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COMMISSION

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FEDERAL ENERGY
REGULATORY COMMISSION

By Hand Delivery

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January 13, 2009

Honorable Kimberly Bose
Secretary
Federal Energy Regulatory Commission
888 First Street, N.E.
Washington, D.C. 20426

**Re: Commonwealth Edison Company and Commonwealth Edison Company
of Indiana, Inc., Docket No. ER09-____-000**

Dear Secretary Bose:

Pursuant to Section 205 of the Federal Power Act ("FPA"), 16 U.S.C. § 824d, and Part 35 of the Commission's Regulations, 18 C.F.R. Part 35, Commonwealth Edison Company ("ComEd") on behalf of itself and its wholly-owned subsidiary, Commonwealth Edison Company of Indiana, Inc., submits an original and five copies of this filing to revise Attachment H-13 (Network Integration Transmission Service for the ComEd Zone) of the PJM Interconnection, L.L.C. ("PJM") Open Access Transmission Tariff ("Tariff").¹ The revised tariff sheets incorporate wholesale distribution charges ("WDCs") and distribution loss factors ("DLFs") applicable to wholesale distribution service to two customers: the City of Naperville ("Naperville"), and Illinois Municipal Electric Agency on behalf of the City of St. Charles ("IMEA/St. Charles"). Naperville and IMEA/St. Charles are municipalities in Illinois. ComEd requests an effective date of April 1, 2009 for the proposed tariff changes.

¹ The facilities of Commonwealth Edison Company of Indiana, Inc. are also included in the ComEd pricing zone. There are no other transmission owners within the ComEd pricing zone.

I. Background

On November 27, 2007, the Commission issued a letter order in Docket No. ER07-1102-000, -001, -002, and -003 ("November 27 Order") accepting for filing executed Network Integration Transmission Service Agreements ("NITSAs") between PJM and: 1) Naperville, and 2) IMEA/St. Charles.² The NITSAs contain non-conforming provisions in Section 7.5 ("Other Supporting Facilities Charge") relating to ComEd's recovery of WDCs and DLFs associated with the customers' use of ComEd's distribution system. PJM's June 29, 2007 filing in Docket No. ER07-1102-000 included cost support provided by ComEd for these charges.³

The November 27 Order adopted a proposal presented by PJM in response to the Commission's earlier deficiency letter which had raised concerns about whether the WDCs and DLFs could be revised in the future by ComEd given that ComEd is not a signatory to the NITSAs. PJM proposed, and the Commission concurred, that the NITSAs remain effective as filed, but that in the future ComEd file the WDCs and DLFs under Attachment H-13 of the PJM Tariff. PJM could then amend the NITSAs to reference Attachment H-13 as containing the filed charges applicable under Section 7.5 of the NITSAs.⁴

The November 27 Order accepted the NITSAs, including the WDCs and DLFs set forth in Section 7.5 of each NITSA, effective June 1, 2007. The letter order also noted ComEd's intention to file its WDCs and DLFs under Attachment H-13 of the PJM Tariff in a future filing.

II. Instant Filing

Consistent with the November 27 Order, the instant filing revises Attachment H-13 of the PJM Tariff to reflect WDCs and DLFs applicable to wholesale distribution service provided by ComEd to Naperville and IMEA/St. Charles. ComEd does not propose any changes to the WDCs and DLFs now in effect for Naperville

² The letter order also accepted a NITSA between PJM and the City of Batavia, however, that NITSA is not relevant to this filing. ComEd no longer provides, nor receives charges for, wholesale distribution service to the City of Batavia.

³ See Attachment D (ComEd cost support for Naperville WDC and DLF) and Attachment F (ComEd cost support for IMEA/St. Charles WDC and DLF) in PJM's June 29, 2007 filing.

⁴ As noted in the November 27 Order, ComEd submitted comments in Docket No. ER07-1102-000 supporting PJM's proposal.

and IMEA/St. Charles, but rather makes this filing to reflect the charges under Attachment H-13, consistent with the November 27 Order.

Appendix A to this filing contains the revised and redlined tariff sheets for Attachment H-13 reflecting the WDCs and DLFs assessed for wholesale distribution service to Naperville and IMEA/St. Charles. Appendix B to this filing contains cost support for the WDCs and DLFs for St. Charles and Appendix C contains cost support for the WDCs and DLFs for Naperville. The WDCs are determined in accordance with ComEd's Fixed Charge Rate ("FCR") of 24% for wholesale distribution service approved by the Commission in Docket No. ER06-1194.⁵ The WDCs are derived by applying the FCR to the net distribution plant that is directly assigned to the individual customer taking wholesale distribution service from ComEd. The cost support contained in Appendix B and Appendix C is identical to that previously provided to the Commission in Docket No. ER07-1102, wherein the current NITSAs reflecting the WDCs and DLFs were accepted.

