

Commonwealth Edison Company
The Determination of Allocation Factor for Service Cost

	ALPCC ⁽⁵⁾ 0.0929 (C)				ALPCC ⁽⁵⁾ 0.1004 (G)			Weighted Customers for Service/CTs&PTs Cost (attribute)	
	Number of Standard Services ⁽³⁾	Cost per Standard Service ⁽⁴⁾	Annualized Cost per Standard Service	Number of Customers with Meters	Cost per Customer for Standard CTs, PTs, and Relays ⁽⁶⁾	Annualized Cost per Customer for Standard CTs, PTs, and Relays	Annualized Service Cost and CTs and PTs Costs per Number of Standard Service		Cost per Service / CT&PTs Weighting ⁽⁷⁾ (weighting ratio)
	(A)	(B)	(D) = (B)*(C)	(E)	(F)	(H) = (F)*(G)	(I) = ((A)*(D)+(E)* (H))/(A)	(J)	(K) = (A) * (J)
Residential									
1 Single Family Without Electric Space Heat	2,232,784	\$1,324.89	\$123.08	2,232,784	\$0.92	\$0.09	\$123.17	1.000	2,232,784
2 Multi Family Without Electric Space Heat	1,024,195	\$300.40	\$27.91	1,024,195	\$0.92	\$0.09	\$28.00	0.227	232,492
3 Single Family With Electric Space Heat	34,937	\$1,324.89	\$123.08	34,937	\$0.92	\$0.09	\$123.17	1.000	34,937
4 Multi Family With Electric Space Heat	155,272	\$300.40	\$27.91	155,272	\$0.92	\$0.09	\$28.00	0.227	35,247
Nonresidential									
5 Watt-Hour	96,609	\$441.11	\$40.98	96,609	\$1.79	\$0.18	\$41.16	0.334	32,267
6 Small Load (0 to 100 kW)	240,764	\$518.27	\$48.15	240,764	\$89.13	\$8.95	\$57.10	0.464	111,714
7 Medium Load (Over 100 to 400 kW)	17,199	\$676.00	\$62.80	17,199	\$518.15	\$52.02	\$114.82	0.932	16,029
8 Large Load (Over 400 to 1000 kW)	4,140	\$971.65	\$90.27	4,140	\$841.29	\$84.47	\$174.74	1.419	5,875
9 Very Large Load (Over 1,000 to 10,000 kW)	1,857	\$2,916.48	\$270.94	1,857	\$2,017.20	\$202.53	\$473.47	3.844	7,138
10 Extra Large Load (Over 10,000 kW)	98	\$1,734.98	\$161.18	49	\$13,611.38	\$1,366.58	\$844.47	6.856	672
11a. High Voltage (Up to 10,000 kW)	44	\$1,734.98	\$161.18	44	\$38,791.10	\$3,894.63	\$4,055.81	32.929	1,449
11b. High Voltage (Over 10,000 kW)	31	\$1,734.98	\$161.18	31	\$38,791.10	\$3,894.63	\$4,055.81	32.929	1,021
12 Fixture-Included Lighting ⁽¹⁾	176,082	\$151.98	\$14.12	-	\$0.00	\$0.00	\$14.12	0.115	20,249
13 Dusk to Dawn Lighting	146,853	\$151.98	\$14.12	2,835	\$6.87	\$0.69	\$14.13	0.115	16,888
14 General Lighting	7,948	\$151.98	\$14.12	412	\$13.48	\$1.35	\$14.19	0.115	914
15 Railroad ⁽²⁾	5	\$1,734.98	\$161.18	2	\$10,554.33	\$1,059.65	\$585.04	4.750	24
Total	4,138,818			3,811,130					2,749,701

Notes:

- (1) These lighting accounts are customers for lighting services only and do not include lighting accounts that also take electric services.
- (2) The customers in the Railroad class use electricity for traction power.
- (3) Each customer has a single service connection except customers in the Extra Large Loads, Lighting, and Railroad classes. Each customer in the Extra Large Load class has two service connections, the two railroads have 5 total connections. The service connections for the lighting classes are estimated from number of meters, number of bills, and information provided by the City of Chicago. Used in ALJ Post Record 4_Attach 2, Schedule 2b, Line 34, Pages 1 and 2 of 4 in ICC Docket No. 10-0467
- (4) The investment cost for standard service provided to customers is based on a ComEd service connection facilities study.
- (5) The Annual Levelized Premium of Carrying Costs (ALPCC) for services and for CTs and PTs are based on a 40 year useful life and a 30 year useful life, respectively.
- (6) The investment cost for current and potential transformers (CTs and PTs) provided to customers as standard is based on a ComEd metering facilities study.
- (7) Used in ComEd Ex. 19.1, Schedule 2b, Line 35, Pages 1 of 4 and 2 of 4.

