

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

Commonwealth Edison Company
Marginal Cost of Delivery Services Study for 2000

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COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

TOTAL MARGINAL DELIVERY SERVICES COSTS FOR 2000

YEAR 2000 TOTAL MARGINAL COSTS

	TRANSMISSION Total \$	DISTRIBUTION Total \$	CUSTOMER Total \$	METERING SERVICE Total \$	TOTAL OF DISTR.IBUTION PLUS CUSTOMER PLUS METERING Total \$
<u>Residential</u>					
Single Family-NO SP HT	118,524,367	643,195,375	247,875,601	51,567,148	942,638,124
Single Family-SP HT	3,312,114	30,363,990	8,251,831	1,167,677	39,783,498
Multi-Family-NO SP HT	24,224,529	130,685,863	64,027,422	24,316,713	219,029,999
Multi-Family-SP HT	6,229,036	46,333,667	11,468,333	3,846,713	61,648,714
Fixture Included Lighting- (Res)	345	77,424	42,739	-	651,845 (1)
<u>Non-Residential</u>					
Watt-hour Only Meter	3,715,044	18,888,835	8,577,390	2,729,245	30,195,469
0-25 kW	18,237,141	84,775,231	11,644,807	9,742,888	106,162,926
25-100 kW	32,362,624	159,065,862	7,370,379	3,535,364	169,971,606
100-400 kW	43,988,678	167,845,605	14,517,879	1,423,252	183,786,737
400-800 kW	30,639,808	110,514,038	3,755,568	557,290	114,826,896
800-1,000 kW	8,841,959	32,117,551	711,110	95,275	32,923,936
1,000-3,000 kW	35,011,678	128,658,745	5,579,814	218,171	134,456,730
3,000-6,000 kW	20,057,364	69,814,671	1,246,967	47,827	71,109,465
6,000-10,000 kW	9,152,966	31,071,506	336,402	12,604	31,420,513
OVER 10,000 kW	27,985,535	59,676,786	348,614	26,496	60,051,896
Fixture -Included Lighting (Non-Res)	4,732	1,089,812	44,255	-	12,258,894 (2)
Street Lighting Dusk to Dawn	18,766	4,279,334	2,141,669	30,534	6,451,537
Street Lighting Other	209,863	1,115,031	246,483	4,647	1,366,161
Railroad	1,685,507	6,736,364	75,029	41,368	6,852,761
Pumping	1,995,762	6,846,600	2,044,433	360,183	9,251,216
Total	386,197,818	1,733,152,289	390,306,727	99,723,397	2,234,838,923
	11,124,827	Non-Res Fixture Cost			
	531,683	Res Fixture Cost			
	11,656,509	Total Fixture Cost			

Notes: (1) Residential Fixture Included Lighting fixture cost is included in total distribution plus customer plus metering cost
(2) Non-Residential Fixture Included Lighting cost is included in total distribution plus customer plus metering cost

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

TRANSMISSION

MARGINAL TRANSMISSION CAPACITY COSTS

	MW LOAD COINCIDENT WITH SYSTEM PEAK (Including Core and Line Losses) (A)	ANNUAL MARGINAL TRANSMISSION CAPACITY COST \$/kW (B)	TOTAL ANNUAL MARGINAL TRANSMISSION COST \$ (C) (A)*(B)
		\$20.31 /kW	
<u>Residential</u>			
Single Family-NO SP HT	5,835.8	20.31	\$118,524,367
Single Family-SP HT	163.1	20.31	\$3,312,114
Multi-Family-NO SP HT	1,192.7	20.31	\$24,224,529
Multi-Family-SP HT	306.7	20.31	\$6,229,036
Fixture-Included Lighting - Residential	0.02	20.31	\$345
<u>Non-Residential</u>			
Watt-hour Only Meter	182.9	20.31	\$3,715,044
0-25 kW	897.9	20.31	\$18,237,141
25-100kW	1,593.4	20.31	\$32,362,624
100-400 kW	2,165.9	20.31	\$43,988,678
400-800 kW	1,508.6	20.31	\$30,639,808
800-1,000 kW	435.4	20.31	\$8,841,959
1,000-3,000 kW	1,723.9	20.31	\$35,011,678
3,000-6,000 kW	987.6	20.31	\$20,057,364
6,000-10,000 kW	450.7	20.31	\$9,152,966
OVER 10 MW	1,377.9	20.31	\$27,985,535
Fixture Included Lighting - Non-Residential	0.233	20.31	\$4,732
Street Lighting Dusk to Dawn	0.9	20.31	\$18,766
Street Lighting Other	10.3	20.31	\$209,863
Railroad	83.0	20.31	\$1,685,507
Pumping	98.3	20.31	\$1,995,762

SOURCE: Load Analysis (Page 6)

Calculation of Transmission Capacity Cost/kW

Cost of Transmission Additions (1994-2003)		\$	533,719,373
Increase in System Peak Load			4,607,000
Transmission Investment Cost per kW		\$	115.85
General Plant Loading Factor	10.9%		12.63
	Total	\$	128.48
ALP Factor	0.1293		
Annual Revenue Requirement per kW		\$	16.61
Annual Transmission O&M/kW		\$	2.87
A&G Applicable to O&M	28.8%	\$	0.83
Total Transmission Capacity Cost per kW - 2000 \$s		\$	20.31

Increase in System Peak Load

2003 Forecasted Peak Load (kW)	22,833,000
1993 Weather Adjusted Peak Load (kW)	18,226,000
Increase in System Peak Load (kW)	4,607,000

COST OF DEMAND RELATED TRANSMISSION PROJECTS
2000 Dollars

Source: Transmission Planning memorandum to Rate Department

For: 2000 Marginal Cost of Delivery Services Study

Transmission Expenditures				Annual esc.	0.0%
Year	Handy Whitman Index July - Line 33 NC Region	Actual \$ Spent	Estimated Budget Nominal \$	Mid-2000 \$	'Mid 00 \$s
1994	334	25,013,000		29,431,464	29,431,464
1995	350	26,620,000		29,890,457	29,890,457
1996	356	13,780,000		15,212,191	15,212,191
1997	362	41,305,000		44,842,169	44,842,169
1998	374	42,006,070		44,140,068	44,140,068
1999	369	42,420,000		45,179,024	45,179,024
2000	393	69,022,000			69,022,000
2001			63,435,000		63,435,000
2002			101,874,000		101,874,000
2003			90,693,000		90,693,000
Total					533,719,373

Transmission O&M Expenses - Year 2000

	\$
Operation Accounts	
560 Operation Supv. & Eng.	16,174,979
561 Load Disp.	8,623,076
562 Station Expenses	1,229,278
563 Overhead Line Expenses	45,866
564 Undgrd. Line Expenses	4,536
566 Misc Trans. Expense	2,457,158
Maint. Accts	
568 Maint. Supv. & Eng.	4,750,896
569 Maint. Of Structures	-
570 Maint. Of Station Equip.	15,096,053
571 Maint. Of Ovhd Lines	7,751,666
572 Maint. Of Undgrd. Lines	1,758,518
Total	57,892,026
2000 Trans Pk Load (kW)	20,143,000
Trans. O&M/kW - 2000	2.87
Esc to year end 2000	2.87

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

DISTRIBUTION

2000 MARGINAL DISTRIBUTION COSTS

	<u>SOLD MW</u>		<u>MARGINAL DISTRIBUTION COST (\$/kW)</u>		<u>ANNUAL DISTRIBUTION</u>
	<u>COINCIDENT WITH SYSTEM PEAK</u> (A)	<u>NON-COINC CLASS PEAK</u> (B)	<u>COINCIDENT PORTION</u> (C)	<u>NON-COINCIDENT PORTION</u> (D)	<u>CAPACITY COSTS</u> <u>\$s</u> (E) (A)*(C) + (B)*(D)
<u>Residential</u>					
Single Family-NO SP HT	5276.2	6539.9	75.56	37.39	\$643,195,375
Single Family-SP HT	152.0	334.4	116.43	37.89	\$30,363,990
Multi-Family-NO SP HT	1067.8	1193.5	83.15	35.11	\$130,685,863
Multi-Family-SP HT	283.9	715.7	78.21	33.72	\$46,333,667
Fixture Included Lighting - Residential	0.0	2.0	71.88	38.14	\$77,424
<u>Non-Residential</u>					
Watt-hour Only Meter	166.7	172.7	\$66.19	\$45.48	\$18,888,835
0-25 kW	819.0	846.5	\$66.57	\$35.74	\$84,775,231
25-100 kW	1,457.2	1,535.2	\$66.44	\$40.55	\$159,065,862
100-400 kW	2,008.3	2,117.4	\$51.63	\$30.30	\$167,845,605
400-800 kW	1,405.7	1,525.1	\$46.57	\$29.54	\$110,514,038
800-1,000 kW	407.3	467.7	\$46.83	\$27.89	\$32,117,551
1,000-3,000 kW	1,637.9	1,822.4	\$48.22	\$27.26	\$128,658,745
3,000-6,000 kW	938.3	1,061.5	\$33.54	\$36.12	\$69,814,671
6,000-10,000 kW	428.5	482.2	\$29.87	\$37.89	\$31,071,506
OVER 10,000 kW	1,336.7	1,711.5	\$14.30	\$23.70	\$59,676,786
Fixture-Included Lighting Non-Residential	0.0	28.6	\$71.88	\$38.14	\$1,089,812
Dusk to Dawn Street Lighting	0.0	116.0	\$73.53	\$36.88	\$4,279,334
Other Street Lighting	10.1	10.1	\$73.53	\$36.88	\$1,115,031
Railroad	80.9	133.3	\$11.90	\$43.33	\$6,736,364
Pumping	91.0	116.5	\$39.99	\$27.51	\$6,846,600
					\$ 1,733,152,289
SOURCE:	Load Analysis	Load Analysis	(Page 11)	(Page 11)	

MARGINAL DISTRIBUTION CAPACITY COSTS (PER kW)
2000 PRICE LEVELS

CLASS	INVESTMENT COST/kW		GENERAL PLANT		ANNUAL REVENUE REQ.		O & M	A & G FOR O & M	MARGINAL DISTRIBUTION COST / kW		
	COINC. PORTION (A)	CLASS PEAK PORTION (B)	COINC. 7.8% (C) (A)*G.P.	CLASS PEAK 7.8% (D) (B)*G.P.	COINC. 0.1174 (E) (A+C)*ALP	CLASS PEAK 0.1174 (F) (B+D)*ALP	CLASS PEAK \$18.08 (G)	CLASS PEAK 32.60% (H)	COINC. PORTION (I) (E)	CLASS PEAK PORTION (J) (F+G+H)	
RESIDENTIAL											
Single Family-NO SP HT	\$597	\$106	46.57	8.27	75.56	13.42	18.08	5.89	75.56	37.39	
Single Family-SP HT	920	110	71.76	8.58	116.43	13.92	18.08	5.89	116.43	37.89	
Multi-Family-NO SP HT	657	88	51.25	6.86	83.15	11.14	18.08	5.89	83.15	35.11	
Multi-Family-SP HT	618	77	48.20	6.01	78.21	9.75	18.08	5.89	78.21	33.72	
NON-RESIDENTIAL											
Watt-hour Only Meter	523	170	40.79	13.26	66.19	21.51	18.08	5.89	66.19	45.48	
0-25 kW	526	93	41.03	7.25	66.57	11.77	18.08	5.89	66.57	35.74	
25-100 kW	525	131	40.95	10.22	66.44	16.58	18.08	5.89	66.44	40.55	
100-400 kW	408	50	31.82	3.90	51.63	6.33	18.08	5.89	51.63	30.30	
400-800 kW	368	44	28.70	3.43	46.57	5.57	18.08	5.89	46.57	29.54	
800-1,000 kW	370	31	28.86	2.42	46.83	3.92	18.08	5.89	46.83	27.89	
1,000-3,000 kW	381	26	29.72	2.03	48.22	3.29	18.08	5.89	48.22	27.26	
3,000-6,000 kW	265	96	20.67	7.49	33.54	12.15	18.08	5.89	33.54	36.12	
6,000-10,000 kW	236	110	18.41	8.58	29.87	13.92	18.08	5.89	29.87	37.89	
OVER 10,000 kW	113	158	8.81	12.32	14.30	20.00	2.87 (1)	0.83	14.30	23.70	
FIXTURE INCLUDED LIGHTING	568	112	44.30	8.74	71.88	14.17	18.08	5.89	71.88	38.14	
STREET LIGHTING	581	102	45.32	7.96	73.53	12.91	18.08	5.89	73.53	36.88	
RAILROAD	94	153	7.33	11.93	11.90	19.36	18.08	5.89	11.90	43.33	
PUMPING	316	28	24.65	2.18	39.99	3.54	18.08	5.89	39.99	27.51	
SOURCES:	(Pages 12-13)	(Pages 12-13)	LOADING FACTORS				(Page 16)	LOADING FACTORS			

