

**THE RELATIONSHIP BETWEEN
STAFF RATE CLASSES AND EDE RATE SCHEDULES
CASE NO. ER 2002-424**

	EDE Rate Schedule	Staff Rate Class
RG	Residential Service	Residential
CB	Commercial Service	Small General Service
SH	Small Heating Service	Small General Service
PFM	Feed Mill and Grain Elevator Service	Small General Service
MS	Miscellaneous Service	Small General Service
GP	General Power Service	Large General Service:
TEB	Total Electric Building Service	Large General Service:
LP	Large Power Service	Large Power
SC-P	Special Transmission Service Contract: Praxair	Special Contracts
ST	Special Transmission Service	Special Contracts
PF	Electric Furnace Primary Service	Power Furnace
SPL	Municipal Street Lighting Service	Lighting
PL	Private Lighting Service	Lighting
LS	Special Lighting Service	Lighting

**STAFF PROPOSAL FOR DISTRIBUTION OF REVENUE INCREASE TO CLASSES
AT VARIOUS INCREASES IN OVERALL MISSOURI REVENUE
CASE NO. ER 2002-424**

	RESIDENTIAL	SMALL GS	LARGE GS	LARGE POWER	PRAXAIR	LIGHTING	PWR FURNACE	TOTAL MO
Current Revenues	\$101,523,163	\$32,722,135	\$54,795,176	\$26,067,115	\$2,265,092	\$4,107,974	\$89,783	\$221,570,438
Current % of Revs	45.82%	14.77%	24.73%	11.76%	1.02%	1.85%	0.04%	100.00%
@ \$ 0 increase	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
% rate change	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
@ \$106,274*	\$48,695	\$0	\$26,282	\$26,943	\$2,341	\$1,970	\$43	\$106,274
% rate change	0.05%	0.00%	0.05%	0.10%	0.10%	0.05%	0.05%	0.05%
@ \$1 Million	\$458,198	\$0	\$247,304	\$253,523	\$22,030	\$18,540	\$405	\$1,000,000
% rate change	0.45%	0.00%	0.45%	0.97%	0.97%	0.45%	0.45%	0.45%
@ \$2 Million	\$916,396	\$0	\$494,607	\$507,046	\$44,060	\$37,081	\$810	\$2,000,000
% rate change	0.90%	0.00%	0.90%	1.95%	1.95%	0.90%	0.90%	0.90%
@ \$2,174,891**	\$996,531	\$0	\$537,858	\$551,385	\$47,912	\$40,323	\$881	\$2,174,891
% rate change	0.98%	0.00%	0.98%	2.12%	2.12%	0.98%	0.98%	0.98%
@ \$3 Million	\$1,374,594	\$0	\$741,911	\$760,569	\$66,089	\$55,621	\$1,216	\$3,000,000
% rate change	1.35%	0.00%	1.35%	2.92%	2.92%	1.35%	1.35%	1.35%
@ \$4 Million	\$1,832,793	\$0	\$989,215	\$1,014,092	\$88,119	\$74,161	\$1,621	\$4,000,000
% rate change	1.81%	0.00%	1.81%	3.89%	3.89%	1.81%	1.81%	1.81%
@ \$4,337,539 ***	\$1,987,452	\$0	\$1,072,689	\$1,099,666	\$95,555	\$80,419	\$1,758	\$4,337,539
% rate change	1.96%	0.00%	1.96%	4.22%	4.22%	1.96%	1.96%	1.96%
@ \$5 Million	\$2,290,991	\$0	\$1,236,518	\$1,267,615	\$110,149	\$92,701	\$2,026	\$5,000,000
% rate change	2.26%	0.00%	2.26%	4.86%	4.86%	2.26%	2.26%	2.26%

* Staff Accounting Schedule 1: Overall increase in revenues required at low-end rate of return.

