Commonwealth Edison Company's Response to
ICC STAFF (PL) Data Requests 1.01 – 1.11
Dated: February 9, 2009

REQUEST NO. PL 1.06:

Exhibit 3.1, Schedule 2b (Allocation Factors) of the ECOSS Excel workpaper accompanying Mr. Heintz' testimony provides the following weightings for meter reading costs:

Single Family w/o Space Heat	1.000
Multifamily w/o Space Heat	1.000
Single Family w/ Space Heat	1.000
Multifamily w/ Space Heat	1.000
Watt-Hour	1.000
Small Load (0-100 kW)	1.000
Medium Load (101-400 kW)	1.000
Large Load (401-1000 kW)	4.959
Very Large Load (1001-10,000 kW)	6.018
Extra Large Load (Over 10,000 kW)	16.057
High Voltage (Up to 10,000 kW)	5.515
High Voltage (Over 10,000 kW)	7.210
Fixt. Incl. Ltg	0.000
Dusk to Dawn	1.000
General Lighting Incl. Traffic Signals	1.000
Railroad	19.835

Please answer the following for each of the 16 weightings above:

a. Please provide a detailed explanation of how the weighting was established.

b. Please identify and explain each assumption relied on to develop the weighting.

c. Please provide a copy of all calculations and formulae used to derive the weighting.

d. Please provide a copy of all evidence relied on to develop the weighting.

e. Please provide a copy of all workpapers relied on to develop the weighting.

RESPONSE:

a. - e. The weighting factors for meter reading listed in this request and shown in ComEd Ex. 3.1, Schedule 2b, line 42 of ComEd's ECOSS are the same weighting factors for meter reading shown in ComEd Ex. 33.1, Schedule 2b, line 39, attached to the rebuttal testimony of Alan C. Heintz, ComEd Ex. 33.0 Corrected, filed in ComEd's 2007 rate case proceeding in Docket No. 07-0566. The weighting factors used in ComEd's ECOSS are described in the direct testimony of Lawrence S. Alongi and Chantal K. Jones, ComEd Ex. 12.0, lines 416-498, and in the direct testimony of Alan C. Heintz, ComEd Ex. 13.0 Corrected, lines 420-447, filed in Docket No. 07-0566.

These weighting factors are developed on page 3 of ComEd Ex. 12.20 attached to ComEd Ex. 12.0 filed in that docket. See PL 1.06_Attach 01 for an electronic spreadsheet of ComEd Ex. 12.20.

The weighting factors for meter reading listed in this data request are shown in column (C) on page 3 of PL 1.06_Attach 01. The weighting factor for each delivery class is determined after the determination of an average per customer meter reading cost for the class shown in column (A). The weighting factor for each delivery class shown in column (C) is the result of dividing the per customer cost for the class shown in column (A) by $11.64, the per customer cost shown in column (A) for the Single Family Without Space Heat class.

The average per customer meter reading cost by delivery class shown in column (A) are determined in PL 1.04_Attach 03 (CONFIDENTIAL AND PROPRIETARY) attached to ComEd's response to data request PL 1.04 in the instant proceeding. Please see that response for a description of PL 1.04_Attach 03 (CONFIDENTIAL AND PROPRIETARY).

ComEd's exhibits filed in Docket No. 07-0566 are available electronically on the Illinois Commerce Commission's website: http://www.icc.illinois.gov/. ComEd's exhibit list for Docket No. 07-0566, which provides the exhibit number, exhibit identification, file number, eDocket number, and the filing date of each ComEd exhibit in that docket, is posted on the Illinois Commerce Commission's website for that docket on May 7, 2008.

Commonwealth Edison Company
The Determination of Standard Service Connection and CTs and PTs Costs by Delivery Class

ALPCC[5] 0.0986 (C)

ALPCC[5] 0.1058 (G)

