08172	\$ 0.08379	\$ 0.07834	\$ 0.08055	\$ 0.04745	\$ -				\$ 0.23279
3rd Block kWh Charge							\$ 0.08100	\$ 0.08312	\$ 0.07765	\$ 0.07992		\$ 0.03894				
kWh Charge - Summer																
1st Block kWh Charge	\$ 0.19330	\$ 0.19774	\$ 0.38922	\$ 0.19228	\$ 0.19665	\$ 0.40196	\$ 0.11685	\$ 0.11714	\$ 0.11202	\$ 0.11262	\$ 0.06790	\$ 0.06848	\$ 0.13401			\$ 0.30019
2nd Block kWh Charge	\$ 0.16393	\$ 0.16837	\$ 0.11583	\$ 0.16983	\$ 0.17421	\$ 0.10441	\$ 0.09069	\$ 0.09231	\$ 0.08694	\$ 0.08875	\$ 0.05540	\$ 0.05469				\$ 0.23279
3rd Block kWh Charge							\$ 0.08143	\$ 0.08354	\$ 0.07807	\$ 0.08031		\$ 0.04146				
Off-Peak kWh Credit		\$ (0.02000)			\$ (0.02000)			\$ (0.00500)		\$ (0.00490)						
Facility Demand kW - Winter							\$ 2.78	\$ 2.77	\$ 2.66	\$ 2.65	\$ 1.88	\$ 0.65				
Billed Demand kW - Winter							\$ 9.10	\$ 9.06	\$ 8.71	\$ 8.71	\$ 17.43	\$ 22.51				
Facility Demand kW - Summer							\$ 2.78	\$ 2.77	\$ 2.66	\$ 2.65	\$ 1.88	\$ 0.65				
Billed Demand kW - Summer							\$ 11.67	\$ 11.63	\$ 11.18	\$ 11.17	\$ 31.58	\$ 33.13				
Current Rates																
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	\$ -	
kWh Charge - Winter																
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				
kWh Charge - Summer																
1st Block kWh Charge	\$ 0.13582	\$ 0.14031	\$ 0.28793	\$ 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	\$ 0.08569	\$ 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	320,511,884
Current Base Rates	244,088,018
\$ Difference	76,423,866
% Difference	31.3%

Customer-related Costs \$ 51,957,987

	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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Proposed Rates			
Customer Charge	\$ 16.00	1,691,928	\$ 27,070,848
1st Block kWh - Winter	\$ 0.19330	556,142,633	107,503,405
2nd Block kWh - Winter	\$ 0.13202	574,055,563	75,786,660
1st Block kWh - Summer	\$ 0.19330	291,237,334	56,296,718
2nd Block kWh - Summer	\$ 0.16393	329,407,256	54,000,503
RGL Rider			(146,250)

Revenue at Proposed Rates \$ 320,511,884

Customer Costs Recovered in 1st Block \$ 0.02937 847,379,966 \$ 24,887,139

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

Current Rates			
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
Revenue at Current Rates			\$ 244,657,831
			569,813
			0.233%

Rider Charges	
Current	\$ 0.02597
Proposed	\$ 0.01127

Bill Impact Analysis

Bill Impact Analysis - NS-RG Rate											
Annual Use	Cumulative Bills	Base Rate Comparison				Difference (\$)	Annual Bill Comparison				
		Cumulative Use	Proposed Base Rates	Current Base Rates	Difference (%)		Proposed Annual Bill	Current Annual Bill	Difference (\$)	Difference (%)	
1,000	3.1%	0.1%	\$ 385	292	\$ 93	32.0%	\$ 396	\$ 318	\$ 79	24.8%	
4,000	7.7%	0.9%	965	699	266	38.0%	1,010	803	207	25.8%	
10,000	33.8%	14.3%	1,988	1,469	519	35.3%	2,101	1,729	372	21.5%	
11,000	39.4%	18.3%	2,132	1,588	544	34.2%	2,256	1,874	382	20.4%	
12,418	47.0%	24.5%	2,335	1,756	579	32.9%	2,475	2,079	396	19.1%	
14,000	55.0%	31.8%	2,562	1,944	618	31.8%	2,720	2,308	412	17.8%	
18,000	72.0%	50.6%	3,135	2,419	716	29.6%	3,338	2,886	451	15.6%	
23,000	85.7%	69.8%	3,851	3,012	839	27.8%	4,110	3,609	501	13.9%	
29,000	94.1%	84.6%	4,710	3,724	986	26.5%	5,037	4,477	560	12.5%	
36,000	97.8%	92.9%	5,712	4,555	1,158	25.4%	6,118	5,490	629	11.5%	
Average Winter Month Bill											
1,007			186	139	47	33.6%	197	165	32	19.3%	
Average Summer Month Bill											
1,090			212	161	51	31.8%	225	189	35	18.6%	

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

Base Revenues

Target Base Rates	320,511,884
Current Base Rates	244,088,018
\$ Difference	76,423,866
% Difference	31.3%

Customer-related Costs \$ 51,957,987

	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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Proposed Rates			
Customer Charge	\$ 16.00	1,691,928	\$ 27,070,848
1st Block kWh - Winter	\$ 0.19774	556,142,633	109,972,475
2nd Block kWh - Winter	\$ 0.13981	574,055,563	80,259,846
1st Block kWh - Summer	\$ 0.19774	291,237,334	57,589,705
2nd Block kWh - Summer	\$ 0.16837	329,407,256	55,462,951
Off Peak Credit	\$ (0.02000)	484,884,572	(9,697,691)
RGL Rider			(146,250)
Revenue at Proposed Rates			\$ 320,511,884
Customer Costs Recovered in 1st Block	\$ 0.02937	847,379,966	\$ 24,887,139

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

Current Rates				
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
Revenue at Current Rates				\$ 244,336,930
				248,912
				0.102%

Rider Charges		
Current	\$	0.02597
Proposed	\$	0.01127

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%	\$ 1,335	961	\$ 375	39.0%	\$ 1,403	\$ 1,116	\$ 287	25.7%
8,000	22.9%	7.5%	1,672	1,216	456	37.5%	1,762	1,424	338	23.8%
10,000	33.8%	14.3%	1,983	1,463	520	35.5%	2,095	1,723	373	21.6%
11,000	39.4%	18.3%	2,128	1,583	545	34.4%	2,252	1,869	383	20.5%
12,418	47.0%	24.5%	2,332	1,752	580	33.1%	2,472	2,074	398	19.2%
14,000	55.0%	31.8%	2,561	1,941	620	31.9%	2,719	2,304	414	18.0%
18,000	72.0%	50.6%	3,138	2,418	720	29.8%	3,341	2,886	455	15.8%
23,000	85.7%	69.8%	3,859	3,015	845	28.0%	4,119	3,612	507	14.0%
29,000	94.1%	84.6%	4,725	3,731	995	26.7%	5,052	4,484	568	12.7%
36,000	97.8%	92.9%	5,735	4,566	1,169	25.6%	6,141	5,501	640	11.6%

Average Winter Month Bill										
1,007			186	139	47	33.8%	197	165	32	19.5%

Average Summer Month Bill										
1,090			211	160	51	32.0%	223	188	35	18.7%

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

Base Revenues

Target Base Rates	320,511,884
Current Base Rates	244,088,018
\$ Difference	76,423,866
% Difference	31.3%

