

PUBLIC

Docket No. 13-_____

ComEd Ex. 3.02

RDI ECOSS REVISED ALLOCATION FACTORS

Tab: Service (369)_CTSPts

Commonwealth Edison Company
The Determination of Allocation Factor for Service Cost

ALPCC 40 yr⁽⁵⁾
0.0822 (C)

ALPCC 30 yr⁽⁵⁾
0.0903 (G)

	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)	Weighted Customers for Service/CTs&PTs Cost (attribute)
	(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	2,232,153	\$1,307.09	\$107.43	2,232,153	\$1.34	\$0.12	\$107.55	1.000	2,232,153
2 Multi Family Without Electric Space Heat	1,041,504	\$296.38	\$24.36	1,041,504	\$1.34	\$0.12	\$24.48	0.228	237,463
3 Single Family With Electric Space Heat	34,999	\$1,307.09	\$107.43	34,999	\$1.34	\$0.12	\$107.55	1.000	34,999
4 Multi Family With Electric Space Heat	159,349	\$296.38	\$24.36	159,349	\$1.34	\$0.12	\$24.48	0.228	36,332
Nonresidential									
5 Watt-Hour	91,928	\$435.21	\$35.77	91,928	\$2.05	\$0.19	\$35.96	0.334	30,704
6 Small Load (0 to 100 kW)	248,260	\$511.37	\$42.03	248,260	\$144.36	\$13.04	\$55.07	0.512	127,109
7 Medium Load (Over 100 to 400 kW)	17,308	\$666.85	\$54.81	17,308	\$748.80	\$67.63	\$122.44	1.138	19,697
8 Large Load (Over 400 to 1000 kW)	4,191	\$958.45	\$78.78	4,191	\$1,021.59	\$92.27	\$171.05	1.590	6,664
9 Very Large Load (Over 1,000 to 10,000 kW)	1,873	\$2,876.74	\$236.44	1,873	\$2,165.58	\$195.60	\$432.04	4.017	7,524
10 Extra Large Load (Over 10,000 kW)	98	\$1,711.58	\$140.68	49	\$12,403.60	\$1,120.34	\$700.85	6.517	639
11a. High Voltage (Up to 10,000 kW)	47	\$1,711.58	\$140.68	47	\$41,181.10	\$3,719.64	\$3,860.32	35.893	1,687
11b. High Voltage (Over 10,000 kW)	31	\$1,711.58	\$140.68	31	\$41,181.10	\$3,719.64	\$3,860.32	35.893	1,113
12 Fixture-Included Lighting ⁽¹⁾	174,367	\$149.87	\$12.32	-	\$0.00	\$0.00	\$12.32	0.115	20,052
13 Dusk to Dawn Lighting	170,091	\$149.87	\$12.32	2,923	\$11.06	\$1.00	\$12.34	0.115	19,560
14 General Lighting	11,375	\$149.87	\$12.32	413	\$16.89	\$1.53	\$12.38	0.115	1,308
15 Railroad ⁽²⁾	5	\$1,711.58	\$140.68	2	\$11,895.15	\$1,074.42	\$570.45	5.304	27
Total	4,187,579			3,835,030					2,777,029

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 only 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 the number of meters, number of bills, and information provided by the City of Chicago. Used in ComEd Ex. 3.02, Schedule 2b, Line 34, Pages 1 and 2 of 4
- (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. See ComEd Ex. 3.05.
- (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. 3.02, Schedule 2b, Line 35, Pages 1 of 4 and 2 of 4.

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ComEd Ex. 3.02

RDI ECOSSE REVISED ALLOCATION FACTORS

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>		REDACTED		REDACTED		
1 Single Family Without Electric Space Heat	2,232,153		0.0903		1.000	2,232,153
2 Multi Family Without Electric Space Heat	1,041,504		0.0903		1.000	1,041,504
3 Single Family With Electric Space Heat	34,999		0.0903		1.000	34,999
4 Multi Family With Electric Space Heat	159,349		0.0903		1.000	159,349
<u>Nonresidential</u>						
5 Watt-Hour	91,928		0.0903		0.839	77,128
6 Small Load (0 to 100 kW)	248,260		0.1236		2.215	549,896
7 Medium Load (Over 100 to 400 kW)	17,308		0.1236		3.389	58,657
8 Large Load (Over 400 to 1000 kW)	4,191		0.1236		3.928	16,462
9 Very Large Load (Over 1,000 to 10,000 kW)	1,873		0.1236		3.956	7,410
10 Extra Large Load (Over 10,000 kW)	49		0.1236		10.744	526
11a. High Voltage (Up to 10,000 kW)	47		0.1236		15.945	749
11b. High Voltage (Over 10,000 kW)	31		0.1236		15.945	494
12 Fixture-Included Lighting ⁽¹⁾	n.a.		n.a.		n.a.	n.a.
13 Dusk to Dawn Lighting	2,923		0.1236		2.043	5,972
14 General Lighting	413		0.1236		1.757	726
15 Railroad ⁽²⁾	2		0.1236		42.343	85
Total	3,835,030					4,186,109

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 only 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. 3.02, 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 include 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) The Annual Levelized Premium of Carrying Costs (ALPCC) is based on a 30 year useful life for residential and watt-hour and a 16 year useful life for all others.
- (6) Used in ComEd Ex. 3.02, Schedule 2b, Line 40, Pages 1 and 2 of 4.