(1) USES THE TRANSMISSION O&M COST AND A&G FACTOR (Page 6)

CALCULATION OF THE ASSIGNED DISTRIBUTION INVESTMENT COST PER kW (Page 1 of 2)
2000 PRICE LEVELS

CLASS	kWh (A)	% OF TOTAL (B)	\$/kW INVESTMENT COST		WEIGHTED INVESTMENT COST		PRICE LEVELS FOR	2000
			COINCIDENT 2000 (C)	CLASS PEAK 2000 (D)	COINCIDENT (E)	CLASS PEAK (F)	COINCIDENT (G) (E) * (1+esc)	CLASS PEAK (H) (F) * (1+esc)
RESIDENTIAL								
SINGLE FAMILY								
Non-Space Heat								
LIGHT	2,342,492,538	13.56%	1355	233	184	32		
MEDIUM L	10,274,029,523	59.46%	381	86	227	51		
MEDIUM H	3,992,995,039	23.11%	649	88	150	20		
HEAVY	670,713,139	3.88%	932	85	36	3		
kWh TOTAL	17,280,230,239	100.01%			597	106	597	106
Space Heat								
LIGHT	518,111,886	51.94%	1355	121	704	63		
MEDIUM L	373,875,326	37.48%	381	98	143	37		
MEDIUM H	89,991,134	9.02%	649	101	59	9		
HEAVY	15,469,197	1.55%	932	69	14	1		
kWh TOTAL	997,447,543	99.99%			920	110	920	110
MULTI-FAMILY								
Non-Space Heat								
LIGHT	37,971,842	1.05%	1355	218	14	2		
MEDIUM L	1,098,488,563	30.26%	381	94	115	28		
MEDIUM H	1,432,898,554	39.47%	649	94	256	37		
HEAVY	1,061,031,505	29.23%	932	72	272	21		
kWh TOTAL	3,630,390,464	100.01%			657	88	657	88
Space Heat								
LIGHT	45,611,129	2.52%	1355	121	34	3		
MEDIUM L	800,095,241	44.29%	381	91	169	40		
MEDIUM H	515,360,861	28.53%	649	70	185	20		
HEAVY	445,472,386	24.66%	932	56	230	14		
kWh TOTAL	1,806,539,617	100.00%			618	77	618	77
NON-RESIDENTIAL								
WATT-HOUR ONLY METER/LIGHT	60,479,299	10.48%	557	176	58	18		
WATT-HOUR ONLY METER/MEDIUM L	261,045,062	45.24%	430	185	195	84		
WATT-HOUR ONLY METER/MEDIUM H	193,284,504	33.50%	549	177	184	59		
WATT-HOUR ONLY METER/HEAVY	62,173,219	10.78%	797	87	86	9		
kWh TOTAL	576,982,084	100.00%			523	170	523	170
0-25 kW/LIGHT	251,712,566	7.50%	557	170	42	13		
0-25 kW/MEDIUM L	1,637,593,335	48.81%	430	100	210	49		
0-25 kW/MEDIUM H	992,710,542	29.59%	549	73	162	22		
0-25 kW/HEAVY	472,993,132	14.10%	797	67	112	9		
kWh TOTAL	3,355,009,575	100.00%			526	93	526	93
25-100 kW/LIGHT	434,844,470	6.80%	557	146	38	10		
25-100 kW/MEDIUM L	3,171,569,598	49.60%	430	128	213	63		
25-100 kW/MEDIUM H	1,895,280,555	29.64%	549	126	163	37		
25-100 kW/HEAVY	892,752,398	13.96%	797	147	111	21		
kWh TOTAL	6,394,447,021	100.00%			525	131	525	131
100-400 kW/LIGHT	704,653,937	7.53%	385	48	29	4		
100-400 kW/MEDIUM L	4,508,071,615	48.18%	280	50	135	24		
100-400 kW/MEDIUM H	2,867,393,926	30.64%	460	50	141	15		
100-400 kW/HEAVY	1,277,272,221	13.65%	758	53	103	7		
kWh TOTAL	9,357,391,699	100.00%			408	50	408	50

CALCULATION OF THE ASSIGNED DISTRIBUTION INVESTMENT COST PER kW (Page 2 of 2)
2000 PRICE LEVELS

CLASS	kWh (A)	% OF TOTAL (B)	\$/kW INVESTMENT COST		WEIGHTED INVESTMENT COST		PRICE LEVELS FOR	2000
			COINCIDENT 2000 (C)	CLASS PEAK 2000 (D)	COINCIDENT (E) (B)*(C)	CLASS PEAK (F) (B)*(D)	COINCIDENT (G) (E) * (1+esc)	CLASS PEAK (H) (F) * (1+esc)
400-800 kW/LIGHT	498,032,975	6.74%	385	33	26	2		
400-800 kW/MEDIUM L	3,667,036,563	49.66%	268	44	133	22		
400-800 kW/MEDIUM H	2,284,087,620	30.93%	365	47	113	15		
400-800 kW/HEAVY	935,419,920	12.67%	758	39	96	5		
kWh TOTAL	7,384,577,078	100.00%			368	44	368	44
800-1000 kW/LIGHT	172,965,990	7.78%	347	33	27	3		
800-1000 kW/MEDIUM L	1,065,358,120	47.90%	268	29	128	14		
800-1000 kW/MEDIUM H	683,847,223	30.75%	365	33	112	10		
800-1000 kW/HEAVY	301,915,388	13.57%	758	31	103	4		
kWh TOTAL	2,224,086,721	100.00%			370	31	370	31
1-3 MW/LIGHT	979,415,973	10.32%	285	25	29	3		
1-3 MW/MEDIUM L	4,247,468,449	44.76%	303	25	136	11		
1-3 MW/MEDIUM H	2,678,119,911	28.22%	365	25	103	7		
1-3 MW/HEAVY	1,584,426,503	16.70%	675	28	113	5		
kWh TOTAL	9,489,430,836	100.00%			381	26	381	26
3-6 MW (Note 1)			265	96	265	96	265	96
6-10 MW (Note 2)			236	110	236	110	236	110
OVER 10 MW (Note 3)			113	158	113	158	113	158
FIXTURE INCLUDED LT /LIGHT	14,577,944	14.22%	1355	197	193	28		
FIXTURE INCLUDED LT /MEDIUM L	69,595,872	67.87%	381	99	259	67		
FIXTURE INCLUDED LT /MEDIUM H	18,373,932	17.92%	649	97	116	17		
kWh TOTAL	102,547,748	100.01%			568	112	568	112
DUSK TO DAWN & OTHER ST. LT /LIGHT	16,432,667	7.34%	1355	197	99	14		
DUSK TO DAWN & OTHER ST. LT /MEDIUM L	119,827,507	53.50%	381	99	204	53		
DUSK TO DAWN & OTHER ST. LT /MEDIUM H	68,324,366	30.50%	649	97	198	30		
DUSK TO DAWN & OTHER ST. LT /HEAVY	19,398,693	8.66%	924	62	80	5		
kWh TOTAL	223,983,233	100.00%			581	102	581	102
PUMPING								
LIGHT	129,186,930	22.53%	385	33	87	7		
MEDIUM L	405,761,747	70.76%	280	27	198	19		
MEDIUM H	38,206,022	6.66%	460	31	31	2		
HEAVY	300,309	0.05%	758	39	0	0		
kWh TOTAL	573,455,008	100.00%			316	28	316	28
SOURCE:	DENSITY DETERMINANTS		pp 14-15	pp 14-15				

- (1) THE SYSTEM RELATED PORTION OF THE 3-6 MW CLASS IS THE WEIGHTED COST OF THE TDC.
THE CLASS PORTION IS THE COST AT THE AVERAGE LOAD OF 4.15 MW LESS THE WEIGHTED COST OF THE TDC
- (2) THE SYSTEM RELATED PORTION OF THE 6-10 MW CLASS IS THE WEIGHTED COST OF THE TDC.
THE CLASS PORTION IS THE COST AT THE AVERAGE LOAD OF 7.59 MW LESS THE WEIGHTED COST OF THE TDC
- (3) THE SYSTEM RELATED PORTION OF THE OVER 10 MW CLASS IS THE WEIGHTED COST OF THE TDC.
THE CLASS PORTION IS THE COST AT THE AVERAGE LOAD OF 27.15 MW LESS THE WEIGHTED COST OF THE TDC
- (4) THE COSTS ARE STATED IN 2000 DOLLARS