	All
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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Proposed Rates			
Customer Charge	\$ 16.00	1,691,928	\$ 27,070,848
On-Peak kWh	\$ 0.38922	331,517,766	129,033,741
Off-Peak kWh	\$ 0.11583	1,419,325,020	164,407,477

RGL Rider (182)

Revenue at Proposed Rates \$ 320,511,884

Current Rates			
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

Revenue at Current Rates \$ 239,112,264

(4,975,754)

Rider Charges	
Current	\$ 0.02597
Proposed	\$ 0.01127

Bill Impact Analysis

Bill Impact Analysis - TP-RG 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 (%)
8,000	3.9%	0.5%	\$ 1,533	1,148	\$ 385	33.5%	\$ 1,623	\$ 1,356	\$ 267	19.7%
10,000	9.8%	2.7%	1,868	1,396	472	33.8%	1,981	1,656	325	19.6%
10,000	9.8%	2.7%	1,868	1,396	472	33.8%	1,981	1,656	325	19.6%
11,000	11.8%	3.5%	2,036	1,520	516	33.9%	2,160	1,806	354	19.6%
12,418	15.7%	5.4%	2,273	1,696	578	34.1%	2,413	2,018	395	19.6%
14,000	15.7%	5.4%	2,538	1,892	647	34.2%	2,696	2,255	441	19.5%
18,000	35.3%	18.3%	3,209	2,388	821	34.4%	3,412	2,855	557	19.5%
23,000	56.9%	36.6%	4,047	3,008	1,039	34.6%	4,306	3,605	701	19.4%
29,000	78.4%	59.5%	5,052	3,752	1,301	34.7%	5,379	4,505	875	19.4%
36,000	90.2%	75.4%	6,226	4,619	1,606	34.8%	6,631	5,554	1,077	19.4%

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

Base Revenues

Target Base Rates	77,052,336
Current Base Rates	60,135,139
\$ Difference	16,917,197
% Difference	28.1%

Customer-related Costs \$ 9,101,316

	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
Proposed Rates			
Customer Charge	\$ 24.00	266,856	\$ 6,404,544
1st Block kWh - Winter	\$ 0.19228	79,902,202	15,363,366
2nd Block kWh - Winter	\$ 0.15201	184,492,906	28,045,240
1st Block kWh - Summer	\$ 0.19228	40,245,571	7,738,303
2nd Block kWh - Summer	\$ 0.16983	114,824,772	19,500,883
Revenue at Proposed Rates			\$ 77,052,336
Customer Costs Recovered in 1st Block	\$ 0.02245	120,147,773	\$ 2,696,772

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

Current Rates				
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
Revenue at Current Rates				\$ 60,163,228
				28,089
				419,465,451
				0.047%

Rider Charges	
Current	\$ 0.02597
Proposed	\$ 0.01127

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%	\$ 673	556	\$ 116	20.9%	\$ 695	\$ 608	\$ 87	14.3%
5,000	34.7%	2.7%	1,249	959	290	30.3%	1,306	1,089	217	19.9%
7,000	41.7%	4.7%	1,634	1,228	406	33.1%	1,713	1,410	303	21.5%
11,000	52.7%	9.2%	2,317	1,743	574	32.9%	2,441	2,029	412	20.3%
18,863	66.9%	18.8%	3,561	2,727	835	30.6%	3,774	3,217	557	17.3%
21,000	69.6%	21.2%	3,900	2,995	905	30.2%	4,137	3,540	597	16.9%
26,000	74.8%	26.8%	4,691	3,620	1,071	29.6%	4,984	4,296	689	16.0%
33,000	79.9%	33.8%	5,799	4,496	1,303	29.0%	6,171	5,353	818	15.3%
41,000	84.3%	41.2%	7,065	5,497	1,568	28.5%	7,527	6,562	965	14.7%
60,000	90.6%	55.7%	10,072	7,875	2,197	27.9%	10,748	9,433	1,315	13.9%

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

Base Revenues

Target Base Rates	77,052,336
Current Base Rates	60,135,139
\$ Difference	16,917,197
% Difference	28.1%

Customer-related Costs \$ 9,101,316

	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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Proposed Rates			
Customer Charge	\$ 24.00	266,856	\$ 6,404,544
1st Block kWh - Winter	\$ 0.19665	79,902,202	15,712,980
2nd Block kWh - Winter	\$ 0.15831	184,492,906	29,206,396
1st Block kWh - Summer	\$ 0.19665	40,245,571	7,914,398
2nd Block kWh - Summer	\$ 0.17421	114,824,772	20,003,302
Off Peak Credit	\$ (0.02000)	109,464,203	(2,189,284)

Revenue at Proposed Rates \$ 77,052,336

Customer Costs Recovered in 1st Block \$ 0.02245 120,147,773 \$ 2,696,772

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

Current Rates				
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
Revenue at Current Rates				\$ 60,176,204
				41,065
				0.068%

Rider Charges	
Current	\$ 0.02587
Proposed	\$ 0.01127

Bill Impact Analysis

Bill Impact Analysis - TC-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%	\$ 671	555	\$ 116	20.9%	\$ 693	\$ 607	\$ 87	14.3%
5,000	34.7%	2.7%	1,245	956	289	30.2%	1,301	1,085	216	19.9%
7,000	41.7%	4.7%	1,628	1,224	405	33.1%	1,707	1,405	302	21.5%
11,000	52.7%	9.2%	2,311	1,739	572	32.9%	2,435	2,023	411	20.3%
18,863	66.9%	18.8%	3,558	2,725	833	30.6%	3,771	3,213	558	17.4%
21,000	69.6%	21.2%	3,898	2,993	904	30.2%	4,134	3,537	598	16.9%
26,000	74.8%	26.8%	4,691	3,621	1,070	29.6%	4,984	4,293	691	16.1%
33,000	79.9%	33.8%	5,802	4,499	1,302	28.9%	6,174	5,353	821	15.3%
41,000	84.3%	41.2%	7,071	5,503	1,568	28.5%	7,533	6,564	969	14.8%
60,000	90.6%	55.7%	10,085	7,887	2,199	27.9%	10,762	9,439	1,323	14.0%

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

Base Revenues

Target Base Rates	77,052,336
Current Base Rates	60,135,139
\$ Difference	16,917,197
% Difference	28.1%

	All
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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Proposed Rates			
Customer Charge	\$ 24.00	266,856	\$ 6,404,544
On-Peak kWh	\$ 0.40196	90,241,872	36,273,552
Off-Peak kWh	\$ 0.10441	329,223,579	34,374,240

Revenue at Proposed Rates			\$ 77,052,336
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Current Rates			
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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			2,884,820
Rider Charges			4.797%
Current	\$ 0.02597		
Proposed	\$ 0.01127		

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			\$ 1,736	1,448	\$ 289	19.9%	\$ 1,833	\$ 1,671	\$ 162	9.7%
11,500			2,225	1,839	386	21.0%	2,355	2,138	217	10.1%
15,300			2,865	2,352	513	21.8%	3,037	2,749	288	10.5%
17,000			3,151	2,581	570	22.1%	3,343	3,023	320	10.6%
18,863			3,465	2,832	633	22.3%	3,678	3,322	355	10.7%
20,700			3,774	3,080	694	22.5%	4,008	3,618	390	10.8%
25,900			4,650	3,782	869	23.0%	4,942	4,454	488	11.0%
32,400			5,745	4,659	1,086	23.3%	6,110	5,500	610	11.1%
40,500			7,109	5,751	1,358	23.6%	7,566	6,803	763	11.2%
50,600			8,810	7,114	1,696	23.8%	9,381	8,428	953	11.3%