ComEd requests that the proposed revisions to Attachment H-13 be accepted effective April 1, 2009.

III. Persons On Whom This Filing Is Being Served

Pursuant to Section 35.2(d) of the Commission's regulations, a copy of this filing is being served on representatives of PJM, Naperville and IMEA/St. Charles. In addition, PJM has served a copy of this filing on all PJM Members and on all state utility regulatory commissions in the PJM Region by posting this filing electronically. Electronic service is permitted as of November 3, 2008, under the Commission's regulations⁶ pursuant to Order No. 714⁷ and the Commission's Notice of Effectiveness of Regulations issued on October 28, 2008, in Docket No. RM01-5-000. In compliance with these regulations, PJM will post a copy of this filing to the FERC filings section of its internet site, located at the following link: <http://www.pjm.com/documents/ferc.html> with a specific link to the newly-filed document, and will send an e-mail on the same date as this filing to all PJM Members

⁵ See Letter order dated August 15, 2006, accepting ComEd's FCR filing.

⁶ See 18 CFR §§ 35.2, 154.2, 154.208 and 341.2

⁷ Federal Energy Regulatory Commission, Order No. 714, 124 FERC ¶ 61,270

and all state utility regulatory commissions in the PJM Region⁸ alerting them that this filing has been made by PJM today and is available by following such link.

IV. Miscellaneous

No agreement is required by contract for the filing of this rate filing. There are no costs included in this filing that have been alleged or adjudged in any administrative or judicial proceeding to be illegal, duplicative, or unnecessary costs, nor has any expense or cost been demonstrated to be the product of discriminatory or employment practices, within the meaning of Section 35.13(d)(3).

V. Documents Enclosed

Appendix A Revised and redlined Attachment H-13 tariff pages

Appendix B Calculation of Wholesale Distribution Charges and
Distribution Loss Factors for IMEA/St. Charles

Appendix C Calculation of Wholesale Distribution Charges and
Distribution Loss Factors for Naperville

VI. Persons To Whom Correspondence Should Be Addressed

Persons to whom correspondence and communications regarding this filing should be addressed are as follows:

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⁸ PJM already maintains, updates and regularly uses e-mail lists for all PJM members and affected commissions.

January 13, 2008

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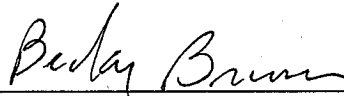
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VII. Conclusion

Wherefore, in consideration of the foregoing, ComEd respectfully requests that the Commission accept this filing.

Sincerely,



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*Attorneys for Commonwealth Edison
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APPENDIX A

Revisions to Tariff

Attachment H-13

Clean Version

Annual Rate - \$/kW/year = \$1,523,039, divided by the 1 CP demand for the ComEd zone for the prior calendar year;

Monthly Rate - \$/kW/month = Annual Rate divided by 12;

Weekly Rate - \$/kW/week = Annual Rate divided by 52;

Daily Rate - \$/kW/day = Weekly Rate divided by 5.

In order to ensure that the charge does not result in either an over-recovery or under-recovery of ComEd's start-up costs, PJM will institute an annual true-up mechanism in the month of May of each of the years 2008-2014. In May of each of those years, PJM will compare the amount collected under this charge for the previous 12 months with the target annual amount of \$1,523,039 and calculate any credits or surcharges that would be needed to ensure that \$1,523,039 is collected for each year. Any credit or surcharge will be assessed in the June bills for years 2005-2014, consistent with the above methodology.

7. An annual Fixed Charge Rate of 24% shall apply to the net distribution plant that is directly assigned to a customer taking wholesale distribution service over ComEd distribution facilities. The net distribution plant will be directly assigned to the customer based on the customer's pro-rata share of the non-coincident peak loading (or maximum net output of the unit) of the distribution facilities necessary to provide the service.
8. In accordance with Paragraph 7 above, wholesale distribution service shall be provided to the customers identified below at the identified monthly/annual charge corresponding to such customer:

Customer	Charge
Winnebago Energy Center	\$5,661/month
Town of Winnetka	\$164,080/year
Town of Rock Falls	\$166,082/year
City of Naperville	\$58,540.79/month
City of St. Charles	\$181,479/month

9. In accordance with Paragraph 3 above, the annual distribution loss factors identified below shall apply to wholesale distribution service provide to the identified customers:

Customer	Annual Distribution Loss Factor
Winnebago Energy Center	2.52%
Town of Winnetka	0.30%
Town of Rock Falls	0.83%
The City of Geneva	2.20%
City of Naperville	0.09%
City of St. Charles	1.94%

10. In accordance with the settlement reached between ComEd and Geneva in Docket No. ER06-133, when Geneva operates its generating facility ("GGF") on a behind the meter ("BTM") basis pursuant to Section 1.3B of this OATT, Geneva will pay ComEd an annual charge of \$1,075,000 (\$89,583.33 per month) for wholesale distribution service. There will be no additional charge associated with operation of the GGF on a BTM basis to serve the entirety of Geneva's load. When Geneva does not operate the GGF BTM, Geneva will pay ComEd an annual charge for wholesale distribution service of \$1,255,000 (\$104,583.33 per month). In addition, Geneva will pay ComEd a one-time fee of \$256,920.00 for a new point of interconnection to the Delnor substation on ComEd's distribution system.