MARGINAL DISTRIBUTION INVESTMENT FOR SYSTEM ELEMENTS (\$/kW) (Page 1 of 2)
2000 PRICE LEVELS

CLASS DENSITY	SECONDARY				VOLTAGE ENTERING PROPERTY PRIMARY				34 kV				COINCIDENT RELATED AVERAGE	CLASS PEAK RELATED AVERAGE	
	COINCIDENT (A)		CLASS PEAK (B)	TDC (1)	COINCIDENT (A)		CLASS PEAK (B)	TDC (1)	COINCIDENT (A)		CLASS PEAK (B)				
	(2)	SUB-TOT			(2)	SUB-TOT			(2)	SUB-TOT					
RESIDENTIAL															
NON-SPACE HEAT - SINGLE FAMILY															
LIGHT	165	1190	1355	233										1355	233
MEDIUM L	165	216	381	86										381	86
MEDIUM H	291	358	649	88										649	88
HEAVY	494	438	932	85										932	85
SPACE HEAT - SINGLE FAMILY															
LIGHT	165	1190	1355	121										1355	121
MEDIUM L	165	216	381	98										381	98
MEDIUM H	291	358	649	101										649	101
HEAVY	494	438	932	69										932	69
NON-SPACE HEAT - MULTI-FAMILY															
LIGHT	165	1190	1355	218										1355	218
MEDIUM L	165	216	381	94										381	94
MEDIUM H	291	358	649	94										649	94
HEAVY	494	438	932	72										932	72
SPACE HEAT - MULTI-FAMILY															
LIGHT	165	1190	1355	121										1355	121
MEDIUM L	165	216	381	91										381	91
MEDIUM H	291	358	649	70										649	70
HEAVY	494	438	932	56										932	56
NON-RESIDENTIAL															
WATT-HOUR ONLY METER/LIGHT	165	392	557	176										557	176
WATT-HOUR ONLY METER/MEDIUM L	165	265	430	185										430	185
WATT-HOUR ONLY METER/MEDIUM H	291	258	549	177										549	177
WATT-HOUR ONLY METER/HEAVY	494	303	797	87										797	87
0-25 kW/LIGHT	165	392	557	170										557	170
0-25 kW/MEDIUM L	165	265	430	100										430	100
0-25 kW/MEDIUM H	291	258	549	73										549	73
0-25 kW/HEAVY	494	303	797	67										797	67
25-100 kW/LIGHT	165	392	557	99	165	392	557	192						557	146
25-100 kW/MEDIUM L	165	265	430	69	165	265	430	187						430	128
25-100 kW/MEDIUM H	291	258	549	69	291	258	549	183						549	126
25-100 kW/HEAVY	494	303	797	100	494	303	797	194						797	147
100-400 kW/LIGHT	165	220	385	37	165	220	385	59						385	48
100-400 kW/MEDIUM L	165	115	280	43	165	115	280	57						280	50
100-400 kW/MEDIUM H	291	169	460	43	291	169	460	57						460	50
100-400 kW/HEAVY	494	264	758	42	494	264	758	64						758	53
400-800 kW/LIGHT	165	220	385	26	165	220	385	39						385	33
400-800 kW/MEDIUM L	165	115	280	24	165	115	280	30	140	103	243	79		268	44
400-800 kW/MEDIUM H	291	169	460	24	291	169	460	38	140	36	176	79		365	47
400-800 kW/HEAVY	494	264	758	33	494	264	758	45						758	39

MARGINAL DISTRIBUTION INVESTMENT FOR SYSTEM ELEMENTS (\$/kW) (Page 2 of 2)
2000 PRICE LEVELS

CLASS DENSITY	SECONDARY			VOLTAGE ENTERING PROPERTY PRIMARY			34 kV			COINCIDENT RELATED AVERAGE	CLASS PEAK RELATED AVERAGE			
	COINCIDENT (A)		CLASS PEAK (B)	COINCIDENT (A)		CLASS PEAK (B)	COINCIDENT (A)		CLASS PEAK (B)					
	TDC (1)	(2)		SUB-TOT	TDC (1)		(2)	SUB-TOT				TDC (1)	(2)	SUB-TOT
800-1000 kW/LIGHT	165	220	385	21	165	220	385	29	140	131	271	49	347	33
800-1000 kW/MEDIUM L	165	115	280	20	165	115	280	18	140	103	243	49	268	29
800-1000 kW/MEDIUM H	291	169	460	20	291	169	460	29	140	36	176	49	365	33
800-1000 kW/HEAVY	494	264	758	26	494	264	758	36					758	31
1-3 MW/LIGHT					165	134	299	20	140	131	271	29	285	25
1-3 MW/MEDIUM L					165	197	362	20	140	103	243	29	303	25
1-3 MW/MEDIUM H					291	262	553	21	140	36	176	29	365	25
1-3 MW/HEAVY					494	181	675	28					675	28
FIXTURE INCLUDED LT /LIGHT	165	1190	1355	197									1355	197
FIXTURE INCLUDED LT /MEDIUM L	165	216	381	99									381	99
FIXTURE INCLUDED LT /MEDIUM H	291	358	649	97									649	97
DUSK TO DAWN & OTHER ST. LT /LIGHT	165	1190	1355	197									1355	197
DUSK TO DAWN & OTHER ST. LT /MEDIUM L	165	216	381	99									381	99
DUSK TO DAWN & OTHER ST. LT /MEDIUM H	291	358	649	97									649	97
DUSK TO DAWN & OTHER ST. LT /HEAVY	494	430	924	62									924	62
PUMPING														
LIGHT	165	220	385	26	165	220	385	39					385	33
MEDIUM L	165	115	280	24	165	115	280	30					280	27
MEDIUM H	291	169	460	24	291	169	460	38					460	31
HEAVY	494	264	758	33	494	264	758	45					758	39

SOURCE: UNDER 3000 kW ANALYSIS PERFORMED BY T&D ASSET MANAGEMENT AND PLANNING BY CUSTOMER CLASS, SERVICE VOLTAGE AND LOAD DENSITY
OVER 3000 kW REGRESSION ANALYSIS PERFORMED BY T&D ASSET MANAGEMENT & PLANNING

NOTES: (A) COINCIDENT PEAK RELATED COST IS EQUAL TO:

(1) TDC COST PLUS

(2) COST OF THE 34 KV LINE AND DC PLUS THE PRIMARY MAIN PLUS THE PRIMARY TAP.

(B) CLASS PEAK RELATED COST IS EQUAL TO THE COST OF THE SECONDARY PLUS THE TRANSFORMER AND SWITCHGEAR.

(C) LOAD DENSITIES ARE DEFINED AS FOLLOWS:

Light 0 to 2,500 kVA per sq. mi
Medium L 2,500 to 15,000 kVA per sq. mi
Medium H 15,000 to 30,000 kVA per sq. mi
Heavy Over 30,000 kVA per sq. mi

(D) ON PROPERTY CLASS PEAK COSTS OTHER THAN STANDARD ARE CONSIDERED RECOVERED THROUGH RIDER 6

DISTRIBUTION O & M EXPENSE APPLICABLE TO CAPACITY
2000 ACTUAL

	FERC FORM 1 <u>AMOUNTS (1)</u>	AMOUNT ASSIGNABLE TO <u>SERVICES (2)</u>
	2000	9.68% 2000
	DOLLARS	DOLLARS
<u>OPERATION ACCOUNTS</u>		
580 OPERATION SUPERVISION & ENGINEERING	\$107,295,815	\$10,386,235
581 LOAD DISPATCHING	11,415,022	1,104,974
582 STATION EXPENSES	10,432,189	1,009,836
583 OVERHEAD LINE EXPENSES	5,065,675	490,357
584 UNDERGROUND LINE EXPENSES	14,183,464	1,372,959
585 STREET LIGHTING AND SIGNAL SYSTEM EXPENSE	357,534	N/A
588 MISCELLANEOUS DISTRIBUTION EXPENSE	8,901,809	861,695
<u>MAINTENANCE ACCOUNTS</u>		
590 MAINTENANCE SUPERVISION & ENGINEERING	24,724,201	2,393,303
591 MAINTENANCE OF STRUCTURES	0	N/A
592 MAINTENANCE OF STATION EQUIPMENT	40,001,523	N/A
593 MAINTENANCE OF OVERHEAD LINES	121,400,546	11,751,573
594 MAINTENANCE OF UNDERGROUND LINES	44,163,632	4,275,040
595 MAINTENANCE OF LINE TRANSFORMERS	6,354,718	615,137
596 MAINTENANCE OF STRT LGHT & SIGNALS	3,099,605	N/A
598 MAINTENANCE OF MISC. DISTRIB. PLANT	<u>83,238</u>	N/A
TOTAL DISTRIBUTION O & M APPLICABLE TO CAPACITY	\$397,478,971	
LESS: DISTRIBUTION EXPENSES APPLICABLE TO SERVICES	<u>34,261,109</u>	\$34,261,109
NET DISTRIBUTION O & M APPLICABLE TO CAPACITY	\$363,217,862	
2000 DOLLARS		
SUMMATION OF NON-COINCIDENT PEAK DEMANDS	20,932,300	
LESS: HIGH VOLTAGE ESS LOAD--kW	<u>848,000</u>	
DISTRIBUTION PEAK LOAD--kW	<u>20,084,300</u>	
NET DISTRIBUTION O & M COST PER kW - 2000 DOLLARS	\$18.08	
ESCALATE DISTRIBUTION O&M AT 3.0% TO 2000 DOLLARS	\$18.08	
NOTES: (1) ONLY INCLUDES THOSE WHICH ARE ASSIGNED BALANCE AT	BALANCE AT	
ON DISTRIBUTION PLANT ACCOUNTS 364-369	<u>12/31/00</u>	
(2) ACCT. 364-368 (DEMAND RELATED)	\$5,468,107,399	90.32%
ACCT. 369 (DIRECTLY ASSIGNABLE TO SERVICES)	<u>586,256,063</u>	<u>9.68%</u>
	\$6,054,363,462	100.00%

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

METERING COSTS

MARGINAL CUSTOMER RELATED COSTS OF METERING-SUMMARY

	<u>COST OF METERS</u> (A)	<u>ACCOUNTING & COLLECTING</u> (B)	<u>TOTAL METER COSTS</u> (C) (A)+(B)
RESIDENTIAL			
Single Family-NO SP HT	26,752,697	24,814,451	\$51,567,148
Single Family-SP HT	604,341	563,336	\$1,167,677
Multi-Family-NO SP HT	12,146,371	12,170,342	\$24,316,713
Multi-Family-SP HT	1,961,771	1,884,942	\$3,846,713
Fixture Included Ltg (Residential)			
NON-RESIDENTIAL			
Watt-hour Only Meter	1,414,609	1,314,636	\$2,729,245
0-25 kW	7,971,053	1,771,835	\$9,742,888
25-100 kW	2,905,900	629,464	\$3,535,364
100-400 kW	1,214,030	209,222	\$1,423,252
400-800 kW	309,986	247,304	\$557,290
800-1,000 kW	52,988	42,287	\$95,275
1,000-3,000 kW	127,384	90,787	\$218,171
3,000-6,000 kW	27,913	19,914	\$47,827
6,000-10,000 kW	7,365	5,239	\$12,604
OVER 10,000 kW	15,458	11,038	\$26,496
FIXTURE INCLUDED - NON-RES			
STREET LIGHTING			
Dusk to Dawn	15,899	14,635	\$30,534
All Other Lighting	2,407	2,240	\$4,647
PUMPING	201,143	159,040	\$360,183
RAILROADS	23,259	18,109	\$41,368

