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**PUBLIC SERVICE
COMMISSION**

COMMONWEALTH OF KENTUCKY

BEFORE THE

PUBLIC SERVICE COMMISSION OF KENTUCKY

IN THE MATTER OF:

**ADJUSTMENT OF RATES OF)
KENTUCKY POWER COMPANY) Case No. 2009-00459**

**KENTUCKY POWER RESPONSES TO COMMISSION STAFF'S
FIRST SET OF DATA REQUEST**

VOLUME 2 of 2

January 20, 2010

Kentucky Power Company

REQUEST

Provide the following tax data for the test year for total company:

a. Income taxes:

- (1) Federal operating income taxes deferred – accelerated tax depreciation;
- (2) Federal operating income taxes deferred – other (explain);
- (3) Federal income taxes – operating;
- (4) Income credits resulting from prior deferrals of federal income taxes;
- (5) Investment tax credit net;
 - (i) Investment credit realized;
 - (ii) Investment credit amortized – Pre-Revenue Act of 1971;
 - (iii) Investment credit amortized – Revenue Act of 1971.
- (6) The information in Item 26(a)(1-4) for state income taxes;
- (7) A reconciliation of book to taxable income as shown in Schedule 26(a)(7) and a calculation of the book federal and state income tax expense for the test year using book taxable income as the starting point;
- (8) A copy of federal and state income tax returns for the taxable year ended during the test year, including supporting schedules; and
- (9) A schedule of franchise fees paid to cities, towns, or municipalities during the test year, including the basis of these fees.

b. An analysis of other operating taxes as shown in Schedule 26b.

RESPONSE

a .(1) See the Company's Application filing, Volume 2, Section V - Workpaper S-10 page 3 line 138 column 8 "Electric Utility".

(2) See Volume 2, Section V - Workpaper S-10 page 3 lines 139 through 233 column 8 "Electric Utility".

(3) See Volume 2, Section V - Workpaper S-10 page 2 line 136 column 8 "Electric Utility".

(4) See response to a.(1) and a.(2) above.

(5)(i) There is no Investment tax credit available or realized during the test year.

(5)(ii) There is no Investment tax credit amortized - Pre-Revenue Act of 1971.

(5)(iii) See Volume 2, Section V - Workpaper S-10 page 3 line 247 column 8 "Electric Utility".

(6)(1) Per Commission precedent, we do not record deferred state income taxes - accelerated depreciation in cost of service.

(6)(2) Per Commission precedent, we do not record deferred state income taxes - other in cost of service.

(6)(3) See Volume 2, Section V - Workpaper S-10 page 2 line 132 column 8 "Electric Utility" for Current Federal Income Taxes - Operating.

(6)(4) . Per Commission precedent, deferred state income taxes are not recorded in cost of service.

(7) Please see attached Pages 3 through 9 of this response.

(8) A copy of the 2008 federal income tax return is voluminous and will be made available in the Frankfort office for review upon request. Copies of 2008 state income tax returns are voluminous and will be made available in the Frankfort office for review upon request.

(9) Please see attached Page 10 of this response.

b. Please see attached Page 11 of this response.

WITNESS: Errol K Wagner/J B Bartsch

Line No.	Item (a)	Total Company (b)	Total Company Non-Utility (c)	Non-Recurring & Other (d)	System Sales & Transmission Revenues (e)	Electric Utility Kentucky Retail (f)	Other Jurisdictional (g)
1	Net Income per Books	11,976,965	3,276,837	5,462,862	5,628,431	24,813,922	1,531,173
2	Add Income Taxes:						
3	Federal Income Tax - Current	(1) (14,032,973)		14,032,973			
4	Federal Income Tax - Deferred Depreciation	(2) (25,823,025)		25,823,025			
5	Federal Income Tax - Deferred Other	(1) 47,188,787		(47,188,787)			
6	Investment Tax Credit Adjustment	(1) (826,424)		826,424			
7	Federal Income Taxes Charged to Other Income and Deductions	(872,285)		872,285			
8	State Income Taxes	(1) (1,043,503)		1,043,503			
9	State Income Taxes Charged to Other Income and Deductions	15,549		(15,549)			
10	Net Income Before Taxes	<u>16,583,091</u>	<u>3,276,837</u>	<u>856,736</u>	<u>5,628,431</u>	<u>24,813,922</u>	<u>1,531,173</u>
11	Differences Between Book Income and Taxable Income per Tax Return:					8,247,102	74,898
12	BK VS TAX DEPR - FLOW THROUGH	(2) 8,322,000				11,364	0
13	AOFUDC-HRJ POST IN-SERV	11,364				82,713	499
14	NON-DEDUCT MEALS AND T&E	83,212				0	0
15	NON-DEDUCT FINES & PENALTIES	1,391		(1,391)		0	0
16	NON-DEDUCT LOBBYING	219,564		(219,564)		(8,077,641)	(73,359)
17	REMOVAL COSTS	(8,151,000)				0	0
18	MANUFACTURING DEDUCTION	198,000		(198,000)		0	0
19	AOFUDC	(221,913)		221,913		0	0
20	SFAS 106 - POST RETIRE BEN MEDICARE	(856,257)				(851,119)	(5,138)
21	BK VS TAX DEPR - NORM	(2) (34,145,025)				(33,837,720)	(307,305)
22	ABFUDC	(814,744)				(807,411)	(7,333)
23	ABFUDC-HRJ POST IN-SERV	22,044				22,044	0
24	SEC 481 PENS/OPEB ADJUSTMENT	(118)				(117)	(1)
25	INT EXP CAPITALIZED FOR TAX	1,580,026				1,565,806	14,220
26	DEFD FUEL - NET	21,616,789				21,616,789	0
27	PROVS POSS REV REFDS-A/L	(714,190)				(704,906)	(9,284)
28	PROV REV REFV-WEST COAST ELECTRIC-B/L	1,101,750	(1,101,750)			0	0
29	PERCENT REPAIR ALLOWANCE	(1,800,002)				(1,783,802)	(16,200)
30	BOOK/TAX UNIT OF PROPERTY ADJ	(3,636,000)				(3,603,276)	(32,724)
31	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	(27,945,000)				(27,693,495)	(251,505)
32	TX AMORT POLLUTION CONT EQPT	2,763,000				2,724,318	38,682
33	CAPITALIZED RELOCATION COSTS	(177,002)				(175,409)	(1,593)
34	MTM BK GAIN-B/L-TAX DEFL	986,098	(986,098)			0	0
35	MTM BK GAIN-A/L-TAX DEFL	(15,747,017)				(15,542,306)	(204,711)
36	MARK & SPREAD-DEFL-283-A/L	10,359,864				10,225,186	134,678
37	MARK & SPREAD-DEFL-190-A/L	(9,726,188)				(9,599,748)	(126,440)
38	PROV WORKER'S COMP	(62,499)				(62,124)	(375)
39	ACCRUED BK PENSION EXPENSE	3,461,780				3,441,009	20,771
40	ACCRUED BK PENSION COSTS - SFAS 158	(1,099,776)				(1,093,177)	(6,599)
41	SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN	3,411				3,391	20

Line No.	Item (a)	Total Company (b)	Total Company Non-Utility (c)	Non-Recurring & Other (d)	System Sales & Transmission Revenues (e)	Electric Utility Kentucky Retail (f)	Other Jurisdictional (g)
						(1,798)	(11)
		(1,809)				98,892	597
42	ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	99,489				(386,625)	(2,334)
43	ACCRD BK SUP. SAVINGS PLAN EXP	(388,959)				(4,520,982)	0
44	ACCRUED PSI PLAN EXP	(4,520,982)				104,118	1,371
45	BK PROV UNCOLL ACCTS	105,489				38,284	504
46	PROV-TRADING CREDIT RISK - A/L	38,788				0	0
47	PROV-FAS 157 - A/L	18,189	(18,189)			0	0
48	PROV-TRADING CREDIT RISK - B/L	89,158	(89,158)			131,477	794
49	PROV-FAS 157 - B/L	132,271				(1)	0
50	ACCRUED BOOK VACATION PAY	(1)				260,839	3,436
51	ACCRUED INTEREST EXP -STATE	264,275				147,454	2,094
52	ACCRUED INTEREST-LONG-TERM - FIN 48	149,548				(426,072)	0
53	REG ASSET - DEFERRED RTO COSTS	(426,072)				(630,761)	0
54	FEDERAL MITIGATION PROGRAMS	(630,761)				(13,380)	(176)
55	STATE MITIGATION PROGRAMS	(13,556)				24,873	150
56	DEFD BK CONTRACT REVENUE	25,023				214,244	2,822
57	BK DEFL-DEMAND SIDE MNGMT EXP	217,066				0	0
58	BOOK > TAX BASIS - EMA-A/C 283	15,235	(15,235)			(38,059)	(501)
59	TAX > BOOK BASIS EMA - 190 (B/L)	(38,560)				(8,933)	(118)
60	DEFD TAX GAIN-EPA AUCTION	(9,051)				3,168,780	41,737
61	ADVANCE RENTAL INC (CUR MO)	3,210,517				0	0
62	REG LIAB-UNREAL MTM GAIN-DEFL	(22,428)	22,428			1,093,177	6,599
63	REG ASSET - DEFERRED EQUITY CARRYING CHGS	1,099,776				1,798	11
64	REG ASSET - SFAS 158 - PENSIONS	1,809				1,179,816	7,122
65	REG ASSET - SFAS 158 - SERP	1,186,938				0	0
66	REG ASSET - SFAS 158 - OPEB	51,152	(51,152)			(764)	(7)
67	PROVISION FOR LITIGATION	(771)				(71,801)	(652)
68	CAPITALIZED SOFTWARE COSTS-TAX	(72,453)				1,331,392	12,091
69	BOOK LEASES CAPITALIZED FOR TAX	1,343,483				33,346	303
70	CAPITALIZED SOFTWARE COST-BOOK	33,649				618,802	3,735
71	LOSS ON REACQUIRED DEBT	622,537				(1,179,816)	(7,122)
72	ACCRD SFAS 106 PST RETIRE EXP	(1,186,938)				(359,347)	(2,169)
73	ACCRD OPEB COSTS - SFAS 158	(361,516)				2,852,343	25,904
74	ACCRD SFAS 112 PST EMPLOY BEN	2,878,247				(1,511,166)	(19,904)
75	ACCRD BOOK ARO EXPENSE - SFAS 143	(1,531,070)				51,396	677
76	ACCRUED SALES & USE TAX RESERVE	52,073				34,434	208
77	ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	34,642				(43,069)	(567)
78	NON-TAXABLE-DEFD COMP-CSV EARN	(43,636)				0	0
79	FIN 48 DSIT	119,664	(119,664)			(32,666)	(430)
80	CHARITABLE CONTRIBUTION CARRYFWD	(33,096)				4,260,042	0
81	BK DEFL - MERGER COSTS	4,260,042				(4,260,042)	0
82	SFAS 109 - DEFD SIT LIABILITY	(4,260,042)				359,347	2,169
83	REG ASSET - SFAS 109 DSIT LIAB	361,516				(26,075)	(343)
84	REG ASSET - ACCRUED SFAS 112	(26,418)					
85	1991-1996 IRS AUDIT SETTLEMENT						

Line No.	Item (a)	Total Company (b)	Total Company Non-Utility (c)	Non-Recurring & Other (d)	System Sales & Transmission Revenues (e)	Electric Utility Kentucky Retail (f)	Other Jurisdictional (g)
86	State Income Taxes	<u>524,035</u>	<u> </u>	<u>(167,258)</u>	<u> </u>	<u>422,075</u>	<u>(65,298)</u>
87	Taxable Income	<u><u>(34,416,855)</u></u>	<u><u>697,064</u></u>	<u><u>713,391</u></u>	<u><u>5,628,431</u></u>	<u><u>(28,163,035)</u></u>	<u><u>785,066</u></u>
						(3)	

(1) Note: See Section V, Workpaper S-10, Page 1 - 3
 (2) Note: See Page 2 of 2
 (3) Note: See Section V, Workpaper S-10, Page 1 - 3

<u>Line No.</u>	<u>Depreciation Description</u>	<u>Federal Income Tax Deferred Depreciation</u>
		24,000
1	Liberalized Depreciation	1,314,000
2	CLS Life Depreciation (ADR)	(35,483,025)
3	ACRS Benefit Normalized	8,322,000
4	Excess Tax Vs S/L Book Depreciation	
		<u>-25,823,025</u>
5	Total	

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		11,976,965	3,276,837	5,462,862	5,628,431	24,813,922	1,531,173
1	Net Income per Books			14,032,973			
2	Add Income Taxes:	(1) (14,032,973)		25,823,025			
3	Federal Income Tax - Current	(2) (25,823,025)		(47,188,787)			
4	Federal Income Tax - Deferred Depreciation	(1) 47,188,787		826,424			
5	Federal Income Tax - Deferred Other	(1) (826,424)		872,285			
6	Investment Tax Credit Adjustment			1,043,503			
7	Federal Income Taxes Charged to Other Income and Deductions	(1) (1,043,503)		(15,549)			
8	State Income Taxes	15,549					
9	State Income Taxes Charged to Other Income and Deductions						
		<u>16,583,091</u>	<u>3,276,837</u>	<u>856,736</u>	<u>5,628,431</u>	<u>24,813,922</u>	<u>1,531,173</u>
10	Net Income Before Taxes					8,247,102	74,898
11	Differences Between Book Income and Taxable Income per Tax Return:	(2) 8,322,000				11,364	0
12	BK VS TAX DEPR - FLOW THROUGH	11,364				82,713	499
13	AOFUDC-HRJ POST IN-SERV	83,212	(1,391)			0	0
14	NON-DEDUCT MEALS AND T&E	1,391	(219,564)			(8,077,641)	(73,359)
15	NON-DEDUCT FINES & PENALTIES	219,564				0	0
16	NON-DEDUCT LOBBYING	(8,151,000)		(198,000)		0	0
17	REMOVAL COSTS	198,000		221,913		(851,119)	(5,138)
18	MANUFACTURING DEDUCTION	(221,913)				(33,837,720)	(307,305)
19	AOFUDC	(856,257)				(807,411)	(7,333)
20	SFAS 106 - POST RETIRE BEN MEDICARE	(2) (34,145,025)				22,044	0
21	BK VS TAX DEPR - NORM	(814,744)				(117)	(1)
22	ABFUDC	22,044				1,565,806	14,220
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24	SEC 481 PENS/OPEB ADJUSTMENT	1,580,026				(704,906)	(9,284)
25	INT EXP CAPITALIZED FOR TAX	21,616,789				0	0
26	DEFD FUEL - NET	(714,190)				(1,783,802)	(16,200)
27	PROVS POSS REV REFDS-A/L	1,101,750	(1,101,750)			(3,603,276)	(32,724)
28	PROV REV REFD-WEST COAST ELECTRIC-B/L	(1,800,002)				(27,693,495)	(251,505)
29	PERCENT REPAIR ALLOWANCE	(3,636,000)				2,724,318	38,682
30	BOOK/TAX UNIT OF PROPERTY ADJ	(27,945,000)				(175,409)	(1,593)
31	BK/TX UNIT OF PROPERTY ADJ-SEC 481 ADJ	2,763,000				0	0
32	TX AMORT POLLUTION CONT EQPT	(177,002)				(15,542,306)	(204,711)
33	CAPITALIZED RELOCATION COSTS	986,098	(986,098)			10,225,186	134,678
34	MTM BK GAIN-B/L-TAX DEFL	(15,747,017)				(9,599,748)	(126,440)
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37	MARK & SPREAD-DEFL-190-A/L	(62,499)				(1,093,177)	(6,599)
38	PROV WORKER'S COMP	3,461,780				3,391	20
39	ACCRUED BK PENSION EXPENSE	(1,099,776)					
40	ACCRUED BK PENSION COSTS - SFAS 158	3,411					
41	SUPPLEMENTAL EXECUTIVE RETIREMENT PLAN						

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						(1,798)	(11)
42	ACCRD SUP EXEC RETIR PLAN COSTS-SFAS 158	(1,809)				98,892	597
43	ACCRD BK SUP. SAVINGS PLAN EXP	99,489				(386,625)	(2,334)
44	ACCRUED PSI PLAN EXP	(388,959)				(4,520,982)	0
45	BK PROV UNCOLL ACCTS	(4,520,982)				104,118	1,371
46	PROV-TRADING CREDIT RISK - A/L	105,489				38,284	504
47	PROV-FAS 157 - A/L	38,788				0	0
48	PROV-TRADING CREDIT RISK - B/L	18,189	(18,189)			0	0
49	PROV-FAS 157 - B/L	89,158	(89,158)			131,477	794
50	ACCRUED BOOK VACATION PAY	132,271				(1)	0
51	ACCRUED INTEREST EXP -STATE	(1)				260,839	3,436
52	ACCRUED INTEREST-LONG-TERM - FIN 48	264,275				147,454	2,094
53	REG ASSET - DEFERRED RTO COSTS	149,548				(426,072)	0
54	FEDERAL MITIGATION PROGRAMS	(426,072)				(630,761)	0
55	STATE MITIGATION PROGRAMS	(630,761)				(13,380)	(176)
56	DEFD BK CONTRACT REVENUE	(13,556)				24,873	150
57	BK DEFL-DEMAND SIDE MNGMT EXP	25,023				214,244	2,822
58	BOOK > TAX BASIS - EMA-A/C 283	217,066				0	0
59	TAX > BOOK BASIS EMA - 190 (B/L)	15,235	(15,235)			(38,059)	(501)
60	DEFD TAX GAIN-EPA AUCTION	(38,560)				(8,933)	(118)
61	ADVANCE RENTAL INC (CUR MO)	(9,051)				3,168,780	41,737
62	REG LIAB-UNREAL MTM GAIN-DEFL	3,210,517				0	0
63	REG ASSET - DEFERRED EQUITY CARRYING CHGS	(22,428)	22,428			1,093,177	6,599
64	REG ASSET - SFAS 158 - PENSIONS	1,099,776				1,798	11
65	REG ASSET - SFAS 158 - SERP	1,809				1,179,816	7,122
66	REG ASSET - SFAS 158 - OPEB	1,186,938				0	0
67	PROVISION FOR LITIGATION	51,152	(51,152)			(764)	(7)
68	CAPITALIZED SOFTWARE COSTS-TAX	(771)				(71,801)	(652)
69	BOOK LEASES CAPITALIZED FOR TAX	(72,453)				1,331,392	12,091
70	CAPITALIZED SOFTWARE COST-BOOK	1,343,483				33,346	303
71	LOSS ON REACQUIRED DEBT	33,649				618,802	3,735
72	ACCRD SFAS 106 PST RETIRE EXP	622,537				(1,179,816)	(7,122)
73	ACCRD OPEB COSTS - SFAS 158	(1,186,938)				(359,347)	(2,169)
74	ACCRD SFAS 112 PST EMPLOY BEN	(361,516)				2,852,343	25,904
75	ACCRD BOOK ARO EXPENSE - SFAS 143	2,878,247				(1,511,166)	(19,904)
76	ACCRUED SALES & USE TAX RESERVE	(1,531,070)				51,396	677
77	ACCRD SIT TX RESERVE-LNG-TERM-FIN 48	52,073				34,434	208
78	NON-TAXABLE-DEFD COMP-CSV EARN	34,642				(43,069)	(567)
79	FIN 48 DSIT	(43,636)				0	0
80	CHARITABLE CONTRIBUTION CARRYFWD	119,664	(119,664)			(32,666)	(430)
81	BK DEFL - MERGER COSTS	(33,096)				4,260,042	0
82	SFAS 109 - DEFD SIT LIABILITY	4,260,042				(4,260,042)	0
83	REG ASSET - SFAS 109 DSIT LIAB	(4,260,042)				359,347	2,169
84	REG ASSET - ACCRUED SFAS 112	361,516				(26,075)	(343)
85	1991-1996 IRS AUDIT SETTLEMENT	(26,418)					

Line No.	Item (a)	Total Company (b)	Total Company Non-Utility (c)	Non-Recurring & Other (d)	System Sales & Transmission Revenues (e)	Electric Utility Kentucky Retail (f)	Other Jurisdictional (g)
86	Bonus Depreciation Adjustment	<u>22,843,391</u>	<u> </u>	<u> </u>	<u> </u>	<u>22,637,800</u>	<u>205,591</u>
87	Taxable Income	<u><u>(12,097,499)</u></u>	<u><u>697,064</u></u>	<u><u>880,649</u></u>	<u><u>5,628,431</u></u>	<u><u>(5,947,310)</u></u> (3)	<u><u>1,055,955</u></u>

(1) Note: See Section V, Workpaper S-10, Page 1 - 3
 (2) Note: See Page 2 of 2
 (3) Note: See Section V, Workpaper S-10, Page 1 - 3

12 months ended 09/30/2009

Line No. Kentucky Revenue Franchise Fees paid for Test Year

1	City	Basis (Revenue)	Tax Rate	Tax Paid
2	Fleming Neon, City of	570,122.64	0.04	22,804.85
3	Greenup, City of	1,599,940.63	0.02	32,000.16
4	Hazard, City of	10,035,609.47	0.03	301,072.08
5	Pikeville, City of	14,329,106.53	0.03	429,876.83
6	Salersville, City of	2,793,665.29	0.04	111,746.53
7	Total	29,328,444.55		897,500.45

8 Kentucky Utility Gross Receipts License Tax paid for Test Year

9	School District	Basis (Revenue)	Tax Rate	Tax Paid
1	Boyd County	34,100,779.34	0.03	1,023,023.38
1	Ashland Independent	27,756,978.33	0.03	832,709.35
10	Russell Independent	11,886,085.66	0.03	356,582.57
2	Carter County	14,644,109.66	0.03	439,323.29
2	Rowan County	1,468,541.32	0.03	44,056.24
11	Morgan County	2,492,866.98	0.03	74,786.01
3	Lawrence County	14,044,348.34	0.03	421,330.45
3	Martin County	18,225,168.00	0.03	546,755.04
12	Pike County	89,844,161.35	0.03	2,695,324.84
4	Pikeville Independent	13,417,071.35	0.03	402,512.14
4	Paintsville Independent	7,357,531.33	0.03	220,725.94
13	Johnson County	8,408,788.00	0.03	252,263.64
5	Knott County	21,454,461.99	0.03	643,633.86
5	Jenkins Independent	4,013,439.68	0.03	120,403.19
14	Letcher County	24,676,428.32	0.03	740,292.85
6	Hazard Independent	7,088,844.32	0.03	212,665.33
6	Perry County	40,081,929.00	0.03	1,202,457.87
15	Leslie County	13,615,030.33	0.03	408,450.91
7	Jackson Independent	1,750,830.66	0.03	52,524.92
7	Breathitt County	9,065,004.36	0.03	271,950.13
16	Magoffin County	6,106,759.34	0.03	183,202.78
8	Clay County	42,478.68	0.03	1,274.36
8	Lewis County	242,283.60	0.025	6,057.09
17	Total	371,783,919.94		11,152,306.18

18 Kentucky Street Lighting Franchise Fees paid for Test Year

19	City	Basis (Revenue)	Tax Rate	Tax Paid
20	ALLEN, CITY OF	3,070.27	0.25	767.57
21	ASHLAND, CITY OF	236,760.50	0.25	59,190.14
22	ASHLAND (FLAT FEE-Qtrly)			5,500.00
23	BELLEFONTA (FLAT FEE-Annl)			750.00
24	CATLETTSBURG, CITY OF	21,581.71	0.25	5,395.42
25	COAL RUN VILLAGE, CITY OF	4,324.17	0.25	1,081.05
26	ELKHORN CITY, CITY OF	17,588.16	0.25	4,397.06
27	FLATWOODS, CITY OF	16,511.42	0.25	4,127.86
28	GRAYSON, CITY OF	35,502.39	0.25	8,875.62
29	HINDMAN, CITY OF	17,403.81	0.25	4,350.97
30	HYDEN, CITY OF	7,253.34	0.25	1,813.34
31	INEZ, CITY OF	8,842.12	0.25	2,210.55
32	JACKSON, CITY OF	34,357.37	0.25	8,589.36
33	JENKINS, CITY OF	28,161.10	0.25	7,040.30
34	LOUISA, CITY OF	16,829.31	0.25	4,207.35
35	MARTIN, CITY OF	14,093.99	0.25	3,523.52
36	PAINTSVILLE, CITY OF	51,008.66	0.25	12,752.19
37	PRESTONSBURG, CITY OF	65,335.34	0.25	16,333.84
38	RACELAND, CITY OF	13,748.32	0.25	3,437.07
39	RUSSELL, CITY OF	28,148.23	0.25	7,037.06
40	SOUTH SHORE, CITY OF	7,686.21	0.25	1,921.59
41	VICCO, CITY OF	6,203.07	0.25	1,550.78
42	WARFIELD, CITY OF	7,631.76	0.25	1,907.96
43	WAYLAND, CITY OF	6,386.16	0.25	1,596.55
44	WEST LIBERTY, CITY OF	18,784.44	0.25	4,696.13
45	WHEELWRIGHT, CITY OF	11,192.44	0.25	2,798.14
46	WHITESBURG, CITY OF	24,645.41	0.25	6,161.36
47	WORTHINGTON, CITY OF	11,981.07	0.25	2,995.29
48	Total	715,030.77		185,008.07

49 **Total Franchise Fees Paid** 12,234,814.70

Kentucky Power Company
Case No. 2005-00341
Analysis of Other Operating Taxes
12 Months Ended September 30, 2009
(000 Omitted)

Line No.	Item (a)	Charged Expense (b)	Charged to Construction (c)	Charged to Oth Accounts (1) (d)	Amounts Accrued (e)	Amount Paid (f)
1	Kentucky Retail					
2	(a) State Income (Franchise)	-\$21	\$0	\$0	-\$21	\$91
3	(b) Franchise Fees	\$0	\$0	\$0	\$0	\$0
4	(c) Ad valorem	\$9,196	\$0	\$0	\$9,196	\$8,928
5	(d) Payroll	\$1,802	\$749	\$392	\$2,942	\$2,942
6	(e) Other Taxes	\$880	\$0	\$0	\$880	\$920
7	Total Retail	\$11,857	\$749	\$392	\$12,997	\$12,881
8	Other Jurisdictions	-\$20	\$0	\$0	-\$20	\$3
9	Total per books	\$11,837	\$749	\$392	\$12,977	\$12,884

(1) charged to various balance sheet accounts

Kentucky Power Company

REQUEST

Provide a schedule of total company operations net income, per 1,000 kWh sold, per company books for the test year and the three calendar years preceding the test year. This data should be provided as shown in Schedule 27.