	Number of Standard Services[3]	Cost per Standard Service[4]	Annualized Cost per Standard Service	Number of Customers with Standard CTs and PTs[3]	Cost per Customer for Standard CTs and PTs[6]	Annualized Cost per Customer for Standard CTs and PTs	Annualized Service Cost and CTs and PTs Costs per Number of Standard Service		Cost per Service / CT&PTs Weighting[7]
	(A)	(B)	(D) = (B)*(C)	(E)	(F)	(H) = (F)*(G)	(I)=((A)*(D) + (E)*(H)) / (A)		(K) = (I) / (J)
Residential									
1 Single Family Without Space Heat	2,224,785	$1,216.52	$119.95	-	$0.00	[redacted]	[redacted]	(J)	1.000
2 Multi Family Without Space Heat	982,552	$246.88	$24.34	-	$0.00	[redacted]	[redacted]		0.203
3 Single Family With Space Heat	35,088	$1,216.52	$119.95	-	$0.00	[redacted]	[redacted]		1.000
4 Multi Family With Space Heat	154,290	$246.88	$24.34	-	$0.00	[redacted]	[redacted]		0.203
Nonresidential									
5 Watt-Hour	97,839	$272.39	$26.86	-	$0.00	[redacted]	[redacted]		0.224
6 Small Load (0 to 100 kW)	224,757	$422.74	$41.68	224,757	$97.48	[redacted]	[redacted]		0.433
7 Medium Load (Over 100 to 400 kW)	17,770	$478.86	$47.22	17,770	$520.95	[redacted]	[redacted]		0.853
8 Large Load (Over 400 to 1000 kW)	4,298	$698.91	$68.91	4,298	$703.29	[redacted]	[redacted]		1.195
9 Very Large Load (Over 1,000 to 10,000 kW)	1,897	$2,523.20	$248.79	1,897	$2,196.49	[redacted]	[redacted]		4.012
10 Extra Large Load (Over 10,000 kW)	53	$2,488.18	$245.33	53	$12,087.29	[redacted]	[redacted]		12.707
11 High Voltage (Up to 10,000 kW)	41	$1,244.09	$122.67	41	$15,170.24	[redacted]	[redacted]		14.403
12 High Voltage (Over 10,000 kW)	26	$2,488.18	$245.33	26	$24,086.89	[redacted]	[redacted]		23.291
13 Fixture-Included Lighting[1]	174,173	$104.55	$10.31	-	$0.00	[redacted]	[redacted]		0.086
14 Dusk to Dawn Lighting	90,151	$104.55	$10.31	-	$0.00	[redacted]	[redacted]		0.086
15 General Lighting	9,928	$104.55	$10.31	-	$0.00	[redacted]	[redacted]		0.086
16 Railroad[2]	4	$2,488.18	$245.33	2	$39,381.29	[redacted]	[redacted]		19.413
Total Residential and Nonresidential	4,017,652			248,844					

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) From Customer Information and Management System (CIMS), ComEd's billing system.
(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 Exhibit 13.1, Schedule 2b, Line 20, Pages 1 of 4 and 2 of 4.

ComEd Ex. 9.2

Commonwealth Edison Company
The Determination of Standard Metering Costs by Delivery Class

	Investment Cost per Customer for Standard Meter [3] (A)	Meter Only ALPCC[4] (B)	Annual Investment Cost per Customer for Standard Meter (C) = (A) * (B)		Cost per Customer for Standard Meter Weighting[5] (E) = (C) / (D)
Residential					
1 Single Family Without Space Heat	[redacted]	0.1058	[redacted]	(D)	1.000
2 Multi Family Without Space Heat		0.1058			1.165
3 Single Family With Space Heat		0.1058			1.000
4 Multi Family With Space Heat		0.1058			1.165
Nonresidential					
5 Watt-Hour	[redacted]	0.1058	[redacted]		1.162
6 Small Load (0 to 100 kW)		0.1792			3.828
7 Medium Load (Over 100 to 400 kW)		0.1792			4.945
8 Large Load (Over 400 to 1000 kW)		0.1792			5.788
9 Very Large Load (Over 1,000 to 10,000 kW)		0.1792			7.751
10 Extra Large Load (Over 10,000 kW)		0.1792			21.302
11 High Voltage (Up to 10,000 kW)	[redacted]	0.1792	[redacted]		10.494
12 High Voltage (Over 10,000 kW)		0.1792			23.312
13 Fixture-Included Lighting[1]	[redacted]	n.a.	[redacted]		n.a.
14 Dusk to Dawn Lighting		0.1058			1.000
15 General Lighting		0.1058			1.000
16 Railroad[2]		0.1792			23.151

Total Residential and Nonresidential

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) 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 and PTs shown on the previous page of this exhibit.
The investment cost provided to customers in each delivery class as standard is based on a ComEd metering facilities study.
(4) ALPCC based on a 10 year and a 30 year useful life are 0.1792 and 0.1058, respectively.
(5) Used in ComEd Exhibit 13.1, Schedule 2b, Line 25, Pages 1 of 4 and 2 of 4.