** Staff Accounting Schedule 1: Overall increase in revenues required at mid-point rate of return.

*** Staff Accounting Schedule 1: Overall increase in revenues required at high-end rate of return.

THE EMPIRE DISTRICT ELECTRIC COMPANY - CASE NO. ER-2002-424
CURRENT AND STAFF PROPOSED RATES - BY RATE SCHEDULE
(ASSUMES \$2,174,891 INCREASE IN OVERALL REVENUES)

RESIDENTIAL SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$8.22	\$8.30	\$0.08	0.98%
ENERGY CHARGES				
SUMMER				
FIRST 600 KWH	\$0.0697	\$0.0704	\$0.0007	0.98%
OVER 600 KWH	\$0.0697	\$0.0704	\$0.0007	0.98%
WINTER				
FIRST 600 KWH	\$0.0697	\$0.0704	\$0.0007	0.98%
OVER 600 KWH	\$0.0411	\$0.0415	\$0.0004	0.98%

COMMERCIAL SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$11.74	\$11.74	\$0.00	0.00%
ENERGY CHARGE:				
SUMMER				
FIRST 700 KWH	\$0.0798	\$0.0798	\$0.0000	0.00%
OVER 700 KWH	\$0.0798	\$0.0798	\$0.0000	0.00%
WINTER				
FIRST 700 KWH	\$0.0798	\$0.0798	\$0.0000	0.00%
OVER 700 KWH	\$0.0543	\$0.0543	\$0.0000	0.00%

SMALL HEATING SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$11.74	\$11.74	\$0.00	0.00%
ENERGY CHARGE:				
SUMMER				
FIRST 700 KWH	\$0.0798	\$0.0798	\$0.0000	0.00%
OVER 700 KWH	\$0.0798	\$0.0798	\$0.0000	0.00%
WINTER				
FIRST 700 KWH	\$0.0798	\$0.0798	\$0.0000	0.00%
OVER 700 KWH	\$0.0415	\$0.0415	\$0.0000	0.00%

FEED MILL & GRAIN ELEVATOR

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$17.60	\$17.60	\$0.00	0.00%
ENERGY CHARGE:				
SUMMER				
FIRST 700 KWH	\$0.1021	\$0.1021	\$0.0000	0.00%
OVER 700 KWH	\$0.1021	\$0.1021	\$0.0000	0.00%
WINTER				
FIRST 700 KWH	\$0.1021	\$0.1021	\$0.0000	0.00%
OVER 700 KWH	\$0.0927	\$0.0927	\$0.0000	0.00%

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GENERAL POWER SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE:				
REG MTR BILLS	\$42.61	\$43.03	\$0.42	0.98%
IDR MTR BILLS	\$156.74	\$158.28	\$1.54	0.98%
DEMAND CHARGE:				
SUMMER KW	\$5.80	\$5.86	\$0.06	0.98%
WINTER KW	\$4.53	\$4.57	\$0.04	0.98%
PRIMARY DISCOUNT:				
SUMMER KW	(\$0.201)	(\$0.203)	(\$0.002)	0.98%
WINTER KW	(\$0.201)	(\$0.203)	(\$0.002)	0.98%
ENERGY CHARGE:				
SUMMER				
FIRST 150 HU	\$0.0596	\$0.0602	\$0.0006	0.98%
NEXT 200 HU	\$0.0376	\$0.0380	\$0.0004	0.98%
OVER 350 HU	\$0.0338	\$0.0341	\$0.0003	0.98%
WINTER				
FIRST 150 HU	\$0.0351	\$0.0354	\$0.0003	0.98%
NEXT 200 HU	\$0.0338	\$0.0341	\$0.0003	0.98%
OVER 350 HU	\$0.0330	\$0.0333	\$0.0003	0.98%