RESPONSE

A schedule showing the requested information in the format requested is attached.

WITNESS: Ranie K Wohnhas

Kentucky Power Company
Net Income per 1,000 kwh Sold
For the Calendar Years 2006 through 2008
And for the Test Year: 12 Months Ended Sep 30, 2009
"000" Omitted

Line No.	Item (a)	12 Months Ended			
		Calendar Years Prior to Test Year			Test Year
		2006 (b)	2007 (c)	2008 (d)	12 Months Ended September 30, 2009 (e)
1.	<u>Operating Income</u>				
2.	Operating Revenues	590,488	610,112	692,907	669,921
3.	<u>Operating Income Deductions</u>				
4.	Operating and Maintenance Expenses:				
5.	Fuel	147,877	144,115	166,915	194,217
6.	Other Power Production Expenses	234,945	259,505	332,394	286,387
7.	Transmission Expenses	6,884	8,039	6,738	314
8.	Regional Market Expenses	1,200	1,419	1,026	1,191
9.	Distribution Expenses	23,132	24,567	26,602	38,858
10.	Customer Accounts & Cust Svc Information Expense	9,832	9,724	9,055	4,752
11.	Sales Expense	0	0	0	0
12.	Administrative and General Expense	24,344	22,052	22,282	23,308
13.	Gain From Disposition of Plant	(1)	(2)	(2)	(2)
14.	Factored Cust A/R	3,396	3,811	3,239	2,667
15.	Accretion Expense	74	0	(1)	0
16.	Gain Disposition of Allowances	0	0	0	0
17.	Total (L5 through L16)	451,683	473,230	568,248	551,692
18.	Depreciation Expenses	46,264	47,154	48,029	51,011
19.	Amortization of Utility Plant Acquisition Adjustment	39	39	39	39
20.	Taxes Other Than Income Taxes	8,612	11,872	9,644	11,396
21.	Income Taxes - Federal	16,281	10,422	2,485	(14,033)
22.	Income Taxes - Other	1,647	1,132	1,571	(1,044)
23.	Provision for Deferred Income Taxes	2,371	5,434	5,031	21,366
24.	Investment Tax Credit Adjustment - Net	(1,081)	(1,006)	(875)	(826)
25.	Total Utility Operating Expenses	525,816	548,277	634,172	619,601
26.	Net Utility Operating Income	64,672	61,835	58,735	50,320

Kentucky Power Company
 Net Income per 1,000 kwh Sold
 For the Calendar Years 2006 through 2008
 And for the Test Year: 12 Months Ended Sep 30, 2009
 "000" Omitted

Line No.	Item (a)	12 Months Ended			
		Calendar Years Prior to Test Year			Test Year
		2006 (b)	2007 (c)	2008 (d)	12 Months Ended September 30, 2009 (e)
27.	<u>Other Income and Deductions</u>				
28.	Other Income:				
29.	Allowance for Funds Used During Construction	241	260	1,012	222
30.	Miscellaneous Nonoperating Income	722	542	1,434	(146)
31.	Total Other Income	963	802	2,446	76
32.	Other Income Deductions:				
33.	Miscellaneous Income Deductions	(2,260)	(1,648)	(2,431)	(2,306)
34.	Taxes Applicable to Other Income and Deductions:				
35.	Income Taxes and Investment Tax Credits	581	(5)	317	856
36.	Taxes Other Than Income Taxes	0	0	0	0
37.	Total Taxes on Other Income and Deductions	581	(5)	317	856
38.	Net Other Income and Deductions	(716)	(851)	332	(1,374)
39.	<u>Interest Charges</u>				
40.	Interest on Long-Term Debt	25,506	25,250	32,350	33,872
41.	Amortization of Debt Expense	1,176	1,071	485	483
42.	Other Interest Expense	2,272	2,193	1,701	2,614
43.	Total Interest Charges	28,954	28,514	34,536	36,969
44.	Extraordinary Items	33	0	0	
45.	Net Income	35,035	32,470	24,531	11,977
46.	1,000 kwh Sold	2.8241	2.6143	2.0662	1.1120

Kentucky Power Company

REQUEST

Provide the comparative operating statistics for total company as shown in Schedule 28.

RESPONSE

The comparative operating statistics for total company electric operations in Format 28 is attached.

WITNESS: Errol K Wagner

Kentucky Power Company
 Case No. 2009-00459
 Comparative Operation Statistics - Electric Operations
 For the Calendar Years 2006 through 2008
 And the Test Year
 (Total Company)

Line No	Item (a)	Calendar Years Prior to Test Year					Test Year 9/30/09		
		2006		2007		2008		Cost (h)	% Inc (i)
		Cost (b)	% Inc (c)	Cost (d)	% Inc (e)	Cost (f)	% Inc (g)		
1	Fuel Costs:			49.526	-1.42%	71.538	44.45%	75.090	4.97%
2	Coal - cost per ton	50.236		2.039	3.62%	3.281	60.87%	2.143	-34.68%
3	Oil - cost per gallon	1.968		0		0		0	
4	Gas - cost per MCF	0						3.120	5.17%
5	Cost Per Million BTU:	2.062		2.022	-1.98%	2.966	46.74%	15.536	-34.62%
6	Coal	14.192		14.682	3.45%	23.763	61.86%	0	
7	Oil	0		0		0			
8	Gas					14.157	20.34%	15.780	11.46%
9	Cost Per 1,000 kWh Sold:	11.559		11.764	1.77%	14.157	20.34%	15.780	11.46%
10	Coal	0.196		0.127	-35.20%	0.351	176.38%	0.245	-30.20%
11	Oil	0		0		0		0	
12	Gas							51,153	-4.89%
13	Wages and Salaries - Charged Expense:			51,100	6.47%	53,781	5.25%	51,153	-4.89%
14	Per Average Employee	47,995						3,1436	2.29%
15	Depreciation Expense:			3,1712	-1.19%	3,0732	-3.09%	3,1436	2.29%
16	Per \$100 of Average Gross Plant in Service	3,2095		40,0769	17.35%	44,7380	11.63%	46,8659	4.76%
17	Purchased Power:							0,2060	0.00%
18	Per 1,000 kWh Purchased	34,1502		0,2523	N.M	0,2154	-14.63%	0,2060	0.00%
19	Rents:								
20	Per \$100 of Average Gross Plant in Service	0,2398						0,5745	21.41%
21	Property Taxes:			0,5516	-12.53%	0,4732	-14.22%		
22	Per Average \$100 of Average Gross Plant in Service	0,6306						6,117	-3.74%
23	Payroll Taxes:			5,925	6.11%	6,355	7.25%	6,117	-3.74%
24	Per Average Number of Employees	5,584		0,1160	-0.34%	0,1182	1.90%	0,1196	1.20%
25	Per Salary Charged to Expense	0,1163		0,2236	8.79%	0,2561	14.53%	0,2731	6.66%
26	Per 1,000 kWh Sold	0,2055						6,88	-3.43%
27	Interest Expense:			6,16	0.96%	7,12	15.63%	6,88	-3.43%
28	Per \$100 of Average Debt Outstanding	6,10		1,99	-4.53%	2,35	17.87%	2,34	-0.24%
29	Per \$100 of Average Plant Investment	2,09		2,34	-1.80%	3,05	30.22%	3,51	14.94%
30	Per 1,000 kWh Sold	2,39							

Kentucky Power Company

REQUEST

Provide a statement of the plant in service, per company books, for the test year. This data should be presented as shown in Schedule 29.

RESPONSE

Please see Page 2 of 2 attached.

WITNESS: Ranie K. Wohnhas

Kentucky Power Company
Statement of Electric Plant In Service
For the Test Year October 1, 2008 Through September 30, 2009
(Total Company)

Line No.	Account Number	Title of Accounts	Beginning Balance	Additions	Retirements	Transfers	Ending Balance
		<u>Intangible Plant</u>					
1	302	Franchises and Consents	\$52,919.18	\$0.00	\$0.00	\$0.00	\$52,919.18
2	303	Intangible Property	\$22,318,217.04	\$1,688,807.00	(\$2,988,035.73)	\$0.00	\$21,018,988.31
3		Total Intangible Plant	\$22,371,136.22	\$1,688,807.00	(\$2,988,035.73)	\$0.00	\$21,071,907.49
		<u>Production Plant:</u>					
		<u>Steam Production</u>					
4	310	Land and Land Rights	\$1,076,546.00	\$0.00	\$0.00	\$0.00	\$1,076,546.00
5	311	Structures and Improvements	\$40,123,662.93	\$1,741,669.58	(\$258,545.75)	\$0.00	\$41,606,786.76
6	312	Boiler Plant Equipment	\$344,468,812.53	\$20,194,571.14	(\$4,512,970.55)	\$0.00	\$360,150,413.12
7	314	Turbogenerator Units	\$75,843,645.08	\$34,372,841.53	(\$408,587.72)	\$0.00	\$109,807,898.89
8	315	Accessory Electric Equipment	\$15,296,273.67	\$499,328.13	(\$93,262.53)	\$0.00	\$15,702,339.27
9	316	Miscellaneous Power Plant Equipment	\$7,144,147.79	\$223,610.26	(\$70,698.34)	\$0.00	\$7,297,059.71
10	317	ARO Steam Production Plant	\$468,402.69	\$2,869,019.22	\$0.00	\$0.00	\$3,337,421.91
11		Total Production Plant	\$484,421,490.69	\$59,901,039.86	(\$5,344,064.89)	\$0.00	\$538,978,465.66
		<u>Transmission Plant</u>					
12	350	Land and Land Rights	\$26,949,419.53	\$365,701.55	(\$282,500.00)	\$0.00	\$27,032,621.08
13	352	Structures and Improvements	\$6,369,879.07	\$21.99	\$0.00	\$0.00	\$6,369,901.06
14	353	Station Equipment	\$146,405,031.93	\$2,149,654.81	(\$469,233.33)	\$103,560.58	\$148,189,013.99
15	354	Towers and Fixtures	\$92,385,852.37	\$2,649,967.29	(\$22,817.58)	\$4,266.32	\$95,017,268.40
16	355	Poles and Fixtures	\$48,050,674.21	\$1,432,690.67	(\$104,144.70)	\$734,375.92	\$50,113,596.10
17	356	Overhead Conductors and Devices	\$105,572,840.88	\$4,449,796.14	(\$8,426.26)	(\$752,142.24)	\$109,262,068.52
18	357	Underground Conduit	\$11,590.00	\$0.00	\$0.00	\$0.00	\$11,590.00
19	358	Underground Conductors and Devices	\$106,066.00	\$0.00	\$0.00	\$0.00	\$106,066.00
20		Total Transmission Plant	\$425,851,353.99	\$11,047,832.45	(\$887,121.87)	\$90,060.58	\$436,102,125.15
		<u>Distribution Plant</u>					
21	360	Land and Land Rights	\$5,784,013.97	\$723,411.86	\$0.00	\$0.00	\$6,507,425.83
22	361	Structures and Improvements	\$4,257,215.95	\$34,746.30	(\$17,510.61)	\$0.00	\$4,274,451.64
23	362	Station Equipment	\$48,297,786.41	\$9,768,802.86	(\$780,275.99)	(\$90,060.58)	\$57,196,252.70
24	364	Poles, Towers and Fixtures	\$145,718,336.94	\$9,799,594.64	(\$1,387,297.32)	\$0.00	\$154,130,634.26
25	365	Overhead Conductors and Devices	\$127,065,830.59	\$15,041,554.78	(\$3,954,798.70)	\$0.00	\$138,152,586.67
26	366	Underground Conduit	\$4,233,757.89	\$691,421.96	(\$3,280.22)	\$0.00	\$4,921,899.63
27	367	Underground Conductors and Devices	\$7,575,642.54	\$457,205.71	(\$70,685.12)	\$0.00	\$7,962,163.13
28	368	Line Transformers	\$96,505,563.52	\$6,388,822.69	(\$1,872,646.45)	\$0.00	\$101,021,739.76
29	369	Services	\$37,441,684.90	\$3,711,299.32	(\$495,398.21)	\$0.00	\$40,657,586.01
30	370	Meters	\$22,565,453.62	\$1,733,264.75	(\$1,010,232.19)	\$0.00	\$23,288,486.18
31	371	Installations on Customer Premises	\$17,869,076.01	\$1,570,381.65	(\$1,239,881.07)	\$0.00	\$18,199,576.59
32	373	Street Lighting and Signal Systems	\$2,932,399.85	\$91,651.85	(\$49,492.99)	\$0.00	\$2,974,558.71
33		Total Distribution Plant	\$520,246,762.19	\$50,012,158.37	(\$10,881,498.87)	(\$90,060.58)	\$559,287,361.11
		<u>General Plant</u>					
34	389	Land and Land Rights	\$1,706,822.11	\$146,728.36	\$0.00	\$0.00	\$1,853,550.47
35	390	Structures and Improvements	\$19,910,321.83	\$124,138.77	\$0.00	\$0.00	\$20,034,460.60
36	391	Office Furniture and Equipment	\$1,324,991.26	\$3,650.88	(\$15,821.00)	\$0.00	\$1,312,821.14
37	392	Transportation Equipment	\$9,654.90	\$0.00	\$0.00	\$0.00	\$9,654.90
38	393	Stores Equipment	\$157,011.30	\$7,150.58	(\$14,160.00)	\$0.00	\$150,001.88
39	394	Tools, Shop and Garage Equipment	\$2,637,471.06	\$162,561.47	(\$75,087.00)	\$0.00	\$2,724,945.53
40	395	Laboratory Equipment	\$281,771.70	\$0.00	(\$19,393.00)	\$0.00	\$262,378.70
41	396	Power Operated Equipment	\$5,931.29	\$0.00	\$0.00	\$0.00	\$5,931.29
42	397	Communication Equipment	\$6,353,974.15	\$469,798.19	(\$16,506.00)	\$0.00	\$6,807,266.34
43	398	Miscellaneous Equipment	\$975,620.84	\$5,021.18	(\$2,039.03)	\$0.00	\$978,602.99
44		Total General Plant	\$33,363,570.44	\$919,049.43	(\$143,006.03)	\$0.00	\$34,139,613.84
45		Total Electric Plant in Service	\$1,486,254,313.53	\$123,568,887.11	(\$20,243,727.39)	\$0.00	\$1,589,579,473.25

Kentucky Power Company

REQUEST

Provide the following information for total company. If any amounts were allocated, show a calculation of the factor used to allocate each amount.

- a. A detailed analysis of all charges booked during the test year for advertising expenditures. Include a complete breakdown of Account No. 913 – Advertising Expenses, and any other advertising expenditures included in any other expense accounts, as shown in Schedule 30a. The analysis should specify the purpose of the expenditure and the expected benefit to be derived.
- b. An analysis of Account No. 930 – Miscellaneous General expenses for the test year. Include a complete breakdown of this account as shown in Schedule 30b and provide detailed workpapers supporting this analysis. At a minimum, the workpapers should show the date, vendor, reference (i.e., voucher no., etc.), dollar amount, and brief description of each expenditure of \$500 or more, provided that lesser items are grouped by classes as shown in Schedule 30b.
- c. An analysis of Account No. 426 – Other Income Deductions for the test year. Include a complete breakdown of this account as shown in Schedule 30c, and provide detailed workpapers supporting this analysis. At a minimum, the workpapers should show the date, vendor, reference (i.e., voucher no., etc.), dollar amount, and brief description of each expenditure of \$500 or more, provided that lesser items are grouped by classes as shown in Schedule 30c.

RESPONSE

- a. Please see the attached Page 2 for an analysis of advertising expenditures. The purpose/benefit of advertising in column (d) was Demand Side Management programs. The purpose/benefit of advertising in column (e) was Public Service Commission required. The purpose/benefit of advertising in column (f) was electric safety/education information.
- b. Please see the attached Page 3 for an analysis of Account No. 930 – Miscellaneous General expenses for the test year. See Pages 4 through 10 for the workpapers.
- c. Please see the attached Page 11 for an analysis of Account No. 426 – Other Income Deductions for the test year. See Pages 12 through 17 for the workpapers.

WITNESS: Ranie K Wohnhas

KENTUCKY POWER COMPANY

Case No. 2009-00459

Analysis of Advertising Expenses
 (Including Account No. 913)
 For the Test Year 12 Months Ending 9/30/09

Line No.	Item (a)	Sales or Promotional Advertising (b)	Institutional Advertising (c)	Conservational Advertising (d)	Rate Case (e)	Other (f)	Total (g)
1.	Newspaper	5,178.83			4,200.82	25,286.49	34,666.14
2.	Magazines and Other		10,118.00				10,118.00
3.	Television	3,000.00				155,789.46	158,789.46
4.	Radio			3,261.38		6,028.62	9,290.00
5.	Direct Mail						0.00
6.	Sales Aids						0.00
7.	Total	8,178.83	10,118.00	3,261.38	4,200.82	187,104.57	212,863.60
8.	Amount Assigned to Kentucky Retail	0	0	3,261.38	4,200.82	187,104.57	194,566.77

KENTUCKY POWER COMPANY

Case No. 2009-00459

**Analysis of Account No. 930 - Miscellaneous General Expenses
 For the Test Year of September 2009**

Line No.	Item (a)	Amount (b)
1	Industry Association Dues	96,250
2	Stockholder & Debt Service Expenses	12,000
3	Corporate Communication	145,012
4	Advertising	20,848
5	Sponsorships	5,000
6	Associated Business Development	1,489,708
7	Director's Fees & Expenses	600
8	AEPSC misc billings	81,361
9	Miscellaneous	(4,484)
10	Total	1,846,295
11	Amount Assigned to Kentucky Jurisdictional	1,835,217

* Include detailed workpapers supporting this analysis. Expenditures under \$500 are to be grouped by the classes shown on this format.

Amount assigned to Kentucky Jurisdiction based upon O&M Expense Labor

KENTUCKY POWER COMPANY

KPSC Case No. 2009-00459
 Commission Staff 1st Set Data Request
 Order Dated December 23, 2009
 Item No. 30-b
 Page 4 of 17

Case No. 2009-00459

Analysis of Account No. 426 - Other Income Deductions
 For the Test Year of September 2009

Grouped Classes	Acctg Date	Account	Vendor	Vendor Name or Journal ID	Voucher	Invoice	Amount	Totals
Industry Association Dues								
	2008-12-16	9302000	0000036258	KENTUCKY CHAMBER OF COMMERCE	00154206	38552	11,050.00	
	2009-01-06	9302000	0000024166	EDISON ELECTRIC INSTITUTE	00155025	DUES200907G	58,597.75	
	2009-01-13	9302000	0000073975	ASHLAND ALLIANCE	00155289	38841	3,000.00	
	2009-01-13	9302000	0000036252	KENTUCKY ASSOCIATION OF	00155287	38833	3,000.00	
	2009-03-20	9302000	0000238947	COAL MINING OUR FUTURE INC	00158139	40058	5,000.00	
	2009-06-15	9302000	0000036252	KENTUCKY ASSOCIATION OF	00161645	KAMCICHERSHIPDUES2009TD	5,340.00	
	2009-07-13	9302000	0000048319	PIKE COUNTY CHAMBER OF COMMERCE	00162824	41793	548.25	
	2009-07-22	9302000	0000056144	SOUTHEASTERN ELECTRIC EXCHANGE	01219699	2451	6,400.00	
						6 Items under \$500	814.20	
				Industry Association Dues		Total AP		93,750.20
	2008-12-31	9302000		INTCOM3680			-6,787.06	
	2008-12-31	9302000		INTCOM3683			3,883.06	
	2008-12-31	9302000		INTCOM3708			2,903.98	
	2009-01-31	9302000		INTCOM7246			-38,518.10	
	2009-01-31	9302000		INTCOM7249			22,542.38	
	2009-01-31	9302000		INTCOM7274			15,975.67	
	2009-03-20	9302000		AJERECL02			2,500.00	
	2009-03-31	9302000		INTCOM1780			-4,683.41	
	2009-03-31	9302000		INTCOM1783			2,740.93	
	2009-03-31	9302000		INTCOM1809			1,942.49	
	2009-06-30	9302000		INTCOM9219			-3,178.59	
	2009-06-30	9302000		INTCOM9222			1,848.64	
	2009-06-30	9302000		INTCOM9247			1,329.95	
	2009-07-31	9302000		INTCOM2175			-4,129.48	
	2009-07-31	9302000		INTCOM2178			2,396.73	
	2009-07-31	9302000		INTCOM2301			1,732.75	
						6 Items under \$500	-0.07	
				Industry Association Dues		Total Non AP		2,499.87
				Industry Association Dues		Total		96,250.07
Stockholder & Debt Service								
	2008-10-15	9302003	0000161113	DEUTSCHE BANK TRUST CO AMERICAS	00151435	MOXH8H	4,000.00	
	2009-09-03	9302003	0000161113	DEUTSCHE BANK TRUST CO AMERICAS	00164942	MOXH9G	4,000.00	
	2009-09-30	9302003	0000161113	DEUTSCHE BANK TRUST CO AMERICAS	00165934	MOXH9H	4,000.00	
						0 Items under \$500	0.00	
				Stockholder & Debt Service		Total		12,000.00
Corporate Communication								
	2008-10-30	9301015	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00152171	0000052012ER88	955.52	
	2008-10-30	9301015	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00152171	0000052012ER88	961.68	
	2008-11-20	9301015	0000049189	PREMIUMS & PROMOTIONS INC	00152952	460011119	654.25	
	2008-12-04	9301015	0000236873	MOORE, KEVIN L	00153498	2008COPPERAWAR	5,000.00	
	2008-12-09	9301015	0000040180	MARKETING SERVICES BY VECTRA	01151692	250550	2,457.58	
	2009-01-08	9301015	0000040180	MARKETING SERVICES BY VECTRA	01162484	251387	2,416.69	
	2009-01-19	9301013	0000099788	NATIONAL THEATRE FOR CHILDREN	01164825	1148	3,074.67	
	2009-01-21	9301015	0000036326	KENTUCKY STATE TREASURER	00155572	39404142	1,440.00	
	2009-01-26	9301013	0000099788	NATIONAL THEATRE FOR CHILDREN	01166390	1141	13,725.17	
	2009-01-30	9301015	0000040180	MARKETING SERVICES BY VECTRA	01167999	252377	2,473.34	
	2009-02-23	9301015	0000040180	MARKETING SERVICES BY VECTRA	01175127	252954	2,439.49	
	2009-03-03	9301015	0000238629	FAN-FI INTERNATIONAL	00157146	0133592IN	2,756.30	
	2009-03-12	9301013	0000099788	NATIONAL THEATRE FOR CHILDREN	01181265	1162	3,074.67	
	2009-05-07	9301015	5000964601	AM CONSERVATION GROUP INC	00160034	0084063IN	1,240.00	
	2009-05-14	9301013	0000099788	NATIONAL THEATRE FOR CHILDREN	01199998	1165	3,074.67	
	2009-05-14	9301015	0000040180	MARKETING SERVICES BY VECTRA	01200010	255322	2,397.86	
	2009-05-26	9301015	0000040180	MARKETING SERVICES BY VECTRA	01202785	255597	2,399.02	
	2009-05-29	9301015	0000040180	MARKETING SERVICES BY VECTRA	01204223	255855	2,398.89	
	2009-06-08	9301015	0000079034	AKERS, LEVI	00161230	2009COPPERAWAR	5,000.00	
	2009-06-26	9301015	0000040180	MARKETING SERVICES BY VECTRA	01212536	256641	2,397.88	
	2009-08-10	9301015	0000049189	PREMIUMS & PROMOTIONS INC	00163829	39372	645.32	
	2009-08-14	9301015	0000040180	MARKETING SERVICES BY VECTRA	01226134	257687	2,397.78	
	2009-08-31	9301015	0000040180	MARKETING SERVICES BY VECTRA	01230647	258486	2,417.91	
						80 Items under \$500	6,771.91	
				Corporate Communication		Total AP		72,570.80
	2008-10-31	9301012		SCBBIL9380			1,103.00	
	2008-10-31	9301015		INTCOM9682			-1,161.79	
	2008-10-31	9301015		INTCOM9685			664.70	
	2008-10-31	9302000		INTCOM9682			-3,029.92	
	2008-10-31	9302000		INTCOM9685			1,733.51	
	2008-10-31	9302000		INTCOM9709			1,296.42	
	2008-11-24	9301015		AJERECL05			-25,180.53	
	2008-11-25	9301015		AJERECL06			50,361.06	
	2008-11-30	9301015		STREXP0672			3,525.27	
	2008-12-31	9301001		INTCOM3680			-1,817.95	
	2008-12-31	9301001		INTCOM3683			1,040.10	