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ICC Docket No. 11-0721
ComEd Ex. 19.2
Tab: Meter_370

Commonwealth Edison Company
The Determination of Meter Factor

	Average Number of Customers with Standard Meters ⁽³⁾	Investment Cost per Customer for Standard Meter ⁽⁴⁾	Meter Only ALPCC ⁽⁵⁾	Annual Investment Cost per Customer for Standard Meter	Cost per Customer for Standard Meter Weighting ⁽⁶⁾ (weighting ratio)	Weighted Standard Meter Cost (attribute)
	(A)	(B)	(C)	(D) = (B) * (C)	(E)	(F) = (A) * (E)
<u>Residential</u>						
1 Single Family Without Electric Space Heat	2,232,784	REDACTED	0.1004	REDACTED	1.000	2,232,784
2 Multi Family Without Electric Space Heat	1,024,195	REDACTED	0.1004	REDACTED	1.000	1,024,195
3 Single Family With Electric Space Heat	34,937	REDACTED	0.1004	REDACTED	1.000	34,937
4 Multi Family With Electric Space Heat	155,272	REDACTED	0.1004	REDACTED	1.000	155,272
<u>Nonresidential</u>						
5 Watt-Hour	96,609	REDACTED	0.1004	REDACTED	0.852	82,311
6 Small Load (0 to 100 kW)	240,764	REDACTED	0.1328	REDACTED	2.506	603,355
7 Medium Load (Over 100 to 400 kW)	17,199	REDACTED	0.1328	REDACTED	3.762	64,703
8 Large Load (Over 400 to 1000 kW)	4,140	REDACTED	0.1328	REDACTED	4.396	18,199
9 Very Large Load (Over 1,000 to 10,000 kW)	1,857	REDACTED	0.1328	REDACTED	4.399	8,169
10 Extra Large Load (Over 10,000 kW)	49	REDACTED	0.1328	REDACTED	13.463	660
11a. High Voltage (Up to 10,000 kW)	44	REDACTED	0.1328	REDACTED	21.507	946
11b. High Voltage (Over 10,000 kW)	31	REDACTED	0.1328	REDACTED	21.507	667
12 Fixture-Included Lighting ⁽¹⁾	n.a.	REDACTED	n.a.	REDACTED	n.a.	n.a.
13 Dusk to Dawn Lighting	2,835	REDACTED	0.1328	REDACTED	2.208	6,260
14 General Lighting	412	REDACTED	0.1328	REDACTED	1.951	804
15 Railroad ⁽²⁾	2	REDACTED	0.1328	REDACTED	51.387	103
Total	3,811,130	REDACTED		REDACTED		4,233,363

Notes:

- (1) These lighting accounts are customers for lighting services only and do not include lighting accounts that also take electric services.
- (2) The customers in the Railroad class use electricity for traction power.
- (3) Other than the lighting classes, the information under this column is the number of customers. The numbers listed for the lighting classes are the number of meters in these classes. Used in ComEd Ex. 19.1, Schedule 2b, Line 39, Pages 1 and 2 of 4.
- (4) Standard Meter Investment Cost per Customer is the investment cost for meters provided to customers in each delivery class as standard. It does not included the investment cost for CTs, PTs, and Relays shown on the Service (369)_CTsPTs page. The investment cost provided to customers in each delivery class as standard is based on a ComEd metering facilities study
- (5) ALPCC based on a 16 year and a 30 year useful life.
- (6) Used in ComEd Ex. 19.1, Schedule 2b, Line 40, Pages 1 and 2 of 4.

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ICC Docket No. 11-0721
ComEd Ex. 19.2
Tab: Meter Reading 902

Commonwealth Edison Company
The Determination of Allocation Factor for Meter Reading

	Average Number of Customers with Standard Meters	Average Annual Standard Meter Reading Cost per Customer ⁽³⁾	Per Customer Meter Reading Cost Weighting Factor ⁽⁴⁾ (weighting ratio)	Weighted Meters for Standard Meter Reading (attribute) (D) = (A) * (C)
	(A)	(B)	(C)	
<u>Residential</u>				
1 Single Family Without Electric Space Heat	2,232,784	\$14.76	1.000	2,232,784
2 Multi Family Without Electric Space Heat	1,024,195	\$14.76	1.000	1,024,195
3 Single Family With Electric Space Heat	34,937	\$14.76	1.000	34,937
4 Multi Family With Electric Space Heat	155,272	\$14.76	1.000	155,272
<u>Nonresidential</u>				
5 Watt-Hour	96,609	\$11.92	0.808	78,060
6 Small Load (0 to 100 kW)	240,764	\$21.27	1.441	346,941
7 Medium Load (Over 100 to 400 kW)	17,199	\$81.09	5.494	94,491
8 Large Load (Over 400 to 1000 kW)	4,140	\$87.09	5.900	24,426
9 Very Large Load (Over 1,000 to 10,000 kW)	1,857	\$86.75	5.877	10,914
10 Extra Large Load (Over 10,000 kW)	49	\$216.10	14.641	717
11a. High Voltage (Up to 10,000 kW)	44	\$102.58	6.950	306
11b. High Voltage (Over 10,000 kW)	31	\$102.58	6.950	215
12 Fixture-Included Lighting ⁽¹⁾	n.a.	n.a.	n.a.	n.a.
13 Street Lighting - Dusk to Dawn	2,835	\$60.08	4.070	11,538
14 Street Lighting - All Other Lighting	412	\$30.25	2.049	844
15 Railroad ⁽²⁾	2	\$311.88	21.130	42
Total	3,811,130			4,015,683

