

THE EMPIRE DISTRICT ELECTRIC COMPANY

Case No. ER-2004-0570

Illustration of IEC Date Design

Step 1. Billing units

Rate Class Normalized Revenues and Usage

Source: Pyatte Rebuttal Testimony - Revised Schedules 2 & 3

Line	Rate Schedules		Total MO Normalized Revenue (1)	Total MO Normalized kWh (2)
1	Residential	RG	\$ 110,644,795	1,570,086,262
2	Commercial	CB	25,355,478	315,869,227
3	Small Heat	SH	5,864,642	88,077,613
4	Feed Mill/Grain Elev	PFM	96,590	919,621
5	Traffic Signals	MS	44,842	738,546
6	General Power	GP	44,392,981	778,650,814
7	Total Electric Building	TEB	19,671,619	341,355,911
8	Large Power	LP	30,585,036	685,543,807
9	Praxair (Firm) (Trans)	SC-P	2,421,236	67,387,032
10	Elect Furnace Primary	PF	-	-
11	Municipal St. Lighting	SPL	1,100,382	16,132,331
12	Private Lighting	PL	3,021,846	16,155,047
13	Special Lighting	LS	149,164	1,551,631
14	Cogeneration Purchase	CP	(91)	(3,903)
15	Total Missouri Billed		\$ 243,348,520	3,882,463,939
16	Interim Energy Charges			
17	Excess Facilities Charges		1,647,865	
18	Interruptible Credits		(342,912)	
19	Total		\$ 244,653,473	3,882,463,939

Step 2. Determine IEC Rates and Revenues

20	Staff proposed IEC (Mo juris)	\$	16,410,538		
21	Equal per kWh IEC		0.004227	\$/kWh (L20 / L15)	
22	Equal percentage IEC		6.744%	(L20 / L15)	
23	Assign RG, CB & SH on per kWh, LP & Praxair on equal Percentage				
24	Residential	RG	Total kWh 1,570,086,262	IEC Rate 0.004227	IEC Revenue \$ 6,636,497
25	Commercial	CB	315,869,227	0.004227	1,335,127
26	Small Heat	SH	88,077,613	0.004227	372,290
27	Large Power	LP	685,543,807	0.003009	2,062,543 (L8 * L22)
28	Praxair (Firm) (Trans)	SC-P	67,387,032	0.002423	163,279 (L9 * L22)
29	Total 6 classes		2,726,963,941		\$ 10,569,737
30	Remaining classes		1,155,499,998	0.005055	\$ 5,840,801 (L15 - L29)

Step 3. Proof of Revenue

31	Residential	RG	Total kWh 1,570,086,262	IEC Rate 0.004227	IEC Revenue \$ 6,636,497
32	Commercial	CB	315,869,227	0.004227	1,335,127
33	Small Heat	SH	88,077,613	0.004227	372,290
34	Feed Mill/Grain Elev	PFM	919,621	0.005055	4,648
35	Traffic Signals	MS	738,546	0.005055	3,733
36	General Power	GP	778,650,814	0.005055	3,935,911
37	Total Electric Building	TEB	341,355,911	0.005055	1,725,480
38	Large Power	LP	685,543,807	0.003009	2,062,543
39	Praxair (Firm) (Trans)	SC-P	67,387,032	0.002423	163,279
40	Elect Furnace Primary	PF	-		
41	Municipal St. Lighting	SPL	16,132,331	0.005055	81,545
42	Private Lighting	PL	16,155,047	0.005055	81,660
43	Special Lighting	LS	1,551,631	0.005055	7,843
44	Cogeneration Purchase	CP	(3,903)	0.005055	(20)
45	Total Missouri Billed		3,882,463,939		\$ 16,410,538 (matches L20)