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							777.85	
	2008-12-31	9301001		INTCOM3708			11,245.58	
	2008-12-31	9301012		SCBBIL3518			2,377.12	
	2008-12-31	9301015		AP0152I			774.98	
	2008-12-31	9301015		SCBBIL3518			-2,377.12	
	2009-01-15	9301015		AP0152IR			-1,976.08	
	2009-01-31	9301001		INTCOM7246			1,156.47	
	2009-01-31	9301001		INTCOM7249			819.59	
	2009-01-31	9301001		INTCOM7274			549.52	
	2009-01-31	9301012		SCBBIL7041			-858.64	
	2009-01-31	9301015		INTCOM7246			502.51	
	2009-01-31	9301015		INTCOM7249			1,468.52	
	2009-01-31	9301015		SCBBIL7041			-1,143.63	
	2009-03-31	9301001		INTCOM1780			877.78	
	2009-03-31	9301001		INTCOM1783			5,647.71	
	2009-03-31	9301012		SCBBIL1621			-1,945.92	
	2009-03-31	9301015		INTCOM1780			1,138.83	
	2009-03-31	9301015		INTCOM1783			807.09	
	2009-03-31	9301015		INTCOM1809			1,240.00	
	2009-04-21	9301015		INDUS69155			-853.00	
	2009-04-30	9301015		INTCOM4345			-1,240.00	
	2009-05-07	9301015		INDUS76848			-1,839.55	
	2009-05-31	9301001		INTCOM6238			1,069.87	
	2009-05-31	9301001		INTCOM6241			769.68	
	2009-05-31	9301001		INTCOM6267			-892.86	
	2009-05-31	9301002		INTCOM6238			519.28	
	2009-05-31	9301002		INTCOM6241			935.45	
	2009-05-31	9301015		STREXP6361			6,753.40	
	2009-06-30	9301012		SCBBIL9042			-594.32	
	2009-07-31	9301001		INTCOM2175			931.45	
	2009-07-31	9301012		SCBBIL1828			515.74	
	2009-08-31	9301012		SCBBIL3907			-630.13	
	2009-08-31	9301015		INTCOM4117			-740.21	
	2009-09-30	9301001		INTCOM6235			5,539.84	
	2009-09-30	9301012		SCBBIL6071			12,580.66	
					283	Items under \$500		
						Total Non AP		72,441.33
			Corporate Communication					
						Total		145,011.93
			Corporate Communication					
Advertising								
	2008-10-20	9301015	0000203830	BERRY NETWORK INC	01132412	366400	1,347.40	
	2008-10-20	9301015	0000040180	MARKETING SERVICES BY VECTRA	01132342	248516	2,377.12	
	2008-11-11	9301015	0000040180	MARKETING SERVICES BY VECTRA	01141054	249523	2,854.34	
	2008-11-19	9301015	0000040180	MARKETING SERVICES BY VECTRA	01144075	247737	2,461.72	
	2008-11-20	9301015	0000203830	BERRY NETWORK INC	01144868	368802	1,343.49	
	2008-12-17	9301001	0000106900	WYMT-TV	00154225	446540	3,000.00	
	2008-12-18	9301015	0000203830	BERRY NETWORK INC	01155753	371232	1,676.75	
	2009-01-19	9301001	0000181276	KENTUCKY ROLL CALL	00155482	611186388	2,064.00	
	2009-01-27	9301001	0000036252	KENTUCKY ASSOCIATION OF	00155795	12265	1,250.00	
	2009-02-18	9301015	0000203830	BERRY NETWORK INC	01174034	375972	5,268.51	
	2009-03-11	9301001	0000177173	INDEPENDENT, THE	00157570	0209669352	3,597.30	
	2009-03-11	9301001	0000043691	MOUNTAIN CITIZEN	00157569	022609BILLING	677.25	
	2009-03-12	9301001	0000184941	BIG SANDY NEWS/TRI-RIVERS ADVERTISER	00157586	2407	892.50	
	2009-03-12	9301001	0000034157	INTERMOUNTAIN PUBLISHING CO INC	00157599	JT61077	756.00	
	2009-03-12	9301001	0000046968	PAINTSVILLE HERALD	00157594	13948714	838.50	
	2009-03-16	9301001	0000235641	HEARTLAND PUBLICATIONS LLC	00157877	00028368	774.00	
	2009-03-17	9301001	0000036308	KENTUCKY PRESS SERVICE INC	00157919	09031KKO	502.64	
	2009-03-19	9301015	0000203830	BERRY NETWORK INC	01183512	378333	640.68	
	2009-03-20	9301001	0000218596	CURRENT MEDIA INC	00158152	4925	850.00	
	2009-05-13	9301001	0000072088	APPALACHIAN NEWS EXPRESS	00160263	27589127	563.86	
	2009-05-13	9301001	0000235641	HEARTLAND PUBLICATIONS LLC	00160261	00021696	582.76	
	2009-05-13	9301001	0000177173	INDEPENDENT, THE	00160264	0409669352	1,523.82	
	2009-05-13	9301002	0000063827	WDHR	00160259	109047	1,080.00	
	2009-06-19	9301001	0000053121	SALYERSVILLE INDEPENDENT	00161828	033109BILLING	500.00	
	2009-07-17	9301001	0000230216	KNOTT COUNTY SPORTSPLEX	00162990	233	1,000.00	
	2009-07-20	9301015	0000203830	BERRY NETWORK INC	01218966	387359	2,923.15	
	2009-08-06	9301001	0000177173	INDEPENDENT, THE	00163692	7999	500.00	
	2009-09-18	9301001	0000221351	BACK HOME IN KENTUCKY INC	00165520	2428	995.00	
					19	Items under \$500	3,188.18	
			Advertising			Total AP		46,028.97
	2008-11-24	9301015		AJERECL05			25,180.53	
	2008-11-25	9301015		AJERECL06			-50,361.06	
					0	Items under \$500	0.00	
			Advertising			Total Non AP		-25,180.53
			Advertising			Total		20,848.44
			Sponsorships					

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Sponsorships	2008-10-22	9302000	0000225380	EAST KENTUCKY MINERS	00151877	100608SPONSORSHIP	5,000.00	
					0	Items under \$500	0.00	
				Sponsorships		Total		5,000.00
Associated Business Development								
	2008-10-07	9302007	5002011004	COOPER POWER SYSTEMS	00150799	0902298636	1,200.12	
	2008-10-07	9302007	5002011004	COOPER POWER SYSTEMS	00150799	0902298636	20,002.00	
	2008-11-25	9302007	0000172532	ELLIOT UNDERGROUND/OKLAHOMA INC	00153242	202768	9,802.04	
	2008-11-26	9302007	5002968501	GUDENKAUF CORP	00153295	290939	2,120.00	
	2008-12-08	9302007	5003270201	HOWARD INDUSTRIES INC	00152157	172001832116	5,050.92	
	2008-12-08	9302007	0000182888	WELLS, SHANNON	00153728	LEASE10038	1,000.00	
	2008-12-18	9302007	5002011004	COOPER POWER SYSTEMS	00707032	0902032677	20,002.00	
	2009-02-24	9302007	5002010903	COOPER LIGHTING	00736194	903314337	1,865.68	
	2009-03-03	9302007	5002010903	COOPER LIGHTING	00738755	903413184	896.10	
	2009-03-03	9302007	5002010903	COOPER LIGHTING	00738755	903413184	14,935.00	
	2009-03-06	9302007	5003040101	HAPCO	00739125	168732	1,000.00	
	2009-03-06	9302007	5003040101	HAPCO	00739125	168732	1,536.42	
	2009-03-06	9302007	5003040101	HAPCO	00739125	168732	25,607.00	
	2009-03-13	9302007	0000172532	ELLIOT UNDERGROUND/OKLAHOMA INC	00157750	216481	5,014.70	
	2009-03-16	9302007	0000172532	ELLIOT UNDERGROUND/OKLAHOMA INC	00157805	216616	4,626.10	
	2009-03-26	9302007	0000172532	ELLIOT UNDERGROUND/OKLAHOMA INC	00158385	217919	2,691.67	
	2009-03-26	9302007	0000172532	ELLIOT UNDERGROUND/OKLAHOMA INC	00158386	217920	3,387.40	
	2009-03-30	9302007	5002883601	GOOD-ONE EXCAVATING	00158473	15236	3,544.20	
	2009-03-30	9302007	5002883601	GOOD-ONE EXCAVATING	00158474	15216	7,954.96	
	2009-04-01	9302007	5103947801	MANAGEMENT RECRUITERS OF PICKE	00327864	900030292	5,524.64	
	2009-04-08	9302007	5001110809	ASPLUNDH TREE EXPERT CO	00549615	186892	5,427.32	
	2009-04-08	9302007	0000239268	FALCO ELECTRIC INC	00158876	9610	42,038.50	
	2009-04-13	9302007	0000172532	ELLIOT UNDERGROUND/OKLAHOMA INC	00158951	219590	1,538.77	
	2009-04-27	9302007	5103947801	MANAGEMENT RECRUITERS OF PICKE	00329902	900031974	1,139.84	
	2009-04-27	9302007	5103947801	MANAGEMENT RECRUITERS OF PICKE	00329902	900031974	2,498.40	
	2009-04-27	9302007	0000044963	NEW RIVER ELECTRICAL CORP	00159625	221092	2,395.03	
	2009-04-27	9302007	0000044963	NEW RIVER ELECTRICAL CORP	00159624	221091	6,455.84	
	2009-05-06	9302007	5001110809	ASPLUNDH TREE EXPERT CO	00553040	188555	1,013.16	
	2009-05-11	9302007	0000239268	FALCO ELECTRIC INC	00160192	961001	37,836.50	
	2009-05-15	9302007	5002883601	GOOD-ONE EXCAVATING	00160346	15179	5,162.56	
	2009-05-15	9302007	5002883601	GOOD-ONE EXCAVATING	00160345	15159	10,944.40	
	2009-05-21	9302007	5103947801	MANAGEMENT RECRUITERS OF PICKE	00331993	900033265	997.12	
	2009-05-28	9302007	5002677101	FORD, PAUL J & CO	00160796	124458	900.00	
	2009-06-29	9302007	0000239268	FALCO ELECTRIC INC	00162205	961002	4,202.00	
	2009-07-02	9302007	0000239268	FALCO ELECTRIC INC	00162354	961003	16,788.00	
	2009-09-10	9302007	5002677101	FORD, PAUL J & CO	00165191	126456	900.00	
	2008-12-08	9302007	5003270201	HOWARD INDUSTRIES INC	00152157	172001832116	84,182.00	
					22	Items under \$500	2,200.59	
				Associated Business Development		Total AP		364,380.98
	2008-10-06	9302007		INDUS88202			20,002.00	
	2008-10-07	9302007		INDUS88855			-20,002.00	
	2008-10-08	9302007		INDUS89380			1,092.99	
	2008-10-10	9302007		PAY0989465			615.03	
	2008-10-10	9302007		PAY0989465			691.32	
	2008-10-10	9302007		PAY0989465			892.64	
	2008-10-10	9302007		PAY0989465			1,039.28	
	2008-10-10	9302007		PAY0989465			1,326.63	
	2008-10-10	9302007		PAY0989484			612.53	
	2008-10-15	9302007		SACONT1013			598.70	
	2008-10-23	9302007		INDUS94983			553.88	
	2008-10-24	9302007		OVH0995597			504.82	
	2008-10-24	9302007		PAY0995080			558.98	
	2008-10-24	9302007		PAY0995080			1,540.66	
	2008-10-24	9302007		PAY0995080			84,182.00	
	2008-10-31	9302007		AP01521			549.18	
	2008-10-31	9302007		FLEET98302			1,392.90	
	2008-10-31	9302007		FLEET98302			-122,839.86	
	2008-10-31	9302007		INTCOM9682			-85,387.98	
	2008-10-31	9302007		INTCOM9682			4,071.10	
	2008-10-31	9302007		INTCOM9682			4,071.10	
	2008-10-31	9302007		INTCOM9682			4,269.40	
	2008-10-31	9302007		INTCOM9682			4,896.74	
	2008-10-31	9302007		INTCOM9682			6,513.75	
	2008-10-31	9302007		INTCOM9682			6,513.75	
	2008-10-31	9302007		INTCOM9682			6,831.04	
	2008-10-31	9302007		INTCOM9682			81,421.93	
	2008-10-31	9302007		INTCOM9682			81,421.93	
	2008-10-31	9302007		INTCOM9682			85,387.98	
	2008-10-31	9302007		INTCOM9682			122,839.86	
	2008-10-31	9302007		INTCOM9682			-1,326.63	
	2008-10-31	9302007		INTCOM9709			1,522.59	
	2008-10-31	9302007		INTCOM9709			17,102.54	
	2008-10-31	9302007		INTCOM9709			19,851.49	
	2008-10-31	9302007		OAAABD			506.80	
	2008-10-31	9302007		OAAABD			663.20	

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	2008-10-31	9302007	OAAABD				761.45	
	2008-10-31	9302007	SCBBIL9380				1,827.65	
	2008-10-31	9302007	SCBBIL9414				2,446.42	
	2008-10-31	9302007	SCBBIL9414				16,491.48	
	2008-10-31	9302007	STREXP9793				1,800.18	
	2008-11-07	9302007	OVH1001697				871.09	
	2008-11-07	9302007	PAY1001215				562.85	
	2008-11-07	9302007	PAY1001215				635.08	
	2008-11-07	9302007	PAY1001215				724.89	
	2008-11-07	9302007	PAY1001215				994.93	
	2008-11-07	9302007	PAY1001215				1,173.10	
	2008-11-07	9302007	PAY1001215				2,577.19	
	2008-11-17	9302007	AP0152IR				-84,182.00	
	2008-11-19	9302007	INDUS06106				665.19	
	2008-11-21	9302007	OVH1006385				723.26	
	2008-11-21	9302007	PAY1006249				-691.32	
	2008-11-21	9302007	PAY1006249				515.54	
	2008-11-21	9302007	PAY1006249				838.47	
	2008-11-21	9302007	PAY1006249				1,903.20	
	2008-11-25	9302007	AJERECL06				1,823.05	
	2008-11-25	9302007	AJERECL06				17,587.00	
	2008-11-30	9302007	AP0152I				84,182.00	
	2008-11-30	9302007	FLEET09043				733.60	
	2008-11-30	9302007	FLEET09043				828.01	
	2008-11-30	9302007	INTCOM0561				727.47	
	2008-11-30	9302007	INTCOM0561				3,685.20	
	2008-11-30	9302007	INTCOM0561				6,142.00	
	2008-11-30	9302007	INTCOM0561				23,437.72	
	2008-11-30	9302007	INTCOM0589				692.00	
	2008-11-30	9302007	INTCOM0589				6,551.81	
	2008-11-30	9302007	INTCOM0589				103,213.91	
	2008-11-30	9302007	INTCOM0589				584,960.00	
	2008-11-30	9302007	OAAABD				558.02	
	2008-11-30	9302007	OAAABD				594.03	
	2008-11-30	9302007	OAAABD				2,191.80	
	2008-11-30	9302007	SCBBIL0464				1,866.19	
	2008-11-30	9302007	SCBBIL0497				2,284.71	
	2008-11-30	9302007	SCBBIL0497				10,900.80	
	2008-11-30	9302007	STREXP0672				662.27	
	2008-11-30	9302007	STREXP0672				1,311.31	
	2008-12-05	9302007	INDUS13355				84,182.00	
	2008-12-05	9302007	PAY1012250				515.54	
	2008-12-08	9302007	INDUS14002				-84,182.00	
	2008-12-15	9302007	AP0152IR				-84,182.00	
	2008-12-17	9302007	INDUS17501				5,620.09	
	2008-12-19	9302007	PAY1017636				-696.16	
	2008-12-29	9302007	AJERECL06				-29,535.21	
	2008-12-29	9302007	AJERECL06				-2,953.52	
	2008-12-29	9302007	AJERECL06				29,535.21	
	2008-12-31	9302007	INTCOM3680				-189,064.42	
	2008-12-31	9302007	INTCOM3680				-122,839.86	
	2008-12-31	9302007	INTCOM3680				-85,387.98	
	2008-12-31	9302007	INTCOM3680				-61,419.93	
	2008-12-31	9302007	INTCOM3680				-61,419.93	
	2008-12-31	9302007	INTCOM3680				-10,041.10	
	2008-12-31	9302007	INTCOM3680				-9,190.67	
	2008-12-31	9302007	INTCOM3680				-6,831.04	
	2008-12-31	9302007	INTCOM3680				-6,716.00	
	2008-12-31	9302007	INTCOM3680				-4,913.59	
	2008-12-31	9302007	INTCOM3680				-4,913.59	
	2008-12-31	9302007	INTCOM3680				-3,685.20	
	2008-12-31	9302007	INTCOM3680				-1,180.75	
	2008-12-31	9302007	INTCOM3680				981.71	
	2008-12-31	9302007	INTCOM3680				2,940.00	
	2008-12-31	9302007	INTCOM3680				61,419.93	
	2008-12-31	9302007	INTCOM3680				61,419.93	
	2008-12-31	9302007	INTCOM3680				85,387.98	
	2008-12-31	9302007	INTCOM3680				122,839.86	
	2008-12-31	9302007	INTCOM3708				-584,960.00	
	2008-12-31	9302007	INTCOM3708				-66,253.86	
	2008-12-31	9302007	INTCOM3708				-1,466.91	
	2008-12-31	9302007	INTCOM3708				1,000.00	
	2008-12-31	9302007	INTCOM3708				4,450.55	
	2008-12-31	9302007	INTCOM3708				255,529.05	
	2008-12-31	9302007	INTCOM3708				584,960.00	
	2008-12-31	9302007	NTL1023135				720.50	
	2008-12-31	9302007	SCBBIL3518				882.10	
	2008-12-31	9302007	SCBBIL3518				2,264.69	
	2008-12-31	9302007	SCBBIL3551				1,401.70	
	2008-12-31	9302007	SCBBIL3551				1,446.15	
	2008-12-31	9302007	STREXP3795				5,892.74	
	2009-01-02	9302007	PAY1025923				617.02	
	2009-01-16	9302007	OVH1030568				598.80	
	2009-01-16	9302007	PAY1030019				536.54	

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	2009-01-19	9302007	INDUS30863				2,762.66	
	2009-01-23	9302007	AJERECL02				-89,232.92	
	2009-01-23	9302007	AJERECL02				-5,892.74	
	2009-01-23	9302007	AJERECL02				-4,633.84	
	2009-01-23	9302007	AJERECL02				1,387.33	
	2009-01-23	9302007	AJERECL02				4,633.84	
	2009-01-26	9302007	INDUS33321				6,572.71	
	2009-01-30	9302007	PAY1034661				876.30	
	2009-01-31	9302007	FLEET35406				821.41	
	2009-01-31	9302007	INTCOM7246				617.02	
	2009-01-31	9302007	INTCOM7246				778.43	
	2009-01-31	9302007	INTCOM7246				898.43	
	2009-01-31	9302007	INTCOM7246				89,232.92	
	2009-01-31	9302007	INTCOM7274				-617.02	
	2009-01-31	9302007	INTCOM7274				-598.80	
	2009-01-31	9302007	INTCOM7274				-536.54	
	2009-01-31	9302007	SCBBIL7041				1,882.18	
	2009-01-31	9302007	SCBBIL7075				2,624.75	
	2009-01-31	9302007	STREXP7325				571.19	
	2009-01-31	9302007	STREXP7325				985.19	
	2009-01-31	9302007	TXOUARIHUT				-5,050.92	
	2009-02-23	9302007	AJERECL02				5,212.40	
	2009-02-23	9302007	AJERECL02				5,368.25	
	2009-02-23	9302007	INDUS45040				1,865.68	
	2009-02-24	9302007	INDUS45716				-1,865.68	
	2009-02-27	9302007	INDUS47952				821.25	
	2009-02-28	9302007	INTCOM8980				11,490.00	
	2009-02-28	9302007	SCBBIL8885				1,177.33	
	2009-02-28	9302007	STREXP9107				882.50	
	2009-03-01	9302007	OAAABD				3,334.77	
	2009-03-02	9302007	INDUS48689				14,935.00	
	2009-03-03	9302007	INDUS49442				-14,935.00	
	2009-03-04	9302007	INDUS50142				1,722.08	
	2009-03-05	9302007	INDUS50780				597.00	
	2009-03-05	9302007	INDUS50780				26,607.00	
	2009-03-06	9302007	INDUS51263				-26,607.00	
	2009-03-09	9302007	INDUS51800				5,435.00	
	2009-03-16	9302007	INDUS54642				1,485.40	
	2009-03-18	9302007	INDUS56015				-885.65	
	2009-03-25	9302007	AJERECL03				544.57	
	2009-03-25	9302007	AJERECL03				1,943.08	
	2009-03-27	9302007	ACC1059133				2,801.77	
	2009-03-27	9302007	INDUS59748				11,499.16	
	2009-03-27	9302007	OVH1059097				-932.09	
	2009-03-27	9302007	PAY1058389				2,469.08	
	2009-03-27	9302007	PAY1058389				6,016.01	
	2009-03-30	9302007	INDUS60307				-11,499.16	
	2009-03-31	9302007	FLEET60402				2,796.73	
	2009-03-31	9302007	SCBBIL1652				639.18	
	2009-03-31	9302007	STREXP1897				830.84	
	2009-03-31	9302007	STREXP1917				1,359.85	
	2009-04-01	9302007	INDUS61977				-2,107.53	
	2009-04-01	9302007	RVR1059179				-2,801.77	
	2009-04-02	9302007	INDUS62553				2,514.92	
	2009-04-30	9302007	INTCOM4345				-5,427.32	
	2009-04-30	9302007	SCBBIL4246				1,043.77	
	2009-04-30	9302007	STREXP4454				654.51	
	2009-05-08	9302007	INDUS77411				799.14	
	2009-05-14	9302007	INDUS79534				16,106.96	
	2009-05-15	9302007	INDUS79954				-16,106.96	
	2009-05-19	9302007	AJERECL03				-8,171.64	
	2009-05-31	9302007	INTCOM6238				-1,013.16	
	2009-05-31	9302007	INTCOM6238				1,600.50	
	2009-05-31	9302007	SCBBIL6068				774.10	
	2009-06-19	9302007	ACC1093222				748.17	
	2009-06-25	9302007	AJERECL03				-18,231.52	
	2009-06-25	9302007	AJERECL03				-1,276.21	
	2009-06-30	9302007	SCBBIL9042				1,955.58	
	2009-06-30	9302007	SCBBIL9075				1,953.98	
	2009-07-01	9302007	OAAABD				534.73	
	2009-07-01	9302007	RVR1093681				-748.17	
	2009-07-13	9302007	INDUS03459				747.78	
	2009-07-17	9302007	PAY1104711				1,069.94	
	2009-07-31	9302007	INTCOM2175				637.59	
	2009-07-31	9302007	INTCOM2301				-21,563.19	
	2009-07-31	9302007	INTCOM2301				-685.57	
	2009-07-31	9302007	PAY1109848				685.57	
	2009-07-31	9302007	SCBBIL1828				-608.18	
	2009-07-31	9302007	SCBBIL1828				1,601.86	
	2009-07-31	9302007	SCBBIL1859				2,262.95	
	2009-08-01	9302007	OAAABD				1,716.68	
	2009-08-06	9302007	INDUS13931				7,007.11	
	2009-08-28	9302007	ACC1122051				1,517.25	
	2009-08-28	9302007	PAY1121423				626.97	