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

Base Revenues

Target Base Rates	147,881,010
Current Base Rates	113,776,970
\$ Difference	34,104,040
% Difference	30.0%

	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	\$0.10032	313,976,778	31,497,746
Next 200 Hours - Winter	\$0.08172	264,278,490	21,597,189
All Additional - Winter	\$0.08100	82,337,964	6,669,583
First 150 Hours - Summer	\$0.11685	164,631,860	19,237,426
Next 200 Hours - Summer	\$0.09069	161,848,460	14,677,512
All Additional - Summer	\$0.08143	62,879,955	5,120,554
Facility Demand kW - Winter	\$2.78	2,966,293	8,257,348
Billed Demand kW - Winter	\$9.10	2,281,870	20,756,161
Facility Demand kW - Summer	\$2.78	1,496,418	4,165,618
Billed Demand kW - Summer	\$11.67	1,166,626	13,615,391

Alternative: Time-Variant Demand Charges

Winter	\$ 186.33	111,394	20,756,161
Summer	\$ 285.70	47,657	13,615,391

Revenue at Proposed Rates			\$ 147,881,010
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Empire District Electric (MISSOURI)
Non-Standard Large General Rate Design

Current Rates			
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

Rider Charges	
Current	\$ 0.02597
Proposed	\$ 0.01127

Bill Impact Analysis

Bill Impact Analysis - NS-LG 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 (%)
25,000	1.2%	0.0%	\$ 4,307	3,486	\$ 820	23.5%	\$ 4,589	4,136	\$ 453	10.9%
100,000	14.3%	2.3%	14,707	11,444	3,263	28.5%	15,834	14,042	1,793	12.8%
150,000	30.8%	7.3%	21,640	16,749	4,891	29.2%	23,331	20,645	2,686	13.0%
250,000	53.6%	18.0%	35,507	27,360	8,147	29.8%	38,325	33,853	4,472	13.2%
350,000	66.1%	26.9%	49,374	37,970	11,404	30.0%	53,320	47,061	6,259	13.3%
385,729	69.3%	29.7%	54,328	41,761	12,567	30.1%	58,677	51,780	6,897	13.3%
480,000	76.4%	37.1%	67,400	51,763	15,637	30.2%	72,812	64,231	8,581	13.4%
600,000	82.1%	44.4%	84,041	64,496	19,545	30.3%	90,805	80,080	10,725	13.4%
750,000	87.7%	53.4%	104,841	80,411	24,430	30.4%	113,296	99,891	13,405	13.4%
940,000	91.6%	61.1%	131,188	100,571	30,617	30.4%	141,785	124,986	16,799	13.4%

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

Base Revenues

Target Base Rates	147,881,010
Current Base Rates	113,776,970
\$ Difference	34,104,040
% Difference	30.0%

	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	\$0.10145	313,976,778	31,853,722
Next 200 Hours - Winter	\$0.08379	264,278,490	22,142,968
All Additional - Winter	\$0.08312	82,337,964	6,844,142
First 150 Hours - Summer	\$0.11714	164,631,860	19,284,921
Next 200 Hours - Summer	\$0.09231	161,848,460	14,940,807
All Additional - Summer	\$0.08354	62,879,955	5,252,938
Facility Demand kW - Winter	\$2.77	2,966,293	8,225,297
Billed Demand kW - Winter	\$9.06	2,281,870	20,675,596
Facility Demand kW - Summer	\$2.77	1,496,418	4,149,449
Billed Demand kW - Summer	\$11.63	1,166,626	13,562,543
Off Peak Credit	(0.005)	267,570,699	(1,337,853)

Alternative: Time-Variant Demand Charges

Winter	\$ 185.61	111,394	20,675,596
Summer	\$ 284.59	47,657	13,562,543

Revenue at Proposed Rates			\$ 147,881,010
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Empire District Electric (MISSOURI)
Time Choice Large General Rate Design

Current Rates			
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

Rider Charges	
Current	\$ 0.02578
Proposed	\$ 0.01127

Bill Impact Analysis

Bill Impact Analysis - TC-LG 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 (%)
50,000	3.3%	0.2%	\$ 7,773	6,145	\$ 1,628	26.5%	\$ 8,337	7,434	\$ 903	12.2%
75,000	7.7%	0.9%	11,240	8,800	2,440	27.7%	12,086	10,734	1,352	12.6%
125,000	22.4%	4.5%	18,173	14,112	4,062	28.8%	19,583	17,334	2,249	13.0%
200,000	43.5%	12.6%	28,574	22,078	6,495	29.4%	30,828	27,233	3,595	13.2%
300,000	61.5%	23.3%	42,440	32,700	9,740	29.8%	45,822	40,433	5,389	13.3%
385,729	69.3%	29.7%	54,328	41,806	12,522	30.0%	58,677	51,749	6,928	13.4%
480,000	76.4%	37.1%	67,400	51,820	15,580	30.1%	72,812	64,193	8,619	13.4%
600,000	82.1%	44.4%	84,041	64,567	19,474	30.2%	90,805	80,033	10,772	13.5%
750,000	87.7%	53.4%	104,841	80,500	24,341	30.2%	113,296	99,832	13,464	13.5%
940,000	91.6%	61.1%	131,188	100,682	30,506	30.3%	141,785	124,912	16,873	13.5%

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

Base Revenues

Target Base Rates	13,797,729
Current Base Rates	10,747,110
\$ Difference	3,050,619
% Difference	28.4%

	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
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Proposed Rates

Customer Charge	\$ 70.00	672	\$ 47,040
First 150 Hours - Winter	\$0.09617	31,395,189	3,019,376
Next 200 Hours - Winter	\$0.07834	28,129,151	2,203,536
All Additional - Winter	\$0.07765	9,764,617	758,188
First 150 Hours - Summer	\$0.11202	16,256,539	1,821,006
Next 200 Hours - Summer	\$0.08694	15,074,350	1,310,494
All Additional - Summer	\$0.07807	6,279,068	490,195
Facility Demand kW - Winter	\$2.66	287,521	764,126
Billed Demand kW - Winter	\$8.71	221,351	1,928,849
Facility Demand kW - Summer	\$2.66	151,422	402,425
Billed Demand kW - Summer	\$11.18	115,030	1,286,026
Other Adjustments			(233,533)

Alternative: Time-Variant Demand Charges

Winter	\$ 13.48	143,125	1,928,849
Summer	\$ 62.30	20,644	1,286,026

Revenue at Proposed Rates			\$ 13,797,729
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Empire District Electric (MISSOURI)
Non-Standard Small Primary Rate Design

Current Rates			
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
Adjustments			
Minimum Adjustment			(142,647)
Transformer Ownership			(90,886)
Interruptible Credit			-
RGL Rider			-
Total Adjustments			(233,533)
Rider Charges			
Current	\$ 0.02597		
Proposed	\$ 0.01127		