TOTAL ELECTRIC BUILDINGS

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE:				
REG MTR BILLS	\$42.61	\$43.03	\$0.42	0.98%
IDR MTR BILLS	\$156.74	\$158.28	\$1.54	0.98%
DEMAND CHARGE:				
SUMMER KW	\$3.63	\$3.67	\$0.04	0.98%
WINTER KW	\$2.98	\$3.01	\$0.03	0.98%
PRIMARY DISCOUNT:				
SUMMER KW	(\$0.201)	(\$0.203)	(\$0.002)	0.98%
WINTER KW	(\$0.201)	(\$0.203)	(\$0.002)	0.98%
ENERGY CHARGE:				
SUMMER				
FIRST 150 HU	\$0.0699	\$0.0706	\$0.0007	0.98%
NEXT 200 HU	\$0.0442	\$0.0446	\$0.0004	0.98%
OVER 350 HU	\$0.0398	\$0.0402	\$0.0004	0.98%
WINTER				
FIRST 150 HU	\$0.0366	\$0.0370	\$0.0004	0.98%
NEXT 200 HU	\$0.0345	\$0.0348	\$0.0003	0.98%
OVER 350 HU	\$0.0333	\$0.0336	\$0.0003	0.98%

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LARGE POWER SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$156.74	\$160.06	\$3.32	2.12%
DEMAND CHARGE:				
SUMMER KW	\$9.27	\$9.47	\$0.20	2.12%
WINTER KW	\$5.12	\$5.23	\$0.11	2.12%
SECONDARY ADDER:				
SUMMER KW	\$0.195	\$0.199	\$0.004	2.12%
WINTER KW	\$0.195	\$0.199	\$0.004	2.12%
ENERGY CHARGE:				
SUMMER				
FIRST 350 HU	\$0.0369	\$0.0377	\$0.0008	2.12%
OVER 350 HU	\$0.0191	\$0.0195	\$0.0004	2.12%
WINTER				
FIRST 350 HU	\$0.0325	\$0.0332	\$0.0007	2.12%
OVER 350 HU	\$0.0183	\$0.0187	\$0.0004	2.12%

SPECIAL TRANSMISSION SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$156.74	\$160.06	\$3.32	2.12%
FACILITIES CHARGE:				
SUMMER KW	\$0.29	\$0.30	\$0.01	2.12%
WINTER KW	\$0.29	\$0.30	\$0.01	2.12%
DEMAND CHARGE:				
SUMMER ON-PEAK KW	\$14.11	\$14.41	\$0.30	2.12%
WINTER ON-PEAK KW	\$9.59	\$9.79	\$0.20	2.12%
ENERGY CHARGE:				
SUMMER				
ON-PEAK KWH	\$0.0281	\$0.0287	\$0.0006	2.12%
SHOULDER KWH	\$0.0223	\$0.0228	\$0.0005	2.12%
OFF-PEAK KWH	\$0.0168	\$0.0172	\$0.0004	2.12%
WINTER				
ON-PEAK KWH	\$0.0194	\$0.0198	\$0.0004	2.12%
OFF-PEAK KWH	\$0.0158	\$0.0161	\$0.0003	2.12%

POWER FURNACE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$0.00	\$0.00	\$0.00	0.00%
ENERGY CHARGE:				
SUMMER KWH	\$0.0493	\$0.0498	\$0.0005	0.98%
WINTER KWH	\$0.0493	\$0.0498	\$0.0005	0.98%

MISCELLANEOUS SERVICE

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
CUSTOMER CHARGE	\$11.74	\$11.74	\$0.00	0.00%
ENERGY CHARGE:				
SUMMER KWH	\$0.0570	\$0.0570	\$0.0000	0.00%
WINTER KWH	\$0.0570	\$0.0570	\$0.0000	0.00%