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							861.71	
	2009-08-28	9302007		PAY1121423			1,250.22	
	2009-08-28	9302007		PAY1121423			2,570.48	
	2009-08-28	9302007		PAY1121423			1,945.54	
	2009-08-31	9302007		FLEET22720			-2,695.94	
	2009-08-31	9302007		INTCOM4144			-1,945.54	
	2009-08-31	9302007		INTCOM4144			-1,250.22	
	2009-08-31	9302007		INTCOM4144			-861.71	
	2009-08-31	9302007		INTCOM4144			-626.97	
	2009-08-31	9302007		SCBBIL3907			860.75	
	2009-08-31	9302007		STREXP4227			1,051.07	
	2009-09-01	9302007		RVR1122090			-1,517.25	
	2009-09-10	9302007		INDUS27638			527.27	
	2009-09-11	9302007		PAY1127211			815.23	
	2009-09-17	9302007		INDUS30039			-2,123.24	
	2009-09-25	9302007		ACC1132898			583.80	
	2009-09-30	9302007		INTCOM6235			-815.23	
					1,402	Items under \$500	62,324.78	
				Associated Business Development		Total Non AP		1,125,326.71
				Associated Business Development		Total		1,489,707.69
Director's Fees & Expenses					12	Items under \$500	600.00	
				Director's Fees & Expenses		Total		600.00
AEPSC misc billings								
	2008-10-31	9302000		SCBBIL9380			573.37	
	2008-11-30	9302000		SCBBIL0464			562.63	
	2008-11-30	9302000		SCBBIL0464			916.35	
	2008-11-30	9302000		SCBBIL0464			1,791.38	
	2008-11-30	9302000		SCBBIL0467			806.30	
	2008-11-30	9302000		SCBBIL0467			892.55	
	2008-11-30	9302000		SCBBIL0497			602.99	
	2008-11-30	9302003		SCBBIL0464			692.87	
	2008-11-30	9302003		SCBBIL0467			609.67	
	2008-12-31	9302000		SCBBIL3518			796.11	
	2008-12-31	9302000		SCBBIL3518			1,966.52	
	2008-12-31	9302000		SCBBIL3521			1,730.38	
	2008-12-31	9302000		SCBBIL3551			1,294.08	
	2009-01-31	9302000		SCBBIL7041			979.82	
	2009-01-31	9302000		SCBBIL7041			6,396.68	
	2009-01-31	9302000		SCBBIL7044			1,444.00	
	2009-01-31	9302000		SCBBIL7044			5,529.05	
	2009-01-31	9302000		SCBBIL7075			3,918.42	
	2009-02-28	9302000		SCBBIL8804			508.05	
	2009-02-28	9302000		SCBBIL8807			835.68	
	2009-02-28	9302003		SCBBIL8804			692.74	
	2009-02-28	9302003		SCBBIL8807			598.79	
	2009-04-30	9302000		SCBBIL4246			718.08	
	2009-04-30	9302000		SCBBIL4249			614.17	
	2009-05-31	9302000		SCBBIL6068			725.64	
	2009-05-31	9302000		SCBBIL6068			817.62	
	2009-05-31	9302000		SCBBIL6068			915.11	
	2009-05-31	9302000		SCBBIL6068			2,413.12	
	2009-05-31	9302000		SCBBIL6071			699.30	
	2009-05-31	9302000		SCBBIL6071			782.69	
	2009-05-31	9302000		SCBBIL6071			2,063.05	
	2009-05-31	9302000		SCBBIL6102			503.09	
	2009-05-31	9302000		SCBBIL6102			563.09	
	2009-05-31	9302000		SCBBIL6102			1,484.21	
	2009-05-31	9302000		SCBBIL6102			980.45	
	2009-05-31	9302003		SCBBIL6068			836.57	
	2009-05-31	9302003		SCBBIL6071			603.30	
	2009-05-31	9302003		SCBBIL6102			690.85	
	2009-07-31	9302000		SCBBIL1828			678.92	
	2009-07-31	9302003		SCBBIL1828			577.27	
	2009-07-31	9302003		SCBBIL1831			552.31	
	2009-08-31	9302000		SCBBIL3907			601.26	
	2009-08-31	9302000		SCBBIL3910			568.30	
	2009-09-30	9302000		SCBBIL6071			599.73	
	2009-09-30	9302004		SCBBIL6071			736.96	
	2009-09-30	9302004		SCBBIL6071			27,495.83	
				AEPSC misc billings	625	Items under \$500		
						Total		81,361.35
Miscellaneous								
	2008-10-20	9302000	0000106900	WYMT-TV	00151703	100908BILLING	6,800.00	
	2009-01-07	9302000	0000026958	FOUNDATION FOR TRI-STATE COMMUNITY INC	00155037	LEADERSHIPTRIS	1,000.00	

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	2009-09-16	9302000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00165454	0000050542ER239	1,544.54	
	2009-09-29	9302000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00165905	0000048134ER153	1,260.00	
					3	Items under \$500	370.04	
			Miscellaneous			Total AP		10,974.58
	2008-10-31	9302000		INTCOM9682			-502.18	
	2008-10-31	9302000		INTCOM9709			-1,580.65	
	2008-11-30	9302000		INTCOM0561			-578.46	
	2008-11-30	9302000		INTCOM0589			-1,346.94	
	2008-12-31	9302000		353_ALLOC			-2,941.83	
	2008-12-31	9302000		353_ALLOC			1,795.02	
	2008-12-31	9302000		353_ALLOC			6,076.69	
	2008-12-31	9302000		INTCOM3680			-505.22	
	2008-12-31	9302000		INTCOM3708			-1,168.30	
	2009-01-31	9302000		INTCOM7246			-659.80	
	2009-01-31	9302000		INTCOM7246			-596.28	
	2009-01-31	9302000		INTCOM7274			-1,227.02	
	2009-02-28	9302000		INTCOM8952			-607.24	
	2009-02-28	9302000		INTCOM8980			-1,110.37	
	2009-03-31	9302000		353_ALLOC			-3,767.22	
	2009-03-31	9302000		353_ALLOC			-954.86	
	2009-03-31	9302000		353_ALLOC			1,225.60	
	2009-03-31	9302000		INTCOM1780			-609.15	
	2009-03-31	9302000		INTCOM1809			-1,353.11	
	2009-04-30	9302000		INTCOM4345			-588.09	
	2009-04-30	9302000		INTCOM4374			-1,122.89	
	2009-05-31	9302000		INTCOM6238			-617.97	
	2009-05-31	9302000		INTCOM6267			-1,215.45	
	2009-06-30	9302000		353_ALLOC			-1,782.24	
	2009-06-30	9302000		353_ALLOC			1,535.55	
	2009-06-30	9302000		353_ALLOC			4,636.38	
	2009-06-30	9302000		INTCOM9219			-562.64	
	2009-06-30	9302000		INTCOM9247			-1,213.11	
	2009-07-31	9302000		INTCOM2175			-609.22	
	2009-07-31	9302000		INTCOM2301			-1,479.98	
	2009-08-31	9302000		INTCOM4144			-892.11	
	2009-09-30	9302000		INTCOM6235			-742.86	
	2009-09-30	9302000		INTCOM6235			-517.26	
	2009-09-30	9302000		INTCOM6238			556.19	
	2009-09-30	9302000		INTCOM6261			-845.78	
					64	Items under \$500	414.13	
			Miscellaneous			Total Non AP		-15,458.67
			Miscellaneous			Total		-4,484.09

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Line No.	Item (a)	Amount (b)
1	Donations	1,702,227
2	Civic & Political Activities	313,663
3	Dues & Memberships	198,231
4	Speculative Allowance Losses	11,354
5	Penalties	1,391
6	Other	36,836
7	Total	2,263,702

* Include detailed workpapers supporting this analysis. Expenditures under \$500 are to be grouped by the classes shown on this format.

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Donations							
2008-10-02	4261000	0000120712	HEATH HIGH SCHOOL	00150996	37028	150.00	
2008-10-02	4261000	0000120712	HEATH HIGH SCHOOL	00150995	37027	150.00	
2008-10-02	4261000	0000037018	KNOTT COUNTY CENTRAL HIGH SCHOOL	00150997	37035	150.00	
2008-10-02	4261000	0000216706	OWENSBORO HIGH SCHOOL	00150994	37024	150.00	
2008-10-16	4261000	0000221035	KENTUCKY SHERIFFS BOYS & GIRLS RANCH	00070338	37301	175.00	
2008-10-16	4261000	0000038018	LAWRENCE COUNTY HIGH SCHOOL	00070337	37300	150.00	
2008-10-22	4261000	0000050152	RACELAND WORTHINGTON HIGH SCHOOL	00151880	37386	150.00	
2008-11-05	4261000	0000013608	BLAINE ELEMENTARY	00070955	37615	100.00	
2008-11-11	4261000	0000014413	BOYD COUNTY MIDDLE SCHOOL	00152575	37777	150.00	
2008-11-17	4261000	0000085858	LOUISA ELEMENTARY SCHOOL	00071395	37862	1,000.00	
2008-11-17	4261000	0000145162	SPECIAL OLYMPICS	00071396	37866	290.00	
2008-11-20	4261000	0000038018	LAWRENCE COUNTY HIGH SCHOOL	00153048	37945	150.00	
2008-12-08	4261000	0000013213	BETSY LAYNE	00153758	38204	150.00	
2008-12-09	4261000	0000228792	BUCKHORN CHILDREN & FAMILY SERVICES	00153826	38360	2,500.00	
2008-12-09	4261000	0000106900	WYMT-TV	00153828	38374	1,000.00	
2008-12-10	4261000	0000181376	BIG SANDY COMMUNITY & TECHNICAL COLLEGE	00153863	38362	15,000.00	
2008-12-10	4261000	0000014464	BOYS & GIRLS CLUBS	00153862	38351	25,000.00	
2008-12-10	4261000	0000233637	HIGHLANDS FOUNDATION INC	00153892	38383	3,700.00	
2008-12-10	4261000	0000233637	HIGHLANDS FOUNDATION INC	00153891	38380	11,300.00	
2008-12-10	4261000	0000047103	PARAMOUNT ARTS CENTER INC	00153893	38385	3,400.00	
2008-12-10	4261000	0000047103	PARAMOUNT ARTS CENTER INC	00153894	38386	6,600.00	
2009-01-13	4261000	0000061599	UNITED WAY	00155288	38840	2,855.96	
2009-02-02	4261000	0000071089	LEADERSHIP KENTUCKY FOUNDATION INC	00155899	39223	5,000.00	
2009-02-04	4261000	0000036271	KENTUCKY EDUCATIONAL TELEVISION INC	00155970	39312	2,500.00	
2009-02-13	4261000	0000073464	HAZARD INDEPENDENT COLLEGE FOUNDATION	00156412	39469	1,000.00	
2009-02-19	4261000	0000104960	LAWRENCE COUNTY	00074408	39591	200.00	
2009-03-16	4261000	0000238829	BOYD COUNTY CHILDRENS FOUNDATION	00074986	39998	300.00	
2009-03-17	4261000	0000208585	ARH FOUNDATION	00157940	40026	2,000.00	
2009-03-18	4261000	0000044603	NATIONAL WILD TURKEY FEDERATION	00158027	40059	550.00	
2009-03-19	4261000	0000075877	SPECIAL OLYMPICS KENTUCKY	00158038	40060	300.00	
2009-03-24	4261000	0000036314	KENTUCKY RIVER AREA	00158277	40159	100.00	
2009-04-02	4261000	0000163635	BIG SANDY COLLEGE EDUCATION FOUNDATION	00158650	40355	1,250.00	
2009-04-02	4261000	0000163635	BIG SANDY COLLEGE EDUCATION FOUNDATION	00158649	40354	1,250.00	
2009-04-02	4261000	0000035634	JUNIOR ACHIEVEMENT	00158654	40359	100.00	
2009-04-02	4261000	0000035634	JUNIOR ACHIEVEMENT	00158653	40358	150.00	
2009-04-02	4261000	0000035634	JUNIOR ACHIEVEMENT	00158652	40357	500.00	
2009-04-13	4261000	0000009761	AMERICAN CANCER SOCIETY	00158982	40362	250.00	
2009-04-13	4261000	0000009761	AMERICAN CANCER SOCIETY	00075669	40519	500.00	
2009-04-14	4261000	0000220294	FIGHT "FORE" MS	00159055	40553	500.00	
2009-04-14	4261000	0000036689	KINGS DAUGHTERS HEALTH FOUNDATION	00159054	40551	1,000.00	
2009-04-15	4261000	0000219323	LAWRENCE COUNTY QUARTERBACK CLUB	00159076	40563	150.00	
2009-04-15	4261000	0000092965	UNITED WAY OF SOUTHEASTERN KENTUCKY	00159081	40546	960.00	
2009-04-21	4261000	0000009761	AMERICAN CANCER SOCIETY	00159377	40671	300.00	
2009-04-28	4261000	0000005271	OUR LADY OF BELLEFONTE HOSPITAL	00159683	40837	640.00	
2009-04-29	4261000	0000006752	SAINT JOSEPH HOSPITAL	00159698	40839	5,000.00	
2009-04-30	4261000	0000019499	COMMUNITY HOSPICE	00159762	40912	100.00	
2009-04-30	4261000	0000229867	MAGOFFIN COUNTY RESCUE SQUAD INC	00159763	40915	100.00	
2009-04-30	4261000	0000145162	SPECIAL OLYMPICS	00159761	40910	1,000.00	
2009-05-01	4261000	0000009761	AMERICAN CANCER SOCIETY	00159791	40947	150.00	
2009-05-01	4261000	0000056195	SOUTHERN GROWTH POLICIES BOARD	00159790	40945	2,500.00	
2009-05-04	4261000	0000040057	MARCH OF DIMES	00159823	40946	150.00	
2009-05-04	4261000	0000239788	WHEELWRIGHT HISTORICAL SOCIETY	00159824	40948	300.00	
2009-05-05	4261000	0000208585	ARH FOUNDATION	00159961	40984	500.00	
2009-05-06	4261000	0000009761	AMERICAN CANCER SOCIETY	00160018	41037	500.00	
2009-05-19	4261000	0000208585	ARH FOUNDATION	00160459	41212	1,100.00	
2009-05-20	4261000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00160522	0000054887ER131	529.92	
2009-05-20	4261000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00160520	0000012710ER138	691.10	
2009-05-22	4261000	0000240242	EAST KENTUCKY FLOOD RELIEF	00160644	EASTKYFLOODMA	500.00	
2009-05-28	4261000	0000091810	KCTCS FOUNDATION INC	00160807	41317	2,000.00	
2009-05-28	4261000	0000036271	KENTUCKY EDUCATIONAL TELEVISION INC	00160808	41318	8,000.00	
2009-06-08	4261000	0000077714	LAWRENCE COUNTY YOUTH	00076742	41260	250.00	
2009-06-11	4261000	0000221181	FORT GAY HIGH SCHOOL	00076805	41455	100.00	
2009-06-25	4261000	0000086550	BLUEGRASS STATE GAMES	00162096	41630	250.00	
2009-06-30	4261000	0000145162	SPECIAL OLYMPICS	00077286	41662	290.00	
2009-07-08	4261000	0000017416	CHALLENGER LEARNING CENTER	00162583	41713	5,000.00	
2009-07-08	4261000	0000211409	TROOPER ISLAND	00162584	41736	240.00	
2009-07-13	4261000	0000241173	SPEAK OUT "FORE" AUTISM	00162800	41773	1,000.00	
2009-07-17	4261000	0000167398	DAVIESS COUNTY	00162995	41848	150.00	
2009-07-17	4261000	0000026958	FOUNDATION FOR TRI-STATE COMMUNITY INC	00163028	41876	300.00	
2009-07-31	4261000	0000036314	KENTUCKY RIVER AREA	00163518	42092	350.00	
2009-08-05	4261000	0000181376	BIG SANDY COMMUNITY & TECHNICAL COLLEGE	00163675	42188	15,000.00	
2009-08-05	4261000	0000233637	HIGHLANDS FOUNDATION INC	00163676	42189	600.00	
2009-08-06	4261000	0000241632	SAVE THE GRAND THEATRE INC	00163696	42187	400.00	
2009-08-17	4261000	0000073975	ASHLAND ALLIANCE	00164130	42334	800.00	
2009-08-17	4261000	0000011016	ASHLAND COMMUNITY & TECHNICAL COLLEGE	00164131	42336	4,000.00	
2009-08-19	4261000	0000241893	KENTUCKY YOUTH ADVOCATES	00164223	42350	1,000.00	
2009-08-26	4261000	0000073975	ASHLAND ALLIANCE	00164659	42458	200.00	
2009-08-27	4261000	0000242491	APPALACHIAN PREGNANCY CARE CENTER	00164681	42461	200.00	
2009-09-01	4261000	0000003079	HAZARD HIGH SCHOOL	00164866	42543	150.00	

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2009-09-03	4261000	0000073975	ASHLAND ALLIANCE	00165005	42620	200.00	
2009-09-03	4261000	0000048603	POAGE ELEMENTARY SCHOOL	00165004	42602	150.00	
2009-09-17	4261000	0000216706	OWENSBORO HIGH SCHOOL	00165487	42822	150.00	
2009-09-22	4261000	0000009761	AMERICAN CANCER SOCIETY	00165685	42878	150.00	
2009-09-22	4261000	0000037018	KNOTT COUNTY CENTRAL HIGH SCHOOL	00165686	42879	150.00	
2009-09-23	4261000	0000068857	HOPES PLACE INC	00165725	101102GOLFB	1,000.00	
2009-09-23	4261000	0000071089	LEADERSHIP KENTUCKY FOUNDATION INC	00165758	42941	1,250.00	
2009-09-23	4261000	0000005271	OUR LADY OF BELLEFONTE HOSPITAL	00165759	42950	800.00	
				0	Items under \$500	0.00	
		Donations			Total AP		151,021.98
2008-10-31	4261000	SCBBIL9380				1,174.62	
2008-10-31	4261000	SCBBIL9383				1,165.04	
2008-10-31	4261000	SCBBIL9414				591.92	
2008-11-30	4261000	SCBBIL0464				1,441.46	
2008-11-30	4261000	SCBBIL0467				1,430.15	
2008-11-30	4261000	SCBBIL0497				727.06	
2008-12-31	4261000	AEPFOUND				1,451,687.21	
2008-12-31	4261000	INTCOM3680				(41,600.85)	
2008-12-31	4261000	INTCOM3683				23,801.03	
2008-12-31	4261000	INTCOM3708				17,799.84	
2008-12-31	4261000	SCBBIL3518				21,127.58	
2008-12-31	4261000	SCBBIL3521				20,955.51	
2008-12-31	4261000	SCBBIL3551				10,647.46	
2009-01-31	4261000	INTCOM7246				(1,702.94)	
2009-01-31	4261000	INTCOM7249				996.63	
2009-01-31	4261000	INTCOM7274				706.31	
2009-01-31	4261000	SCBBIL7041				2,365.38	
2009-01-31	4261000	SCBBIL7044				3,906.75	
2009-01-31	4261000	SCBBIL7075				1,638.94	
2009-02-28	4261000	INTCOM8952				(5,068.35)	
2009-02-28	4261000	INTCOM8955				2,966.21	
2009-02-28	4261000	INTCOM8980				2,102.14	
2009-03-25	4261000	INDUS58194				1,197.00	
2009-03-31	4261000	INTCOM1780				(1,759.01)	
2009-03-31	4261000	INTCOM1783				1,029.45	
2009-03-31	4261000	INTCOM1809				729.56	
2009-03-31	4261000	SCBBIL1621				1,845.69	
2009-03-31	4261000	SCBBIL1624				3,048.54	
2009-03-31	4261000	SCBBIL1652				1,278.76	
2009-04-30	4261000	INTCOM4345				(7,886.93)	
2009-04-30	4261000	INTCOM4348				4,586.98	
2009-04-30	4261000	INTCOM4374				3,300.01	
2009-04-30	4261000	SCBBIL4246				1,982.22	
2009-04-30	4261000	SCBBIL4249				3,273.78	
2009-04-30	4261000	SCBBIL4279				1,373.38	
2009-05-31	4261000	INTCOM6238				(9,047.67)	
2009-05-31	4261000	INTCOM6241				5,262.05	
2009-05-31	4261000	INTCOM6267				3,785.65	
2009-06-17	4261000	CADKYHEAP				7,224.74	
2009-06-30	4261000	SCBBIL9042				824.82	
2009-06-30	4261000	SCBBIL9045				1,362.21	
2009-06-30	4261000	SCBBIL9075				571.43	
2009-07-31	4261000	INTCOM2175				(4,184.02)	
2009-07-31	4261000	INTCOM2178				2,428.38	
2009-07-31	4261000	INTCOM2301				1,755.63	
2009-07-31	4261000	SCBBIL1828				612.98	
2009-07-31	4261000	SCBBIL1831				1,012.39	
2009-08-31	4261000	INTCOM4117				(13,193.88)	
2009-08-31	4261000	INTCOM4120				7,657.67	
2009-08-31	4261000	INTCOM4144				5,536.23	
2009-08-31	4261000	SCBBIL3907				794.54	
2009-08-31	4261000	SCBBIL3910				1,312.34	
2009-08-31	4261000	SCBBIL3940				550.52	
2009-09-30	4261000	INTCOM6235				(1,722.11)	
2009-09-30	4261000	INTCOM6235				(594.32)	
2009-09-30	4261000	INTCOM6238				1,086.56	
2009-09-30	4261000	INTCOM6261				785.56	
2009-09-30	4261000	SCBBIL6074				744.56	
				22	Items under \$500	3,580.15	
		Donations			Total Non AP		1,551,204.94
		Donations			Total		1,702,226.92
Civic & Political Activities							
2008-10-01	4264000	0000073975	ASHLAND ALLIANCE	00150951	11922	500.00	
2008-12-09	4264000	0000226792	MCBRAYER MCGINNIS LESLIE & KIRKLAND PLLC	00153825	204009FRM	37,335.32	
2008-12-18	4264000	0000036258	KENTUCKY CHAMBER OF COMMERCE	00154288	38553	1,950.00	