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

METER EQUIPMENT

MARGINAL COST OF METERS

CLASSES	AVERAGE NUMBER OF STANDARD METER INSTALLATIONS (A)	ANNUAL COST PER	INVESTMENT	ESCALATE TO	ANNUAL INV.	PERCENTAGE	O&M EXPENSE	O&M EXPENSE	TOTAL
		STD METER INSTL		2000	ANNUAL INV.		INCL. GEN.	FOR METERS	INCLUDING A&G
		DOLLARS	COST	DOLLARS	PLANT FACTOR	O&M ALLOCATION			COST
		(B)	(C)	(D)	(E)	(F)	(G)	(H)	(J)
			(A)*(B)	(C)*ESC.	(D)*G.P.		(F)*(K)	(G)*A&G	(E)+(H)
RESIDENTIAL									
Single Family-NO SP HT	2,057,690	7.76	15,977,531	15,977,531	18,086,565	56.47%	6,781,011	8,666,132	26,752,697
Single Family-SP HT	46,483	7.76	360,931	360,931	408,574	1.28%	153,182	195,767	604,341
Multi-Family-NO SP HT	934,241	7.76	7,254,185	7,254,185	8,211,737	25.64%	3,078,743	3,934,634	12,146,371
Multi-Family-SP HT	150,890	7.76	1,171,629	1,171,629	1,326,284	4.14%	497,251	635,487	1,961,771
Fixture Included Ltg (Residential)									
NON-RESIDENTIAL									
Watt-hour Only Meter	108,805	7.76	844,848	844,848	956,368	2.99%	358,561	458,241	1,414,609
0-25 kW	144,498	43.72	6,317,270	6,317,270	7,151,150	5.34%	641,552	819,903	7,971,053
25-100 kW	51,309	44.54	2,285,553	2,285,553	2,587,246	2.08%	249,338	318,654	2,905,900
100-400 kW	16,965	52.92	897,859	897,859	1,016,376	1.29%	154,659	197,654	1,214,030
400-800 kW	3,785	62.06	234,879	234,879	265,883	0.29%	34,509	44,103	309,986
800-1,000 kW	647	62.06	40,150	40,150	45,450	0.05%	5,898	7,538	52,988
1,000-3,000 kW	1401	67.12	94,037	94,037	106,450	0.14%	16,380	20,934	127,384
3,000-6,000 kW	307	67.12	20,606	20,606	23,326	0.03%	3,589	4,587	27,913
6,000-10,000 kW	81	67.12	5,437	5,437	6,155	0.01%	947	1,210	7,365
OVER 10,000 kW	85	134.24	11,411	11,411	12,917	0.02%	1,988	2,541	15,458
STREETLIGHTING-METERED - DD	1,223	7.76	9,496	9,496	10,749	0.03%	4,030	5,150	15,899
METERED-ALL OTHER	185	7.76	1,436	1,436	1,626	0.01%	611	781	2,407
PUMPING	2,456	62.06	152,407	152,407	172,525	0.19%	22,393	28,618	201,143
RAILROADS	70	250.85	17,559	17,559	19,877	0.02%	2,646	3,382	23,259
SOURCE:							12,007,288		55,754,574
		System Meter (Page 21)				(Page 21)			

2000 METER O&M EXPENSE
(SOURCE: 2000 FERC FORM 1)

		Portion Meter	Portion CT/PT
ACCT 586 -METER EXPENSE	10,621,590	10,231,768	389,822
ACCT 597 -METER MAINT.	1,843,166	1,775,520	67,646
	12,464,756	12,007,288	457,468

(K)

Annualized Standard Meter Cost per Delivery Service Customer - Investment and O&M

General Plant Factor (G. P.)

1.132

	Standard Meter Type	Average Number of Standard Meters a	Annual Investment Cost per Meter b	Total Annual Investment c = a * b	Total Annual Investment w/ General Plant d = c * G. P.	Annual O&M Cost Per Meter e	Total Annual O&M Cost f = a * e	Annual O&M Cost Distribution * g = f / total	
Residential									
	Single Family with no Electric Space Heat	Watt-hour	2,057,690	\$7.76	\$15,977,531	\$18,086,565	\$1.38	\$2,841,939	56.47%
	Single Family with Electric Space Heat	Watt-hour	46,483	\$7.76	\$360,931	\$408,574	\$1.38	\$64,199	1.28%
	Multi Family with no Electric Space Heat	Watt-hour	934,241	\$7.76	\$7,254,185	\$8,211,738	\$1.38	\$1,290,309	25.64%
	Multi Family with Electric Space Heat	Watt-hour	150,890	\$7.76	\$1,171,629	\$1,326,284	\$1.38	\$208,399	4.14%
Nonresidential									
	With Only Watt-Hour Only Meter	Single Phase Watt-hour	108,805	\$7.76	\$844,848	\$956,368	\$1.38	\$150,274	2.99%
	0 kW to and including 25 kW Demand	Single Phase Demand	144,498	\$43.72	\$6,317,270	\$7,151,149	\$1.86	\$268,876	5.34%
	Over 25 kW to and including 100 kW Demand	Three Phase Demand	51,309	\$44.54	\$2,285,553	\$2,587,245	\$2.04	\$104,498	2.08%
	Over 100 kW to and including 400 kW Demand	Transformer Rated Demand	16,965	\$52.92	\$897,859	\$1,016,377	\$3.82	\$64,818	1.29%
	Over 400 kW to and including 800 kW Demand	Recorder	3,785	\$62.06	\$234,879	\$265,883	\$3.82	\$14,463	0.29%
	Over 800 kW to and including 1,000 kW Demand	Recorder	647	\$62.06	\$40,150	\$45,449	\$3.82	\$2,472	0.05%
	Over 1,000 kW to and including 3,000 kW Demand	Recorder	1,401	\$67.12	\$94,037	\$106,450	\$4.90	\$6,865	0.14%
	Over 3,000 kW to and including 6,000 kW Demand	Recorder	307	\$67.12	\$20,606	\$23,326	\$4.90	\$1,504	0.03%
	Over 6,000 kW to and including 10,000 kW Demand	Recorder	81	\$67.12	\$5,437	\$6,155	\$4.90	\$397	0.01%
	Over 10,000 kW Demand	Recorder	85	\$134.24	\$11,411	\$12,917	\$9.80	\$833	0.02%
	Street Lighting - Metered-Dusk to Dawn	Watt-hour	1,223	\$7.76	\$9,496	\$10,750	\$1.38	\$1,689	0.03%
	All Other Lighting	Watt-hour	185	\$7.76	\$1,436	\$1,626	\$1.38	\$256	0.01%
	Railroads	Recorder	70	\$250.85	\$17,559	\$19,877	\$15.84	\$1,109	0.02%
	Pumping	Recorder	2,456	\$62.06	\$152,407	\$172,525	\$3.82	\$9,385	0.19%
	Total		3,521,121		\$35,697,224	\$40,409,258		\$5,032,285	100.00%

Notes: * These are allocation factors to allocate Accounts 586 and 597

Annual Meter O&M = \$5,032,285
 Annual CT/PT O&M = \$191,726
 Percentage Meter O&M / Total O&M = 96.33%

Annualized Standard Meter Cost per Delivery Service Customer

ALPCC with 20 MACRS Class Life = 20 years and Service Life = Cycle

		0.1957	0.1237			0.058	Annual O & M	0.058		
		ALP Investment Plus Initial Test, Hdlg, Insp., S&H								Total Annual
Standard Meter Type		10 Year Cycle Cost	30 Year Cycle Cost	Common Costs	Total Annual Cost	8 Year Cycle Cost	Common Costs	Total Annual O & M		
		a	a	b= a * 0.058	c= a + b	d	e = d * 0.058			
<u>Residential</u>										
Single Family with no Electric Space Heat	Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
Single Family with Electric Space Heat	Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
Multi Family with no Electric Space Heat	Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
Multi Family with Electric Space Heat	Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
<u>Nonresidential</u>										
With Only Watt-Hour Only Meter	Single Phase Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
0 kW to and including 25 kW Demand	Single Phase Demand	\$41.32		\$2.40	\$43.72	\$1.76	\$0.10	\$1.86		
Over 25 kW to and including 100 kW Demand	Three Phase Demand	\$42.10		\$2.44	\$44.54	\$1.93	\$0.11	\$2.04		
Over 100 kW to and including 400 kW Demand	Transformer Rated Demand	\$50.02		\$2.90	\$52.92	\$3.61	\$0.21	\$3.82		
Over 400 kW to and including 800 kW Demand	Recorder	\$58.65		\$3.40	\$62.06	\$3.61	\$0.21	\$3.82		
Over 800 kW to and including 1,000 kW Demand	Recorder	\$58.65		\$3.40	\$62.06	\$3.61	\$0.21	\$3.82		
Over 1,000 kW to and including 3,000 kW Demand	Recorder	\$63.44		\$3.68	\$67.12	\$4.63	\$0.27	\$4.90		
Over 3,000 kW to and including 6,000 kW Demand	Recorder	\$63.44		\$3.68	\$67.12	\$4.63	\$0.27	\$4.90		
Over 6,000 kW to and including 10,000 kW Demand	Recorder	\$63.44		\$3.68	\$67.12	\$4.63	\$0.27	\$4.90		
Over 10,000 kW Demand	Recorder	\$126.88		\$7.36	\$134.24	\$9.26	\$0.54	\$9.80		
Street Lighting - Metered-Dusk to Dawn	Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
All Other Lighting	Watt-hour		\$7.34	\$0.43	\$7.76	\$1.31	\$0.08	\$1.38		
Railroads	Recorder	\$237.10		\$13.75	\$250.85	\$14.98	\$0.87	\$15.84		
Pumping	Recorder	\$58.65		\$3.40	\$62.06	\$3.61	\$0.21	\$3.82		

Standard Meter Costs Per Delivery Service Customer

Standard Meter Type	Meter Investment		Initial Testing, Hand, Inst, Insp, S&H		Total before Common Costs	0.058 Common Costs	Total Including Common Costs	O & M 8 Year Cycle Cost	
	10 Year Cycle Cost	30 Year Cycle Cost	10 Year Cycle Cost	30 Year Cycle Cost					
<u>Residential</u>									
Single Family with no Electric Space Heat	Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
Single Family with Electric Space Heat	Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
Multi Family with no Electric Space Heat	Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
Multi Family with Electric Space Heat	Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
<u>Nonresidential</u>									
With Only Watt-Hour Only Meter	Single Phase Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
0 kW to and including 25 kW Demand	Single Phase Demand	\$168.94		\$42.21		\$211.15	\$12.25	\$223.40	\$14.07
Over 25 kW to and including 100 kW Demand	Three Phase Demand	\$168.94		\$46.20		\$215.14	\$12.48	\$227.62	\$15.40
Over 100 kW to and including 400 kW Demand	Transformer Rated Demand	\$168.94		\$86.67		\$255.61	\$14.83	\$270.44	\$28.89
Over 400 kW to and including 800 kW Demand	Recorder	\$213.03		\$86.68		\$299.71	\$17.38	\$317.09	\$28.89
Over 800 kW to and including 1,000 kW Demand	Recorder	\$213.03		\$86.68		\$299.71	\$17.38	\$317.09	\$28.89
Over 1,000 kW to and including 3,000 kW Demand	Recorder	\$213.03		\$111.15		\$324.18	\$18.80	\$342.98	\$37.05
Over 3,000 kW to and including 6,000 kW Demand	Recorder	\$213.03		\$111.15		\$324.18	\$18.80	\$342.98	\$37.05
Over 6,000 kW to and including 10,000 kW Demand	Recorder	\$213.03		\$111.15		\$324.18	\$18.80	\$342.98	\$37.05
Over 10,000 kW Demand	Recorder	\$426.06		\$222.29		\$648.35	\$37.60	\$685.95	\$74.10
Street Lighting - Metered-Dusk to Dawn	Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
All Other Lighting	Watt-hour		\$28.00		\$31.33	\$59.33	\$3.44	\$62.77	\$10.44
Railroads	Recorder	\$852.13		\$359.40		\$1,211.53	\$70.27	\$1,281.80	\$119.80
Pumping	Recorder	\$213.03		\$86.68		\$299.71	\$17.38	\$317.09	\$28.89

Source: System Meter Department

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

METERING COSTS
ACCOUNTING AND COLLECTING

ACCOUNTING AND COLLECTING-METER RELATED

2000 DOLLARS

(Page 1 of 2)