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ComEd Ex. 3.02

Commonwealth Edison Company
The Determination of Allocation Factor for Meter Reading

RDI ECOSS REVISED ALLOCATION FACTORS

Tab: Meter Reading 902

	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)	(D) = (A) * (C)
<u>Residential</u>				
1 Single Family Without Electric Space Heat	2,232,153	\$19.24	1.000	2,232,153
2 Multi Family Without Electric Space Heat	1,041,504	\$19.24	1.000	1,041,504
3 Single Family With Electric Space Heat	34,999	\$19.24	1.000	34,999
4 Multi Family With Electric Space Heat	159,349	\$19.24	1.000	159,349
<u>Nonresidential</u>				
5 Watt-Hour	91,928	\$14.92	0.775	71,244
6 Small Load (0 to 100 kW)	248,260	\$27.13	1.410	350,047
7 Medium Load (Over 100 to 400 kW)	17,308	\$101.73	5.287	91,507
8 Large Load (Over 400 to 1000 kW)	4,191	\$103.12	5.360	22,464
9 Very Large Load (Over 1,000 to 10,000 kW)	1,873	\$103.53	5.381	10,079
10 Extra Large Load (Over 10,000 kW)	49	\$208.61	10.843	531
11a. High Voltage (Up to 10,000 kW)	47	\$78.60	4.085	192
11b. High Voltage (Over 10,000 kW)	31	\$78.60	4.085	127
12 Fixture-Included Lighting ⁽¹⁾	n.a.	n.a.	n.a.	n.a.
13 Street Lighting - Dusk to Dawn	2,923	\$78.24	4.067	11,888
14 Street Lighting - All Other Lighting	413	\$37.76	1.963	811
15 Railroad ⁽²⁾	2	\$283.08	14.713	29
Total	3,835,030			4,026,923

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 only for traction power.
- (3) The per customer meter reading cost is based on a ComEd metering facilities study.
- (4) Used in ComEd Ex. 3.02, Schedule 2b, Line 54, Pages 1 and 2 of 4.

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)
<u>Residential</u>				40%			
1 Single Family Without Electric Space Heat	2,232,153	\$1.12	\$2,500,011	\$2,581,345	\$1.16	1.000	2,232,153
2 Multi Family Without Electric Space Heat	1,041,504	\$1.12	\$1,166,484	\$1,204,434	\$1.16	1.000	1,041,504
3 Single Family With Electric Space Heat	34,999	\$1.12	\$39,199	\$40,474	\$1.16	1.000	34,999
4 Multi Family With Electric Space Heat	<u>159,349</u>	<u>\$1.12</u>	<u>\$178,471</u>	<u>\$184,277</u>	<u>\$1.16</u>	<u>1.000</u>	<u>159,349</u>
Total Residential	3,468,005		\$3,884,165	\$4,010,530			3,468,005
<u>Nonresidential</u>				60%			
5 Watt-Hour	91,928	\$1.95	\$179,260	\$153,340	\$1.67	1.440	132,376
6 Small Load (0 to 100 kW)	248,260	\$23.56	\$5,849,006	\$5,003,268	\$20.15	17.371	4,312,524
7 Medium Load (Over 100 to 400 kW)	17,308	\$40.34	\$698,205	\$597,248	\$34.51	29.750	514,913
8 Large Load (Over 400 to 1000 kW)	4,191	\$39.52	\$165,628	\$141,679	\$33.81	29.147	122,155
9 Very Large Load (Over 1,000 to 10,000 kW)	1,873	\$39.75	\$74,452	\$63,687	\$34.00	29.310	54,898
10 Extra Large Load (Over 10,000 kW)	49	\$72.14	\$3,535	\$3,024	\$61.71	53.198	2,607
11a. High Voltage (Up to 10,000 kW)	47	\$29.08	\$1,367	\$1,169	\$24.87	21.440	1,008
11b. High Voltage (Over 10,000 kW)	31	\$29.08	\$901	\$771	\$24.87	21.440	665
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	2,923	\$18.66	\$54,543	\$46,656	\$15.96	13.759	40,218
14 Street Lighting - All Other Lighting	413	\$13.62	\$5,625	\$4,812	\$11.65	10.043	4,148
15 Railroad ⁽²⁾	<u>2</u>	<u>\$82.58</u>	<u>\$165</u>	<u>\$141</u>	<u>\$70.50</u>	<u>60.776</u>	<u>122</u>
Total Nonresidential	367,025		\$7,032,687	\$6,015,795			5,185,632
Total	3,835,030		\$10,916,852	\$10,026,325			8,653,637

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 maintenance, testing and meter reading per customer 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	\$10,723,247	\$9,728,048
<u>Account 597</u>	<u>\$308,613</u>	<u>\$298,277</u>
Total	\$11,031,860	\$10,026,325

- (5) Allocated 40% of Metering Services O&M to residential. Based on completed O&M jobs in Field and Metering Services during 2012, 40% metering services related costs are for residential. Please see the "FMS Cost Allocation" page of ComEd Ex. 3.05.
- (6) Used in ComEd Ex. 3.02, Schedule 2b, Line 59, Pages 3 and 4 of 4.