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2008-12-29	4264000	0000190606	CURLESS FAMILY LTD PARTNERSHIP	00153037	2009LEASE1	1,800.00	
2009-01-06	4264000	0000024166	EDISON ELECTRIC INSTITUTE	00155025	DUES200907G	12,337.18	
2009-01-15	4264000	0000226792	MCBRAYER MCGINNIS LESLIE & KIRKLAND PLLC	00155362	206083JRB	1,803.00	
2009-01-21	4264000	0000225269	MCBRAYER MCGINNIS LESLIE & KIRK	00155571	206050FRM	532.44	
2009-02-17	4264000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00156489	0000036017ER53	1,880.00	
2009-03-12	4264000	0000038313	LEGISLATIVE RESEARCH COMMISSION	00157600	01526B	537.95	
2009-03-26	4264000	0000190606	CURLESS FAMILY LTD PARTNERSHIP	00153038	2009LEASE2	1,800.00	
2009-04-07	4264000	0000225269	MCBRAYER MCGINNIS LESLIE & KIRK	00158763	207766JRB	1,390.00	
2009-04-28	4264000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00159677	0000036017ER54	840.00	
2009-06-26	4264000	0000190606	CURLESS FAMILY LTD PARTNERSHIP	00153039	2009LEASE3	1,800.00	
2009-08-18	4264000	0000146747	BANK ONE COMMERCIAL CARD ACTIVITY	00164157	0000036017ER57	956.00	
2009-09-28	4264000	0000190606	CURLESS FAMILY LTD PARTNERSHIP	00153040	2009LEASE4	1,800.00	
					55 Items under \$500	5,039.85	
			Civic & Political Activities		Total AP		72,301.74
2008-10-31	4264000		SCBBIL9380			1,680.99	
2008-10-31	4264000		SCBBIL9380			2,270.05	
2008-10-31	4264000		SCBBIL9383			1,479.13	
2008-10-31	4264000		SCBBIL9383			1,997.49	
2008-10-31	4264000		SCBBIL9414			1,106.20	
2008-10-31	4264000		SCBBIL9414			1,493.81	
2008-11-07	4264000		PAY1001215			630.00	
2008-11-21	4264000		PAY1006249			585.00	
2008-11-30	4264000		INTCOM0561			(736.27)	
2008-11-30	4264000		SCBBIL0464			657.01	
2008-11-30	4264000		SCBBIL0464			988.84	
2008-11-30	4264000		SCBBIL0464			1,925.52	
2008-11-30	4264000		SCBBIL0467			870.09	
2008-11-30	4264000		SCBBIL0467			1,694.29	
2008-11-30	4264000		SCBBIL0497			650.71	
2008-11-30	4264000		SCBBIL0497			1,267.13	
2008-12-05	4264000		PAY1012250			585.00	
2008-12-30	4264000		SCBAJECONT			(161,796.47)	
2008-12-30	4264000		SCBAJECONT			161,796.47	
2008-12-31	4264000		INTCOM3680			(22,624.64)	
2008-12-31	4264000		INTCOM3680			(1,181.67)	
2008-12-31	4264000		INTCOM3680			(1,090.77)	
2008-12-31	4264000		INTCOM3683			624.06	
2008-12-31	4264000		INTCOM3683			676.07	
2008-12-31	4264000		INTCOM3683			12,944.20	
2008-12-31	4264000		INTCOM3708			505.60	
2008-12-31	4264000		INTCOM3708			9,680.44	
2008-12-31	4264000		SCBAJECONT			161,796.47	
2008-12-31	4264000		SCBBIL3518			(828.29)	
2008-12-31	4264000		SCBBIL3518			760.50	
2008-12-31	4264000		SCBBIL3518			813.27	
2008-12-31	4264000		SCBBIL3518			1,362.41	
2008-12-31	4264000		SCBBIL3518			10,155.49	
2008-12-31	4264000		SCBBIL3521			(728.82)	
2008-12-31	4264000		SCBBIL3521			669.18	
2008-12-31	4264000		SCBBIL3521			8,936.01	
2008-12-31	4264000		SCBBIL3551			(545.10)	
2008-12-31	4264000		SCBBIL3551			500.45	
2008-12-31	4264000		SCBBIL3551			896.54	
2008-12-31	4264000		SCBBIL3551			6,682.88	
2009-01-02	4264000		PAY1025904			1,476.92	
2009-01-16	4264000		OVH1030549			1,745.07	
2009-01-16	4264000		PAY1030000			1,509.23	
2009-01-30	4264000		ACC1035515			661.02	
2009-01-30	4264000		PAY1034642			720.00	
2009-01-31	4264000		INTCOM7246			(7,356.36)	
2009-01-31	4264000		INTCOM7246			(2,209.89)	
2009-01-31	4264000		INTCOM7246			(1,392.56)	
2009-01-31	4264000		INTCOM7246			(1,048.38)	
2009-01-31	4264000		INTCOM7246			(594.44)	
2009-01-31	4264000		INTCOM7246			777.54	
2009-01-31	4264000		INTCOM7249			613.55	
2009-01-31	4264000		INTCOM7249			672.08	
2009-01-31	4264000		INTCOM7249			814.98	
2009-01-31	4264000		INTCOM7249			1,293.32	
2009-01-31	4264000		INTCOM7274			4,305.25	
2009-01-31	4264000		INTCOM7274			577.58	
2009-01-31	4264000		INTCOM7274			916.57	
2009-01-31	4264000		INTCOM7274			3,051.11	
2009-01-31	4264000		SCBAJECONT			(161,796.47)	
2009-01-31	4264000		SCBBIL7041			689.31	
2009-01-31	4264000		SCBBIL7041			1,876.65	
2009-01-31	4264000		SCBBIL7041			3,059.53	
2009-01-31	4264000		SCBBIL7041			3,847.50	

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2009-01-31	4264000		SCBBIL7044			1,622.11	
2009-01-31	4264000		SCBBIL7044			2,644.55	
2009-01-31	4264000		SCBBIL7044			3,325.64	
2009-01-31	4264000		SCBBIL7044			104,451.12	
2009-01-31	4264000		SCBBIL7075			1,149.51	
2009-01-31	4264000		SCBBIL7075			1,874.18	
2009-01-31	4264000		SCBBIL7075			2,356.90	
2009-02-01	4264000		RVR1035554			(661.02)	
2009-02-27	4264000		PAY1046572			902.31	
2009-02-28	4264000		INTCOM8952			(1,880.00)	
2009-02-28	4264000		INTCOM8952			(728.98)	
2009-02-28	4264000		SCBBIL8804			(2,149.88)	
2009-02-28	4264000		SCBBIL8804			1,268.22	
2009-02-28	4264000		SCBBIL8804			5,115.84	
2009-02-28	4264000		SCBBIL8807			(52,225.56)	
2009-02-28	4264000		SCBBIL8807			(1,858.28)	
2009-02-28	4264000		SCBBIL8807			1,096.23	
2009-02-28	4264000		SCBBIL8807			4,421.99	
2009-02-28	4264000		SCBBIL8885			(1,316.95)	
2009-02-28	4264000		SCBBIL8885			776.92	
2009-02-28	4264000		SCBBIL8885			3,133.85	
2009-03-13	4264000		PAY1052986			857.31	
2009-03-27	4264000		ACC1059114			755.15	
2009-03-27	4264000		PAY1058370			720.00	
2009-03-31	4264000		INTCOM1780			(1,073.30)	
2009-03-31	4264000		INTCOM1780			(940.51)	
2009-03-31	4264000		INTCOM1783			550.43	
2009-03-31	4264000		INTCOM1783			628.14	
2009-03-31	4264000		SCBBIL1621			1,378.62	
2009-03-31	4264000		SCBBIL1621			1,454.98	
2009-03-31	4264000		SCBBIL1621			2,813.83	
2009-03-31	4264000		SCBBIL1624			(13,056.39)	
2009-03-31	4264000		SCBBIL1624			1,257.66	
2009-03-31	4264000		SCBBIL1624			2,432.17	
2009-03-31	4264000		SCBBIL1652			844.50	
2009-03-31	4264000		SCBBIL1652			891.33	
2009-03-31	4264000		SCBBIL1652			1,723.67	
2009-04-01	4264000		RVR1059160			(755.15)	
2009-04-09	4264000		OVH1064484			639.51	
2009-04-09	4264000		PAY1064386			2,909.86	
2009-04-24	4264000		ACC1070531			1,411.31	
2009-04-30	4264000		FLEET72993			589.87	
2009-04-30	4264000		INTCOM4345			(3,003.99)	
2009-04-30	4264000		INTCOM4345			(827.39)	
2009-04-30	4264000		INTCOM4345			(700.39)	
2009-04-30	4264000		INTCOM4345			(660.02)	
2009-04-30	4264000		INTCOM4345			(649.65)	
2009-04-30	4264000		INTCOM4345			(589.87)	
2009-04-30	4264000		SCBBIL4246			1,669.65	
2009-04-30	4264000		SCBBIL4246			1,748.17	
2009-04-30	4264000		SCBBIL4249			1,428.04	
2009-04-30	4264000		SCBBIL4249			1,495.24	
2009-04-30	4264000		SCBBIL4279			1,027.39	
2009-04-30	4264000		SCBBIL4279			1,075.67	
2009-05-01	4264000		RVR1070601			(1,411.31)	
2009-05-31	4264000		SCBBIL6068			1,373.00	
2009-05-31	4264000		SCBBIL6068			1,377.06	
2009-05-31	4264000		SCBBIL6068			1,827.55	
2009-05-31	4264000		SCBBIL6068			2,787.78	
2009-05-31	4264000		SCBBIL6071			1,174.30	
2009-05-31	4264000		SCBBIL6071			1,563.12	
2009-05-31	4264000		SCBBIL6071			2,384.35	
2009-05-31	4264000		SCBBIL6102			844.82	
2009-05-31	4264000		SCBBIL6102			847.32	
2009-05-31	4264000		SCBBIL6102			1,124.57	
2009-05-31	4264000		SCBBIL6102			1,715.33	
2009-05-31	4264000		SCBBIL6102			1,566.12	
2009-06-05	4264000		PAY1087861			1,338.22	
2009-06-19	4264000		ACC1093203			(1,226.86)	
2009-06-30	4264000		INTCOM9219			(1,071.43)	
2009-06-30	4264000		INTCOM9219			623.14	
2009-06-30	4264000		INTCOM9222			713.54	
2009-06-30	4264000		INTCOM9222			513.33	
2009-06-30	4264000		INTCOM9247			688.53	
2009-06-30	4264000		SCBBIL9042			1,713.87	
2009-06-30	4264000		SCBBIL9042			2,053.85	
2009-06-30	4264000		SCBBIL9042			1,465.93	
2009-06-30	4264000		SCBBIL9045			1,756.64	
2009-06-30	4264000		SCBBIL9045			1,054.56	
2009-06-30	4264000		SCBBIL9075			1,263.75	
2009-06-30	4264000		SCBBIL9075				

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2009-07-01	4264000		RVR1093662			(1,338 22)	
2009-07-31	4264000		INTCOM2175			(1,176 75)	
2009-07-31	4264000		INTCOM2178			682 98	
2009-07-31	4264000		PAY1109829			1,800 00	
2009-07-31	4264000		SCBBIL1828			687 34	
2009-07-31	4264000		SCBBIL1828			1,909 22	
2009-07-31	4264000		SCBBIL1828			3,743.79	
2009-07-31	4264000		SCBBIL1831			1,623 35	
2009-07-31	4264000		SCBBIL1831			3,183 26	
2009-07-31	4264000		SCBBIL1859			1,173 60	
2009-07-31	4264000		SCBBIL1859			2,301.45	
2009-08-14	4264000		PAY1116127			540 00	
2009-08-31	4264000		INTCOM4117			(963 72)	
2009-08-31	4264000		INTCOM4117			(735 39)	
2009-08-31	4264000		INTCOM4120			559 34	
2009-08-31	4264000		SCBBIL3907			687 34	
2009-08-31	4264000		SCBBIL3907			1,494 13	
2009-08-31	4264000		SCBBIL3907			3,023 34	
2009-08-31	4264000		SCBBIL3910			1,270 45	
2009-08-31	4264000		SCBBIL3910			2,570 68	
2009-08-31	4264000		SCBBIL3940			918 43	
2009-08-31	4264000		SCBBIL3940			1,858 56	
2009-09-30	4264000		INTCOM6235			(1,069 77)	
2009-09-30	4264000		INTCOM6238			620 89	
2009-09-30	4264000		SCBBIL6071			512 79	
2009-09-30	4264000		SCBBIL6071			687 34	
2009-09-30	4264000		SCBBIL6071			1,069 51	
2009-09-30	4264000		SCBBIL6071			3,670 11	
2009-09-30	4264000		SCBBIL6074			909 27	
2009-09-30	4264000		SCBBIL6074			3,120 57	
2009-09-30	4264000		SCBBIL6103			657 42	
2009-09-30	4264000		SCBBIL6103			2,256 06	
				876	Items under \$500	30,330 04	
		Civic & Political Activities			Total Non AP		241,361.41
		Civic & Political Activities			Total		313,663 15
Dues & Memberships							
2008-10-03	4265004	0000202480	BOYD & GREENUP NAACP	00151075	37073	700 00	
2008-12-17	4265004	0000036258	KENTUCKY CHAMBER OF COMMERCE	00154289	38555	7,500 00	
2008-12-19	4265004	0000076855	WINUP	00154493	121708BILLING	1,800 00	
2009-03-11	4265004	0000056195	SOUTHERN GROWTH POLICIES BOARD	00157568	3540809	2,500 00	
2009-03-16	4265004	0000035634	JUNIOR ACHIEVEMENT	00157893	40020	500 00	
2009-03-16	4265004	0000072519	LEADERSHIP EAST KENTUCKY	00157898	40031	1,000 00	
2009-04-02	4265004	0000017421	CHAMBER OF COMMERCE	00158651	40356	3,000 00	
2009-04-02	4265004	0000036314	KENTUCKY RIVER AREA	00158655	40361	4,000 00	
2009-04-14	4265004	0000073975	ASHLAND ALLIANCE	00159056	40560	1,000 00	
2009-05-19	4265004	0000240087	LOUISA ROTARY CLUB	00076327	41180	500 00	
2009-05-28	4265004	0000036258	KENTUCKY CHAMBER OF COMMERCE	00160806	41316	2,000 00	
2009-05-28	4265004	0000036258	KENTUCKY CHAMBER OF COMMERCE	00160805	41315	3,000 00	
2009-06-24	4265004	0000081478	SUMMER MOTION INC	00162011	41608	15,000 00	
2009-07-02	4265004	0000007742	WILEY, JENNY THEATRE	00162400	41683	1,000 00	
2009-07-09	4265004	0000104960	LAWRENCE COUNTY	00077444	41750	1,000 00	
2009-07-14	4265004	0000221036	STONECREST GOLF COURSE	00162848	071009BILLING	1,606 96	
2009-07-31	4265004	0000052445	ROTARY CLUB	00163517	42090	500 00	
2009-07-31	4265004	0000052445	ROTARY CLUB	00163516	42088	636 00	
2009-08-05	4265004	0000078343	FAIRVIEW BAPTIST CHURCH	00077987	42037	500 00	
2009-08-21	4265004	0000036249	KENTUCKY APPLE FESTIVAL	00164429	42384	500 00	
				71	Items under \$500	13,769 50	
		Dues & Memberships			Total AP		62,012 46
2008-11-30	4265004		INTCOM0561			(550 84)	
2008-12-31	4265004		INTCOM3680			(4,544 89)	
2008-12-31	4265004		INTCOM3680			(1,090 77)	
2008-12-31	4265004		INTCOM3683			624 06	
2008-12-31	4265004		INTCOM3683			2,600 26	
2008-12-31	4265004		INTCOM3708			1,944 63	
2008-12-31	4265004		SCBBIL3518			2,581 24	
2008-12-31	4265004		SCBBIL3521			2,271 28	
2008-12-31	4265004		SCBBIL3551			1,698 60	
2009-02-28	4265004		SCBBIL8885			116,372.87	
2009-03-20	4265004		AJERECL02			(2,500 00)	
2009-03-31	4265004		INTCOM1780			(1,103 11)	
2009-03-31	4265004		INTCOM1783			645 59	
2009-03-31	4265004		SCBBIL1621			4,288 74	
2009-03-31	4265004		SCBBIL1624			3,707 04	

KENTUCKY POWER COMPANY

Case No. 2009-00459

Analysis of Account No. 426 - Other Income Deductions
For the Test Year of September 2009

KPSC Case No. 2009-00459
Commission Staff 1st Set Data Request
Order Dated December 23, 2009
Item No. 30
Page 17 of 17

Acctg Date	Account	Vendor ID	Vendor Name or Journal ID	Voucher	Invoice	Amount	Totals
2009-03-31	4265004		SCBBIL1652			2,627.16	
2009-04-30	4265004		INTCOM4345			(4,851.21)	
2009-04-30	4265004		INTCOM4348			2,821.43	
2009-04-30	4265004		INTCOM4374			2,029.80	
2009-04-30	4265004		SCBBIL4279			(1,554.48)	
2009-05-31	4265004		INTCOM6238			(2,976.20)	
2009-05-31	4265004		INTCOM6241			1,730.93	
2009-05-31	4265004		INTCOM6267			1,245.27	
2009-06-30	4265004		INTCOM9219			(8,988.14)	
2009-06-30	4265004		INTCOM9222			5,227.42	
2009-06-30	4265004		INTCOM9247			3,760.73	
2009-07-31	4265004		INTCOM2175			(1,158.92)	
2009-07-31	4265004		INTCOM2175			(955.05)	
2009-07-31	4265004		INTCOM2178			554.31	
2009-07-31	4265004		INTCOM2178			672.64	
2009-07-31	4265004		SCBBIL1859			2,538.95	
2009-08-31	4265004		SCBBIL3940			1,252.61	
				197	Items under \$500	5,296.55	
			Dues & Memberships		Total Non AP		136,218.70
			Dues & Memberships		Total		198,231.16
Speculative Allowance Losses							
2008-10-31	4265053		AJE_UBS			2,696.37	
2008-12-31	4265053		SO2_ACCR			1,942.21	
2009-01-01	4265053		SO2_ACCR			(1,942.21)	
2009-02-28	4265053		UBS_FUT			(5,881.58)	
2009-03-31	4265053		AMS_ALLOC			4,860.63	
2009-04-30	4265053		SO2_ACCR			(2,906.19)	
2009-05-01	4265053		SO2_ACCR			2,906.19	
2009-05-31	4265053		UBS_FUT			(3,328.77)	
2009-06-15	4265053		UBS_REC			3,328.77	
2009-06-30	4265054		AMS_ALLOC			511.79	
2009-06-30	4265056		AMS_ALLOC			3,341.83	
2009-08-31	4265053		UBS_ACCR			664.43	
2009-09-01	4265053		UBS_ACCR			(664.43)	
2009-09-30	4265053		AMS_ALLOC			664.39	
2009-09-30	4265056		AMS_ALLOC			4,229.00	
				21	Items under \$500	931.14	
			Speculative Allowance Losses		Total Non AP		11,353.57
			Speculative Allowance Losses		Total		11,353.57
Penalties							
				2	Items under \$500	473.86	
			Penalties		Total AP		473.86
2009-09-30	4263001		INTCOM6238			737.46	
				10	Items under \$500	179.79	
			Penalties		Total Non AP		917.25
			Penalties		Total		1,391.11
Other							
2008-12-09	4265002	0000237003	HOPSON, MICHAEL	00153808	38282	500.00	
			Other	5	Items under \$500	825.00	
					Total AP		1,325.00
2008-10-31	4265002		SCBBIL9380			879.85	
2008-12-31	4265002		SCBBIL3518			9,810.20	
2008-12-31	4265002		SCBBIL3521			8,632.17	
2008-12-31	4265002		SCBBIL3551			6,455.65	
2009-01-31	4265002		SCBBIL7041			2,208.40	
2009-01-31	4265002		SCBBIL7044			1,908.84	
2009-01-31	4265002		SCBBIL7075			1,352.79	
				188	Items under \$500	4,262.74	
			Other		Total Non AP		35,510.64
			Other		Total		36,835.64

Kentucky Power Company

REQUEST

Provide a detailed analysis of expenses incurred during the test year for professional services, as shown in Schedule 31, and all workpapers supporting the analysis. At a minimum, the workpapers should show the payee, dollar amount, reference (i.e., voucher no., etc.), account charged, hourly rates and time charged to the company according to each invoice, and a description of the services provided.

RESPONSE

Please see page 2 for the expenses incurred during the test year for professional services in Format 31. Please see page 3 for workpapers supporting the AEPSC expenses incurred during the test year. Please see pages 4 through 11 for workpapers supporting the expenses incurred during the test year for professional services.

WITNESS: Ranie K Wohnhas

KENTUCKY POWER COMPANY

Case No. 2009-00459

**Analysis of Professional Services Expenses
 For the Test Year Ended September 30, 2009**

Line No.	Item (a)	Rate Case (b)	Annual Audit (c)	Other (d)	Total (e)
1	Legal			641,177.87	641,177.87
2	Engineering			1,123,578.50	1,123,578.50
3	Accounting		396,641.71	3,050.00	399,691.71
4	Other			226,168.92	226,168.92
5	AEPSC			37,063,649.54	37,063,649.54
6	Total		396,641.71	39,057,624.83	39,454,266.54

* Include detailed workpapers supporting this analysis.

		12-Months Ended September 30, 2009	
Acct			9,323,526.16
1070	Construction Work in Progress - Electric		280,540.64
1080	Accumulated Provision for Depr of Elec Util Plt		(4.20)
1510	Fuel Stock		514,409.14
1520	Fuel Stock Expense Undistributed		570,365.16
1630	Stores Expense Undistributed		59.63
1823	Other Regulatory Assets		39.06
1830	Preliminary Survey and Investigation Charges		51,851.54
1840	Clearing Accounts		4,278.02
1860	Miscellaneous Deferred Debits		566,227.85
1880	Research, Development, and Demonstration Expenditures		
4010	Operation Expenses	1,865,762.72	
5000		21,544.46	
5010		1,126.50	
5020		0.25	
5050		71,338.30	
5060		38,749.11	
5550		399,272.59	
5560		2,838,477.87	
5570		536,488.74	
5600		1,149.08	
5610		11,120.42	
5611		747,794.10	
5612		1,909.76	
5613		36,182.06	
5615		3,383.72	
5620		846.63	
5630		300,008.93	
5660		6,492.69	
5670		609,977.14	
5800		4,035.84	
5810		3,797.11	
5820		25.94	
5830		5,737.54	
5840		132,831.99	
5860		89.64	
5870		758,185.47	
5880		203.54	
5890		147,435.67	
9010		73,065.95	
9020		4,941,487.70	
9030		0.98	
9040		1,523.32	
9050		148,776.36	
9070		35,340.25	
9080		23.69	
9100		76.80	
9130		4,676,793.61	
9200		484,852.19	
9210		89.67	
9220		4,403,290.61	
9230		83.63	
9240		4,227.84	
9250		14,411.38	
9260		1,088.44	
9280		38,817.41	
9301		157,826.48	
9302		3,274.99	23,529,019.11
9310			
4020	Maintenance Expenses	317,855.65	
5100		15,113.46	
5110		545,620.74	
5120		204,017.06	
5130		762.87	
5140		122,582.36	
5680		15,413.73	
5691		215,812.65	
5692		6,888.96	
5693		62,763.17	
5700		39,944.34	
5710		109.91	
5720		205.75	
5730		4,421.29	
5900		58,785.76	
5920		122,096.99	
5930		7.51	
5940		496.06	
5950		0.69	
5960		55.57	
5970		33.12	
5980		20,980.08	1,753,967.72
9350			
4210	Miscellaneous Nonoperating Income		(7,043.75)
4261	Donations		90,536.32
4263	Penalties		176.42
4264	Expenditures for Certain Civic, Political and Related Activities		211,480.93
4265	Other Deductions		174,229.25
4510	Miscellaneous Service Revenues		(9.46)
			<u>37,063,649.54</u>

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Accounting	DELOITTE TAX LLP	264	666.67	2009-07-17	01213393	9230001
Accounting	DELOITTE TAX LLP	264	666.67	2009-07-17	01213393	9230001
Accounting	DELOITTE TAX LLP	264	666.66	2009-07-17	01213393	9230001
Accounting	FARMER & HUMBLE	264	1,050.00	2008-10-15	01130816	9230001
Engineering	BLACK & VEATCH	260	3,465.59	2009-02-25	00156844	1070001
Engineering	BLACK & VEATCH	260	5,757.14	2009-03-26	00158379	1070001
Engineering	BLACK & VEATCH CORPORATION	260	6,803.28	2009-09-03	00164940	1070000
Engineering	BLACK & VEATCH LTD	260	6,318.43	2008-10-28	00151994	1070001
Engineering	BLACK & VEATCH LTD	260	8,344.84	2008-10-28	00151995	1070001
Engineering	BLACK & VEATCH LTD	260	15,215.89	2008-10-28	00151996	1070001
Engineering	BLACK & VEATCH LTD	260	1,252.05	2008-10-28	00151997	1070001
Engineering	BLACK & VEATCH LTD	260	1,645.95	2008-10-28	00151998	1070001
Engineering	BLACK & VEATCH LTD	260	4,545.59	2008-10-28	00151999	1070001
Engineering	BLACK & VEATCH LTD	260	2,335.87	2008-10-28	00152000	1070001
Engineering	BLACK & VEATCH LTD	260	5,728.75	2008-10-28	00152001	1070001
Engineering	BLACK & VEATCH LTD	260	9,377.63	2008-10-28	00632393	1070001
Engineering	BLACK & VEATCH LTD	260	1,077.17	2008-12-02	00153388	1070001
Engineering	BLACK & VEATCH LTD	260	24,993.36	2008-12-02	00153389	1070001
Engineering	BLACK & VEATCH LTD	260	1,398.58	2008-12-02	00153390	1070001
Engineering	BLACK & VEATCH LTD	260	4,164.22	2008-12-02	00638213	1070001
Engineering	BLACK & VEATCH LTD	260	860.38	2009-01-07	00155047	1070001
Engineering	BLACK & VEATCH LTD	260	16,164.78	2009-01-07	00155048	1070001
Engineering	BLACK & VEATCH LTD	260	1,228.25	2009-01-07	00643404	1070001
Engineering	BLACK & VEATCH LTD	260	1,722.92	2009-01-23	00155622	1070001
Engineering	BLACK & VEATCH LTD	260	1,493.35	2009-01-23	00155623	1070001
Engineering	BLACK & VEATCH LTD	260	1,460.65	2009-01-23	00645710	1070001
Engineering	BLACK & VEATCH LTD	260	4,042.92	2009-02-25	00156814	1070001
Engineering	BLACK & VEATCH LTD	260	2,781.63	2009-02-25	00156815	1070001
Engineering	BLACK & VEATCH LTD	260	3,757.93	2009-02-25	00650198	1070001
Engineering	BLACK & VEATCH LTD	260	3,909.83	2009-03-25	00158283	1070001
Engineering	BLACK & VEATCH LTD	260	15,340.34	2009-03-25	00654157	1070001
Engineering	BLACK & VEATCH LTD	260	10,585.39	2009-05-01	00658755	1070001
Engineering	BLACK & VEATCH LTD	260	2,018.74	2009-06-08	00662950	1070001
Engineering	BLACK & VEATCH LTD	260	4,228.79	2009-06-08	00662951	1070001
Engineering	BLACK & VEATCH LTD	260	453.41	2009-08-10	00163787	1070001
Engineering	BLACK & VEATCH LTD	260	852.13	2009-08-10	00163788	1070001
Engineering	BLACK & VEATCH LTD	260	456.69	2009-08-10	00163789	1070001
Engineering	BLACK & VEATCH LTD	260	717.47	2009-08-10	00670073	1070001
Engineering	BLACK & VEATCH LTD	260	3,420.49	2009-08-31	00164786	1070001
Engineering	BLACK & VEATCH LTD	260	2,453.36	2009-08-31	00164787	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	1,295.99	2008-10-21	00151711	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	2,016.00	2008-10-21	00151712	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	26,489.00	2008-10-21	00151713	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	3,166.50	2008-11-19	00152870	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	7,461.50	2008-11-19	00152871	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	1,199.50	2008-11-19	00257279	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	637.00	2008-12-17	00154211	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	420.00	2008-12-19	00154428	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	280.00	2008-12-19	00154429	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	1,274.17	2009-01-12	00155215	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	8,023.53	2009-01-12	00155213	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	19,397.00	2009-01-12	00155214	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	434.17	2009-01-12	00263320	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	15,816.00	2009-01-26	00155646	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	3,360.50	2009-01-27	00264709	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	2,697.50	2009-02-09	00156101	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	46,440.00	2009-03-02	00157104	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	27,355.60	2009-03-02	00157105	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	2,145.30	2009-03-09	00157416	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	9,155.00	2009-03-09	00157417	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	8,838.00	2009-03-09	00157418	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	1,228.00	2009-03-17	00157906	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	30,933.90	2009-03-18	00157967	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	18,382.90	2009-05-07	00160023	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	350.00	2009-05-07	00276287	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	1,624.00	2009-05-15	00160343	1070001