Notes:

- (1) These lighting accounts are customers for lighting services only and do not include lighting accounts that also take electric services.
- (2) The customers in the Railroad class use electricity for traction power.
- (3) The per customer meter reading cost is based on a ComEd metering facilities study.
- (4) Used in ComEd Ex. 19.1, Schedule 2b, Line 54, Pages 1 and 2 of 4.

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Commonwealth Edison Company
The Determination of Allocation Factor for Meter O&M

	Average Number of Customers with Standard Meters	Average Annual Maintenance and Testing per Customer ⁽³⁾	Total Annual Meter Maintenance and Testing	Meter O&M ⁽⁴⁾⁽⁵⁾	Meter O&M Per Customer	Weighted Meter O&M per Customer ⁽⁶⁾ (weighting ratio)	Weighted Meter O&M (attribute)
	(A)	(B)	(C) = (A) * (B)	(D)	(E)	(F)	(G) = (A) * (F)
Residential				37%			
1 Single Family Without Electric Space Heat	2,232,784	\$0.55	\$1,228,031	\$1,731,892	\$0.78	1.000	2,232,784
2 Multi Family Without Electric Space Heat	1,024,195	\$0.55	\$563,307	\$794,432	\$0.78	1.000	1,024,195
3 Single Family With Electric Space Heat	34,937	\$0.55	\$19,215	\$27,099	\$0.78	1.000	34,937
4 Multi Family With Electric Space Heat	<u>155,272</u>	\$0.55	<u>\$85,400</u>	<u>\$120,439</u>	\$0.78	1.000	<u>155,272</u>
Total Residential	3,447,188		\$1,895,953	\$2,673,862			3,447,188
Nonresidential				63%			
5 Watt-Hour	96,609	\$1.32	\$127,524	\$106,303	\$1.10	1.410	136,219
6 Small Load (0 to 100 kW)	240,764	\$18.87	\$4,543,217	\$3,787,178	\$15.73	20.167	4,855,488
7 Medium Load (Over 100 to 400 kW)	17,199	\$32.14	\$552,776	\$460,788	\$26.79	34.346	590,717
8 Large Load (Over 400 to 1000 kW)	4,140	\$31.40	\$129,996	\$108,363	\$26.17	33.551	138,901
9 Very Large Load (Over 1,000 to 10,000 kW)	1,857	\$31.38	\$58,273	\$48,576	\$26.16	33.538	62,280
10 Extra Large Load (Over 10,000 kW)	49	\$55.24	\$2,707	\$2,257	\$46.06	59.051	2,893
11a. High Voltage (Up to 10,000 kW)	44	\$23.38	\$1,029	\$858	\$19.50	25.000	1,100
11b. High Voltage (Over 10,000 kW)	31	\$23.38	\$725	\$604	\$19.48	24.974	774
12 Fixture-Included Lighting ⁽¹⁾	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.	n.a.
13 Street Lighting - Dusk to Dawn	2,835	\$14.40	\$40,824	\$34,030	\$12.00	15.385	43,616
14 Street Lighting - All Other Lighting	412	\$10.86	\$4,474	\$3,729	\$9.05	11.603	4,780
15 Railroad ⁽²⁾	<u>2</u>	\$64.72	<u>\$129</u>	<u>\$108</u>	\$54.00	69.231	<u>138</u>
Total Nonresidential	363,942		\$5,461,674	\$4,552,794			5,836,907
Total	3,811,130		\$7,357,627	\$7,226,656			9,284,095

Notes:

- (1) These lighting accounts are customers for lighting services only and do not include lighting accounts that also take electric services.
- (2) The customers in the Railroad class use electricity for traction power.
- (3) The average annual maintenances and testing per customer meter reading cost is based on a ComEd metering facilities study.
- (4) Costs identified as metering services costs in Accounts 586 and 597.

	Total	Metering Services
Account 586	\$7,569,490	\$6,942,076
<u>Account 597</u>	<u>\$300,764</u>	<u>\$284,580</u>
Total	\$7,870,254	\$7,226,656

- (5) Allocated 37% of Metering Services O&M to residential. Based on completed O&M jobs in Field and Metering Services during 2010, 37% metering services related costs are for residential.
- (6) Used in ComEd Ex. 19.1, Schedule 2b, Line 59, Pages 3 and 4 of 4.