METERS PER CUST. 2000 (A)	AVG. # OF CUSTOMERS WITH METERS (B)	# OF METERS 2000 (D)	# OF METERS EXCL. RIDER 7 METERS 2000 (E)	SUPERVISION ACCT. 901 METER ONLY (F)	ANNUAL AVERAGE PER METER COST TO READ (2) (G)	METER READING ACCT. 902 AMOUNT (H)	CUST. RECORDS & COLL. EXP. ACCT. 903 METER ONLY (I)	TOTAL ACCTS. ----- 902+903 ----- AMOUNT (J)	PERCENT (K)	TOTAL IN 2000 DOLLARS (N)	ESCALATE TO 2000 DOLLARS AT 3.0% (O)	TOTAL INCL A&G 1.28 (P)	
ANNUAL EXPENSE AMOUNT TO ASSIGN (1)			2000 FERC F1 ==>	\$388,806 \$378,791 (L)	\$23,475,251		11,015,263 \$10,731,525 (M)						
			(A)*(B)	(K)*(L)	(E)*(G)	(E)*(T)*(M)	(H)+(I)	(F)+(J)					
RESIDENTIAL													
Single Family-NO SP HT	1.00	2,057,690	2,057,690	2,057,690	\$218,828	\$6.22	\$12,793,612	\$6,270,816	\$19,064,428	57.77%	\$19,283,256	\$19,283,256	\$24,644,001
Single Family-SP HT	1.01	46,483	46,948	46,483	4,962	6.22	289,006	\$141,657	430,663	1.31%	435,625	435,625	556,729
Multi-Family-NO SP HT	1.00	934,241	934,241	934,241	99,357	6.22	5,808,609	\$2,847,102	8,655,711	26.23%	8,755,068	8,755,068	11,188,977
Multi-Family-SP HT	1.03	150,890	155,417	150,890	16,061	6.22	938,153	\$459,838	1,397,991	4.24%	1,414,052	1,414,052	1,807,158
Fixture Included Ltg (Residential)													
NON-RESIDENTIAL													
Watt-hour Only Meter	1.07	108,805	116,421	108,805	\$11,553	6.22	676,491	\$331,584	1,008,075	3.05%	1,019,628	\$1,019,628	\$1,303,085
0-25 kW	1.14	144,498	164,728	144,498	\$15,379	6.22	898,411	\$440,358	1,338,769	4.06%	1,354,148	\$1,354,148	\$1,730,601
25-100 kW	1.52	51,309	77,990	51,309	\$5,455	6.22	319,012	\$156,364	475,376	1.44%	480,831	\$480,831	\$614,502
100-400 kW	2.07	16,965	35,118	16,965	\$1,818	6.22	105,479	\$51,701	157,180	0.48%	158,998	\$158,998	\$203,199
400-800 kW	2.53	3,785	9,576	3,785	\$2,159	47.02	177,969	\$11,535	189,504	0.57%	191,663	\$191,663	\$244,945
800-1,000 kW	2.62	647	1,695	647	\$379	47.02	30,422	\$1,972	32,394	0.10%	32,773	\$32,773	\$41,884
1,000-3,000 kW	4.20	1401	5,884	1,401	\$795	47.02	65,874	\$4,270	70,144	0.21%	70,939	\$70,939	\$90,660
3,000-6,000 kW	8.30	307	2,548	307	\$189	47.02	14,435	\$936	15,371	0.05%	15,560	\$15,560	\$19,886
6,000-10,000 kW	11.24	81	910	81	\$38	47.02	3,809	\$247	4,056	0.01%	4,094	\$4,094	\$5,232
OVER 10,000 kW	14.25	85	1,211	170	\$114	47.02	7,993	\$518	8,511	0.03%	8,625	8,625	11,023
Fixture Included Ltg -Non-Residential													
Street Lighting - Metered-Dusk to Dawn		1,223	1,223	1,223	114	6.22	7,604	\$3,727	11,331	0.03%	11,445	11,445	14,627
Metered-Other Lighting		185	185	185	38	6.22	1,150	\$564	1,714	0.01%	1,752	1,752	2,239
PUMPING	3.71	662	2,456	2,456	1,402	47.02	115,480	\$7,485	122,965	0.37%	124,367	124,367	158,941
RAILWAYS	140.00	2	280	280	152	47.02	13,165	\$853	14,018	0.04%	14,170	14,170	18,109
TOTAL		3,519,259	3,614,521	3,521,416 (T)	378,793		22,266,675	10,731,527	\$32,998,202	100%	33,376,995	33,376,994	42,655,798

SOURCE: IS and Meter Billing Determinants

NOTES: (1) AMOUNT TO ASSIGN = TOTAL ACCT. 901(meter only) * (SUM OF (E))/(SUM OF (D))
 (2) AVERAGE COST FOR VISUAL METER READS IS
 AVERAGE COST OF METER READS FOR INTERVAL DEMAND RECORDER (IDR) IS

	Cost per Meter Read	Total Meters	Cost	Proportionate Cost to Read	Ann Avg Cost to Read Meter
	\$ 0.32	3,589,961	1,148,788	22,320,450	6.22
	\$ 2.42	24,560	59,435	1,154,801	47.02
			1,208,223	23,475,251	

ACCOUNTING AND COLLECTING-METER RELATED

(Page 2 of 2)

	UNCOLLECTIBLE 904--ACCOUNTS ASSIGNED <u>TO METERING</u>	% Charge - Off of Base Rate Rev	TOTAL ACCOUNTING & COLLECTING METER ONLY	
	(Q)	(R)	(S)	(X)
ANNUAL EXPENSE AMOUNT TO ASSIGN				
	(X)		(P)+(Q)	EPMC * (R) Uncollectibles
RESIDENTIAL				
Single Family-NO SP HT	170,450	0.42%	24,814,451	170,450
Single Family-SP HT	6,607	0.71%	563,336.06	6,607
Multi-Family-NO SP HT	981,365	5.26%	12,170,342	981,365
Multi-Family-SP HT	77,784	2.58%	1,884,942	77,784
Fixture Included Ltg (Residential)				
NON-RESIDENTIAL				
Watt-hour Only Meter	11,551	0.53%	1,314,636	11,551
0-25 kW	41,234	0.53%	1,771,835	41,234
25-100 kW	14,962	0.53%	629,464	14,962
100-400 kW	6,023	0.53%	209,222	6,023
400-800 kW	2,359	0.53%	247,304	2,359
800-1,000 kW	403	0.53%	42,287	403
1,000-3,000 kW	127	0.07%	90,787	127
3,000-6,000 kW	28	0.07%	19,914	28
6,000-10,000 kW	7	0.07%	5,239	7
OVER 10,000 kW	15	0.07%	11,038	15
Fixture Included Ltg -Non-Residential				
Street Lighting - Metered-Dusk to Daw	8	0.03%	14,635.35	8
Metered-Other Lightir	1	0.03%	2,240.27	1
PUMPING	99	0.03%	159,040	99
RAILWAYS	-	0.00%	18,109	-
TOTAL	1,313,025		43,968,823	1,313,025

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

OTHER CUSTOMER COSTS

MARGINAL CUSTOMER RELATED COSTS-SUMMARY

	<u>COST OF SERVICES</u> (A)	<u>ACCOUNTING & COLLECTING</u> (B)	<u>ANNUAL COST OF CT/PTs</u> (C)	<u>TOTAL CUSTOMER COSTS</u> (D) (A)+(B)+(C)
RESIDENTIAL				
Single Family-NO SP HT	151,946,081	95,929,520	0	\$247,875,601
Single Family-SP HT	5,932,783	2,319,048	0	\$8,251,831
Multi-Family-NO SP HT	13,952,193	50,075,229	0	\$64,027,422
Multi-Family-SP HT	3,480,934	7,987,399	0	\$11,468,333
Fixture Included Ltg (Residential)		42,739	0	\$42,739
NON-RESIDENTIAL				
Watt-hour Only Meter	3,544,324	5,033,066	0	\$8,577,390
0-25 kW	4,707,023	6,937,784	0	\$11,644,807
25-100 kW	4,347,395	3,022,984	0	\$7,370,379
100-400 kW	11,938,076	1,538,457	1,041,347	\$14,517,879
400-800 kW	2,663,461	654,704	437,403	\$3,755,568
800-1,000 kW	455,286	168,223	87,602	\$711,110
1,000-3,000 kW	1,020,499	3,864,186	695,129	\$5,579,814
3,000-6,000 kW	223,621	871,025	152,321	\$1,246,967
6,000-10,000 kW	59,001	237,211	40,190	\$336,402
OVER 10,000 kW	0	264,697	83,917	\$348,614
FIXTURE INCLUDED		44,255	0	\$44,255
STREET LIGHTING				
- DUSK TO DAWN	2,059,380	82,289	0	\$2,141,669
-ALL OTHER	218,418	28,065	0	\$246,483
PUMPING	1,728,259	32,354	283,821	\$2,044,433
RAILROADS	0	5,474	69,555	\$75,029
SOURCE:	Cost of Services	Cust. Acctg & Collect CTPT		

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

SERVICES

MARGINAL COST OF SERVICES

CLASSES	AVERAGE	COST Per	INVESTMENT	PERCENT	ESCALATE TO	INVESTMENT	ANNUAL	O&M AND A&G	TOTAL
	NUMBER OF	SERVICE	COST	OF	2000	INCL. GEN.	REVENUE	EXPENSES	MARGINAL
	SERVICES	2000	2000	TOTAL	DOLLARS	PLANT FACTOR	REQUIREMENT	APPLICABLE	COST
	(A)	DOLLARS	DOLLARS	(D)	0.00%	1.132	0.1174	TO SERVICES	(I)
		(B)	(C)	(A)*(B)	(E)	(F)	(G)	(H)	(I)
					(C)*ESC.	(E)*G.P.	(F)*ALP	(D)*(J)	(G)+(H)
RESIDENTIAL									
Single Family-NO SP HT	2,057,690	426	876,925,747	80.86%	876,925,747	992,679,946	116,540,626	35,405,455	151,946,081
Single Family-SP HT	46,483	737	34,239,843	3.16%	34,239,843	38,759,502	4,550,366	1,382,417	5,932,783
Multi-Family-NO SP HT	934,241	86	80,522,232	7.42%	80,522,232	91,151,167	10,701,147	3,251,046	13,952,193
Multi-Family-SP HT	150,890	133	20,089,495	1.85%	20,089,495	22,741,308	2,669,830	811,104	3,480,934
NON-RESIDENTIAL									
Watt-hour Only Meter	108,805	188	20,455,340	1.89%	20,455,340	23,155,445	2,718,449	825,875	3,544,324
0- 25 kW	144,498	188	27,165,624	2.50%	27,165,624	30,751,486	3,610,224	1,096,799	4,707,023
25-100 kW	51,309	489	25,090,101	2.31%	25,090,101	28,401,994	3,334,394	1,013,001	4,347,395
			1,084,488,382	100%					
100- 400 kW	16,965	5,295	89,829,675		89,829,675	101,687,192	11,938,076		11,938,076
400- 800 kW	3,785	5,295	20,041,575		20,041,575	22,687,063	2,663,461		2,663,461
800-1,000 kW	647	5,295	3,425,865		3,425,865	3,878,079	455,286		455,286
1,000-3,000 kW	1,401	5481	7,678,881		7,678,881	8,692,493	1,020,499		1,020,499
3,000-6,000 kW	307	5481	1,682,667		1,682,667	1,904,779	223,621		223,621
6,000-10,000 kW	81	5481	443,961		443,961	502,564	59,001		59,001
OVER 10,000 kW	N/A	N/A	0		0	0	0		0
PUMPING	2,456	5,295.00	13,004,520		13,004,520	14,721,117	1,728,259		1,728,259
STREETLIGHTING (1)									
DUSK TO DAWN	74,860	207.00	15,496,082		15,496,082	17,541,565	2,059,380		2,059,380
OTHER	7,940	207.00	1,643,518		1,643,518	1,860,462	218,418		218,418
RAILROADS	N/A	N/A	0		0	0	0		0
Total	3,602,358								208,276,734
SOURCE:									
		Marg. Cost of Serv. (Lines Eng.)							
		Distr. Expense applicable to services (Distr O&M worksheet page 16)				2000 Dollars		34,261,109	
		Escalate to	2000 @	3.0%				34,261,109	
		Distr. Expense for services including			27.8%	A&G Factor		43,785,697 (J)	