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PRIVATE LIGHTING

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
STREET LIGHTING LAMPS:				
MERCURY VAPOR				
6800 LUMENS	\$9.13	\$9.22	\$0.09	0.98%
20000 LUMENS	\$15.19	\$15.34	\$0.15	0.98%
54000 LUMENS	\$29.13	\$29.42	\$0.29	0.98%
SODIUM VAPOR				
6000 LUMENS	\$8.43	\$8.51	\$0.08	0.98%
16000 LUMENS	\$12.27	\$12.39	\$0.12	0.98%
27500 LUMENS	\$17.74	\$17.91	\$0.17	0.98%
50000 LUMENS	\$20.58	\$20.78	\$0.20	0.98%
METAL HALIDE				
12000 LUMENS	\$14.22	\$14.36	\$0.14	0.98%
20500 LUMENS	\$18.98	\$19.17	\$0.19	0.98%
36000 LUMENS	\$21.29	\$21.50	\$0.21	0.98%
FLOOD LIGHTING LAMPS:				
MERCURY VAPOR				
20000 LUMENS	\$21.29	\$21.50	\$0.21	0.98%
54000 LUMENS	\$35.16	\$35.51	\$0.35	0.98%
SODIUM VAPOR				
27500 LUMENS	\$20.64	\$20.84	\$0.20	0.98%
50000 LUMENS	\$28.29	\$28.57	\$0.28	0.98%
140000 LUMENS	\$41.34	\$41.75	\$0.41	0.98%
METAL HALIDE				
12000 LUMENS	\$14.61	\$14.75	\$0.14	0.98%
20500 LUMENS	\$19.53	\$19.72	\$0.19	0.98%
36000 LUMENS	\$28.82	\$29.10	\$0.28	0.98%
110000 LUMENS	\$42.10	\$42.51	\$0.41	0.98%
OTHER CHARGES:				
ADDL POLES	\$1.17	\$1.18	\$0.01	0.98%
ADDL ANCHOR	\$1.17	\$1.18	\$0.01	0.98%
ADDL CONDUCTOR	\$0.011	\$0.011	\$0.000	0.98%

MUNICIPAL STREET LIGHTING

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
STREET LIGHTING LAMPS:				
INCANDESCENT				
4000 LUMENS	\$37.90	\$38.27	\$0.37	0.98%
10000 LUMENS	\$78.00	\$78.77	\$0.77	0.98%
MERCURY VAPOR				
7000 LUMENS	\$51.48	\$51.99	\$0.51	0.98%
11000 LUMENS	\$61.79	\$62.40	\$0.61	0.98%
20000 LUMENS	\$88.46	\$89.33	\$0.87	0.98%
53000 LUMENS	\$149.25	\$150.72	\$1.47	0.98%
SODIUM VAPOR				
6000 LUMENS	\$48.24	\$48.71	\$0.47	0.98%
16000 LUMENS	\$60.39	\$60.98	\$0.59	0.98%
27500 LUMENS	\$78.59	\$79.36	\$0.77	0.98%
50000 LUMENS	\$112.02	\$113.12	\$1.10	0.98%
130000 LUMENS	\$180.76	\$182.53	\$1.77	0.98%
METAL HALIDE				
12000 LUMENS	\$75.66	\$76.40	\$0.74	0.98%
20500 LUMENS	\$92.53	\$93.44	\$0.91	0.98%
36000 LUMENS	\$123.77	\$124.98	\$1.21	0.98%
110000 LUMENS	\$273.52	\$276.20	\$2.68	0.98%

SPECIAL LIGHTING

	<u>CURRENT RATES</u>	<u>PROPOSED RATES</u>	<u>DIFFERENCE (\$)</u>	<u>(%)</u>
MINIMUM CHARGE	\$26.99	\$27.25	\$0.26	0.98%
ENERGY CHARGE:				
SUMMER				
FIRST 1000 KWH	\$0.0991	\$0.1001	\$0.0010	0.98%
OVER 1000 KWH	\$0.0774	\$0.0782	\$0.0008	0.98%
WINTER				
FIRST 1000 KWH	\$0.0991	\$0.1001	\$0.0010	0.98%
OVER 1000 KWH	\$0.0774	\$0.0782	\$0.0008	0.98%