ComEd Ex. 9.2

Commonwealth Edison Company
The Determination of Standard Meter Reading Costs by Delivery Class

	Average Annual Standard Meter Reading Cost per Customer[3]		Per Customer Meter Reading Cost Weighting Factor[4]
	(A)		(C) = (A) / (B)
Residential			
1 Single Family with no Electric Space Heat	$11.64	(B)	1.000
2 Multi Family with no Electric Space Heat	$11.64		1.000
3 Single Family with Electric Space Heat	$11.64		1.000
4 Multi Family with Electric Space Heat	$11.64		1.000
Nonresidential			
5 Watt-Hour	$11.64		1.000
6 Small Load (0 to 100 kW)	$11.64		1.000
7 Medium Load (Over 100 to 400 kW)	$11.64		1.000
8 Large Load (Over 400 to 1000 kW)	$57.72		4.959
9 Very Large Load (Over 1,000 to 10,000 kW)	$70.05		6.018
10 Extra Large Load (Over 10,000 kW)	$186.90		16.057
11 High Voltage (Up to 10,000 kW)	$64.20		5.515
12 High Voltage (Over 10,000 kW)	$83.93		7.210
13 Fixture-Included Lighting[1]	n.a.		n.a.
14 Street Lighting - Dusk to Dawn	$11.64		1.000
15 Street Lighting - All Other Lighting	$11.64		1.000
16 Railroad[2]	$230.88		19.835

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 Exhibit 13.1, Schedule 2b, Line 39, Pages 3 of 4 and 4 of 4.

ComEd Ex. 9.2

Commonwealth Edison Company
The Determination of Billing and Accounting Costs by Delivery Class

	Average Number of Customers in 2006	LCS(ESO) Cost Allocation %[3]	LCS (ESO) Cost[3]	Billing Cost[4]	Other Customer Costs in Accounts 901 & 903[5]	Accounts 901& 903 Costs (Non SBO, Non Meter, Non SAC)	Accounts 901& 903 Costs Per Customer (Non SBO, Non Meter, Non SAC)	Per Customer Weights (Non SBO, Non Meter, Non SAC)[6]
	(A)	(C)	(E) = (C)*(D)	(F)	(O) = ((A) / (B)) * (N)	(P)=(E) +(F) +(O)	(Q) = (P) / (A)	(S) = (Q) / (R)
Residential								
1 Single Family Without Space Heat	2,224,785	0.0%	$0	$1,531,443	$38,109,073	$39,640,516	$17.82 (R)	1.000
2 Multi Family Without Space Heat	982,552	0.0%	$0	$1,264,367	$16,830,456	$18,094,823	$18.42	1.034
3 Single Family With Space Heat	35,088	0.0%	$0	$35,494	$601,034	$636,528	$18.14	1.018
4 Multi Family With Space Heat	154,290	0.0%	$0	$188,791	$2,642,884	$2,831,675	$18.35	1.030
Total Residential	3,396,715	0.0%	$0	$3,020,095	$58,183,447	$61,203,542		
Nonresidential								
5 Watt-Hour	97,839	1.0%	$73,841	$288,861	$1,675,916	$2,038,618	$20.84	1.169
6 Small Load (0 to 100 kW)	224,757	3.0%	$221,524	$940,769	$3,849,937	$5,012,230	$22.30	1.251
7 Medium Load (Over 100 to 400 kW)	17,770	3.1%	$228,908	$152,510	$304,388	$685,806	$38.59	2.166
8 Large Load (Over 400 to 1000 kW)	4,298	24.2%	$1,786,961	$61,269	$73,622	$1,921,852	$447.15	25.093
9 Very Large Load (Over 1,000 to 10,000 kW)	1,897	63.7%	$4,703,695	$107,566	$32,494	$4,843,755	$2,553.38	143.287
10 Extra Large Load (Over 10,000 kW)	53	2.7%	$199,372	$13,502	$908	$213,782	$4,033.62	226.354
11 High Voltage (Up to 10,000 kW)	41	0.9%	$66,457	$17,626	$702	$84,785	$2,067.93	116.045
12 High Voltage (Over 10,000 kW)	26	0.6%	$44,305	$11,897	$445	$56,647	$2,178.73	122.263
13 Fixture-Included Lighting[1]	2,177	0.0%	$0	$20,925	$37,291	$58,216	$26.74	1.501
14 Street Lighting - Dusk to Dawn	3,158	0.1%	$7,384	$15,385	$54,094	$76,863	$24.34	1.366
15 Street Lighting - All Other Lighting	919	0.2%	$14,768	$4,002	$15,742	$34,512	$37.55	2.107
16 Railroad[2]	2	0.5%	$36,921	$8,700	$34	$45,655	$22,827.50	1,281.004
Total Nonresidential	352,937	100.0%	$7,384,136	$1,643,012	$6,045,573	$15,072,721		
Total Residential and Nonresidential	3,749,652 (B)	100.0%	$7,384,136	$4,663,107 (G)	$64,229,020	$76,276,263		