Issued By: Craig Glazer
Vice President, Federal Government Policy
Issued On: January 13, 2009

Effective: April 1, 2009

Revisions to Tariff

Attachment H-13

Redline Version

Annual Rate - \$/kW/year = \$1,523,039, divided by the 1 CP demand for the ComEd zone for the prior calendar year;

Monthly Rate - \$/kW/month = Annual Rate divided by 12;

Weekly Rate - \$/kW/week = Annual Rate divided by 52;

Daily Rate - \$/kW/day = Weekly Rate divided by 5.

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<u>City of Naperville</u>	<u>\$58,540.79/month</u>
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Effective: April 1, 2009

APPENDIX B

**CALCULATION OF WHOLESALE DISTRIBUTION CHARGES
AND DISTRIBUTION LOSS FACTORS FOR ST. CHARLES**

Wholesale Delivery Charge

ComEd Wholesale Delivery Charge - City of St. Charles

				Net assigned plant
Plant Utilization				
Total Feeder Net Plant				\$2,188,560
		St Charles	Allocation	
Substation utilization	Asset MW	MW	factor	
West Chicago TSS131	228	92.3	0.408	3,002,318
Sugar Grove TDC569	89.8	12.58	0.140	1,178,162
South Elgin TDC577	127.4	15.78	0.124	1,439,188
Spaulding TSS79	129.2	13.3	0.103	823,741
Total Substation Net Plant				\$6,443,409
High voltage lines L7910 & 7915 to substation TDC577 net plant	127.4	15.78	0.124	\$443,982
Total Net Plant				\$9,073,930
Annual Fixed Charge Rate				0.24
Annual Wholesale Delivery Charge				\$2,177,743
Monthly Wholesale Delivery Charge				\$181,479

Assumptions:

Plant responsibility based on 8/1/2006 system peak loads

Plant costs as of December 31, 2006

System configuration based on June 1, 2007 capacity plan.

Youth Center supplied from St. Charles Peck Rd substation (L58931/TDC569)

Wholesale Delivery Charge

Feeder Utilization

Feeder	Section	kV	Type	Conductor Used Ft/ units	Section MW	St Charles MW	Allocation factor	Net plant
L13150	A	34.5	A	3,168	27.5	22.4	0.815	14,628
L13150	B	34.5	A	2,342	28.5	22.4	0.845	11,221
L13150	C	34.5	C	7,545	28.5	22.4	0.845	180,486
L13150	D	34.5	A	2,159	28.5	22.4	0.845	10,344
L13150	E	34.5	B	18,348	22.4	22.4	1.000	131,907
L13150	E	34.5	CAP	2	27.5	22.4	0.815	17,429
L13154	A	34.5	A	4,170	21.7	15	0.691	16,336
L13154	B	34.5	A	1,590	21.3	15	0.704	6,347
L13154	C	34.5	C	7,678	21.3	15	0.704	153,018
L13154	D	34.5	A	7,010	21.3	15	0.704	27,981
L13154	E	34.5	B	12,536	15	15	1.000	90,133
L13154	D	34.5	CAP	2	21.7	15	0.691	14,791
L13155	A	34.5	A	5,630	28	28	1.000	31,911
L13155	B	34.5	C	7,431	28	28	1.000	210,298
L13155	C	34.5	A	3,505	28	28	1.000	19,872
L13155	C	34.5	CAP	1	28	28	1.000	10,690
L13156	A	34.5	B	17,984	27.8	9.8	0.355	45,861
L13156	B	34.5	C	2,218	27.8	9.8	0.355	22,267
L13156	C	34.5	B	4,560	27.8	9.8	0.355	11,841
L13156	D	34.5	A	2,365	9.8	9.8	1.000	13,405
L13156	E	34.5	C	2,114	9.8	9.8	1.000	59,626
L13158	E	34.5	CAP	2	9.8	9.8	1.000	21,397
L13159	A	34.5	B	8,712	17.4	17.1	0.983	66,625
L13159	B	34.5	B	3,308	17.1	17.1	1.000	23,770
L56931 (6-1-07 config)	A	34.5	C	567	25.8	12.58	0.491	7,885
L56931 (6-1-07 config)	B	34.5	B	55,920	19.5	12.58	0.645	259,381
L56931 (6-1-07 config)	C	34.5	B	67	12.58	12.58	1.000	410
L56931 (6-1-07 config)	D	34.5	B	14,575	12.58	12.58	1.000	104,799
L56931 (6-1-07 config)	D	34.5	CAP	2	25.8	12.58	0.491	10,515
L57736 (6-1-07 config)	A	34.5	C	200	23.6	15.78	0.668	3,784
L57736 (6-1-07 config)	B	34.5	B	24,713	23.6	15	0.636	112,836
L57736 (6-1-07 config)	C	34.5	B	7,503	15	15	1.000	53,848
L57736 (6-1-07 config)	C	34.5	CAP	2	23.6	15	0.636	13,600
L7982 (6-1-07 config)	A	34.5	B	22,250	13.7	13.3	0.971	155,305
L7982 (6-1-07 config)	B	34.5	B	13,858	13.3	13.3	1.000	99,638
L7982 (6-1-07 config)	D	34.5	B	8,072	13.3	13.3	1.000	43,667
L7982 (6-1-07 config)	C	34.5	C	1,178	13.3	13.3	1.000	33,280
L7982 (6-1-07 config)	E	34.5	B	7,297	13.3	13.3	1.000	52,465
L7982 (6-1-07 config)	E	34.5	CAP	2	13.7	13.3	0.971	20,772
Total Net Feeder Plant								\$2,186,500