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%	\$ 40,085	31,549	\$ 8,536	27.1%	\$ 43,467	39,341	\$ 4,126	10.5%
600,000	25.0%	3.5%	79,330	62,264	17,066	27.4%	86,095	77,849	8,246	10.6%
900,000	34.6%	7.1%	118,576	92,980	25,596	27.5%	128,722	116,356	12,366	10.6%
1,250,000	48.1%	14.7%	164,362	128,814	35,547	27.6%	178,454	161,281	17,173	10.6%
1,720,000	55.8%	20.3%	225,846	176,935	48,911	27.6%	245,237	221,609	23,628	10.7%
1,908,909	67.3%	31.0%	250,558	196,276	54,282	27.7%	272,079	245,857	26,222	10.7%
2,390,000	76.9%	41.9%	313,493	245,532	67,961	27.7%	340,438	307,609	32,829	10.7%
2,990,000	86.5%	56.0%	391,984	306,963	85,021	27.7%	425,693	384,624	41,069	10.7%
3,740,000	92.3%	66.0%	490,096	383,751	106,346	27.7%	532,261	480,892	51,369	10.7%
4,680,000	94.2%	70.2%	613,065	479,992	133,073	27.7%	665,827	601,548	64,279	10.7%

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

Base Revenues

Target Base Rates	13,797,729
Current Base Rates	10,747,110
\$ Difference	3,050,619
% Difference	28.4%

	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	\$0.09753	31,395,189	3,061,964
Next 200 Hours - Winter	\$0.08055	28,129,151	2,265,904
All Additional - Winter	\$0.07992	9,764,617	780,343
First 150 Hours - Summer	\$0.11262	16,256,539	1,830,759
Next 200 Hours - Summer	\$0.08875	15,074,350	1,337,820
All Additional - Summer	\$0.08031	6,279,068	504,279
Facility Demand kW - Winter	\$2.65	287,521	763,343
Billed Demand kW - Winter	\$8.71	221,351	1,926,871
Facility Demand kW - Summer	\$2.65	151,422	402,012
Billed Demand kW - Summer	\$11.17	115,030	1,284,707
Other Adjustments			(233,533)
Off Peak Credit	(0.0049)	35,465,522	(173,781)

Alternative: Time-Variant Demand Charges

Winter	\$ 13.46	143,125	1,926,871
Summer	\$ 62.23	20,644	1,284,707

Revenue at Proposed Rates			\$ 13,797,729
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Empire District Electric (MISSOURI)
Time Choice Small Primary Rate Design

Current Rates			
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
Adjustments			
Minimum Adjustment			(142,647)
Transformer Ownership			(90,886)
Interruptible Credit			-
RGL Rider			-
Total Adjustments			(233,533)
Rider Charges			106,898,914
Current	\$ 0.02573		
Proposed	\$ 0.01127		

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%	\$ 10,651	8,494	\$ 2,157	25.4%	\$ 11,497	10,424	\$ 1,073	10.3%
100,000	5.8%	0.2%	13,922	11,048	2,874	26.0%	15,049	13,621	1,428	10.5%
250,000	13.5%	0.9%	33,544	26,368	7,176	27.2%	36,363	32,802	3,561	10.9%
350,000	15.4%	1.2%	46,626	36,582	10,044	27.5%	50,572	45,589	4,983	10.9%
1,720,000	55.8%	20.3%	225,846	176,510	49,336	28.0%	245,237	220,771	24,466	11.1%
1,908,909	67.3%	31.0%	250,558	195,805	54,754	28.0%	272,079	244,927	27,152	11.1%
2,390,000	76.9%	41.9%	313,493	244,942	68,551	28.0%	340,438	306,445	33,993	11.1%
1,250,000	48.1%	14.7%	164,362	128,505	35,856	27.9%	178,454	160,672	17,782	11.1%
2,500,000	76.9%	41.9%	327,883	256,177	71,706	28.0%	356,068	320,510	35,558	11.1%
5,000,000	96.2%	74.9%	654,926	511,520	143,406	28.0%	711,296	640,187	71,109	11.1%

Empire District Electric (MISSOURI)
Large Power Rate Design

Base Revenues

Target Base Rates	87,278,041
Current Base Rates	68,189,555
\$ Difference	19,088,486
% Difference	28.0%

	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
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Proposed Rates

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	\$ 17.43	1,056,146	18,407,023
Facility Demand kW - Summer	\$ 1.88	605,229	1,137,831
Billed Demand kW - Summer	\$ 31.58	574,545	18,145,106
Other Adjustments			-

Alternative: Time-Variant Demand Charges

Winter	\$ 17.83	1,032,638	18,407,023
Summer	\$ 72.28	251,029	18,145,106

Revenue at Proposed Rates			\$ 87,278,041
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Empire District Electric (MISSOURI)
Large Power Rate Design

Current Rates			
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

Adjustments	
Minimum Adjustment	-
Transformer Ownership	-
Interruptible Credit	-
RGL Rider	-
Total Adjustments	-

Rider Charges	
Current	\$ 0.02460
Proposed	\$ 0.01127

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%	\$ 395,608	309,757	\$ 85,850	27.7%	\$ 436,194	398,312	\$ 37,882	9.5%
5,000,000	14.3%	3.8%	547,938	428,895	119,043	27.8%	604,308	551,888	52,420	9.5%
10,000,000	42.9%	16.3%	1,091,977	854,388	237,589	27.8%	1,204,717	1,100,374	104,342	9.5%
15,000,000	54.8%	24.9%	1,636,015	1,279,880	356,135	27.8%	1,805,125	1,648,860	156,265	9.5%
18,125,623	66.7%	36.6%	1,976,107	1,545,866	430,240	27.8%	2,180,455	1,991,732	188,723	9.5%
30,000,000	88.1%	64.6%	3,268,130	2,556,358	711,772	27.8%	3,606,350	3,294,317	312,033	9.5%
75,000,000	97.6%	89.2%	8,164,475	6,385,791	1,778,683	27.9%	9,010,025	8,230,689	779,335	9.5%

Empire District Electric (MISSOURI)
TS Rate Design

Base Revenues

Target Base Rates	5,330,992
Current Base Rates	4,294,509
\$ Difference	1,036,483
% Difference	24.1%

	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
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Proposed Rates			
Customer Charge	\$ 275.00	12	\$ 3,300
On-Peak Period kWh - Winter	\$0.04762	21,317,701	1,015,209
Shoulder Period kWh - Winter	\$0.00000	-	-
Off-Peak Period kWh - Winter	\$0.03894	24,288,450	945,865
On-Peak Period kWh - Summer	\$0.06848	4,422,709	302,884
Shoulder Period kWh - Summer	\$0.05469	6,287,780	343,858
Off-Peak Period kWh - Summer	\$0.04146	11,615,686	481,643
Facility Demand kW - Winter	\$0.65	65,769	42,674
Billed Demand kW - Winter	\$22.51	65,648	1,477,974
Facility Demand kW - Summer	\$0.65	32,072	20,810
Billed Demand kW - Summer	\$33.13	32,072	1,062,487
Other Adjustments			(365,712)
Revenue at Proposed Rates			\$ 5,330,992

Current Rates			
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			(365,712)
Revenue at Current Rates			\$ 4,288,160
Adjustments			
Minimum Adjustment			-
Transformer Ownership			-
Interruptible Credit			(365,712)
Total Adjustments			(365,712)
Rider Charges			
Current	\$	0.02548	
Proposed	\$	0.01127	

Empire District Electric (MISSOURI)
Miscellaneous Service (MS)

Base Revenues

Target Base Rates	18,688
Current Base Rates	14,995
\$ Difference	3,693
% Difference	24.6%