NOTES (1) INCLUDES 10,587 STREET LIGHTING SERVICES INSIDE THE CITY OF CHICAGO

2000 Cost of Residential Service Drops

Single Family

	Single Dwelling		No Space Heat				No Space Heat		With Space Heat		With Space Heat		No Sp Ht Total Cost	With Sp Ht Total Cost	
	Customer Count		No Space Heat		With Space Heat		On Prop. Secondary		On Prop. Secondary		On Prop. Secondary				
	<u>no sp ht</u>	<u>with sp ht</u>	<u>Ovd</u>	<u>Undg</u>	<u>Ovd</u>	<u>Undg</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>			
						<u>Cost Ovd</u>	<u>Cost Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>						
Light	198,189	20,486	0.83	0.17	0.45	0.55	390.00	1085.00	390.00	1085.00			100,709,875	15,820,619	
MediumL	1,020,969	18,023	0.88	0.12	0.38	0.62	360.00	980.00	360.00	980.00			443,509,077	13,416,058	
MediumH	474,167	4,274	0.80	0.20	0.25	0.75	360.00	980.00	360.00	980.00			229,497,005	3,526,399	
Heavy	84,832	514	0.80	0.20	0.80	0.20	350.00	675.00	350.00	675.00			35,205,198	213,254	
	1,778,158	43,297											Total	808,921,155	32,976,330
													Avg Cost	454.92	761.63
	2 Dwellings		No Space Heat				No Space Heat		With Space Heat		With Space Heat		No Sp Ht Total Cost	With Sp Ht Total Cost	
	Customer Count		No Space Heat		With Space Heat		On Prop. Secondary		On Prop. Secondary		On Prop. Secondary				
	<u>no sp ht</u>	<u>with sp ht</u>	<u>Ovd</u>	<u>Undg</u>	<u>Ovd</u>	<u>Undg</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>	<u>\$/cust</u>			
						<u>Cost Ovd</u>	<u>Cost Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>						
Light	28,676	1,441	0.83	0.17	0.45	0.55	195.00	542.50	195.00	542.50			7,285,788	556,253	
MediumL	147,723	1,267	0.88	0.12	0.38	0.62	180.00	490.00	180.00	490.00			32,085,364	471,709	
MediumH	68,607	301	0.80	0.20	0.25	0.75	180.00	490.00	180.00	490.00			16,602,805	123,988	
Heavy	12,274	36	0.80	0.20	0.80	0.20	175.00	337.50	175.00	337.50			2,546,896	7,498	
	257,279	3,045											Total	58,520,853	1,159,448
													Avg Cost	227.46	380.81
												TOTAL SINGLE FAMILY			
												WEIGHTED COST	426.17	736.61	

Multi-Family

			No Space Heat				On Prop. Secondary		With Space Heat		On Prop. Secondary		No Sp Ht	With Sp Ht
3-6 Unit Dwelling			No Space Heat		With Space Heat		\$/cust	\$/cust	\$/cust	\$/cust	Total Cost	Total Cost		
Customer Count			<u>Ovd</u>	<u>Undg</u>	<u>Ovd</u>	<u>Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>				
	<u>no sp ht</u>	<u>with sp ht</u>												
Light	0	0	0.63	0.37	0.45	0.55	0	0	0	0	-	-		
MediumL	126,846	17,660	0.60	0.40	0.26	0.74	84.44	121.11	90.83	171.25	12,571,453	2,655,019		
MediumH	247,001	10,055	0.55	0.45	0.37	0.63	84.44	121.11	90.83	171.25	24,932,651	1,422,728		
Heavy	142,321	2,036	0.55	0.45	0.36	0.64	82.22	103.47	81.11	141.25	13,062,577	243,505		
	516,168	29,751												
										Total	50,566,682	4,321,252		
										Avg Cost	97.97	145.25		

			No Space Heat				On Prop. Secondary		With Space Heat		On Prop. Secondary		No Sp Ht	With Sp Ht
7-15 Unit Dwelling			No Space Heat		With Space Heat		\$/cust	\$/cust	\$/cust	\$/cust	Total Cost	Total Cost		
Customer Count			<u>Ovd</u>	<u>Undg</u>	<u>Ovd</u>	<u>Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>				
	<u>no sp ht</u>	<u>with sp ht</u>												
Light	0	0	0.63	0.37	0.45	0.55	0	0	0	0	-	-		
MediumL	72,613	27,952	0.60	0.40	0.26	0.74	50.76	107.95	73.06	180.91	5,346,931	4,272,994		
MediumH	60,285	11,779	0.55	0.45	0.37	0.63	50.76	107.95	73.06	180.91	4,611,531	1,660,904		
Heavy	27,834	1,985	0.55	0.45	0.36	0.64	48.79	92.73	63.41	150.48	1,908,383	236,483		
	160,732	41,716												
										Total	11,866,845	6,170,381		
										Avg Cost	73.83	147.91		

			No Space Heat				On Prop. Secondary		With Space Heat		On Prop. Secondary		No Sp Ht	With Sp Ht
16-30 Unit Dwelling			No Space Heat		With Space Heat		\$/cust	\$/cust	\$/cust	\$/cust	Total Cost	Total Cost		
Customer Count			<u>Ovd</u>	<u>Undg</u>	<u>Ovd</u>	<u>Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>				
	<u>no sp ht</u>	<u>with sp ht</u>												
Light	0	0	0.63	0.37	0.45	0.55	0	0	0	0	-	-		
MediumL	23,912	9,183	0.60	0.40	0.26	0.74	44.77	108.41	63.13	201.25	1,679,244	1,518,306		
MediumH	16,670	4,803	0.55	0.45	0.37	0.63	44.77	108.41	63.13	201.25	1,223,711	721,149		
Heavy	11,737	1,473	0.55	0.45	0.36	0.64	42.93	93.22	55.93	168.93	769,484	188,912		
	52,319	15,459												
										Total	3,672,439	2,428,368		
										Avg Cost	70.19	157.08		

			No Space Heat				On Prop. Secondary		With Space Heat		On Prop. Secondary		No Sp Ht	With Sp Ht
Over 30 Unit Dwelling			No Space Heat		With Space Heat		\$/cust	\$/cust	\$/cust	\$/cust	Total Cost	Total Cost		
Customer Count			<u>Ovd</u>	<u>Undg</u>	<u>Ovd</u>	<u>Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>	<u>Cost Ovd</u>	<u>Cost Undg</u>				
	<u>no sp ht</u>	<u>with sp ht</u>												
Light	0	0	0.63	0.37	0.45	0.55	0	0	0	0	-	-		
MediumL	51,526	22,541	0.6	0.4	0.26	0.74	40.10	119.33	47.26	156.98	3,699,155	2,895,455		
MediumH	54,443	19,418	0.55	0.45	0.37	0.63	40.10	119.33	47.26	156.98	4,124,248	2,259,937		
Heavy	100,662	28,416	0.55	0.45	0.36	0.64	37.31	103.07	42.74	133.6	6,734,489	2,866,902		
	206,631	70,375												
										Total	14,557,892	8,022,293		
										Avg Cost	70.45	113.99		

TOTAL MULTI FAMILY WEIGHTED COST 86.19 133.14

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

INSTRUMENT TRANSFORMERS (CTs/PTs)

Annualized Standard Instrument Transformer per Delivery Service Customer - Investment and O&M

General Plant Factor (G. P.)

1.132

1.278

	Standard Meter Type	Average Number of Standard CT/PT a	Annual Investment Cost of CT/PTs per Meter b	Total Annual Investment c = a * b	Total Annual Investment w/ General Plant d = c * G. P.	Annual O&M Cost Per Meter e	Total Annual O&M Cost f = a * e	Annual O&M Cost Distribution * g = f / total	Allocation of CT/PT O&M to Actual h = f * i	O&M Expense Including A&G i	Total Marginal Cost Of CT/PT j
<u>Residential</u>											
Single Family with no Electric Space Heat	Watt-hour										
Single Family with Electric Space Heat	Watt-hour										
Multi Family with no Electric Space Heat	Watt-hour										
Multi Family with Electric Space Heat	Watt-hour										
<u>Nonresidential</u>											
With Only Watt-Hour Only Meter	Single Phase Watt-hour										
0 kW to and including 25 kW Demand	Single Phase Demand										
Over 25 kW to and including 100 kW Demand	Three Phase Demand										
Over 100 kW to and including 400 kW Demand	Transformer Rated Demand	16,965	\$37.76	\$640,531	\$725,081	\$6.11	\$103,715	54.10%	\$247,469	\$316,266	\$1,041,347
Over 400 kW to and including 800 kW Demand	Recorder	3,785	\$82.30	\$311,497	\$352,615	\$7.35	\$27,805	14.50%	\$66,344	\$84,788	\$437,403
Over 800 kW to and including 1,000 kW Demand	Recorder	647	\$99.82	\$64,583	\$73,108	\$7.35	\$4,753	2.48%	\$11,341	\$14,494	\$87,602
Over 1,000 kW to and including 3,000 kW Demand	Recorder	1,401	\$390.23	\$546,711	\$618,876	\$17.85	\$25,006	13.04%	\$59,666	\$76,253	\$695,129
Over 3,000 kW to and including 6,000 kW Demand	Recorder	307	\$390.23	\$119,800	\$135,614	\$17.85	\$5,479	2.86%	\$13,073	\$16,708	\$152,321
Over 6,000 kW to and including 10,000 kW Demand	Recorder	81	\$390.23	\$31,609	\$35,781	\$17.85	\$1,446	0.75%	\$3,450	\$4,409	\$40,190
Over 10,000 kW Demand	Recorder	85	\$778.10	\$66,139	\$74,869	\$34.90	\$2,967	1.55%	\$7,079	\$9,047	\$83,917
Street Lighting - Metered	Watt-hour										
Railroads	Recorder	70	\$781.06	\$54,675	\$61,892	\$35.90	\$2,513	1.31%	\$5,996	\$7,663	\$69,555
Pumping	Recorder	2,456	\$82.30	\$202,124	\$228,804	\$7.35	\$18,042	9.41%	\$43,049	\$55,017	\$283,821
Total		25,797		\$2,037,668	\$2,306,640		\$191,726	100.00%	\$457,468	\$584,644	\$2,891,284

Notes: * These are allocation factors to allocate Accounts 586 and 597

Annual Meter O&M = \$5,032,285
 Annual CT/PT O&M = \$191,726
 Percentage CT/PT O&M / Total O&M = 3.67%

	<u>Portion Meter</u>	<u>Portion CT/PT</u>
ACCT 586 -METER EXPENSE	10,621,590	389,822
ACCT 597 -METER MAINT.	1,843,166	67,646
	12,464,756	457,468

Annualized Standard Instrument Transformer Costs Per Delivery Service Customer
ALPCC with 20 MACRS Class Life = 20 years and Service Life = Cycle