Distribution Unit Costs; 12/31/2006 ComEd System Average Original Plant Cost net of depreciation

Type	Description
A	34 kV overhead, double circuit structures
B	34 kV overhead, single circuit structures
C	34 kV cable in conduit
D	12.5 kV overhead
E	12.5 kV underground cable
CAP	Distribution Capacitor

Units / mile	Net Cost / unit	Account	A	B	C	D	E	CAP
Anchor	23.93	384	48	48	0	48	0	
Arrestor	129.42	385	2,563	2,563	0	3,417	0	

Wholesale Delivery Charge

Cable, 12 kV	12.72	367	0	0	0	0	67,162	
Cable, 34 kV	18.41	367	0	0	70,805	0	0	
Capacitor bank	10996.58	365						10,609
Conduit plastic	9.92	368	0	0	78,566	0	0	
Crossarm	80.97	364	4,275	2,375	0	2,850	0	
guy anchor-line	4.62	364	231	462	0	462	0	
manhole	5.83	366	0	0	51	0	0	
Pole 40 ft	326.17	364	0	0	0	11,481	0	
Pole 45 ft	626.06	364	0	18,366	0	0	0	
Pole 50 ft	592.57	364	10,429	0	0	0	0	
3 ph gang switch	7489.83	365						
Wire-ACSR/AL	0.67	365	12,382	14,150	0	14,150	0	
Cost per mile	Accum. Cost		\$20,927	\$37,963	\$149,423	\$32,408	\$57,162	\$10,609

Configuration assumptions

Overhead conductor is ACSR /AL Bare
 Overhead span lengths: double circuit 34 kV = 150 ft; single circuit 34 kV = 180 ft; 12.5 kV = 150 ft
 Arrestor interval: 34 kV > 800 ft; 12.5 kV > 800 ft. EBP 5.7.5.5
 Two anchors and 100 ft of guy wire per circuit mile
 Conduit configuration: 12 duct bank, 8 usable ducts
 Riser duct length = 50 ft including connection to manhole. Two risers per 2000 ft of cable.
 manhole spacing = 600 ft.

Substation Net Plant cost as of December 31, 2006

Substation	Location	Accum. Cost	Allocated Res	Net Value
TSS 181	181-TSS-Wr	\$10,160,754	\$2,809,465	\$7,351,289
TDC 569	569-TDC-SL	\$9,814,700	\$1,504,699	\$8,410,091
TDC 577	577-TDC-Sc	\$13,233,157	\$1,613,861	\$11,619,296
TSS 79	79-TSS-Spa	\$10,132,029	\$2,129,950	\$8,002,080

138 kV radial taps to TDC577

Utility Account	Year	Retirement U Qty.	Accum Cost	Allocated Reserve	Net Value	Work Order/Project
365.02	1996	Switch-Cutou	1	\$53,858	10524.85	43332.87 A04411
365.02	1996	Wire-ACSR//	91908	857848.52	167640.38	690208.14 A04411
365.02	1996	Wire-ACSR//	3495	54524.45	10655.14	43859.31 A04411
365.02	1996	Wire-Static	34703	128231.09	25068.88	103172.23 A04411
367.02	1996	Cable-Lead C	2573	190352.83	37198.66	153154.17 A04412
Line 7915				1284814.61	251077.89	1033736.72
365.02	1996	Wire-ACSR//	1020	15912.74	3109.66	12803.08 A04411
365.02	1996	Wire-Static	33498	123660.25	24165.63	99494.62 A04411
365.02	1996	Switch-Cutou	1	53867.72	10524.85	43332.87 A04412
365.02	1996	Wire-ACSR//	91908	857848.58	167640.39	690208.19 A04411
367.02	1996	Cable-Lead C	2573	190352.88	37198.67	153154.21 A04411
Line 7910				1241632.17	242639.2	998992.97
Structures						
ROW-Strct-Silver Lake-Joliet-North-Taps To Montgomery						
364.02	1996	Structure-Tr	0	1928456.48	376658.1	1551598.38 A04410
L7910 & L7915 tap Total						\$3,584,328