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

Miscellaneous Service (MS)	Rate	Units	Revenues
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Proposed Rates			
Customer Charge	\$ 21.00	25	\$ 525
All Usage	\$0.13401	135,540	18,163
Other Adjustments			-
Revenue at Proposed Rates			\$ 18,688

Current Rates			
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

Adjustments			
Minimum Adjustment			-
Total Other Adjustments			-

Rider Charges		135,540
Current	\$ 0.02476	
Proposed	\$ 0.01047	

Empire District Electric (MISSOURI)
Street Lighting Rate Design

Base Revenues

Target Base Rates	3,421,336
Current Base Rates	2,306,516
\$ Difference	1,114,820
% Difference	48.3%

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			
Incandescent Lamp Sizes			
4,000 Lumen	\$ 67.46	\$ 31.42	98.88
Mercury Vapor Lamp Sizes			
7,000 Lumen Mercury	\$ 91.62	\$ 42.67	134.29
11,000 Lumen Mercury	\$ 109.95	\$ 51.20	161.15
20,000 Lumen Mercury	\$ 157.41	\$ 73.31	230.72
53,000 Lumen Mercury	\$ 265.58	\$ 123.68	389.26
High Pressure Sodium Vapor Lamp Sizes			
6,000 Lumen HP Sodium	\$ 85.85	\$ 39.98	125.83
16,000 Lumen HP Sodium	\$ 107.46	\$ 50.04	157.50
27,500 Lumen HP Sodium	\$ 139.85	\$ 65.13	204.98
50,000 Lumen HP Sodium	\$ 199.31	\$ 92.82	292.13
130,000 Lumen HP Sodium	\$ 321.64	\$ 149.79	471.43
Metal Halide Lamp Sizes			
12,000 Lumen MetalH	\$ 134.35	\$ 62.57	196.92
20,500 Lumen MetalH	\$ 164.64	\$ 76.67	241.31
36,000 Lumen MetalH	\$ 220.24	\$ 102.57	322.81
110,000 Lumen MetalH	\$ 508.78	\$ 236.94	745.72
LED Lamps			
7,500-9,500 LED	\$ 74.03	\$ 34.48	108.51
13,000-16,000 LED	\$ 100.02	\$ 46.58	146.60
19,000-22,000 LED	\$ 148.35	\$ 69.09	217.44

Rider Charges	
Current	\$ 0.02522
Proposed	\$ 0.01047

Empire District Electric (MISSOURI)
Private Lighting Rate Design

Base Revenues

Target Base Rates	5,197,663
Current Base Rates	<u>4,184,760</u>
\$ Difference	1,012,903
% Difference	24.2%

kWh Usage

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

Private Lighting - PL Rate Design	Current Charges	Proposed Increase	Proposed Charges
Installation Charge: Standard Street Lighting			
Mercury Vapor Lamp Sizes			
6,800 Lumen Std Mercury	\$ 16.49	\$ 3.77	20.26
20,000 Lumen Std Mercury	27.44	6.27	33.71
54,000 Lumen Std Mercury	52.59	12.01	64.60
Sodium Vapor Lamp Sizes			
6,000 Lumen Std Sodium	15.22	3.48	18.70
16,000 Lumen Std Sodium	22.14	5.06	27.20
27,500 Lumen Std Sodium	32.02	7.31	39.33
50,000 Lumen Std Sodium	37.14	8.48	45.62
Metal Halide Lamp Sizes			
12,000 Lumen Std MetalH	25.67	5.86	31.53
20,500 Lumen Std MetalH	34.27	7.83	42.10
36,000 Lumen Std MetalH	38.44	8.78	47.22
Installation Charge: Standard Flood Lighting			
Mercury Vapor Lamp Sizes			
20,000 Lumen Mercury FL	38.44	8.78	47.22
54,000 Lumen Mercury FL	63.47	14.50	77.97
Sodium Vapor Lamp Sizes			
27,500 Lumen Sodium FL	37.25	8.51	45.76
50,000 Lumen Sodium FL	51.09	11.67	62.76
140,000 Lumen Sodium FL	74.65	17.05	91.70
Metal Halide Lamp Sizes			
12,000 Lumen MetalH FL	26.63	6.08	32.71
20,500 Lumen MetalH FL	35.27	8.06	43.33
36,000 Lumen MetalH FL	52.00	11.88	63.88
110,000 Lumen MetalH FL	75.99	17.36	93.35
LED Lamps			
4,000-5,000 LED	NA		11.13
7,500-9,500 LED	15.22	3.48	18.70
13,000-16,000 LED	22.14	5.06	27.20
16,000-19,000 LED	37.25	8.51	45.76
28,000-32,000 LED	51.09	11.67	62.76
Additional Charges			
Regular Wood Pole	2.03	0.46	2.49
Transformer	2.03	0.46	2.49
Guy and Anchor	2.03	0.46	2.49
Conductor	0.02	0.00	0.02
Rider Charges			
Current	\$ 0.02482		
Proposed	\$ 0.01047		

Empire District Electric (MISSOURI)
Special Lighting Rate Design

Base Revenues

Target Base Rates	201,050
Current Base Rates	127,321
\$ Difference	73,729
% Difference	57.9%

	kWh Usage	
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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Proposed Rates			
Customer Charge	\$ -	1,458	\$ -
1st Block kWh	\$0.30019	392,264	117,755
2nd Block kWh	\$0.23279	292,688	68,135
Other Adjustments			15,159

Revenue at Proposed Rates		\$	201,050
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Current Rates			
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
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Adjustments		
Minimum Adjustment		15,159
Total Other Adjustments		15,159

Rider Charges	
Current	\$ 0.02435
Proposed	\$ 0.01047

COMMUNITY SOLAR PILOT PROGRAM (Schedule CSPP)

Rate Class	Electric Grid Charges (Proposed)	Electric Grid Charges (Current)	Increase / (Decrease) \$	Increase / (Decrease) %
Residential Service	\$ 0.05781	\$ 0.04377	\$ 0.01404	32.07%
General Service	\$ 0.05137	\$ 0.03908	\$ 0.01229	31.45%
Large General Service	\$ 0.00766	\$ 0.00586	\$ 0.00180	30.72%
Small Primary Service	\$ 0.00738	\$ 0.00575	\$ 0.00163	28.28%
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	
Monthly Rates					
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	\$ 0.19774	\$ 0.19774	
Additional kWh	\$ 0.14031	\$ 0.11651	\$ 0.16837	\$ 0.13981	
Off Peak Discount Rider	\$ (0.02000)	\$ (0.02000)	\$ (0.02000)	\$ (0.02000)	
Usage Charge Revenue					
Time-Based "Peak" Energy Charge	\$ 0.24554	\$ 0.24554	\$ 0.34605	\$ 0.34605	
Time-Based "Shoulder" Energy Charge	\$ 0.17539	\$ 0.17539	\$ 0.24718	\$ 0.24718	
Time-Based "Off-Peak" Energy Charge	\$ 0.03508	\$ 0.03508	\$ 0.04944	\$ 0.04944	