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 allocation of Energy Services Organization (ESO), currently part of the Large Customer Service (LCS), to delivery classes was provided by LCS. The LCS (ESO) costs in Account 903 in 2006 from ComEd's general ledger were ……..……..……. $7,384,136 (D)

(4) Transferred from column (N) on Page 5 of 6 of this exhibit.

(5) Other Customer Costs in Accounts 901 & 903 are allocated to delivery classes based on the number of customers.
Other Customer Costs in Accounts 901 & 903 were costs in Accounts 901 and 903 in 2006 not related to (a) LCS (ESO), (b) Billing costs, (c) Metering Services, (d) Bill Issue and Processing, Cash and Collection related (SBO Related), and (e) Supply Administration Charge (SAC) related:

	Total	Metering Services	SBO Related	SAC Related
	(I)	(J)	(K)	(L)
Account 901	$623,915	$0	$0	$0
Account 903	$100,156,710	$6,266,036	$18,125,842	$112,483
Total Accounts 901 and 903	$100,780,625	$6,266,036	$18,125,842	$112,483

Total Other Customer Costs in Accounts 901 and 903…….. $64,229,021 (N) = (I) - (J) - (K) - (G) - (D)

(6) Used in ComEd Exhibit 13.1, Schedule 2b, Line 57, Pages 3 of 4 and 4 of 4.

ComEd Ex. 9.2

Commonwealth Edison Company
The Determination of Billing Costs by Delivery Class (Excluding Costs related to Bill Issuing and Processing)

	Average Number of Customers in 2006[3]	Average Number of Monthly Review Bills in 2006[4]		Billing Costs Related to Review Bills[5]	Total Number of Billing Adjustments in 2006[4]		Billing Costs Related to Billing Activities Other than Review Bill[5]	Billing Costs[6]
Residential	(A)	(B)		(J) = (B) * ((G) / (I))	(K)		(M) = (K) * ((H) / (L))	(N) = (J) + (M)
1 Single Family Without Space Heat	2,224,785	74		$45,985	32,850		$1,485,458	$1,531,443
2 Multi Family Without Space Heat	982,552	5		$3,107	27,892		$1,261,260	$1,264,367
3 Single Family With Space Heat	35,088	8		$4,971	675		$30,523	$35,494
4 Multi Family With Space Heat	154,290	-		$0	4,175		$188,791	$188,791
Total Residential	3,396,715	87		$54,063	65,592		$2,966,032	$3,020,095
Nonresidential								
5 Watt-Hour	97,839	4		$2,486	6,333		$286,375	$288,861
6 Small Load (0 to 100 kW)	224,757	254		$157,840	17,314		$782,929	$940,769
7 Medium Load (Over 100 to 400 kW)	17,770	141		$87,620	1,435		$64,890	$152,510
8 Large Load (Over 400 to 1000 kW)	4,298	74		$45,985	338		$15,284	$61,269
9 Very Large Load (Over 1,000 to 10,000 kW)	1,897	160		$99,427	180		$8,139	$107,566
10 Extra Large Load (Over 10,000 kW)	53	21		$13,050	10		$452	$13,502
11 High Voltage (Up to 10,000 kW)	41	28		$17,400	5		$226	$17,626
12 High Voltage (Over 10,000 kW)	26	19		$11,807	2		$90	$11,897
13 Fixture-Included Lighting[1]	2,177	1		$621	449		$20,304	$20,925
14 Street Lighting - Dusk to Dawn	3,158	1		$621	327		$14,764	$15,385
15 Street Lighting - All Other Lighting	919	-		$0	89		$4,002	$4,002
16 Railroad[2]	2	14		$8,700	-		$0	$8,700
Total Nonresidential	352,937	717		$445,557	26,481		$1,197,455	$1,643,012
Total	3,749,652	804	(I)	$499,620	92,073	(L)	$4,163,487	$4,663,107

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. The two railroad customers have a total of 14 accounts and all are review bill accounts.