City of St. Charles - 2006 ComEd distribution system losses

Circuit	8/1/2006		
	Peak kW	Loss kW	% load loss
L13150	19,390	538	2.775%
L13154	21,700	369	1.700%
L13155	28,000	379	1.354%
L13156	27,600	673	2.438%
L13159	17,400	143	0.822%
L58931	29,675	1,761	6.002%
L57736	31,900	1,205	3.777%
L7962	17,700	694	3.921%
Total 34 kV circuits	193,385	5,782	2.990% a

Circuit peak loss calculated by Cymdist using 2006 peak load and configuration

Average ComEd transformer losses at FA nameplate

132-35.5 kV	
NL loss %	0.088%
FL loss %	0.485%

Substation	TR	NP MVA	8/1/2006		
			Peak MW	Loss kW	% load loss
TDC569	77	60	29.1	85.6	
TDC577	77	60	34.6	92.8	
TDC577	78	60	29.7	68.4	
TSS131	76	40	37.5	163.5	
TSS131	77	40	35.8	149.0	
TSS131	78	40	34	134.4	
TSS131	79	40	34.3	136.8	
TSS79	76	40	28.7	95.8	
TSS79	77	40	31.4	114.6	
TSS79	78	60	40.7	128.4	
Total 138-34 kV trsf		480	335.8	1148.1	0.342% b
					% NL loss c
					0.123%

Total peak 34 kV feeder and substation % loss	3.332%	d = a + b
Peak load (kW)	133,191	e
Peak loss (kW)	4,438	f = d * e
Total Energy 1/1/2006 -12/31/2006 (kWh)	559,293,082	g
Load factor	0.479	h
Average to peak loss factor	0.243	j
Load losses (kWh)	9,430,004	k = f * j * 8760
No-load losses (kWh)	1,434,293	l = c * e * 8760
Total losses (kWh)	10,864,297	m = k + l
Loss factor	1.94%	n = m / g

Illinois Youth Center supplied from St. Charles Peck Rd. substation

APPENDIX C

**CALCULATION OF WHOLESALE DISTRIBUTION CHARGES
AND DISTRIBUTION LOSS FACTORS FOR NAPERVILLE**

Taps to W601, W602 and W603 (Projects A04357 & A04389) (138 kV)

<u>Account</u>	<u>Direct Cost</u>	<u>Alloc Reserve</u>	<u>Net Value</u>
364	68,740.28	22,178.39	46,561.89
364	2,897,230.41	834,763.72	1,962,466.69
365	1,183,814.21	381,881.82	801,732.39
Total	4,149,584.90	1,338,823.93	2,810,760.97

Ease-ROW-Wheatland-Dupage Cty Tap

380	320,956.24	91,001.53	229,954.71
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Land-ROW-Wheatland-Dupage Cty Tap

380.02	-3,860.90	0.00	-3,860.90
380.02	983,535.83	0.00	983,535.83
	979,674.93		879,674.93

138 kV taps to W601, W602 and W603 use half of the width of the Wheatland-DuPage right-of-way
The remaining width is reserved for future transmission line structures

Total Easement and Land	1,209,629.64
Easement and Land allocation factor	0.50
Net Easement and Land	604,814.82

Contribution in Aid of Construction for connections, 11/22/1989			
	-791,500.00	-255,369.91	-536,130.09

Total net lines and right-of way	2,879,445.70
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W600 (138 kV)

Hypothetical 12" of conductor between W600 transmission bus and Naperville buses

Tap to W604 - tap to switch 300 ft (138 kV)

1 3 ph switch	28,983.33
1 Pole steel-75 ft	94,743.93
300 Wire-ACSR	1,933.78
300 Wire-static	224.05
Total	125,885.09
Depreciation	0.323
Net	40,815.62

Feeder W0308 (12.5 kV)

Feet	Plant Type	
21,075	net underground	268,074.00
1,266	net overhead	7,770.82
	Total net plant	275,844.82

12.5 kV feeder costs are based on system average original costs less accumulated depreciation.