Ready Charge Pilot Program (Schedule RCPP)		
	Current Rates	Proposed Rates
Monthly Rates		
Customer Access Charge		
NS-GS, TC-GS	\$ 23.97	\$ 24.00
NS-LG, TC-LG, NS-SP, TC-SP	\$ 69.49	\$ 70.00
RCPP Monthly Participation Fee		
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	
For Customers on Non-Time Varying Rates					
Demand Charges					
NS-GS					
NS-LG	\$ 8.93	\$ 6.96	\$ 11.67	\$ 9.10	
NS-SP	\$ 8.75	\$ 6.82	\$ 11.18	\$ 8.71	
Facilities Charges					
NS-GS					
NS-LG	\$ 2.13	\$ 2.13	\$ 2.78	\$ 2.78	
NS-SP	\$ 2.08	\$ 2.08	\$ 2.66	\$ 2.66	
Energy Charges					
NS-GS					
First 700 kWh	\$ 0.13429	\$ 0.13429	\$ 0.19228	\$ 0.19228	
Additional kWh	\$ 0.13429	\$ 0.12020	\$ 0.16983	\$ 0.15201	
NS-LG					
First 150 Metered Demand	\$ 0.08941	\$ 0.07676	\$ 0.11685	\$ 0.10032	
Next 200 Metered Demand	\$ 0.06939	\$ 0.06253	\$ 0.09069	\$ 0.08172	
Additional kWh	\$ 0.06231	\$ 0.06198	\$ 0.08143	\$ 0.08100	
NS-SP					
First 150 Metered Demand	\$ 0.08767	\$ 0.07527	\$ 0.11202	\$ 0.09617	
Next 200 Metered Demand	\$ 0.06804	\$ 0.06131	\$ 0.08694	\$ 0.07834	
Additional kWh	\$ 0.06110	\$ 0.06077	\$ 0.07807	\$ 0.07765	
Company-Approved Charger Usage					
	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	
For Customers on Time Varying Rates					
Demand Charges					
TC-GS					
TC-LG	\$ 8.93	\$ 6.96	\$ 11.63	\$ 9.06	
TC-SP	\$ 8.75	\$ 6.82	\$ 11.17	\$ 8.71	
Facilities Charges					
TC-GS					
TC-LG	\$ 2.13	\$ 2.13	\$ 2.77	\$ 2.77	
TC-SP	\$ 2.08	\$ 2.08	\$ 2.65	\$ 2.65	
Energy Charges					
TC-GS					
First 700 kWh	\$ 0.13892	\$ 0.13892	\$ 0.19665	\$ 0.19665	
Additional kWh	\$ 0.13892	\$ 0.12624	\$ 0.17421	\$ 0.15831	
Off-Peak kWh Credit	\$ (0.00200)	\$ (0.00200)	\$ (0.02000)	\$ (0.02000)	
TC-LG					
First 150 Metered Demand	\$ 0.08998	\$ 0.07793	\$ 0.11714	\$ 0.10145	
Next 200 Metered Demand	\$ 0.07091	\$ 0.06436	\$ 0.09231	\$ 0.08379	
Additional kWh	\$ 0.06417	\$ 0.06385	\$ 0.08354	\$ 0.08312	
Off-Peak kWh Credit	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	
TC-SP					
First 150 Metered Demand	\$ 0.08823	\$ 0.07641	\$ 0.11262	\$ 0.09753	
Next 200 Metered Demand	\$ 0.06953	\$ 0.06311	\$ 0.08875	\$ 0.08055	
Additional kWh	\$ 0.06292	\$ 0.06261	\$ 0.08031	\$ 0.07992	
Off-Peak kWh Credit	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	
Company-Approved Charger Usage					
	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	
Monthly Rates					
Customer Access Charge					
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
CEPP Monthly Participation Fee					
L2 Charger	\$	199.38		\$	199.38
		Current Rates		Proposed Rates	
		Summer	Winter	Summer	Winter
For Customers on Non-Time Varying Rates					
Demand Charges					
NS-GS					
NS-LG	\$	8.93	\$ 6.96	\$ 11.67	\$ 9.10
NS-SP	\$	8.75	\$ 6.82	\$ 11.18	\$ 8.71
LP	\$	18.61	\$ 10.27	\$ 31.58	\$ 17.43
Facilities Charges					
NS-GS					
NS-LG	\$	2.13	\$ 2.13	\$ 2.78	\$ 2.78
NS-SP	\$	2.08	\$ 2.08	\$ 2.66	\$ 2.66
LP	\$	1.88	\$ 1.88	\$ 1.88	\$ 1.88
Energy Charges					
NS-GS					
First 700 kWh	\$	0.13429	\$ 0.13429	\$ 0.19228	\$ 0.19228
Additional kWh	\$	0.13429	\$ 0.12020	\$ 0.16983	\$ 0.15201
NS-LG					
First 150 Metered Demand	\$	0.08941	\$ 0.07676	\$ 0.11685	\$ 0.10032
Next 200 Metered Demand	\$	0.06939	\$ 0.06253	\$ 0.09069	\$ 0.08172
Additional kWh	\$	0.06231	\$ 0.06198	\$ 0.08143	\$ 0.08100
NS-SP					
First 150 Metered Demand	\$	0.08767	\$ 0.07527	\$ 0.11202	\$ 0.09617
Next 200 Metered Demand	\$	0.06804	\$ 0.06131	\$ 0.08694	\$ 0.07834
Additional kWh	\$	0.06110	\$ 0.06077	\$ 0.07807	\$ 0.07765
LP					
First 350 Metered Demand	\$	0.06790	\$ 0.05995	\$ 0.06790	\$ 0.05995
Next 200 Metered Demand	\$	0.03528	\$ 0.03394	\$ 0.05540	\$ 0.04745
EV Consumption Rate Riders					
Time-Based "Peak" Energy Charge					
NS-GS	\$	0.01343	\$ 0.01343	\$ 0.01923	\$ 0.01923
NS-LG	\$	0.00894	\$ 0.00768	\$ 0.01169	\$ 0.01003
NS-SP	\$	0.00877	\$ 0.00753	\$ 0.01120	\$ 0.00962
LP	\$	0.00679	\$ 0.00600	\$ 0.00679	\$ 0.00600
Time-Based "Shoulder" Energy Charge					
NS-GS	\$	-	\$ -	\$ -	\$ -
NS-LG	\$	-	\$ -	\$ -	\$ -
NS-SP	\$	-	\$ -	\$ -	\$ -
LP	\$	-	\$ -	\$ -	\$ -
Time-Based "Off-Peak" Energy Charge					
NS-GS	\$	(0.10034)	\$ (0.10034)	\$ (0.14421)	\$ (0.14421)
NS-LG	\$	(0.05546)	\$ (0.04281)	\$ (0.08764)	\$ (0.07524)
NS-SP	\$	(0.05372)	\$ (0.04132)	\$ (0.08401)	\$ (0.07213)
LP	\$	(0.03395)	\$ (0.02600)	\$ (0.05093)	\$ (0.04496)