(3) From CIMS, ComEd's billing system.

(4) Provided by ComEd's System Billing department.

(5) Billing costs related to review Bills and other billing activities are first determined by the number of billing clerks with responsibility in review bills and other activities.

ComEd Billing Costs not related to Bill Issuing and Processing, in 2006 from ComEd's general ledger	$4,663,107	(C)
Number of billing clerks, from ComEd's system Billing	56	(D)
Average cost per billing clerk	$83,270	(E) = (C) / (D)
Number of billing clerks work on Review Bills, provided by ComEd's System Billing	6	(F)
Billing costs related to Review Bills	$499,620	(G) = (E) * (F)
Billing costs for billing activities other than Review Bills	$4,163,487	(H) = (C) - (G)

The billing costs for review bills are allocated to delivery classes based on the average number of review bills by delivery class in 2006 and the remainder of the billing costs are allocated to delivery classes based on the total number of bill adjustments by delivery class in 2006.

(6) Transferred to column (F) on Page 4 of 6 of this exhibit.

ComEd Ex. 9.2

CRD 0001015

Commonwealth Edison Company
The Determination of Customer Information Costs by Delivery Class

	Average Number of Accounts in 2006[3] (A)	Customer Information Costs in 2006[7] (B)	Per Customer Information Costs in 2006 (F) = (B) / (A)		Per Customer Information Cost Weighting Factor[8] (H) = (F) / (G)
Residential					
1 Single Family Without Space Heat	2,224,785	$3,891,024	$1.75	(G)	1.000
2 Multi Family Without Space Heat	982,552	$1,718,428	$1.75		1.000
3 Single Family With Space Heat	35,088	$61,367	$1.75		1.000
4 Multi Family With Space Heat	154,290	$269,845	$1.75		1.000
Total Residential	3,396,715	$5,940,663			
Nonresidential					
5 Watt-Hour	97,839	$685,006	$7.00		4.000
6 Small Load (0 to 100 kW)	224,757	$1,573,605	$7.00		4.000
7 Medium Load (Over 100 to 400 kW)	17,770	$124,414	$7.00		4.000
8 Large Load (Over 400 to 1000 kW)	4,298	$30,092	$7.00		4.000
9 Very Large Load (Over 1,000 to 10,000 kW)	1,897	$13,282	$7.00		4.000
10 Extra Large Load (Over 10,000 kW)	53	$371	$7.00		4.000
11 High Voltage (Up to 10,000 kW)	41	$287	$7.00		4.000
12 High Voltage (Over 10,000 kW)	26	$182	$7.00		4.000
13 Fixture-Included Lighting[1]	2,177	$15,242	$7.00		4.000
14 Street Lighting - Dusk to Dawn	3,158	$22,110	$7.00		4.000
15 Street Lighting - All Other Lighting	919	$6,434	$7.00		4.000
16 Railroad[2]	2	$14	$7.00		4.000
Total Nonresidential	352,937	$2,471,040			
Total	3,749,652	$8,411,704			

Customer Information costs are costs recorded in Accounts 907 through 910:

Account	Amount in 2006[4]	Excluded CARE Program Costs[5]	Amount in 2006 Excluding CARE Program Cost	Residential Only[6]		Nonresidential Only[6]		Residential and Nonresidential[6]
907	$0	$0	$0	$0		$0		$0
908	$11,544,189	$3,745,285	$7,798,904	$2,451,901		$2,108,539		$3,238,463
909	$4,854,601	$4,241,801	$612,800	$0		$0		$612,800
910	$0	$0	$0	$0		$0		$0
Total	$16,398,790	$7,987,086	$8,411,704	$2,451,901	(C)	$2,108,539	(D)	$3,851,263

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) From CIMS, ComEd's billing system.
(4) ComEd FERC Form No. 1 for 2006, page 323.
(5) Schedule WPC-1d attached to ComEd Exhibit 7.0.
(6) Determined from detailed 2006 costs information recorded in Accounts 908 and 909 in ComEd's general ledger.
(7) Determined from allocating residential only costs in (C) to residential delivery classes, nonresidential only costs in (D) to nonresidential delivery classes, and residential and nonresidential costs in (E) to all delivery classes.
(8) Used in ComEd Exhibit 13.1, Schedule 2b, Line 63, Pages 3 of 4 and 4 of 4.