<u>Work Order</u>	<u>Utility Account</u>	<u>Line</u>	<u>Retirement Unit</u>	<u>Quantity</u>	<u>Direct Cost</u>
A04387	364	L0907	Tower-Suspension	2	41,366.74
A04389	364	L0907	Tower-Suspension	0	27,373.54
Total Account 364				2	68,740.28
A04387	364	L0907	Guy- Anchor and Line	12	1,437.56
A04389	364	L0907	Guy- Anchor and Line	0	951.28
A04387	364	L0907	H Frame Brace	2	485.82
A04389	364	L0907	H Frame Brace	0	321.55
A04387	364	L0907	Pole-Steel 100 ft	3	140,718.60
A04389	364	L0907	Pole-Steel 100 ft	0	83,116.26
A04387	364	L0907	Pole-Steel 25 ft and under	3	89,617.04
A04389	364	L0907	Pole-Steel 25 ft and under	0	58,302.22
A04387	364	L0907	Pole-Steel 35 ft	6	74,690.68
A04389	364	L0907	Pole-Steel 35 ft	0	49,424.99
A04387	364	L0907	Pole-Steel 75 ft	2	114,030.53
A04389	364	L0907	Pole-Steel 75 ft	0	75,457.32
A04387	364	L0907	Pole-Steel 85 ft	17	643,771.53
A04389	364	L0907	Pole-Steel 85 ft	0	426,002.41
A04387	364	L0907	Pole-Steel 90 ft	11	314,202.73
A04389	364	L0907	Pole-Steel 90 ft	0	207,917.09
A04387	364	L0907	Pole-Steel 95 ft	4	129,358.16
A04389	364	L0907	Pole-Steel 95 ft	0	85,600.06
A04387	364	L0907	Pole-Wood 100 ft	2	6,397.67
A04389	364	L0907	Pole-Wood 100 ft	0	4,233.53
A04387	364	L0907	Pole-Wood 30 ft	4	646.92
A04389	364	L0907	Pole-Wood 30 ft	0	428.09
A04387	364	L0907	Pole-Wood 40 ft	18	4,002.53
A04389	364	L0907	Pole-Wood 40 ft	0	2,648.61
A04387	364	L0907	Pole-Wood 45 ft	6	1,911.12
A04389	364	L0907	Pole-Wood 45 ft	0	1,264.64
A04387	364	L0907	Pole-Wood 55 ft	6	6,018.62
A04389	364	L0907	Pole-Wood 55 ft	0	3,962.72
A04387	364	L0907	Pole-Wood 60 ft	5	6,488.14
A04389	364	L0907	Pole-Wood 60 ft	0	4,282.05
A04387	364	L0907	Structure (Substation or Line)	0	208,728.56
A04389	364	L0907	Structure (Substation or Line)	0	138,784.26
Total Account 364				101	2,897,230.41
A04387	365	L1804	Switch-Cutout/Disconnect	1	16,661.35
A04387	365	L0907	Switch-Cutout/Disconnect	1	16,661.35
A04387	365	L1809	Switch-Cutout/Disconnect	1	16,661.37
A04387	365	L1803	Switch-Cutout/Disconnect	1	16,661.35
A04387	365	L1804	Wire-Static	17,790	7,995.49
A04387	365	L0907	Wire-ACSR/Al-Bare-Single Conductor	57,371	123,268.75
A04387	365	L0907	Switch-30 Gang Operated	1	52,349.35
A04387	365	L1803	Wire-Static	18,178	7,995.49
A04387	365	L1803	Wire-ACSR/Al-Bare-Single Conductor	57,533	131,206.57
A04387	365	L1804	Switch-30 Gang Operated	1	52,349.35
A04387	365	L1809	Wire-Static	18,178	7,995.49
A04387	365	L1804	Wire-ACSR/Al-Bare-Single Conductor	57,371	123,268.75
A04387	365	L1809	Wire-ACSR/Al-Bare-Single Conductor	57,533	131,206.57

<u>Work Order</u>	<u>Utility Account</u>	<u>Line</u>	<u>Retirement Unit</u>	<u>Quantity</u>	<u>Direct Cost</u>
A04387	365	L0907	Wire-Static	17,790	7,995.49
A04389	365	L1809	Wire-Static	0	5,290.83
A04389	365	L1804	Wire-ACSR/Al-Bare-Single Conductor	0	81,571.19
A04389	365	L1804	Switch-Cutout/Disconnect	0	11,025.30
A04389	365	L1809	Wire-ACSR/Al-Bare-Single Conductor	0	86,823.21
A04389	365	L1804	Switch-30 Gang Operated	0	34,641.08
A04389	365	L1809	Switch-Cutout/Disconnect	0	11,025.31
A04389	365	L1803	Wire-Static	0	5,290.83
A04389	365	L0907	Switch-Cutout/Disconnect	0	11,025.30
A04389	365	L1804	Wire-Static	0	5,290.83
A04389	365	L1803	Switch-Cutout/Disconnect	0	11,025.30
A04389	365	L0907	Wire-ACSR/Al-Bare-Single Conductor	0	81,571.19
A04389	365	L0907	Switch-30 Gang Operated	0	34,641.08
A04389	365	L1803	Wire-ACSR/Al-Bare-Single Conductor	0	86,823.21
A04389	365	L0907	Wire-Static	0	5,290.83
Total				303,750	1,183,614.21