		0.1237	0.058			0.058			
	Standard Meter Type	CT/PT Initial Investment 30 Year Cycle Cost	ALP of Initial Investment	Common Costs	Total Annual Cost	O&M 8 Year Cycle Cost	Common O&M Costs	Total Annual O&M	
		a	b=a * ALPCC	c = b * 0.058	d= b + c	e	f = e * 0.058	g=e + f	
<u>Residential</u>									
	Single Family with no Electric Space Heat	Watt-hour							
	Single Family with Electric Space Heat	Watt-hour							
	Multi Family with no Electric Space Heat	Watt-hour							
	Multi Family with Electric Space Heat	Watt-hour							
<u>Nonresidential</u>									
	With Only Watt-Hour Only Meter	Single Phase Watt-hour							
	0 kW to and including 25 kW Demand	Single Phase Demand							
	Over 25 kW to and including 100 kW Demand	Three Phase Demand							
	Over 100 kW to and including 400 kW Demand	Transformer Rated Demand	\$288.49	\$35.69	\$2.07	\$37.76	\$5.78	\$0.34	\$6.11
	Over 400 kW to and including 800 kW Demand	Recorder	\$628.83	\$77.79	\$4.51	\$82.30	\$6.94	\$0.40	\$7.35
	Over 800 kW to and including 1,000 kW Demand	Recorder	\$762.71	\$94.35	\$5.47	\$99.82	\$6.94	\$0.40	\$7.35
	Over 1,000 kW to and including 3,000 kW Demand	Recorder	\$2,981.70	\$368.84	\$21.39	\$390.23	\$16.87	\$0.98	\$17.85
	Over 3,000 kW to and including 6,000 kW Demand	Recorder	\$2,981.70	\$368.84	\$21.39	\$390.23	\$16.87	\$0.98	\$17.85
	Over 6,000 kW to and including 10,000 kW Demand	Recorder	\$2,981.70	\$368.84	\$21.39	\$390.23	\$16.87	\$0.98	\$17.85
	Over 10,000 kW Demand	Recorder	\$5,945.42	\$735.45	\$42.66	\$778.10	\$32.99	\$1.91	\$34.90
	Street Lighting - Metered	Watt-hour							
	Railroads	Recorder	\$5,968.04	\$738.25	\$42.82	\$781.06	\$33.93	\$1.97	\$35.90
	Pumping	Recorder	\$628.83	\$77.79	\$4.51	\$82.30	\$6.94	\$0.40	\$7.35

Standard Instrument Transformer Costs Per Delivery Service Customer

					0.058		
	Standard Meter Type	CT/PT Investment 30 Year Cycle Cost	CT/PT Initial Test, Hand, Inst, Insp, S&H 30 Year Cycle Cost	Total before Common Costs	Common Costs	Total Including Common Costs	O&M 8 Year Cycle Cost
<u>Residential</u>							
Single Family with no Electric Space Heat	Watt-hour	\$0.00					
Single Family with Electric Space Heat	Watt-hour	\$0.00					
Multi Family with no Electric Space Heat	Watt-hour	\$0.00					
Multi Family with Electric Space Heat	Watt-hour	\$0.00					
<u>Nonresidential</u>							
With Only Watt-Hour Only Meter	Single Phase Watt-hour	\$0.00					
0 kW to and including 25 kW Demand	Single Phase Demand	\$0.00					
Over 25 kW to and including 100 kW Demand	Three Phase Demand	\$0.00					
Over 100 kW to and including 400 kW Demand	Transformer Rated Demand	\$149.81	\$138.68	\$288.49	\$16.73	\$305.22	\$46.23
Over 400 kW to and including 800 kW Demand	Recorder	\$462.19	\$166.64	\$628.83	\$36.47	\$665.30	\$55.55
Over 800 kW to and including 1,000 kW Demand	Recorder	\$596.06	\$166.65	\$762.71	\$44.24	\$806.95	\$55.55
Over 1,000 kW to and including 3,000 kW Demand	Recorder	\$2,576.82	\$404.88	\$2,981.70	\$172.94	\$3,154.64	\$134.96
Over 3,000 kW to and including 6,000 kW Demand	Recorder	\$2,576.82	\$404.88	\$2,981.70	\$172.94	\$3,154.64	\$134.96
Over 6,000 kW to and including 10,000 kW Demand	Recorder	\$2,576.82	\$404.88	\$2,981.70	\$172.94	\$3,154.64	\$134.96
Over 10,000 kW Demand	Recorder	\$5,153.64	\$791.78	\$5,945.42	\$344.83	\$6,290.25	\$263.93
Street Lighting - Metered	Watt-hour	\$0.00					
Railroads	Recorder	\$5,153.64	\$814.40	\$5,968.04	\$346.15	\$6,314.19	\$271.47
Pumping	Recorder	\$462.19	\$166.64	\$628.83	\$36.47	\$665.30	\$55.55

Source: System Meter Department

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

OTHER CUSTOMER COSTS
ACCOUNTING AND COLLECTING

ACCOUNTING AND COLLECTING

(Page 1 of 2)

2000 DOLLARS

	<u>AVG. # OF CUSTOMERS</u>	<u>%</u>	<u>SUPERVISION ACCT. 901 AMOUNT</u>	<u>CUST. RECORDS & COLL. EXP. ACCT. 903 AMOUNT (1)</u>	<u>TOTAL IN 2000 DOLLARS</u>	<u>ESCALATE TO 2000 DOLLARS AT 3.0%</u>	<u>TOTAL INCL A&G 1.28</u>
	(A)	(B)	(D)	(F)	(G)	(H)	(J)
ANNUAL EXPENSE	2000 FERC F1 ==> (C)		\$24,638	124,510,979 (E) (1)			
			(B)*(C)	(B)*(E)	(D)+(F)	(G)*(ESC.)	(H)*(I+A&G)
RESIDENTIAL							
Single Family-NO SP HT	2,057,690	58.4231%	\$14,394	\$72,743,174	\$72,757,568	\$72,757,568	\$92,984,172
Single Family-SP HT	46,483	1.3198%	\$325	1,643,296	\$1,643,621	\$1,643,621	\$2,100,548
Multi-Family-NO SP HT	934,241	26.5255%	\$6,535	33,027,160	\$33,033,695	\$33,033,695	\$42,217,062
Multi-Family-SP HT	150,890	4.2842%	\$1,056	5,334,299	\$5,335,355	\$5,335,355	\$6,818,584
Fixture Included Ltg (Residential)	899	0.0255%	\$6	31,750	\$31,756	\$31,756	\$40,584
NON-RESIDENTIAL							
Watt-hour Only Meter	108,805	3.0893%	\$761	3,846,518	\$3,847,279	\$3,847,279	\$4,916,823
0-25 kW	144,498	4.1027%	\$1,011	5,108,312	\$5,109,323	\$5,109,323	\$6,529,715
25-100 kW	51,309	1.4568%	\$359	1,813,876	\$1,814,235	\$1,814,235	\$2,318,592
100-400 kW	16,965	0.4817%	\$119	599,769	\$599,888	\$599,888	\$766,657
400-800 kW	3,785	0.1075%	\$26	133,849	\$133,875	\$133,875	\$171,092
800-1,000 kW	647	0.0184%	\$5	22,910	\$22,915	\$22,915	\$29,285
1,000-3,000 kW	1,401	0.0398%	\$10	2,962,312	\$2,962,322	\$2,962,322	\$3,785,848
3,000-6,000 kW	307	0.0087%	\$2	649,102	\$649,104	\$649,104	\$829,555
6,000-10,000 kW	81	0.0023%	\$1	171,268	\$171,269	\$171,269	\$218,882
OVER 10,000 kW	85	0.0024%	\$1	179,708	\$179,709	\$179,709	\$229,668
Fixture Included Ltg (Non-Residential)	904	0.0257%	\$6	31,999	\$32,005	32,005	40,902
Street Lighting - Dusk to Dawn	1,783	0.0506%	\$12	63,003	\$63,015	63,015	80,533
- Other Lighting	613	0.0174%	\$4	21,665	\$21,669	21,669	27,693
PUMPING	662	0.0188%	\$5	23,408	\$23,413	23,413	29,922
RAILWAYS	2	0.0001%	\$0	4,283	\$4,283	4,283	5,474
TOTAL	3,522,050	100.00%	24,638	128,411,661	128,436,299	128,436,299	164,141,591
SOURCE:	Billing Determinants						
	<u>Account 903 Customer Accounts/Records Assigned to 1000 kW Customers and Larger Plus Railroads</u>						
	1471 - Sales-Industrial Markets		1,796,202				
	1472 - Sales-Comm'l & Nat'l Markets		2,104,107				
			3,900,309				
	Average Cost Per Customer over 1000 kW		2,079	(N)			

(1) (E) REDUCED BY AMOUNTS APPLICABLE ONLY TO CUSTOMERS ≥ 1 MW
(N) AMOUNTS APPLICABLE ONLY TO CUSTOMERS ≥ 1 MW ARE ASSIGNED TO SUCH CUSTOMERS

ACCOUNTING AND COLLECTING

(Page 2 of 2)

	UNCOLLECTIBLE ACCOUNTS		TOTAL ACCOUNTING & COLLECTING	
	---- ACCT. 904 ---- <u>AMOUNT</u>	<u>% Charge - Off of Base Rate Rev</u>		
	(K)	(L)	(M)	(X)
ANNUAL EXPENSE				
	(X)		(J)+(K)	EPMC * (L) Uncollectibles
RESIDENTIAL				
Single Family-NO SP HT	2,945,348	0.42%	95,929,520	2,945,348
Single Family-SP HT	218,500	0.71%	2,319,048	218,500
Multi-Family-NO SP HT	7,858,167	5.26%	50,075,229	7,858,167
Multi-Family-SP HT	1,168,815	2.58%	7,987,399	1,168,815
Fixture Included Ltg (Residential)	2,155	0.42%	42,739	2,155
NON-RESIDENTIAL				
Watt-hour Only Meter	116,243	0.53%	5,033,066	116,243
0-25 kW	408,069	0.53%	6,937,784	408,069
25-100 kW	704,392	0.53%	3,022,984	704,392
100-400 kW	771,800	0.53%	1,538,457	771,800
400-800 kW	483,612	0.53%	654,704	483,612
800-1,000 kW	138,938	0.53%	168,223	138,938
1,000-3,000 kW	78,338	0.07%	3,864,186	78,338
3,000-6,000 kW	41,470	0.07%	871,025	41,470
6,000-10,000 kW	18,329	0.07%	237,211	18,329
OVER 10,000 kW	35,029	0.07%	264,697	35,029
Fixture Included Ltg (Non-Residential)	3,353	0.03%	44,255	3,353
Street Lighting - Dusk to Dawn	1,756	0.03%	82,289	1,756
- Other Lighting	372	0.03%	28,065	372
PUMPING	2,432	0.034%	32,354	2,432
RAILWAYS	-		5,474	-
TOTAL	14,997,119		179,138,710	14,997,119

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

MARGINAL LIGHTING FIXTURE COSTS

MARGINAL COSTS FOR LIGHTING FIXTURES (Page 1 of 2)