Commercial Electrification Pilot Plan (Schedule CEPP)					
	Current Rates		Proposed Rates		
	Summer	Winter	Summer	Winter	
For Customers on Time Varying Rates					
Demand Charges					
TC-GS					
TC-LG	\$ 8.93	\$ 6.96	\$ 11.63	\$ 9.06	
TC-SP	\$ 8.75	\$ 6.82	\$ 11.17	\$ 8.71	
Facilities Charges					
TC-GS					
TC-LG	\$ 2.13	\$ 2.13	\$ 2.77	\$ 2.77	
TC-SP	\$ 2.08	\$ 2.08	\$ 2.65	\$ 2.65	
Energy Charges					
TC-GS					
First 700 kWh	\$ 0.13892	\$ 0.13892	\$ 0.19665	\$ 0.19665	
Additional kWh	\$ 0.13892	\$ 0.12624	\$ 0.17421	\$ 0.15831	
Off-Peak kWh Credit	\$ (0.00200)	\$ (0.00200)	\$ (0.02000)	\$ (0.02000)	
TC-LG					
First 150 Metered Demand	\$ 0.08998	\$ 0.07793	\$ 0.11714	\$ 0.10145	
Next 200 Metered Demand	\$ 0.07091	\$ 0.06436	\$ 0.09231	\$ 0.08379	
Additional kWh	\$ 0.06417	\$ 0.06385	\$ 0.08354	\$ 0.08312	
Off-Peak kWh Credit	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	
TC-SP					
First 150 Metered Demand	\$ 0.08823	\$ 0.07641	\$ 0.11262	\$ 0.09753	
Next 200 Metered Demand	\$ 0.06953	\$ 0.06311	\$ 0.08875	\$ 0.08055	
Additional kWh	\$ 0.06292	\$ 0.06261	\$ 0.08031	\$ 0.07992	
Off-Peak kWh Credit	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	
EV Consumption Rate Riders					
Time-Based "Peak" Energy Charge					
TC-GS	\$ 0.01389	\$ 0.01389	\$ 0.01967	\$ 0.01967	
TC-LG	\$ 0.00900	\$ 0.00779	\$ 0.01171	\$ 0.01015	
TC-SP	\$ 0.00882	\$ 0.00764	\$ 0.01126	\$ 0.00975	
Time-Based "Shoulder" Energy Charge					
TC-GS	\$ -	\$ -	\$ -	\$ -	
TC-LG	\$ -	\$ -	\$ -	\$ -	
TC-SP	\$ -	\$ -	\$ -	\$ -	
Time-Based "Off-Peak" Energy Charge					
TC-GS	\$ (0.10497)	\$ (0.10497)	\$ (0.14749)	\$ (0.14749)	
TC-LG	\$ (0.05603)	\$ (0.04398)	\$ (0.08785)	\$ (0.07609)	
TC-SP	\$ (0.05428)	\$ (0.04246)	\$ (0.08446)	\$ (0.07315)	

Electric School Bus Pilot Program (Schedule ESBPP)					
	Current Rates		Proposed Rates		
Monthly Rates					
Customer Access Charge					
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	
For Customers on Non-Time Varying Rates					
Demand Charges					
NS-GS					
NS-LG	\$	8.93	\$	6.96	\$ 11.67 \$ 9.10
NS-SP	\$	8.75	\$	6.82	\$ 11.18 \$ 8.71
Facilities Charges					
NS-GS					
NS-LG	\$	2.13	\$	2.13	\$ 2.78 \$ 2.78
NS-SP	\$	2.08	\$	2.08	\$ 2.66 \$ 2.66
Energy Charges					
NS-GS					
First 700 kWh	\$	0.13429	\$	0.13429	\$ 0.19228 \$ 0.19228
Additional kWh	\$	0.13429	\$	0.12020	\$ 0.16983 \$ 0.15201
NS-LG					
First 150 Metered Demand	\$	0.08941	\$	0.07676	\$ 0.11685 \$ 0.10032
Next 200 Metered Demand	\$	0.06939	\$	0.06253	\$ 0.09069 \$ 0.08172
Additional kWh	\$	0.06231	\$	0.06198	\$ 0.08143 \$ 0.08100
NS-SP					
First 150 Metered Demand	\$	0.08767	\$	0.07527	\$ 0.11202 \$ 0.09617
Next 200 Metered Demand	\$	0.06804	\$	0.06131	\$ 0.08694 \$ 0.07834
Additional kWh	\$	0.06110	\$	0.06077	\$ 0.07807 \$ 0.07765
EV Consumption Rate Riders					
Time-Based "Peak" Energy Charge					
NS-GS	\$	0.02014	\$	0.02014	\$ 0.02884 \$ 0.02884
NS-LG	\$	0.01341	\$	0.01151	\$ 0.01753 \$ 0.01505
NS-SP	\$	0.01315	\$	0.01129	\$ 0.01680 \$ 0.01443
Time-Based "Shoulder" Energy Charge					
NS-GS	\$	0.01343	\$	0.01343	\$ 0.01923 \$ 0.01923
NS-LG	\$	0.00894	\$	0.00768	\$ 0.01169 \$ 0.01003
NS-SP	\$	0.00877	\$	0.00753	\$ 0.01120 \$ 0.00962
Time-Based "Off-Peak" Energy Charge					
NS-GS	\$	(0.10034)	\$	(0.10034)	\$ (0.14421) \$ (0.14421)
NS-LG	\$	(0.05546)	\$	(0.04281)	\$ (0.08764) \$ (0.07524)
NS-SP	\$	(0.05372)	\$	(0.04132)	\$ (0.08401) \$ (0.07213)

Electric School Bus Pilot Program (Schedule ESBPP)					
	Current Rates		Proposed Rates		
	Summer	Winter	Summer	Winter	
For Customers on Time Varying Rates					
Demand Charges					
TC-GS					
TC-LG	\$ 8.93	\$ 6.96	\$ 11.63	\$ 9.06	
TC-SP	\$ 8.75	\$ 6.82	\$ 11.17	\$ 8.71	
Facilities Charges					
TC-GS					
TC-LG	\$ 2.13	\$ 2.13	\$ 2.77	\$ 2.77	
TC-SP	\$ 2.08	\$ 2.08	\$ 2.65	\$ 2.65	
Energy Charges					
TC-GS					
First 700 kWh	\$ 0.13892	\$ 0.13892	\$ 0.19665	\$ 0.19665	
Additional kWh	\$ 0.13892	\$ 0.12624	\$ 0.17421	\$ 0.15831	
Off-Peak kWh Credit	\$ (0.00200)	\$ (0.00200)	\$ (0.02000)	\$ (0.02000)	
TC-LG					
First 150 Metered Demand	\$ 0.08998	\$ 0.07793	\$ 0.11714	\$ 0.10145	
Next 200 Metered Demand	\$ 0.07091	\$ 0.06436	\$ 0.09231	\$ 0.08379	
Additional kWh	\$ 0.06417	\$ 0.06385	\$ 0.08354	\$ 0.08312	
Off-Peak kWh Credit	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	\$ (0.00500)	
TC-SP					
First 150 Metered Demand	\$ 0.08823	\$ 0.07641	\$ 0.11262	\$ 0.09753	
Next 200 Metered Demand	\$ 0.06953	\$ 0.06311	\$ 0.08875	\$ 0.08055	
Additional kWh	\$ 0.06292	\$ 0.06261	\$ 0.08031	\$ 0.07992	
Off-Peak kWh Credit	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	\$ (0.00490)	
EV Consumption Rate Riders					
Time-Based "Peak" Energy Charge					
TC-GS	\$ 0.02084	\$ 0.02084	\$ 0.02950	\$ 0.02950	
TC-LG	\$ 0.01350	\$ 0.01169	\$ 0.01757	\$ 0.01522	
TC-SP	\$ 0.01323	\$ 0.01146	\$ 0.01689	\$ 0.01463	
Time-Based "Shoulder" Energy Charge					
TC-GS	\$ 0.01389	\$ 0.01389	\$ 0.01967	\$ 0.01967	
TC-LG	\$ 0.00900	\$ 0.00779	\$ 0.01171	\$ 0.01015	
TC-SP	\$ 0.00882	\$ 0.00779	\$ 0.01126	\$ 0.00975	
Time-Based "Off-Peak" Energy Charge					
TC-GS	\$ (0.10497)	\$ (0.10497)	\$ (0.14749)	\$ (0.14749)	
TC-LG	\$ (0.05603)	\$ (0.04398)	\$ (0.08785)	\$ (0.07609)	
TC-SP	\$ (0.05428)	\$ (0.04246)	\$ (0.08446)	\$ (0.07315)	