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Engineering	COMMONWEALTH ASSOCIATES INC	260	6,727.00	2009-05-15	00160344	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	19,085.30	2009-06-08	00161242	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	37,023.50	2009-06-26	00162099	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	84,601.01	2009-06-26	00162098	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	59,995.91	2009-07-27	00163315	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	15,944.80	2009-08-04	00163596	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	29,944.00	2009-08-24	00164439	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	12,547.50	2009-09-03	00164934	1070001
Engineering	COMMONWEALTH ASSOCIATES INC	260	48,381.87	2009-09-23	00165696	1070000
Engineering	COMMONWEALTH ASSOCIATES INC	260	7,406.00	2009-09-23	00165695	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	1,758.10	2009-05-06	01197637	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	5,037.00	2009-05-28	01203855	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	389.00	2009-05-28	00076514	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	5,616.65	2009-06-05	00076688	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	4,281.50	2009-06-19	01210775	1070001
Engineering	LEE TESTING & ENGINEERING INC	266	2,893.00	2009-07-01	00077300	1070001
Engineering	LEE TESTING & ENGINEERING INC	266	4,510.50	2009-07-24	00077773	1070001
Engineering	LEE TESTING & ENGINEERING INC	266	5,818.00	2009-07-24	00077774	1070001
Engineering	LEE TESTING & ENGINEERING INC	266	3,758.00	2009-07-24	00077775	1070001
Engineering	LEE TESTING & ENGINEERING INC	266	4,510.50	2009-07-27	00077807	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	4,042.00	2009-08-06	00077995	1070001
Engineering	LEE TESTING & ENGINEERING INC	260	894.24	2009-08-26	00078355	1070001
Engineering	MCHALE & ASSOCIATES INC	260	16,065.04	2009-02-03	00073915	1070001
Engineering	MCHALE & ASSOCIATES INC	260	31,500.00	2009-02-03	00073915	1070001
Engineering	MCHALE & ASSOCIATES INC	260	12,942.60	2009-04-09	00075625	1070001
Engineering	MCHALE & ASSOCIATES INC	260	5,342.40	2009-04-09	00075626	1070001
Engineering	MCHALE & ASSOCIATES INC	260	11,448.00	2009-04-09	00075627	1070001
Engineering	MCHALE & ASSOCIATES INC	260	11,448.00	2009-04-09	00075628	1070001
Engineering	MCHALE & ASSOCIATES INC	260	8,952.81	2009-04-09	00075629	1070001
Engineering	MCHALE & ASSOCIATES INC	260	12,100.00	2009-05-01	00076023	1070001
Engineering	PATRICK ENGINEERING INC	260	2,238.50	2008-12-19	00154442	1070001
Engineering	PATRICK ENGINEERING INC	260	4,033.50	2008-12-19	00154443	1070001
Engineering	PATRICK ENGINEERING INC	260	71.00	2008-12-19	00154444	1070001
Engineering	PATRICK ENGINEERING INC	260	11,107.50	2009-02-23	00156690	1070000
Engineering	PATRICK ENGINEERING INC	260	1,355.09	2009-08-17	00164093	1070001
Engineering	POWER ENGINEERS	260	2,790.96	2008-11-19	00152872	1070001
Engineering	POWER ENGINEERS	260	1,719.02	2008-12-01	00153322	1070001
Engineering	POWER ENGINEERS	260	7,763.50	2009-01-12	00155216	1070001
Engineering	POWER ENGINEERS	260	368.05	2009-03-02	00157106	1070001
Engineering	POWER ENGINEERS	260	573.86	2009-05-07	00160024	1070001
Engineering	POWER ENGINEERS	260	744.81	2009-06-01	00160838	1070001
Engineering	POWER ENGINEERS	260	458.54	2009-07-20	00163034	1070001
Engineering	REACTION ENGINEERING INTERNATI	260	34,000.00	2008-10-27	00070437	1070001
Engineering	REACTION ENGINEERING INTERNATI	260	29,000.00	2008-11-04	00070950	1070001
Engineering	REACTION ENGINEERING INTERNATI	260	66,000.00	2008-12-31	00072763	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	28,510.00	2009-01-14	00155217	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	21,532.50	2009-01-14	00155218	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	2,141.00	2009-01-14	00155219	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	250.00	2009-01-22	00155498	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	250.00	2009-03-04	00157107	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	125.00	2009-03-30	00158477	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	4,502.00	2009-04-27	00159516	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	5,896.52	2009-05-18	00160394	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	886.07	2009-06-22	00161829	1070001
Engineering	SHAW ENERGY DELIVERY SERVICES	260	1,702.00	2009-07-27	00163319	1070001
Legal	COMBS & COMBS PSC	262	30.00	2008-11-05	00152442	1070001
Legal	COMBS & COMBS PSC	262	252.00	2008-11-05	00012678	1070001
Legal	COMBS & COMBS PSC	262	178.44	2008-11-05	00012677	9230001
Legal	COMBS & COMBS PSC	262	278.00	2008-11-05	00012679	9230001
Legal	COMBS & COMBS PSC	262	260.16	2008-11-05	00012680	9230001
Legal	COMBS & COMBS PSC	262	1,753.67	2008-11-05	00012681	9230001
Legal	COMBS & COMBS PSC	262	1,024.65	2008-11-05	00012682	9230001
Legal	COMBS & COMBS PSC	262	2,234.64	2008-12-09	00153829	9230001
Legal	COMBS & COMBS PSC	262	918.00	2008-12-09	00012867	9230001
Legal	COMBS & COMBS PSC	262	1,404.00	2008-12-09	00012868	9230001
Legal	COMBS & COMBS PSC	262	36.00	2009-01-02	00013027	9230001

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Legal	COMBS & COMBS PSC	262	2,550.65	2009-01-08	00155146	9230001
Legal	COMBS & COMBS PSC	262	1,301.97	2009-01-08	00155147	9230001
Legal	COMBS & COMBS PSC	262	280.92	2009-01-19	00013100	9230001
Legal	COMBS & COMBS PSC	262	348.00	2009-01-19	00013101	9230001
Legal	COMBS & COMBS PSC	262	60.00	2009-01-29	00155833	1070001
Legal	COMBS & COMBS PSC	262	93.00	2009-04-09	00158924	9230001
Legal	COMBS & COMBS PSC	262	36.00	2009-04-09	00013425	9230001
Legal	COMBS & COMBS PSC	262	1,890.00	2009-04-09	00013426	9230001
Legal	COMBS & COMBS PSC	262	2,021.34	2009-05-27	00160791	9230001
Legal	COMBS & COMBS PSC	262	718.74	2009-05-27	00013589	9230001
Legal	COMBS & COMBS PSC	262	163.36	2009-06-03	00013623	9230001
Legal	COMBS & COMBS PSC	262	562.48	2009-06-16	00161706	9230001
Legal	COMBS & COMBS PSC	262	90.00	2009-06-23	00161993	9230001
Legal	COMBS & COMBS PSC	262	95.11	2009-06-23	00013695	9230001
Legal	CROWELL & MORING LLP	262	2,795.66	2009-04-23	01193899	1860000
Legal	CROWELL & MORING LLP	262	1,895.22	2009-04-23	01193899	1860000
Legal	CROWELL & MORING LLP	262	633.62	2009-04-23	01193899	1860007
Legal	FROST BROWN TODD LLC	262	998.11	2008-12-23	00072820	9230001
Legal	GNOESIS GROUP	262	8,353.72	2009-01-26	00073705	9250007
Legal	GNOESIS GROUP	262	778.51	2009-02-13	00074294	9250007
Legal	GNOESIS GROUP	262	23,434.15	2009-02-13	00074295	9250007
Legal	GNOESIS GROUP	262	944.71	2009-03-03	00074728	9250007
Legal	GNOESIS GROUP	262	25,612.24	2009-03-18	00075080	9250007
Legal	GNOESIS GROUP	262	28,875.00	2009-03-18	00075081	9250007
Legal	GNOESIS GROUP	262	25,734.70	2009-04-03	00075503	9250007
Legal	GNOESIS GROUP	262	24,803.11	2009-04-13	00075670	9250007
Legal	GNOESIS GROUP	262	21,864.00	2009-04-24	00075896	9250007
Legal	GNOESIS GROUP	262	4,854.78	2009-05-08	00076164	9250007
Legal	GNOESIS GROUP	262	1,119.67	2009-05-20	00076365	9250007
Legal	GNOESIS GROUP	262	2,220.95	2009-06-18	00077023	9250007
Legal	GNOESIS GROUP	262	1,189.06	2009-07-06	00077389	9250007
Legal	GNOESIS GROUP	262	2,300.62	2009-07-23	00077766	9250007
Legal	GNOESIS GROUP	262	2,255.12	2009-07-31	00077948	9250007
Legal	GNOESIS GROUP	262	2,104.78	2009-08-12	00078135	9250007
Legal	GRAY WOODS & COOPER	262	1,706.01	2008-11-05	00070963	9230001
Legal	GRAY WOODS & COOPER	262	2,676.72	2008-12-18	00072631	9230001
Legal	GRAY WOODS & COOPER	262	24,655.49	2008-12-23	00072821	9230001
Legal	GRAY WOODS & COOPER	262	14,499.58	2009-07-20	00163103	9230001
Legal	GRAY WOODS & COOPER	262	4,478.97	2009-07-20	00163104	9230001
Legal	HUNTON & WILLIAMS	260	3,108.00	2009-03-11	00484968	5060000
Legal	JACKSON KELLY PLLC	260	4,635.50	2008-11-24	00458134	5060000
Legal	JACKSON KELLY PLLC	262	29,231.00	2008-12-19	00072653	9230001
Legal	JACKSON KELLY PLLC	262	15,737.65	2009-01-15	00073366	9230001
Legal	JACKSON KELLY PLLC	262	6,004.00	2009-02-25	00074598	9230001
Legal	JACKSON KELLY PLLC	262	3,052.00	2009-03-31	00075414	9230001
Legal	JACKSON KELLY PLLC	262	1,939.00	2009-06-08	00076763	9230001
Legal	KINNER & PATTON	262	332.50	2008-10-14	00012577	9230001
Legal	KINNER & PATTON	262	3,633.50	2008-12-11	00153968	1860092
Legal	KINNER & PATTON	262	2,062.00	2008-12-11	00012904	9230001
Legal	KINNER & PATTON	262	5,040.00	2008-12-19	00154508	9230001
Legal	KINNER & PATTON	262	35.00	2009-01-13	00013070	9230001
Legal	MCBRAYER MCGINNIS LESLIE & KIRK	260	532.44	2009-01-21	00155571	4264000
Legal	MCBRAYER MCGINNIS LESLIE & KIRK	260	63.43	2009-02-27	00157057	4264000
Legal	MCBRAYER MCGINNIS LESLIE & KIRK	260	7.09	2009-03-20	00158153	4264000
Legal	MCBRAYER MCGINNIS LESLIE & KIRK	260	1,390.00	2009-04-07	00158763	4264000
Legal	MCBRAYER MCGINNIS LESLIE & KIRKLAND PLLC	260	37,335.32	2008-12-09	00153825	4264000
Legal	MCBRAYER MCGINNIS LESLIE & KIRKLAND PLLC	260	1,803.00	2009-01-15	00155362	4264000
Legal	STEPTOE & JOHNSON LLP	262	2,186.90	2008-11-03	00152323	9230001
Legal	STEPTOE & JOHNSON LLP	262	38,429.71	2008-12-02	00153437	9230001
Legal	STEPTOE & JOHNSON LLP	262	319.20	2008-12-22	00154585	9230001
Legal	STEPTOE & JOHNSON LLP	262	10,858.93	2009-01-30	00155872	9230001
Legal	STEPTOE & JOHNSON LLP	262	12,805.25	2009-03-16	00157899	9230001
Legal	STEPTOE & JOHNSON LLP	262	4,711.05	2009-04-09	00158923	9230001
Legal	STEPTOE & JOHNSON LLP	262	16,030.77	2009-06-05	00161228	9230001
Legal	STEPTOE & JOHNSON LLP	262	12,692.00	2009-06-05	00161229	9230001
Legal	STEPTOE & JOHNSON LLP	262	4,324.70	2009-06-30	00162290	9230001

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Legal	STEPTOE & JOHNSON LLP	262	15,051.05	2009-07-24	00163313	9230001
Legal	STEPTOE & JOHNSON LLP	262	29,331.32	2009-08-24	00164470	9230001
Legal	STEPTOE & JOHNSON LLP	262	908.64	2009-09-18	00165551	9230001
Legal	STITES & HARBISON	262	3,186.00	2008-10-24	00012637	9230001
Legal	STITES & HARBISON	262	1,189.28	2008-11-05	00012684	9230001
Legal	STITES & HARBISON	262	81.00	2008-11-24	00153174	9230001
Legal	STITES & HARBISON	262	81.00	2008-12-01	00153383	9230001
Legal	STITES & HARBISON	262	5,103.00	2008-12-01	00012820	9230001
Legal	STITES & HARBISON	262	648.00	2008-12-01	00012821	9230001
Legal	STITES & HARBISON	262	1,215.08	2008-12-01	00012822	9230001
Legal	STITES & HARBISON	262	297.00	2008-12-15	00012918	9230001
Legal	STITES & HARBISON	262	243.00	2008-12-15	00012919	9230001
Legal	STITES & HARBISON	262	162.00	2009-01-20	00013105	9230001
Legal	STITES & HARBISON	262	140.28	2009-02-24	00074553	9230001
Legal	STITES & HARBISON	262	730.08	2009-02-24	00074554	9230001
Legal	STITES & HARBISON	262	378.00	2009-02-24	00074555	9230001
Legal	STITES & HARBISON	262	216.00	2009-02-24	00074556	9230001
Legal	STITES & HARBISON	262	262.50	2009-02-24	00013229	9230001
Legal	STITES & HARBISON	262	390.24	2009-03-24	00075236	9230001
Legal	STITES & HARBISON	262	8,883.00	2009-03-24	00075237	9230001
Legal	STITES & HARBISON	262	3,759.32	2009-03-24	00075238	9230001
Legal	STITES & HARBISON	262	4,516.00	2009-03-25	00075271	9230001
Legal	STITES & HARBISON	262	7,562.34	2009-03-27	00075351	9230001
Legal	STITES & HARBISON	262	1,841.88	2009-03-30	00075398	9230001
Legal	STITES & HARBISON	262	3,510.00	2009-04-21	00075835	9230001
Legal	STITES & HARBISON	262	757.68	2009-04-21	00075836	9230001
Legal	STITES & HARBISON	262	1,411.16	2009-04-21	00075837	9230001
Legal	STITES & HARBISON	262	958.07	2009-04-21	00075838	9230001
Legal	STITES & HARBISON	262	1,217.40	2009-04-21	00013452	9230001
Legal	STITES & HARBISON	262	1,436.28	2009-05-12	00076219	9230001
Legal	STITES & HARBISON	262	86.60	2009-05-12	00076220	9230001
Legal	STITES & HARBISON	262	108.00	2009-05-12	00013535	9230001
Legal	STITES & HARBISON	262	81.48	2009-05-12	00013536	9230001
Legal	STITES & HARBISON	262	297.00	2009-05-18	00160433	9230001
Legal	STITES & HARBISON	262	2,538.00	2009-05-26	00160731	9230001
Legal	STITES & HARBISON	262	135.00	2009-06-17	00161751	9230001
Legal	STITES & HARBISON	262	7,560.00	2009-06-30	00162291	9230001
Legal	STITES & HARBISON	262	5,295.12	2009-06-30	00162292	9230001
Legal	STITES & HARBISON	262	1,190.24	2009-07-17	00077606	9230001
Legal	STITES & HARBISON	262	1,296.00	2009-07-20	00163102	9230001
Legal	STITES & HARBISON	262	783.84	2009-08-20	00164374	9230001
Legal	STITES & HARBISON	262	1,593.00	2009-08-20	00078269	9230001
Legal	STITES & HARBISON	262	3,306.35	2009-08-20	00078270	9230001
Legal	STITES & HARBISON	262	162.00	2009-08-20	00013900	9230001
Legal	STITES & HARBISON	262	5,211.00	2009-08-20	00013901	9230001
Legal	STITES & HARBISON	262	162.10	2009-09-18	00078857	9230001
Legal	STITES & HARBISON	262	1,381.40	2009-09-18	00014018	9230001
Legal	STITES & HARBISON	262	5,675.44	2009-09-28	00079056	9230001
Legal	STITES & HARBISON	262	8,873.72	2009-09-29	00165922	9230001
Legal	STOLL KEENON OGDEN PLLC	262	6,001.90	2008-11-05	00012683	9230001
Legal	STOLL KEENON OGDEN PLLC	262	8,928.22	2008-12-04	00012861	9230001
Legal	SWARTZ CAMPBELL LLC	262	14.08	2008-11-25	00071743	9250007
Legal	SWARTZ CAMPBELL LLC	262	148.06	2008-12-19	00072652	9250007
Legal	SWARTZ CAMPBELL LLC	262	2,090.70	2009-01-26	00073703	9250007
Legal	SWARTZ CAMPBELL LLC	262	1,268.37	2009-01-26	00073704	9250007
Legal	SWARTZ CAMPBELL LLC	262	6,210.01	2009-02-17	00074372	9250007
Legal	SWARTZ CAMPBELL LLC	262	531.67	2009-02-17	00074373	9250007
Legal	SWARTZ CAMPBELL LLC	262	3,139.88	2009-03-20	00075175	9250007
Legal	SWARTZ CAMPBELL LLC	262	53.76	2009-03-24	00075235	9250007
Legal	SWARTZ CAMPBELL LLC	262	11.95	2009-04-22	00075855	9250007
Legal	SWARTZ CAMPBELL LLC	262	40.75	2009-04-22	00075856	9250007
Legal	SWARTZ CAMPBELL LLC	262	330.01	2009-05-26	00076491	9250007
Legal	SWARTZ CAMPBELL LLC	262	400.24	2009-06-30	00077291	9250007
Legal	SWARTZ CAMPBELL LLC	262	11.33	2009-07-27	00077849	9250007
Legal	SWARTZ CAMPBELL LLC	262	1,790.86	2009-07-27	00077850	9250007
Legal	SWARTZ CAMPBELL LLC	262	1,009.05	2009-08-20	00078268	9250007

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Legal	SWARTZ CAMPBELL LLC	262	6.77	2009-09-18	00078856	9250007
Legal	SWARTZ CAMPBELL LLC	262	321.80	2009-09-23	00078940	9250007
Other	ACCELERATED PM LLC	260	149.40	2008-10-31	01137331	1070001
Other	ACCELERATED PM LLC	260	525.60	2008-10-31	01137331	1070001
Other	ACCELERATED PM LLC	260	113.80	2008-10-31	01137332	1070001
Other	ACCELERATED PM LLC	260	113.72	2008-10-31	01137332	1070001
Other	BEAN, SHIRLEY	260	100.00	2009-06-01	00160876	9100000
Other	BELLEFONTE PRIMARY CARE CANNONSBURG	260	120.00	2009-09-23	01238025	9250002
Other	BELLEFONTE PRIMARY CARE CANNONSBURG	260	80.00	2009-09-23	01238025	9250002
Other	CBCINNOVIS INC	260	89.50	2009-08-07	00163693	9230001
Other	CITIBANK NA	260	218.06	2009-04-21	01192975	9210001
Other	CITIBANK NA	260	11.38	2009-04-21	01192975	9210001
Other	CITIBANK NA	260	49.48	2009-04-21	01192975	9210001
Other	CITICORP NORTH AMERICA	260	2.63	2008-11-24	01146357	9210001
Other	CITICORP NORTH AMERICA	260	64.78	2008-11-24	01146357	9210001
Other	CITICORP NORTH AMERICA	260	7.26	2009-01-22	01165972	9210001
Other	CITICORP NORTH AMERICA	260	51.38	2009-01-22	01165972	9210001
Other	COATES FIELD SERVICE INC	260	2,511.56	2008-11-11	00152534	1070001
Other	COATES FIELD SERVICE INC	260	2,424.65	2008-11-11	00152535	1070001
Other	COATES FIELD SERVICE INC	260	1,691.25	2008-11-11	00152536	1070001
Other	COATES FIELD SERVICE INC	260	2,872.91	2008-11-11	00152537	1070001
Other	COATES FIELD SERVICE INC	260	578.96	2008-11-11	00721059	1070001
Other	COATES FIELD SERVICE INC	260	509.93	2008-12-11	00153903	1070001
Other	COATES FIELD SERVICE INC	260	3,512.13	2008-12-11	00153904	1070001
Other	COATES FIELD SERVICE INC	260	1,115.27	2008-12-11	00153905	1070001
Other	COATES FIELD SERVICE INC	260	505.25	2008-12-11	00727583	1070001
Other	COATES FIELD SERVICE INC	260	1,010.50	2008-12-11	00727584	1070001
Other	COATES FIELD SERVICE INC	260	2,914.14	2008-12-22	00154514	1070001
Other	COATES FIELD SERVICE INC	260	1,802.64	2009-01-09	00155156	1070001
Other	COATES FIELD SERVICE INC	260	3,479.61	2009-01-09	00155157	1070001
Other	COATES FIELD SERVICE INC	260	562.58	2009-01-09	00155158	1070001
Other	COATES FIELD SERVICE INC	260	490.63	2009-01-09	00155159	1070001
Other	COATES FIELD SERVICE INC	260	495.63	2009-01-09	00732713	1070001
Other	COATES FIELD SERVICE INC	260	42.00	2009-01-27	00155774	1070001
Other	COATES FIELD SERVICE INC	260	1,440.97	2009-01-27	00155775	1070001
Other	COATES FIELD SERVICE INC	260	1,228.57	2009-01-27	00155776	1070001
Other	COATES FIELD SERVICE INC	260	2,314.59	2009-01-27	00155778	1070001
Other	COATES FIELD SERVICE INC	260	1,091.25	2009-01-27	00735101	1070001
Other	COATES FIELD SERVICE INC	260	476.00	2009-03-03	00157140	1070001
Other	COATES FIELD SERVICE INC	260	1,441.75	2009-03-03	00157141	1070001
Other	COATES FIELD SERVICE INC	260	1,630.95	2009-03-03	00157142	1070001
Other	COATES FIELD SERVICE INC	260	1,078.50	2009-03-03	00157145	1070001
Other	COATES FIELD SERVICE INC	260	1,567.70	2009-03-03	00740746	1070001
Other	COATES FIELD SERVICE INC	260	952.00	2009-03-03	00157143	1080005
Other	COATES FIELD SERVICE INC	260	1,818.45	2009-03-03	00157144	5710000
Other	COATES FIELD SERVICE INC	260	20.00	2009-04-14	00159017	1070001
Other	COATES FIELD SERVICE INC	260	476.00	2009-04-14	00159018	1070001
Other	COATES FIELD SERVICE INC	260	594.80	2009-04-14	00159021	1070001
Other	COATES FIELD SERVICE INC	260	238.00	2009-04-14	00159022	1070001
Other	COATES FIELD SERVICE INC	260	476.00	2009-04-14	00747481	1070001
Other	COATES FIELD SERVICE INC	260	1,357.75	2009-04-14	00159020	5710000
Other	COATES FIELD SERVICE INC	260	598.10	2009-05-04	00159802	1070001
Other	COATES FIELD SERVICE INC	260	1,107.10	2009-05-04	00159803	1070001
Other	COATES FIELD SERVICE INC	260	3,237.60	2009-05-04	00159804	1070001
Other	COATES FIELD SERVICE INC	260	283.10	2009-05-04	00159806	1070001
Other	COATES FIELD SERVICE INC	260	476.00	2009-05-04	00750116	1070001
Other	COATES FIELD SERVICE INC	260	548.60	2009-06-08	00161243	1070001
Other	COATES FIELD SERVICE INC	260	34.00	2009-06-08	00161244	1070001
Other	COATES FIELD SERVICE INC	260	578.80	2009-06-08	00161245	1070001
Other	COATES FIELD SERVICE INC	260	476.00	2009-06-08	00161246	1070001
Other	COATES FIELD SERVICE INC	260	1,262.20	2009-06-08	00161248	1070001
Other	COATES FIELD SERVICE INC	260	32.00	2009-06-25	00162014	1070001
Other	COATES FIELD SERVICE INC	260	570.60	2009-06-30	00162234	1070001
Other	COATES FIELD SERVICE INC	260	3,807.70	2009-06-30	00162235	1070001
Other	COATES FIELD SERVICE INC	260	490.32	2009-07-30	00163465	1070001
Other	COATES FIELD SERVICE INC	260	534.32	2009-07-30	00761197	1070001