Grand Total

4,149,584.90

Distribution Plant Unit Costs; 12/31/2006 ComEd System Average Net Plant Cost

Type	Description
A	34 kV overhead, double circuit structures
B	34 kV overhead, single circuit structures
C	34 kV cable in conduit
D	12.5 kV overhead
E	12.5 kV underground cable

Units / mile	Net Cost / unit	Account	A	B	C	D	E	CAP
Anchor	\$29.93	364	\$48	\$48	\$0	\$48	\$0	
Arrestor	\$129.42	365	\$2,563	\$2,563	\$0	\$3,417	\$0	
Cable, 12 kV	\$12.72	367	\$0	\$0	\$0	\$0	\$67,162	
Cable, 34 kV	\$13.41	367	\$0	\$0	\$70,805	\$0	\$0	
Capacitor bank	\$10,696.58	365						10696.58
Conduit plastic	\$9.92	368	\$0	\$0	\$78,568	\$0	\$0	
Crossarm	\$80.97	364	\$4,275	\$2,375	\$0	\$2,850	\$0	
guy anchor-line	\$4.62	364	\$231	\$462	\$0	\$462	\$0	
manhole	\$5.83	368	\$0	\$0	\$51	\$0	\$0	
Pole 40 ft	\$326.17	364	\$0	\$0	\$0	\$11,481	\$0	
Pole 45 ft	\$626.08	364	\$0	\$18,365	\$0	\$0	\$0	
Pole 50 ft	\$592.57	364	\$10,429	\$0	\$0	\$0	\$0	
3 ph gang switch	\$7,488.83	365						
Wire-ACSR/AL	\$0.67	365	\$12,382	\$14,150	\$0	\$14,150	\$0	
Cost per mile/unit	Net Cost		\$29,827	\$37,963	\$149,423	\$32,408	\$67,162	10696.58

Configuration assumptions

Overhead conductor is ACSR /AL

Overhead copper conductor is generally 40 years or older and should be fully depreciated

Overhead span lengths: double circuit 34 kV = 150 ft; single circuit 34 kV = 180 ft; 12.5 kV = 150 ft

Arrestor interval: 34 kV > 800 ft; 12.5 kV > 600 ft. ESP 5.7.5.5

Two anchors and 100 ft of guy wire per circuit mile

Conduit configuration: 12 duct bank, 8 usable ducts

Riser duct length = 50 ft including connection to manhole. Two risers per 2000 ft of cable.
manhole spacing = 600 ft.

List TSS103 Distribution Assets

As of December 31, 2006

Substation	Location	Accum Cost	Allocated R	Net Value
TSS 103	103-TSS-Liste	14,278,512	4,665,041	9,613,471

PRICE LEVEL: NOVEMBER 2001										
DATE: 11/26/01										
COST ESTIMATE FOR INSTALLATION OF HYPOTHETICAL 5 MILE HV CONDUCTOR										
PREPARED BY: GIB										
ACCOUNT NO.	ITEM DESCRIPTION	QUANTITY	UNIT	MATERIAL UNIT PRICE	TOTAL MATERIAL	UNIT HOURS	TOTAL HOURS	HOURLY RATE	TOTAL LABOR	TOTAL MATERIAL & LABOR
100	CIVIL AND STRUCTURAL									
100.1	BTB WORK AND FOUNDATIONS									
100.2	CABLE TROUGH									
100.3	CONTROL BUILDING									
100.4	STRUCTURAL									
100.5	CONTINGENCY									
	TOTAL CIVIL & STRUCTURAL				\$6		0		\$0	\$6
200	ELECTRICAL									
200.1	ELECTRICAL EQUIPMENT									
	200.1.1 CONTROL, RELAY & COMBINATION PANELS									
	200.1.2 ALUMINUM TUBING									
	200.1.3 OVERHEAD CONDUCTOR AND INSULATORS									
	200.1.4 500 MCM, ACSR CONDUCTOR, 6 HO. SETORS	3 LF		\$0.34	\$1	0.008	0.073	\$0.00	\$7	\$10
	200.1.5 POWER, CONTROL & INSTRUMENTATION CABLE									
	200.1.6 STRUNG CONTAINERS									
	200.1.7 POLYMERES									
	200.1.8 WTR									
	200.1.9 CONTINGENCY									
	200.1.10 CONTINGENCY, ELECTRICAL	10.00%			\$0		0		\$1	\$1
	TOTAL ELECTRICAL				\$1		0		\$7	\$11
	TOTAL DIRECT COST				\$6		0		\$7	\$11
300	INDIRECT COSTS									
	300.1 MOBILIZATION & DEMOBILIZATION (LABOR ONLY)	5.00%					0	\$0.00	\$0	\$0
	300.2 MATERIAL HANDLING	17.00%							\$1	\$1
	300.3 WEATHER DELAY AND NON PRODUCTIVE TIME	5.00%					0	\$0.00	\$0	\$0
	300.4 ENGINEERING & PROJECT CONTROLS	10.00%					0	\$0.00	\$1	\$1
	300.5 SAFETY INCENTIVES	0.00%						\$0.00	\$0	\$0
	300.6 RELIABILITY INCENTIVES	0.00%						\$0.00	\$0	\$0
	300.7 O&M & I/FAC SUPERVISION & PROJECT CONTROLS	10.00%					0	\$0.00	\$1	\$1
	TOTAL INDIRECTS								\$1	\$1
	TOTAL DIRECT & INDIRECT COST								\$8	\$13