		ESCALATE TO			TOTAL	MONTHLY
	2000	2000	2000	DISTRIBUTION	COST	COST
	FIXTURE	DOLLARS	DOLLARS	CAPACITY COST	2000	
	WATTS	COST	0.00%			
	(A)	(B)	(C)	(D)	(E)	
<u>DUSK TO DAWN MUNICIPAL STREET LIGHTING</u>			(B)*ESC.	NOTE 1	(C)+(D)	
MERCURY VAPOR	100	38.75	38.75	3.81	42.56	3.55
	175	40.74	40.74	6.67	47.41	3.95
	250	42.86	42.86	9.54	52.40	4.37
	400	47.36	47.36	15.26	62.62	5.22
HIGH PRESSURE SODIUM	70	44.44	44.44	2.67	47.11	3.93
	100	42.35	42.35	3.81	46.16	3.85
	150	43.73	43.73	5.72	49.45	4.12
	250	48.86	48.86	9.54	58.40	4.87
	400	53.27	53.27	15.26	68.53	5.71
	1,000	110.03	110.03	38.14	148.17	12.35
<u>OTHER EQUIPMENT</u>						
<u>POST TOP DECORATIVE</u>						
	Early American/Contemporary	21.73	21.73		21.73	1.81
	Acorn	58.92	58.92		58.92	4.91
BRACKET ≤ 8 FEET		22.23	22.23		22.23	1.85
> 8 FEET		45.36	45.36		45.36	3.78
<u>PRIVATE OUTDOOR LIGHTING</u>						
MERCURY VAPOR	175	44.55	44.55	6.67	51.22	4.27
	400	54.30	54.30	15.26	69.56	5.80
HIGH PRESSURE SODIUM FLOOD	100	62.38	62.38	3.81	66.19	5.52
	250	63.53	63.53	9.54	73.07	6.09
HIGH PRESSURE SODIUM CONVEN'L STYLE	100	47.26	47.26	3.81	51.07	4.26
	150	48.52	48.52	5.72	54.24	4.52

NOTE:

(1) (WATTS/1000)*(\$38.14 MARGINAL DISTRIBUTION COST/kW)

MARGINAL COSTS FOR FIXTURE INCLUDED LIGHTING (Page 2 of 2)
(Excludes Distribution Costs)

	WATTS (A)	2000	MONTHLY COST	Number of Units		Fixture Charge Only	
		FIXTURE COST (B)		Residential	Non-Residential	Residential	Non-Residential
<u>DUSK TO DAWN MUNICIPAL STREET LIGHTING</u>							
MERCURY VAPOR	100	38.75	3.23		252,558		815,552
	175	40.74	3.40		649,128		2,203,790
	250	42.86	3.57		104,106		371,832
	400	47.36	3.95		118,194		466,472
HIGH PRESSURE SODIUM	70	44.44	3.70		16,662		61,705
	100	42.35	3.53		189,972		670,443
	150	43.73	3.64		188,640		687,436
	250	48.86	4.07		131,922		537,142
	400	53.27	4.44		25,020		111,068
	1000	110.03	9.17		1,644		15,074
<u>OTHER EQUIPMENT</u>							
<u>POST TOP DECORATIVE</u>							
Early American/Contemporary		21.73	1.81		51,426		93,124
Acorn		58.92	4.91		4,782		23,480
BRACKET ≤ 8 FEET		22.23	1.85		905,808		1,678,009
> 8 FEET		45.36	3.78		622,254		2,352,120
				Sub-Total	3,262,116		\$ 10,087,247
<u>PRIVATE OUTDOOR LIGHTING</u>							
MERCURY VAPOR	175	44.55	3.71	86,657	50,142	\$ 321,714	\$ 186,152
	400	54.30	4.53	7,815	40,050	\$ 35,363	\$ 181,226
HIGH PRESSURE SODIUM FLOOD	100	62.38	5.20	14,534	12,396	\$ 75,553	\$ 64,439
	250	63.53	5.29	10,904	110,238	\$ 57,728	\$ 583,618
HIGH PRESSURE SODIUM CONVENT'L STYLE	100	47.26	3.94	4,173	1,200	\$ 16,435	\$ 4,726
	150	48.52	4.04	6,156	4,308	\$ 24,891	\$ 17,419
				Sub-Total	130,239	218,334	\$ 531,683 \$ 1,037,580
				Total Fixture	130,239	3,480,450	\$ 531,683 \$ 11,124,827 \$ 11,656,509

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

LOADING FACTORS

FINANCIAL AND LOADING FACTORS

YEAR STATED:	2000
YEAR STATED:	2000
YEAR TO ESC COSTS TO:	2000

ANNUAL LEVEL PREMIUM CARRYING CHARGE (ALPCC) FACTORS

DISTRIBUTION	0.1174
ELECTRONIC METERS 10 yr service	0.1957
MECHANICAL METERS 30 yr service	0.1237
SERVICES	0.1174
TRANSMISSION	0.1153
TRANSMISSION (DIRECT COST)	0.1293

ESCALATION RATES

O & M	3.00%
CONSTRUCTION ITEMS	3.00%
Effective Interest Rate	8.446%

A&G LOADING FACTORS

TRANSMISSION	28.8%
DISTRIBUTION	32.6%
CUSTOMER	27.8%

METER COMMON COSTS (G.C.O. 25)	5.80%
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GENERAL PLANT LOADING FACTORS

TRANSMISSION	10.9%
DISTRIBUTION	7.8%
CUSTOMER	13.2%

**CALCULATION OF LOADING FACTORS FOR GENERAL PLANT AND ADMINISTRATIVE & GENERAL EXPENSES
2000 ACTUAL**

	<u>ADMINISTRATIVE & GENERAL EXPENSES</u>				<u>GENERAL PLANT</u>	
	<u>A&G EXPENSE ALLOCATION</u>	<u>O&M EXPENSES</u>	<u>A&G % OF O&M EXPENSES</u>	<u>GROSS PLANT AT 12/31/00</u>	<u>GENERAL PLANT ALLOCATION</u>	<u>PERCENT ADDER TO GROSS PLANT</u>
	(\$000's)	(\$000's)	%	(\$000's)	(\$000's)	%
	(A)	(B)	(C)	(D)	(E)	(F)
			(A)/(B)		Actual	(E)/(D)
TRANSMISSION	\$16,660	57,892	28.8%	1,930,860	211,272	10.90%
DISTRIBUTION	\$135,347	415,015	32.6%	7,139,040	553,821	7.80%
CUSTOMER	\$61,656	221,596	27.8%	1,001,185	132,177	13.20%
SOURCE:	FERC Accts 920-935	FERC Accts 560-572, 580-598, 901-904		FERC Accts 350-373	FERC Accts 389-399	

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

CUSTOMER CLASS INFORMATION

CUSTOMER CLASS INFORMATION

	2000 AVERAGE NUMBER OF CUSTOMERS	SOLD BASIS		2000	2000	MW LOAD WITH DISTRIBUTION LINE AND CORE LOSSES COINCIDENT WITH SYSTEM PEAK
		COINCIDENT LOAD MW (on peak day)	NON-COINCIDENT PEAK LOAD MW (class max.)	Billing Determinants Total kWh	Billing Determinants Total Ratchet kW	
RESIDENTIAL						
Single Family-NO SP HT	2,057,690	5,276.2	6,539.9	18,085,441,483		5,835.8
Single Family-SP HT	46,483	152.0	334.4	1,052,574,530		163.1
Multi-Family-NO SP HT	934,241	1,067.8	1,193.5	3,757,622,321		1,192.7
Multi-Family-SP HT	150,890	283.9	715.7	1,931,763,743		306.7
Fixture Included Ltg (Residential)	899 (1)	0.0	2.0	7,914,421		0.02
	3,190,203					
NON-RESIDENTIAL						
Watt-hour Only Meter	108,805	166.7	172.7	693,286,760		182.9
0-25 kW	144,498	819.0	846.5	3,578,278,067	18,297,745	897.9
25-100 kW	51,309	1,457.2	1,535.2	6,837,165,121	29,941,794	1,593.4
100-400 kW	16,965	2,008.3	2,117.4	10,294,281,151	38,869,631	2,165.9
400-800 kW	3,785	1,405.7	1,525.1	7,949,109,214	25,383,966	1,508.6
800-1,000 kW	647	407.3	467.7	2,335,097,138	6,901,241	435.4
1,000-3,000 kW	1,401	1,637.9	1,822.4	10,204,466,372	28,151,798	1,723.9
3,000-6,000 kW	307	938.3	1,061.5	6,027,272,112	15,886,255	987.6
6,000-10,000 kW	81	428.5	482.2	2,831,246,373	7,611,190	450.7
OVER 10,000 kW	85	1,336.7	1,711.5	10,347,033,284	27,185,152	1,377.9
Fixture Included Ltg (Non-Residential)	904 (1)	0.0	28.6	118,754,000		0.23
Street Ltg Dusk to Dawn	1,783	0.0	116.0	482,239,768		0.92
Other	613	10.1	10.1	88,711,232		10.3
RAILROAD	2	80.9	133.3	451,433,454	1,627,096	83.0
PUMPING	662	91.0	116.5	672,591,581		98.3
Total	3,522,050	17,567.4	20,932.3	87,746,282,125	199,855,868	19,015

ComEd Class Load Study ComEd Class Load Study

Notes: (1) Represents stand alone Fixture Included Ltg customers

**ACCOUNTING AND COLLECTING
CALCULATION FOR UNCOLLECTIBLES**

D & C REV REQ. (excl acct 904) ==> 1,772,254,000 (estimate)

	DISTRIBUTION & CUSTOMER		Rev. Req	EPMC Rev excl 904	METERING SERVICE		Rev. Req	EPMC Rev excl 904
	Excl Acct 904	Total \$			Excl Acct 904	Total \$		
<u>Residential</u>			1,693,639,660.14				78,614,340	
Single Family-NO SP HT	888,125,627.69		41.9%	709,472,066	51,396,698		52.23%	41,057,842
Single Family-SP HT	38,397,321.27		1.8%	30,673,393	1,161,070		1.18%	927,511
Multi-Family-NO SP HT	186,855,118		8.8%	149,267,719	23,335,348		23.71%	18,641,256
Multi-Family-SP HT	56,633,185		2.7%	45,240,968	3,768,929		3.83%	3,010,779
Fixture Included Lighting- (Res)	649,691		0.031%	519,000	-		0.00%	-
<u>Non-Residential</u>								
Watt-hour Only Meter	27,349,982		1.3%	21,848,314	2,717,694		2.76%	2,171,008
0-25 kW	96,011,969		4.5%	76,698,394	9,701,654		9.86%	7,750,089
25-100 kW	165,731,849		7.8%	132,393,564	3,520,402		3.58%	2,812,245
100-400 kW	181,591,685		8.6%	145,063,067	1,417,229		1.44%	1,132,142
400-800 kW	113,785,994		5.4%	90,897,032	554,931		0.56%	443,302
800-1,000 kW	32,689,723		1.5%	26,113,924	94,872		0.10%	75,788
1,000-3,000 kW	134,160,221		6.3%	107,172,821	218,044		0.22%	174,183
3,000-6,000 kW	71,020,168		3.3%	56,733,894	47,799		0.05%	38,184
6,000-10,000 kW	31,389,579		1.5%	25,075,315	12,597		0.01%	10,063
OVER 10,000 kW	59,990,371		2.8%	47,922,829	26,481		0.03%	21,154
Fixture Included Lighting (Non-Res)	12,255,541		0.6%	9,790,241	-		0.00%	-
Street Lighting Dusk to Dawn	6,419,247		0.3%	5,127,964	30,526		0.03%	24,385
Street Lighting Other	1,361,142		0.1%	1,087,337	4,646		0.00%	3,711
Railroad	6,811,393		0.3%	5,441,227	41,368		0.04%	33,046
Pumping	8,888,602		0.4%	7,100,589	360,084		0.37%	287,650
Total	2,120,118,407		100.0%	1,693,639,660	98,410,372		100.0%	78,614,340

COMMONWEALTH EDISON COMPANY

MARGINAL COST OF DELIVERY SERVICES STUDY FOR 2000

WORKPAPERS

Commonwealth Edison Company
 Marginal Cost of Delivery Services Study for 2000
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