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Other	COATES FIELD SERVICE INC	260	1,558.96	2009-08-28	00164694	1070001
Other	COATES FIELD SERVICE INC	260	810.83	2009-08-28	00765076	1070001
Other	COATES FIELD SERVICE INC	260	2,576.04	2009-08-28	00765077	1070001
Other	CRANE AMERICA SERVICES	260	3,375.00	2009-02-02	00073842	1070001
Other	CRANE AMERICA SERVICES	260	1,552.50	2009-02-02	00073843	1070001
Other	CT CORPORATION	260	52.48	2009-01-08	00073203	9230001
Other	CT CORPORATION	260	67.98	2009-01-08	00073204	9230001
Other	CT CORPORATION	260	398.70	2009-05-27	00076513	9230001
Other	CT CORPORATION	260	61.50	2009-06-23	00077124	9230001
Other	EASTERN KENTUCKY EXPO CENTER	260	35.00	2009-03-11	00157572	9301009
Other	EASTHAM & ASSOCIATES	260	2,175.48	2008-11-10	00152528	1070001
Other	EDISON ELECTRIC INSTITUTE	260	18,782.44	2009-02-18	01174018	5060000
Other	EDISON ELECTRIC INSTITUTE	260	2,994.00	2009-03-05	01178882	5060000
Other	ENVR SOLUTIONS & INNOVATIONS	260	560.00	2009-08-26	00164522	1070001
Other	FLAIRSOFT LTD	268	3,075.00	2009-04-02	01187494	1070001
Other	GEO ENVIRONMENTAL ASSOC INC	260	490.00	2009-05-28	00075734	1070001
Other	GEO ENVIRONMENTAL ASSOC INC	260	1,037.50	2009-07-14	00077521	1070001
Other	HEARTLAND PUBLICATIONS LLC	262	743.00	2008-10-21	00151715	5880000
Other	HEARTLAND PUBLICATIONS LLC	262	1,560.92	2008-12-11	00153927	5880000
Other	HEARTLAND PUBLICATIONS LLC	262	697.50	2009-01-15	00155360	5880000
Other	INTERNAL REVENUE SERVICE	264	554.00	2009-08-20	00018406	9230001
Other	INVENTIVA INC	260	185.00	2008-10-10	01129059	9090000
Other	INVENTIVA INC	260	185.00	2008-11-20	01144860	9090000
Other	INVENTIVA INC	260	185.00	2008-12-15	01153716	9090000
Other	INVENTIVA INC	260	185.00	2009-01-12	01162853	9090000
Other	INVENTIVA INC	260	185.00	2009-02-17	01173589	9090000
Other	INVENTIVA INC	260	185.00	2009-03-09	01179524	9090000
Other	INVENTIVA INC	260	185.00	2009-04-13	01190526	9090000
Other	INVENTIVA INC	260	185.00	2009-04-13	01190528	9090000
Other	INVENTIVA INC	260	185.00	2009-05-07	01198297	9090000
Other	INVENTIVA INC	260	185.00	2009-07-06	01214797	9090000
Other	INVENTIVA INC	260	185.00	2009-07-10	01216688	9090000
Other	INVENTIVA INC	260	185.00	2009-08-20	01227935	9090000
Other	INVENTIVA INC	260	185.00	2009-09-09	01233638	9090000
Other	JUSTICE LAND SURVEYING	260	3,530.75	2009-04-06	00158725	1070001
Other	JUSTICE LAND SURVEYING	260	765.50	2009-04-06	00158726	1070001
Other	JUSTICE LAND SURVEYING	260	321.65	2009-04-27	00159515	1070001
Other	JUSTICE LAND SURVEYING	260	3,736.50	2009-05-08	00160115	1070001
Other	JUSTICE LAND SURVEYING	260	105.00	2009-05-08	00160116	1070001
Other	JUSTICE LAND SURVEYING	260	8,000.00	2009-07-02	00162343	1070001
Other	JUSTICE LAND SURVEYING	260	891.75	2009-07-02	00162344	1070001
Other	JUSTICE LAND SURVEYING	260	3,561.90	2009-07-15	00162881	1070001
Other	JUSTICE LAND SURVEYING	260	788.50	2009-09-11	00165248	1070001
Other	JUSTICE LAND SURVEYING	260	1,107.25	2009-09-28	00165816	1070001
Other	JUSTICE LAND SURVEYING & ENGINEERING	260	42.00	2009-06-02	00013603	1070001
Other	KINGS DAUGHTERS HEALTH FOUNDATION	260	42.00	2009-01-14	01163568	9250002
Other	KINGS DAUGHTERS HEALTH FOUNDATION	260	125.00	2009-01-14	01163568	9260006
Other	MAIN STREET FAMILY PRACTICE	260	225.00	2009-09-22	01237228	9250002
Other	MINING PROCESS CONSULTANTS LLC	260	1,204.48	2008-11-11	00634653	1070001
Other	MINING PROCESS CONSULTANTS LLC	260	425.00	2009-05-22	00661308	1070001
Other	MINING PROCESS CONSULTANTS LLC	260	170.00	2009-06-03	00662488	1070001
Other	NATIONAL THEATRE FOR CHILDREN	260	3,074.67	2009-01-19	01164825	9301013
Other	NATIONAL THEATRE FOR CHILDREN	260	13,725.17	2009-01-26	01166390	9301013
Other	NATIONAL THEATRE FOR CHILDREN	260	3,074.67	2009-03-12	01181265	9301013
Other	NATIONAL THEATRE FOR CHILDREN	260	3,074.67	2009-05-14	01199998	9301013
Other	OCCUMED LLC	260	45.00	2009-09-21	01236569	9250002
Other	OHIO VALLEY PHYSICIANS	260	50.00	2009-07-07	01215258	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	80.00	2008-11-18	01143646	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2008-11-18	01143646	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	280.00	2009-01-13	01163244	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-01-13	01163244	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-02-11	01171465	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-02-11	01171465	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-03-23	01180747	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	80.00	2009-05-15	01200334	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-05-15	01200334	9250002

Type	Name	Cost Comp	Amount	Date	Voucher	Account
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	17.00	2009-06-11	01208097	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-06-11	01208097	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-06-11	01208097	9250002
Other	OUR LADY OF BELLEFONTE HOSPITAL	260	40.00	2009-07-07	01215256	9250002
Other	OUTCOME LLC	260	46.50	2008-10-21	01133027	9230001
Other	OUTCOME LLC	260	46.50	2009-01-08	01162441	9230001
Other	OUTCOME LLC	260	46.50	2009-04-14	01191127	9230001
Other	OUTCOME LLC	260	46.50	2009-07-09	01216346	9230001
Other	P&RO SOLUTIONS INC	260	6,000.00	2009-03-10	00230018	5100000
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2008-10-02	01125904	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2008-10-31	01137712	9250002
Other	PIKEVILLE MEDICAL CENTER	260	130.00	2008-12-02	01148926	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-01-02	01161393	9250002
Other	PIKEVILLE MEDICAL CENTER	260	130.00	2009-01-02	01161393	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-02-02	01168550	9250002
Other	PIKEVILLE MEDICAL CENTER	260	130.00	2009-02-02	01168550	9250002
Other	PIKEVILLE MEDICAL CENTER	260	130.00	2009-02-02	01168550	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-02-02	01168550	9250002
Other	PIKEVILLE MEDICAL CENTER	260	195.00	2009-04-03	01187976	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-04-03	01187976	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-04-03	01187976	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-05-08	01198457	9250002
Other	PIKEVILLE MEDICAL CENTER	260	65.00	2009-07-16	01218190	9250002
Other	PLATT ENVIRONMENTAL SERVICES	260	23,552.05	2009-01-28	00073754	5020000
Other	POWERSVISION	260	800.00	2009-03-20	01183811	5120000
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.76	2009-03-16	00157869	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.98	2009-03-16	00157870	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.98	2009-03-16	00157871	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	11.88	2009-03-16	00157872	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	13.20	2009-03-16	00157873	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.76	2009-03-16	00157874	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.76	2009-03-16	00157875	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	13.20	2009-03-16	00157876	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.98	2009-04-21	00159366	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	2.53	2009-04-21	00159367	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	13.64	2009-04-21	00159368	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	14.08	2009-04-21	00159369	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	11.88	2009-04-21	00159370	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	14.52	2009-04-21	00159371	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	18.26	2009-04-21	00159372	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	8.80	2009-04-21	00159373	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	13.20	2009-04-21	00159374	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.54	2009-04-21	00159375	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	12.76	2009-04-21	00159376	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	9.24	2009-06-19	00161827	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	1.54	2009-08-10	00163839	9301010
Other	PR NEWSWIRE ASSOCIATION LLC	260	3.96	2009-09-15	00165400	9301010
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2008-10-02	01125901	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2008-10-17	01131829	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2008-12-31	01160632	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-01-13	01163247	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-01-30	01168071	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-01-30	01168072	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-03-25	01184982	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-03-25	01184983	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-05-28	01203846	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-06-03	01205486	9250002
Other	PRIMARY CARE CENTERS OF E KENTUCKY	260	50.00	2009-07-31	01222172	9250002
Other	RYAN, CHARLES ASSOCIATES INC	260	3,710.00	2009-04-13	00000737	9260010
Other	SCHLUMBERGER CARBON SERVICES	260	15,000.00	2008-12-09	01151458	1880000
Other	STANTEC CONSULTING SERVICES IN	260	9,704.66	2009-05-14	00076214	1070001
Other	THINK RESOURCES LP	260	570.87	2008-10-16	01131099	1070001
Other	UNITED PARCEL SERVICE	260	9.25	2008-10-08	01128020	1070001
Other	VENTYX INC	260	2,810.00	2009-08-04	00077967	5000000
Other	WYMT-TV	260	6,800.00	2008-10-20	00151703	9302000

Type	Name	Cost Comp	Amount	Date	Voucher	Account
ACCOUNTING AUDIT FEES						
Journal	Line Descr	Cost Comp	Amount	Date		
AUDITFEE	ACCRUE AUDIT FEE	265	6,841.00	2009-09-30		
AUDITFEE	ACCRUE AUDIT FEE	265	6,841.00	2009-08-31		
AUDITFEE	ACCRUE AUDIT FEE	265	6,841.00	2009-07-31		
AUDITFEE	ACCRUE AUDIT FEE	265	7,891.00	2009-06-30		
AUDITFEE	ACCRUE AUDIT FEE	265	7,891.00	2009-05-31		
AUDITFEE	ACCRUE AUDIT FEE	265	7,891.00	2009-04-29		
AUDITFEE	ACCRUE AUDIT FEE	265	7,891.00	2009-03-31		
AUDITFEE	ACCRUE AUDIT FEE	265	7,891.00	2009-02-27		
AUDITFEE	ACCRUE AUDIT FEE	265	7,920.00	2009-01-31		
AUDITFEE	ACCRUE AUDIT FEE	265	(9,204.00)	2008-12-31		
AUDITFEE	ACCRUE AUDIT FEE	265	8,913.00	2008-11-30		
AUDITFEE	ACCRUE AUDIT FEE	265	8,899.00	2008-10-31		
AUDITFEE	ACCRUE AUDIT FEE	265	10,103.00	2009-09-30		
AUDITFEE	ACCRUE AUDIT FEE	265	10,103.00	2009-08-31		
AUDITFEE	ACCRUE AUDIT FEE	265	10,103.00	2009-07-31		
AUDITFEE	ACCRUE AUDIT FEE	265	11,653.00	2009-06-30		
AUDITFEE	ACCRUE AUDIT FEE	265	11,653.00	2009-05-31		
AUDITFEE	ACCRUE AUDIT FEE	265	11,653.00	2009-04-29		
AUDITFEE	ACCRUE AUDIT FEE	265	11,653.00	2009-03-31		
AUDITFEE	ACCRUE AUDIT FEE	265	11,653.00	2009-02-27		
AUDITFEE	ACCRUE AUDIT FEE	265	11,696.00	2009-01-31		
AUDITFEE	ACCRUE AUDIT FEE	265	(12,985.00)	2008-12-31		
AUDITFEE	ACCRUE AUDIT FEE	265	12,223.00	2008-11-30		
AUDITFEE	ACCRUE AUDIT FEE	265	12,205.00	2008-10-31		
AUDITFEE	ACCRUE AUDIT FEE	265	9,455.00	2009-09-30		
AUDITFEE	ACCRUE AUDIT FEE	265	9,455.00	2009-08-31		
AUDITFEE	ACCRUE AUDIT FEE	265	9,455.00	2009-07-31		
AUDITFEE	ACCRUE AUDIT FEE	265	10,906.00	2009-06-30		
AUDITFEE	ACCRUE AUDIT FEE	265	10,906.00	2009-05-31		
AUDITFEE	ACCRUE AUDIT FEE	265	10,906.00	2009-04-29		
AUDITFEE	ACCRUE AUDIT FEE	265	10,906.00	2009-03-31		
AUDITFEE	ACCRUE AUDIT FEE	265	10,906.00	2009-02-27		
AUDITFEE	ACCRUE AUDIT FEE	265	10,946.00	2009-01-31		
AUDITFEE	ACCRUE AUDIT FEE	265	(12,815.00)	2008-12-31		
AUDITFEE	ACCRUE AUDIT FEE	265	12,327.00	2008-11-30		
AUDITFEE	ACCRUE AUDIT FEE	265	12,309.00	2008-10-31		
CASH_AJE	Outside Svcs Empl - Nonassoc	264	102,760.71	2008-12-31		

Total Professional Services

2,390,617.00

Accounting-Annual Audit	396,641.71
Accounting-Other	3,050.00
Total Accounting	<u>399,691.71</u>
Legal	641,177.87
Engineering	1,123,578.50
Other	226,168.92

Kentucky Power Company

REQUEST

Provide a detailed analysis of contributions for charitable and political purposes (in cash or services), if any, recorded in accounts other than Account No. 426. Show the amount of the expenditure, the recipient of the contribution, and the specific account charged. If amounts are allocated, show a calculation of the factor used to allocate each amount. Detailed analysis is not required for amounts of less than \$100, provided the items are grouped by classes.

RESPONSE

The requested analysis is shown on page 2 of this response.

WITNESS: Timothy C Mosher

Kentucky Power Company
Charitable Contributions other than Account No. 426
October 1, 2008 through September 30, 2009

<u>Amount</u>	<u>Recipient</u>	<u>Account</u>	<u>Date</u>
50,000.00	Carbon Management Research Group	1823188	2009-06-03
50,000.00	Carbon Management Research Group	1823188	2009-06-22
50,000.00	Carbon Management Research Group	1823188	2009-09-30
<u>150,000.00</u>			

Kentucky Power Company

REQUEST

Describe Kentucky Power's lobbying activities and provide a schedule showing the name, salary, affiliation, all company-paid or reimbursed expenses or allowances, and the account charged for each individual whose principal function is lobbying on the local, state, or national level. If any amounts are allocated, show a calculation of the factor used to allocate each amount.

RESPONSE

Kentucky Power Company's (KPCo) lobbying activities include following state and local legislative issues that may effect Kentucky Power or its customers. As issues emerge, a corporate strategy is developed in concert with AEP headquarters in Columbus to assure alignment with the other states in which AEP operates. The activities are the responsibility of James Keeton, the Company's governmental/environmental affairs manager, whose principal functions include lobbying at the local and state level. Mr. Keeton is also responsible for environmental matters for the Company. AEP has a Federal Affairs office in Washington, D.C. responsible for lobbying activities at the national level.

During the test year period, 16.4% (\$17,746) of Mr. Keeton's \$108,430 salary was directly charged to Account 426.4, along with \$58,101 in expenses based upon the nature and purpose of the work performed. Expenses in this account were below the line for purposes of calculating the Company's revenue requirement. Also included in Account 426.4 were approximately 3.49% of the total AEPSC Federal Affairs office in Washington, D.C. costs or \$64,886 (includes \$30,060 in labor costs) allocated to KPCo by AEPSC for federal lobbying activities. Of the \$64,886, \$1,387 was allocated using the number of employees allocation factor and \$63,499 was allocated using the total asset allocation factor established in the Company's Cost Allocation Manual..

WITNESS: Timothy C Mosher

Kentucky Power Company

REQUEST

Provide a schedule showing for the test year and the year preceding the test year, with each year shown separately, the following information regarding Kentucky Power's investments in subsidiaries and joint ventures:

- a. Name of subsidiary or joint venture;
- b. Date of initial investment;
- c. Amount and type of investment made for each of the two years included in this response;
- d. Balance sheet and income statement (where only internal statements are prepared, furnish copies of these);
- e. A separate schedule of all dividends or income of any type received by Kentucky Power from its subsidiaries or joint ventures showing how this income is reflected in the reports filed with the Commission and stockholder reports; and
- f. Name of each officer of each of the subsidiaries or joint ventures, each officer's annual compensation, the portion of that compensation that is charged to the subsidiary or joint venture, the position each officer holds with Kentucky Power, and the compensation received from Kentucky Power.

RESPONSE

Kentucky Power does not have any investments in subsidiaries or joint ventures.

WITNESS: Errol K Wagner

Kentucky Power Company

REQUEST

Provide the following information with regard to uncollectible accounts for the test year and three preceding calendar years (taxable year acceptable):

- a. Reserve account balance at the beginning of the year;
- b. Charges to reserve account (accounts charged off);
- c. Credits to reserve account;
- d. Current year provision;
- e. Reserve account balance at the end of the year; and
- f. Percent of provision to total revenue.

RESPONSE

The requested information is attached.

WITNESS: Errol K Wagner

KENTUCKY POWER COMPANY
Uncollectible Accounts
For the Test Year and 3 Preceding Calendar Years

Description	Reserve Account Balance at Beginning of Year	Charges to Reserve Account	Credits to Reserve Account (in thousands)	Current Year Provision	Reserve Account Balance at the end of Year	% of Provision to Total Revenues
Accumulated Provision for Uncollectible Accounts: Test Year Ended September 30, 2009	\$ 5,384	\$ -	\$ (293)	\$ (4,228)	863	0.12882%
Year Ended December 31, 2008	1,071	-	-	74	1,145	0.16525%
Year Ended December 31, 2007	227	-	682	162	1,071	0.17554%
Year Ended December 31, 2006	147	-	-	80	227	0.03844%

The above information represents receivables due the utility for transactions other than electric services.

Kentucky Power factors its uncollectible electric receivables. Therefore, Kentucky Power does not maintain a reserve for these uncollectible accounts.

Kentucky Power Company

REQUEST

Provide a detailed analysis of the retained earnings account for the test year and the 12-month period immediately preceding the test year.

RESPONSE

A detailed analysis of the retained earnings account for the test year and the 12-months period immediately preceding the test year is attached.

WITNESS: Errol K Wagner

KENTUCKY POWER COMPANY

Case No. 2009-00459

Retained Earnings Analysis

TEST YEAR	Oct-08	Nov-08	Dec-08	Jan-09	Feb-09	Mar-09	Apr-09	May-09	Jun-09	Jul-09	Aug-09	Sep-09
BEGINNING BALANCE	150,243,243.33	155,110,354.26	150,220,921.07	138,749,088.79	143,984,669.51	135,509,988.82	141,453,171.70	144,820,372.76	139,981,268.75	140,911,263.56	143,658,352.95	144,374,344.67
NET INCOME (LOSS)	4,867,110.93	1,610,566.81	(11,471,832.29)	5,235,580.72	(1,724,680.69)	5,943,182.88	3,367,201.07	1,910,895.99	929,994.81	2,747,089.39	715,991.71	(2,154,136.53)
TOTAL	155,110,354.26	156,720,921.07	138,749,088.79	143,984,669.51	142,259,988.82	141,453,171.70	144,820,372.76	146,731,268.75	140,911,263.56	143,658,352.95	144,374,344.67	142,220,208.14
DIVIDEND DECLARED ON COMMON	0.00	(6,500,000.00)	0.00	0.00	(6,750,000.00)	0.00	0.00	(6,750,000.00)	0.00	0.00	0.00	0.00
ADJUSTMENT TO RETAINED EARNINGS	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
ENDING BALANCE	155,110,354.26	150,220,921.07	138,749,088.79	143,984,669.51	135,509,988.82	141,453,171.70	144,820,372.76	139,981,268.75	140,911,263.56	143,658,352.95	144,374,344.67	142,220,208.14

PRIOR YEAR	Oct-07	Nov-07	Dec-07	Jan-08	Feb-08	Mar-08	Apr-08	May-08	Jun-08	Jul-08	Aug-08	Sep-08
BEGINNING BALANCE	120,039,673.19	119,811,474.12	123,245,892.22	128,583,535.72	133,366,873.09	132,903,688.20	136,861,909.22	138,953,181.22	135,767,133.21	145,291,791.02	149,611,371.67	150,955,986.59
NET INCOME (LOSS)	(228,199.07)	4,434,418.10	5,337,643.49	4,783,337.38	2,402,583.00	3,958,221.02	2,091,272.01	(686,048.02)	9,524,657.81	4,319,580.65	3,844,614.92	(712,743.26)
TOTAL	119,811,474.12	124,245,892.22	128,583,535.72	133,366,873.09	135,769,456.09	136,861,909.22	138,953,181.22	138,267,133.21	145,291,791.02	149,611,371.67	153,455,986.59	150,243,243.33
DIVIDEND DECLARED ON COMMON	0.00	(1,000,000.00)	0.00	0.00	(2,500,000.00)	0.00	0.00	(2,500,000.00)	0.00	0.00	(2,500,000.00)	0.00
ADJUSTMENT TO RETAINED EARNINGS	0.00	0.00	0.00	0.00	(365,767.89)	0.00	0.00	0.00	0.00	0.00	0.00	0.00
BEGINNING BALANCE	119,811,474.12	123,245,892.22	128,583,535.72	133,366,873.09	132,903,688.20	136,861,909.22	138,953,181.22	135,767,133.21	145,291,791.02	149,611,371.67	150,955,986.59	150,243,243.33

Kentucky Power Company

REQUEST

Provide a listing of all non-utility property, related property taxes, and accounts where amounts are recorded. Include a description of the property, the date purchased, and the cost.

RESPONSE

Please see Page 2 attached.

WITNESS: Errol K Wagner

KENTUCKY POWER COMPANY
 NON-UTILITY PROPERTY
 AS OF SEPTEMBER 30, 2009

Line No.	GL Account	Plant Account	Property Description	Purchase Date	Cost	Property Tax	
						Amount	Account
						\$3,880.47	4082005
				1982	\$416,807.00	\$179.14	4082005
				1963	\$15,143.00	\$2,113.91	4082005
1	1210001	35000 - Land	Western Kentucky 345KV Corridor Right of Way : KEP : 1163	1982	\$330,782.00	\$15.38	4082005
2	1210001	35000 - Land	Bellefonte - Big Sandy 138KV Line Right-of-Way (Future Use) : KEP : 1054	1971	\$2,225.00	\$2.97	4082005
3	1210001	35010 - Land Rights	Western Kentucky 345KV Corridor Right of Way : KEP : 1163	1951	\$303.00	\$120.62	4082005
4	1210001	35010 - Land Rights	Savage Branch Tower No.49 138KV Right-of-Way (Future Use) : KEP : 1077	1941	\$12,313.00	\$4,772.00	4082005
5	1210001	36000 - Land	Old Betsy Layne Substation Site : KEP : 4053	1982	\$25,773.00	\$20.09	4082005
6	1210001	36000 - Land	Old Betsy Layne Substation Site : KEP : 4053	1975	\$2,051.00	\$391.95	4082005
7	1210001	38900 - Land	Pikeville (Former) Service Building : KEP : 4049	1990	\$42,820.00		
8	1210001	38900 - Land	Mud Creek Microwave Repeater Station Site : KEP : 4096	1982	\$109,391.00	Incl. with line 7 above	
9	1210001	39000 - Structures and Improvements	Ashland 25th Street Station Building : KEP : 1004		\$957,608.00	\$11,496.53	
10	1210001	39000 - Structures and Improvements	Pikeville (Former) Service Building : KEP : 4049				
11			Total Non-Utility Property				

Kentucky Power Company

REQUEST

Provide the rates of return in Schedule 38.