Naperville Energy Loss Factor

City of Naperville - 2006 ComEd Distribution System Losses

8/1/2006 17:00

ESS/FDR	Location	kW	Type	Peak loss kW	NL loss kW
W600	Rt 59-Metra	154,728	138 kV	0	0
W600	Rt 59-Metra	114,324	138 kV	0	0
W8118	Swim Club; RT59 S OF CHAMPION DR	0	12 kV feeder	0	0
W0308	Danada Woods subdv; 0.5 mi N/Warrenville, W/E	94	12 kV feeder	3	0
W804	Meadows Sub; SS 75TH ST 1E GREETRN	26,851	138 kV	0	0
W602	Springbrook - L1809	8,547	12 kV ESS	17	12
W601	Rt 59 & 95th - L0907	22,896	12 kV ESS	122	12
W601	Rt 59 & 95th - L1804	12,500	12 kV ESS	38	12
W602	Springbrook - L1804	17,539	12 kV ESS	72	12
W3914	Lincoln Park Apts; SS WRRNVILLE E WASH	0	12 kV feeder	0	0
W603	Royce Rd. - L1803	13,828	12 kV ESS	47	12
W603	Royce Rd. - L1809	17,541	12 kV ESS	91	12
	2006 138 kV radial losses per Cymdist analysis			18	

Total peak load losses (kW) a b
405 73

Naperville peak 30 min coincident load (kW) 388,049 c
 Total Energy 1/1/2006 - 12/31/2006 (kWh) 1,492,860,557 d
 Load factor 0.438 e = d / (8760 * c)
 Average to peak loss ratio 0.206 d
 Load losses kWh 725,471 e = a * d * 8760
 No-load losses kWh 841,232 f = b * 8760
 Total losses kWh 1,366,703 g = e + f

 Loss factor 0.09% h = g / d

Substation	Transformer	MVA	%Z @ 15 MVA	No load kW	kW loss @ 15 MVA	X/R
W601	75XA	15	8.95	12.1	52.5	25.8
W601	75XB	15	8.99	12.3	52.3	25.8
W602	72XA	15	9.02	12.1	52.3	25.9
W602	72XB	15	9.01	12.3	52.6	25.6
W603	85XA	15	8.91	12.4	54.0	24.7
W603	85XB	15	9.06	12.0	66.9	20.3

Average transformer loss factors - %NP (Naperville 15 MVA OA, 132-12.47 KV)
no load 0.081%
load 0.368%

Typical feeder losses

Feeder	Peak kW	Peak loss kW	% peak loss
W0308	8082	417	0.052
W3914	4875	59	0.012
W8118	7572	369	0.049
Naperville gr	20529	845	0.041
J3672	7137	163	0.023
J3673	7342	58	0.008
J3674	7222	172	0.024
J3675	5680	113	0.020
J3676	6745	167	0.025
J3677	7609	350	0.046
J3678	7218	269	0.041
J3679	6748	514	0.076
J3680	5928	114	0.019
J3681	6909	150	0.022
J3682	6873	222	0.032
J3683	5170	70	0.014
J3684	6247	244	0.039
J3685	7018	164	0.023
J3686	3260	48	0.015
J3687	6845	138	0.020
J3688	5855	551	0.094
J3689	1058	13	0.012
J3690	7168	185	0.026
J3691	7076	340	0.048
J3693	6869	224	0.033
Hillcrest group	131999	4289	0.033
Combined	152528	5144	0.034

CERTIFICATE OF SERVICE

I hereby certify that I have, on this day, caused a copy of the foregoing to be served upon representatives from PJM, the City of Naperville, the Illinois Municipal Electric Agency on behalf of the City of St. Charles, and the Illinois Commerce Commission.

Dated at Washington, DC, this 13th day of January, 2009.



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