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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									
Customer Charges																		
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		
Billing Determinants																		
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	\$	1,741,947	\$	320,291,800	\$	167,932	\$	2,741,804	\$	74,747,152	\$	2,268	\$	27,152,465	\$	121,556,975
Customer Costs																		
Basic customer costs	\$	67,690,079	\$	233,547	\$	51,885,421	\$	(160,981)	\$	424,902	\$	8,674,872	\$	1,542	\$	214,663	\$	1,325,407
\$ per customer	\$	33.90	\$	34.32	\$	30.81	\$	(181.28)	\$	36.65	\$	33.99	\$	42.83	\$	56.08	\$	45.96
Fully-loaded customer costs	\$	103,450,654	\$	335,289	\$	81,840,927	\$	48,413	\$	587,957	\$	11,979,659	\$	1,813	\$	250,593	\$	1,371,919
\$ per customer	\$	51.81	\$	49.28	\$	48.59	\$	54.52	\$	50.72	\$	46.94	\$	50.37	\$	65.46	\$	47.58
Revenue Requirement																		
Revenue Requirement	\$	668,375,888	\$	1,741,947	\$	320,291,800	\$	167,932	\$	2,741,804	\$	74,747,152	\$	2,268	\$	27,152,465	\$	121,556,975
\$ per customer	\$	334.71	\$	256.02	\$	190.17	\$	189.11	\$	236.53	\$	292.86	\$	63.01	\$	7,093.12	\$	4,215.46
\$ per MWh	\$	1,582.04	\$	1,921.13	\$	1,839.85	\$	1,826.01	\$	1,916.65	\$	1,844.91	\$	3,638.37	\$	1,374.18	\$	1,426.12

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Empire District Electric (MISSOURI)										
Summary of Costs										
	Small Prim	Small Prim	Large Power	Transmission	Misc. Service	Municipal Lts	Private Lts	Spec Lts		
	NS-SP	TC-SP	LP	TS	MS	SPL	PL	LS		
Customer Charges										
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		
Billing Determinants										
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	\$ 12,669,799	\$ 1,799,107	\$ 89,047,549	\$ 6,466,645	\$ 18,809	\$ 4,531,768	\$ 5,238,363	\$ 201,505		
Customer Costs										
Basic customer costs	\$ 70,709	\$ 29,424	\$ 488,018	\$ 617,280	\$ 690	\$ 2,439,976	\$ 1,310,022	\$ 134,585		
\$ per customer	\$ 155.06	\$ 136.22	\$ 920.79	\$ 51,439.96	\$ 27.62	\$ 29,047.34	\$ 497.54	\$ 92.31		
Fully-loaded customer costs	\$ 94,554	\$ 33,919	\$ 717,474	\$ 896,724	\$ 917	\$ 3,451,646	\$ 1,682,655	\$ 156,195		
\$ per customer	\$ 207.36	\$ 157.03	\$ 1,353.72	\$ 74,727.04	\$ 36.70	\$ 41,091.02	\$ 639.06	\$ 107.13		
Revenue Requirement										
Revenue Requirement	\$ 12,669,799	\$ 1,799,107	\$ 89,047,549	\$ 6,466,645	\$ 18,809	\$ 4,531,768	\$ 5,238,363	\$ 201,505		
\$ per customer	\$ 27,784.65	\$ 8,329.20	\$ 168,014.24	\$ 538,887.08	\$ 752.35	\$ 53,949.62	\$ 1,989.50	\$ 138.21		
\$ per MWh	\$ 1,320.70	\$ 1,640.58	\$ 1,112.33	\$ 951.92	\$ 1,387.69	\$ 2,684.84	\$ 4,580.27	\$ 2,941.88		

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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	
CUSTOMER COSTS										
Customer Costs										
Plant										
(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	
Total Customer-Related Plant	548,615,866	1,703,855	420,053,959	274,606	3,307,716	61,939,053	11,520	1,447,398	9,759,804	
Accumulated Depreciation										
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)	
Total Accumulated Depreciation	(231,092,073)	(718,816)	(177,434,281)	(110,009)	(1,370,021)	(25,319,751)	(4,989)	(545,322)	(4,160,689)	
Net income before taxes & interest										
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	(2,648,035)	6,614	(3,114,197)	(193,674)	21,864	504,912	232	3,900	41,357	
Net income before taxes & interest	\$ 20,503,560	\$ 78,436	\$ 14,575,918	\$ (181,672)	\$ 163,147	\$ 3,174,933	\$ 708	\$ 69,673	\$ 449,605	

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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	
CUSTOMER COSTS									
Customer Costs									
Plant									
(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	-	-	-	-	
Total Customer-Related Plant	862,957	374,487	5,102,840	20,830	5,798	24,072,044	18,048,778	1,630,221	
Accumulated Depreciation									
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)	-	-	-	-	
Total Accumulated Depreciation	(320,899)	(138,675)	(1,612,646)	(69)	(2,258)	(5,516,873)	(12,806,946)	(1,029,831)	
Net income before taxes & interest									
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	8,905	3,926	53,234	260	69	(107,776)	103,392	18,948	
Net income before taxes & interest	\$ 48,428	\$ 21,120	\$ 307,714	\$ 1,774	\$ 327	\$ 1,245,136	\$ 485,590	\$ 62,724	

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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	
O&M Expenses										
(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	10,716,618	40,790	9,058,206	4,745	47,065	1,068,403	136	53,499	299,410	
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	147	29,379	15	237	6,123	0	1,651	7,492	
Total O&M	29,039,464	98,787	23,402,070	12,330	155,372	3,422,312	471	99,800	574,988	
Depreciation Expense										
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	67,690,079	\$ 233,547	\$ 51,885,421	\$ (160,981)	\$ 424,902	\$ 8,674,872	\$ 1,542	\$ 214,663	\$ 1,325,407	
Number of customers	166,405	567	140,353	74	966	21,269	3	319	2,403	
Monthly basic cost per customer	\$ 33.90	\$ 34.32	\$ 30.81	\$ (181.28)	\$ 36.65	\$ 33.99	\$ 42.83	\$ 56.08	\$ 45.96	

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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	
O&M Expenses									
(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	12,925	4,102	89,290	2,843	102	2,521	28,569	4,014	
Total Customer Service Expenses	1,671	791	1,942	610,409	15	308	9,646	5,341	
Total Sales Expenses	783	112	5,461	395	1	284	346	19	
Total O&M	18,572	6,489	146,552	614,753	199	255,895	213,216	17,658	
Depreciation Expense									
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	\$ 70,709	\$ 29,424	\$ 488,018	\$ 617,280	\$ 690	\$ 2,439,976	\$ 1,310,022	\$ 134,585	
Number of customers	38	18	44	1	2	7	219	122	
Monthly basic cost per customer	\$ 155.06	\$ 136.22	\$ 920.79	\$ 51,439.96	\$ 27.62	\$ 29,047.34	\$ 497.54	\$ 92.31	