RESPONSE

The rate of return in Format 38 is shown on Page 2 of this response. Due to the small nature of the Kentucky non-jurisdictional portion of KPCo's business (approximately 1%), the total Company rate of return was not broken down between the Kentucky jurisdiction and the other jurisdiction.

WITNESS: Errol K. Wagner

Kentucky Power Company

Schedule 38

Case No. 2009-00459

Average Rates of Return
 For the Calendar Years 2004 through 2008
 And the Test Year

Line No.	Item (a)	Kentucky Jurisdiction (b)	Other Jurisdiction (c)	Total Company (d)
1.	Original Cost Net Investment:			
2.	2004			2.7697%
3.	2005			2.2202%
4.	2006			3.6728%
5.	2007			3.3324%
6.	2008			2.3611%
7.	Test Year			1.0976%
8.	Original Cost Common Equity			
9.	2004			8.0800%
10.	2005			6.2490%
11.	2006			9.7260%
12.	2007			8.5700%
13.	2008			6.1380%
14.	Test Year			2.9040%

Kentucky Power Company
Workpapers

	<u>Annual Earnings</u>	<u>Common Equity</u>	<u>13 Month Average Common Equity</u>	<u>ROE</u>	<u>Net Electric Utility Plant</u>	<u>13 Month Average Net Plant</u>	<u>Return on Net Investment</u>
Dec-03		317,138,188.38			941,729,925.33		
Jan-04		323,289,844.22			937,937,468.94		
Feb-04		320,179,638.49			936,038,861.37		
Mar-04		321,744,127.43			934,949,431.56		
Apr-04		322,670,433.08			934,856,444.44		
May-04		317,775,034.00			935,375,846.65		
Jun-04		319,354,681.71			935,586,445.10		
Jul-04		323,348,222.81			934,167,965.33		
Aug-04		322,455,438.03			933,563,014.14		
Sep-04		321,971,602.75			933,730,872.21		
Oct-04		319,544,253.78			933,324,491.82		
Nov-04		317,806,677.48			932,441,727.10		
Dec-04	25,904,691.56	320,980,310.29	320,635,266.00	8.0800%	934,860,539.26	935,274,079.00	2.7697%
Jan-05		325,624,630.98			933,254,185.46		
Feb-05		327,168,141.82			931,153,836.72		
Mar-05		328,238,137.14			931,357,158.42		
Apr-05		329,043,278.98			932,394,744.06		
May-05		331,277,380.42			933,332,560.85		
Jun-05		331,354,481.33			936,050,766.34		
Jul-05		334,543,663.03			937,295,514.77		
Aug-05		335,623,657.18			937,662,184.05		
Sep-05		338,189,843.93			939,333,842.01		
Oct-05		340,671,048.96			941,120,804.40		
Nov-05		338,346,368.18			944,015,211.80		
Dec-05	20,809,399.91	347,841,405.67	332,992,490.00	6.2490%	952,871,183.18	937,284,810.00	2.2202%
Jan-06		353,579,290.36			953,207,184.55		
Feb-06		357,085,996.13			955,092,576.99		
Mar-06		356,791,935.45			957,516,101.62		
Apr-06		358,019,045.54			942,853,755.17		
May-06		358,320,334.14			946,247,298.75		
Jun-06		360,466,185.49			947,978,570.79		
Jul-06		363,881,438.32			950,100,128.01		
Aug-06		363,909,593.65			951,822,790.75		
Sep-06		364,034,369.19			956,695,893.06		
Oct-06		365,621,445.98			958,974,859.33		
Nov-06		363,769,499.40			961,444,912.94		
Dec-06	35,035,029.34	369,651,869.08	360,228,647.00	9.7260%	965,831,506.41	953,895,136.00	3.6728%
Jan-07		374,353,261.34			965,283,355.47		
Feb-07		376,729,221.06			965,212,902.24		
Mar-07		377,033,854.63			966,460,084.05		
Apr-07		378,338,219.66			967,619,800.78		
May-07		374,424,391.16			970,033,739.16		
Jun-07		379,571,879.89			972,070,601.17		
Jul-07		384,572,427.99			974,317,377.18		
Aug-07		385,489,574.47			975,626,567.95		
Sep-07		379,040,954.89			976,603,730.91		
Oct-07		377,527,397.16			981,643,852.89		
Nov-07		381,746,425.38			986,033,684.37		
Dec-07	32,469,556.52	386,969,988.00	378,880,728.00	8.5700%	1,000,047,692.84	974,368,069.00	3.3324%
Jan-08		391,290,848.49			1,002,425,461.10		
Feb-08		388,907,398.76			1,007,054,891.44		
Mar-08		392,912,567.16			1,011,451,035.81		
Apr-08		395,010,973.66			1,021,226,161.98		
May-08		392,041,104.78			1,029,762,835.38		
Jun-08		400,341,682.97			1,035,915,317.28		
Jul-08		407,818,254.50			1,043,910,650.86		
Aug-08		409,551,948.55			1,055,911,103.38		
Sep-08		409,068,447.81			1,059,632,200.21		
Oct-08		414,267,048.45			1,068,485,910.47		
Nov-08		409,438,774.70			1,077,862,791.15		
Dec-08	24,531,320.96	398,008,673.48	399,663,670.00	6.1380%	1,092,923,062.35	1,038,969,932.00	2.3611%
Jan-09		403,259,099.61			1,094,120,299.73		
Feb-09		394,955,225.30			1,097,125,188.63		
Mar-09		400,961,274.56			1,097,551,359.44		
Apr-09		404,345,135.63			1,100,210,694.24		
May-09		399,392,692.69			1,100,714,100.25		
Jun-09		430,096,124.06			1,100,868,954.22		
Jul-09		432,632,913.37			1,099,506,846.43		
Aug-09		433,205,706.16			1,097,938,146.25		
Sep-09	11,976,964.81	431,042,090.39	412,359,477.00	2.9040%	1,099,077,707.94	1,091,232,097.00	1.0976%

Kentucky Power Company

REQUEST

Provide employee data in Schedule 39.

RESPONSE

The employee data in Format 39 is attached. Only applicable categories were included.

WITNESS: Ranie K Wohnhas

KENTUCKY POWER COMPANY

Calendar Years	Power Production			Transmission			Distribution			Customer Accounts			Administrative and General			Total		
	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages
Prior to Test																		
5th Year	138	243,011.30	7,857,918.06	54	93,062.90	2,797,012.46	146	296,003.47	9,382,463.05	48	83,870.18	1,959,443.20	37	65,765.75	2,285,974.66	423	781,713.60	24,282,811.43
% Change	5.80%	7.66%	11.40%	1.85%	1.08%	6.90%	25.34%	17.01%	15.91%	12.50%	11.02%	18.75%	0.00%	4.07%	13.84%	12.29%	10.47%	13.45%
4th Year	146	261,617.60	8,754,101.46	55	94,064.30	2,990,039.41	183	346,354.64	10,875,215.61	54	93,108.55	2,326,832.70	37	68,443.25	2,602,339.16	475	863,588.34	27,548,528.34
% Change	4.11%	6.92%	13.26%	1.82%	6.10%	12.00%	-3.28%	-6.96%	-0.89%	18.52%	20.02%	25.54%	43.24%	31.59%	33.85%	5.68%	4.63%	10.52%
3rd Year	152	279,734.55	9,914,461.04	56	99,800.00	3,348,711.18	177	322,246.80	10,778,876.47	64	111,749.24	2,921,196.22	53	90,064.30	3,483,287.42	502	903,594.89	30,446,532.33
% Change	0.66%	2.20%	0.53%	3.57%	1.47%	8.92%	2.26%	5.88%	5.24%	-3.13%	-1.74%	1.58%	-5.66%	2.41%	6.56%	0.40%	2.97%	3.91%
2nd Year	153	285,881.05	9,967,060.74	58	101,268.20	3,647,514.16	181	341,194.70	11,343,965.54	62	109,807.15	2,967,299.68	50	92,238.20	3,711,908.15	504	930,389.30	31,637,748.27
% Change	3.27%	10.42%	15.09%	0.00%	4.82%	7.58%	0.55%	4.89%	16.59%	4.84%	0.02%	10.34%	4.00%	-1.91%	10.15%	2.18%	5.33%	13.74%
1st Year	158	315,662.40	11,471,298.47	58	106,146.18	3,924,032.39	182	357,872.16	13,225,963.90	65	109,828.78	3,274,196.65	52	90,478.85	4,088,701.86	515	979,988.37	35,984,193.27
% Change	-1.27%	-7.63%	-4.46%	-6.90%	-10.14%	-11.92%	-6.59%	-2.91%	-2.33%	-1.54%	2.34%	1.20%	7.69%	13.37%	3.86%	-2.91%	-3.12%	-3.03%
Test Year	156	291,581.15	10,960,195.66	54	95,382.58	3,456,120.55	170	347,471.64	12,917,919.53	64	112,393.35	3,313,624.28	56	102,571.47	4,246,658.10	500	949,400.19	34,894,518.12

Kentucky Power Company

REQUEST

Provide the studies for the test year, including all applicable workpapers, which are the basis of jurisdictional plant allocations and expense account allocations.

RESPONSE

The Company's jurisdictional plant and expense allocation study, with supporting schedules, can be found in the Company's December 29, 2009 filing, Volume 2, Section V, Schedule 5 through Schedule 19.

WITNESS: Errol K Wagner

Kentucky Power Company

REQUEST

Provide a calculation of the rate or rates used to capitalize interest during construction for the test year and the three preceding calendar years. Explain each component entering into the calculation of this rate.

RESPONSE

Please see attached schedule which includes the September 2009, December 2008, December 2007 and December 2006 AFUDC (Allowance for Funds Used During Construction) rate calculations. The calculations include a description of each component.

WITNESS: Ranie K Wohnhas

Kentucky Power Company
 Computation Of AFUDC Rate
 For September 2009

Line No.	Description	Amount	
1	AFUDC Rate - Simple (AFUDC_S)		
2	Gross Rate for Borrowed Funds $Ai = s(S/W) + d(D/D+P+C)(1-S/W)$	3.58%	
3	Gross Rate for Other Funds $Ae = [1-S/W][p(P/D+P+C) + c(C/D+P+C)]$	4.65%	
4	Total AFUDC Simple Rate, AFUDC_S	<u>8.24%</u>	
5	AFUDC Rate - Compound (Semi-Annual), Maximum Rate (AFUDC_C)		<u>Monthly</u>
6	Gross Rate for Borrowed Funds - Maximum Rate $Ai_C = (Ai/2) + ((1+Ai/2)*Ai/2)$	3.62%	0.00296497
7	Gross Rate for Other Funds - Maximum Rate $Ae_C = (Ae/2) + ((1+Ae/2)*Ae/2)$	4.71%	0.00383956
8	Total AFUDC Maximum Rate, AFUDC_C = $Ai_C + Ae_C$	<u>8.32%</u>	<u>0.00680452</u>
9	$AFUDC_C = ((1*AFUDC_S)/2) + ((1+(AFUDC_S/2))*(AFUDC_S/2))$		
10	Ai = Gross allowance for borrowed funds used during construction rate.		
11	Ae = Allowance for other funds used during construction rate.		
12	S = Prior month average short-term debt balance. (\$000)	0	
13	s = Short term debt interest rate.	0.00000000%	
14	D = Prior month ending Long-term debt balance. (\$000)	544,596,636	
15	d = Long-term debt interest rate.	6.43571800%	
16	P = Prior month ending Preferred stock balance. (\$000)	0	
17	p = Preferred stock cost rate.	0.00000000%	
18	C = Prior month ending Common Equity balance. (\$000)	433,205,706	
19	c = Common equity cost rate.	10.50000000%	
20	W = Average balance in construction work in progress. (\$000)	25,106,319	
21	$S/W =$	0.00%	
22	$1-S/W =$	100.00%	
23	$D+P+C =$ Total capitalization. (\$000)	977,802,342	

Kentucky Power Company
 Computation Of AFUDC Rate
 For December 2008

Line No.	Description	Amount	
1	AFUDC Rate - Simple (AFUDC_S)		
2	Gross Rate for Borrowed Funds $A_i = s(S/W) + d(D/D+P+C)(1-S/W)$	4.06%	
3	Gross Rate for Other Funds $A_e = [1-S/W][p(P/D+P+C) + c(C/D+P+C)]$	0.00%	
4	Total AFUDC Simple Rate, AFUDC_S	<u>4.06%</u>	
5	AFUDC Rate - Compound (Semi-Annual), Maximum Rate (AFUDC_C)		<u>Monthly</u>
6	Gross Rate for Borrowed Funds - Maximum Rate $A_{i_C} = (A_i/2) + ((1+A_i/2)*A_i/2)$	4.10%	0.00335105
7	Gross Rate for Other Funds - Maximum Rate $A_{e_C} = (A_e/2) + ((1+A_e/2)*A_e/2)$	0.00%	0
8	Total AFUDC Maximum Rate, $AFUDC_C = A_{i_C} + A_{e_C}$	<u>4.10%</u>	<u>0.00335105</u>
9	$AFUDC_C = ((1*AFUDC_S)/2) + ((1+(AFUDC_S/2))*(AFUDC_S/2))$		
10	A_i = Gross allowance for borrowed funds used during construction rate.		
11	A_e = Allowance for other funds used during construction rate.		
12	S = Prior month average short-term debt balance. (\$000)	102,627,010	
13	s = Short term debt interest rate.	4.05510000%	
14	D = Prior month ending Long-term debt balance. (\$000)	415,010,493	
15	d = Long-term debt interest rate.	6.13049700%	
16	P = Prior month ending Preferred stock balance. (\$000)	0	
17	p = Preferred stock cost rate.	0.00000000%	
18	C = Prior month ending Common Equity balance. (\$000)	409,438,775	
19	c = Common equity cost rate.	10.50000000%	
20	W = Average balance in construction work in progress. (\$000)	90,203,624	
21	S/W =	100.00%	
22	$1-S/W$ =	0.00%	
23	$D+P+C$ = Total capitalization. (\$000)	824,449,267	

Kentucky Power Company
 Computation Of AFUDC Rate
 For December 2007

Line No.	Description	Amount	
1	AFUDC Rate - Simple (AFUDC_S)		
2	Gross Rate for Borrowed Funds $A_i = s(S/W) + d(D/D+P+C)(1-S/W)$	3.47%	
3	Gross Rate for Other Funds $A_e = [1-S/W][p(P/D+P+C) + c(C/D+P+C)]$	4.47%	
4	Total AFUDC Simple Rate, AFUDC_S	<u>7.95%</u>	
5	AFUDC Rate - Compound (Semi-Annual), Maximum Rate (AFUDC_C)		<u>Monthly</u>
6	Gross Rate for Borrowed Funds - Maximum Rate $A_{i_C} = (A_i/2) + ((1+A_i/2)*A_i/2)$	3.50%	0.00287243
7	Gross Rate for Other Funds - Maximum Rate $A_{e_C} = (A_e/2) + ((1+A_e/2)*A_e/2)$	4.52%	0.00369368
8	Total AFUDC Maximum Rate, AFUDC_C = $A_{i_C} + A_{e_C}$	<u>8.03%</u>	<u>0.00656611</u>
9	$AFUDC_C = ((1*AFUDC_S)/2) + ((1+(AFUDC_S/2))*(AFUDC_S/2))$		
10	A_i = Gross allowance for borrowed funds used during construction rate.		
11	A_e = Allowance for other funds used during construction rate.		
12	S = Prior month average short-term debt balance. (\$000)	0	
13	s = Short term debt interest rate.	0.00000000%	
14	D = Prior month ending Long-term debt balance. (\$000)	514,261,921	
15	d = Long-term debt interest rate.	6.04891700%	
16	P = Prior month ending Preferred stock balance. (\$000)	0	
17	p = Preferred stock cost rate.	0.00000000%	
18	C = Prior month ending Common Equity balance. (\$000)	381,746,425	
19	c = Common equity cost rate.	10.50000000%	
20	W = Average balance in construction work in progress. (\$000)	44,553,273	
21	S/W =	0.00%	
22	1-S/W =	100.00%	
23	D+P+C = Total capitalization. (\$000)	896,008,347	

Kentucky Power Company
 Computation Of AFUDC Rate
 For December 2006

Line No.	Description	Amount	
1	AFUDC Rate - Simple (AFUDC_S)		
2	Gross Rate for Borrowed Funds $Ai = s(S/W) + d(D/D+P+C)(1-S/W)$	3.90%	
3	Gross Rate for Other Funds $Ae = [1-S/W][p(P/D+P+C) + c(C/D+P+C)]$	0.00%	
4	Total AFUDC Simple Rate, AFUDC_S	<u>3.90%</u>	
5	AFUDC Rate - Compound (Semi-Annual), Maximum Rate (AFUDC_C)		<u>Monthly</u>
6	Gross Rate for Borrowed Funds - Maximum Rate $Ai_C = (Ai/2) + ((1+Ai/2)*Ai/2)$	3.94%	0.00322292
7	Gross Rate for Other Funds - Maximum Rate $Ae_C = (Ae/2) + ((1+Ae/2)*Ae/2)$	0.00%	0
8	Total AFUDC Maximum Rate, $AFUDC_C = Ai_C + Ae_C$	<u>3.94%</u>	<u>0.00322292</u>
9	$AFUDC_C = ((1*AFUDC_S)/2) + ((1+(AFUDC_S/2))*(AFUDC_S/2))$		
10	Ai = Gross allowance for borrowed funds used during construction rate.		
11	Ae = Allowance for other funds used during construction rate.		
12	S = Prior month average short-term debt balance. (\$000)	29,480,189	
13	s = Short term debt interest rate.	3.89880000%	
14	D = Prior month ending Long-term debt balance. (\$000)	444,566,577	
15	d = Long-term debt interest rate.	5.55992600%	
16	P = Prior month ending Preferred stock balance. (\$000)	0	
17	p = Preferred stock cost rate.	0.00000000%	
18	C = Prior month ending Common Equity balance. (\$000)	363,769,499	
19	c = Common equity cost rate.	10.50000000%	
20	W = Average balance in construction work in progress. (\$000)	19,900,727	
21	$S/W =$	100.00%	
22	$1-S/W =$	0.00%	
23	$D+P+C =$ Total capitalization. (\$000)	808,336,076	

Kentucky Power Company

REQUEST

Provide the following information concerning Kentucky Power and its affiliated service company:

- a. A schedule detailing the costs directly charged to and cost allocated by Kentucky Power to the service company. Indicate the Kentucky Power accounts where these costs were originally recorded. For costs that are allocated, include a description of the allocation factors utilized.
- b. A schedule detailing the costs directly charged to and costs allocated by the service company to Kentucky Power. Indicate the Kentucky Power accounts where these costs were recorded. For costs that are allocated, include a description of the allocation factors utilized.

RESPONSE

- a. During the test year, there were no costs charged by Kentucky Power to the service company (AEPSC).
- b. Refer to attached Pages 2 through 10 for a detailed listing of O&M charges from AEPSC to Kentucky Power during the test year, by FERC account and allocation factor. Allocation factor calculation descriptions and update frequency are provided in the attached Pages 11 through 13.

WITNESS: Errol K Wagner / J W Hoersdig

Kentucky Power Company
AEPSC O&M Charges by FERC Account and Allocation Factor
For the Test Year Ended September 2009

FERC Account	Allocation Factor	Direct	Allocated	Grand Total
5000 Oper Supervision & Engineering	08 Number of Electric Retail Cust		467	467
	09 Number of Employees		7,371	7,371
	17 Number of Purchase Orders		179	179
	32 Number of Vendor Invoice Pay		77	77
	39 100% to One Company	555,104		555,104
	40 Equal Share Ratio		595	595
	45 Level of Const-Production		109	109
	48 MW Generating Capability		1,247,041	1,247,041
	49 MWH's Generation		1,052	1,052
	57 Tons of Fuel Acquired		2,295	2,295
	58 Total Assets		58,538	58,538
	60 AEPSC Bill less Indir and Int		613	613
	61 Total Fixed Assets		807	807
	64 Member/Peak Load		2,070	2,070
5000 Oper Supervision & Engineering Total		555,104	1,321,214	1,876,318
5010 Fuel	39 100% to One Company	12,732		12,732
	48 MW Generating Capability		8,507	8,507
	51 Past 3 Mo MMBTU's Burned (Tot)		0	0
	58 Total Assets		762	762
	60 AEPSC Bill less Indir and Int		205	205
5010 Fuel Total		12,732	9,474	22,206
5020 Steam Expenses	39 100% to One Company	(7)		(7)
	48 MW Generating Capability		303	303
	52 Past 3 Mo MMBTU Burned (Coal)		830	830
5020 Steam Expenses Total		(7)	1,133	1,127
5050 Electric Expenses	39 100% to One Company	(0)		(0)
	48 MW Generating Capability		1	1
5050 Electric Expenses Total		(0)	1	0
5060 Misc Steam Power Expenses	08 Number of Electric Retail Cust		14	14
	09 Number of Employees		(14,533)	(14,533)
	28 Number of Trans Pole Miles		0	0
	39 100% to One Company	(92,805)		(92,805)
	40 Equal Share Ratio		3,580	3,580
	48 MW Generating Capability		42,749	42,749
	58 Total Assets		60,085	60,085
	60 AEPSC Bill less Indir and Int		65,591	65,591
64 Member/Peak Load		(44)	(44)	
5060 Misc Steam Power Expenses Total		(92,805)	157,442	64,637
5100 Maint Supv & Engineering	09 Number of Employees		416	416
	39 100% to One Company	146,536		146,536
	40 Equal Share Ratio		29,652	29,652
	48 MW Generating Capability		141,251	141,251
	58 Total Assets		1	1
5100 Maint Supv & Engineering Total		146,536	171,320	317,856
5110 Maintenance of Structures	39 100% to One Company	13,435		13,435
	48 MW Generating Capability		1,678	1,678
5110 Maintenance of Structures Total		13,435	1,678	15,113
5120 Maintenance of Boiler Plant	28 Number of Trans Pole Miles		0	0
	39 100% to One Company	533,210		533,210
	48 MW Generating Capability		12,411	12,411
5120 Maintenance of Boiler Plant Total		533,210	12,411	545,621
5130 Maintenance of Electric Plant	28 Number of Trans Pole Miles		140	140
	39 100% to One Company	198,842		198,842
	48 MW Generating Capability		5,174	5,174
5130 Maintenance of Electric Plant Total		198,842	5,314	204,156
5140 Maintenance of Misc Steam Pft	39 100% to One Company	341		341
	48 MW Generating Capability		422	422
5140 Maintenance of Misc Steam Pft Total		341	422	763
5170 Oper Supervision & Engineering	39 100% to One Company	(15)		(15)
	48 MW Generating Capability		1,383	1,383
	60 AEPSC Bill less Indir and Int		0	0
5170 Oper Supervision & Engineering Total		(15)	1,383	1,368
5180 Nuclear Fuel Expense	08 Number of Electric Retail Cust		24	24
5180 Nuclear Fuel Expense Total			24	24

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5240 Misc Nuclear Power Expenses	08 Number of Electric Retail Cust		41	41
	39 100% to One Company	(0)		(0)
	48 MW Generating Capability		909	909
	60 AEPSC Bill less Indir and Int		0	0
5240 Misc Nuclear Power Expenses Total		(0)	951	951
5280 Maint Supv & Engineering	39 100% to One Company	(8)		(8)
	48 MW Generating Capability		493	493
	60 AEPSC Bill less Indir and Int		0	0
5280 Maint Supv & Engineering Total		(8)	493	485
5300 Maint of Reactor Plant Equip	28 Number of Trans Pole Miles		0	0
	48 MW Generating Capability		0	0
5300 Maint of Reactor Plant Equip Total			0	0
5310 Maintenance of Electric Plant	39 100% to One Company	(13)		(13)
	48 MW Generating Capability		803	803
5310 Maintenance of Electric Plant Total		(13)	803	790
5350 Oper Supervision & Engineering	39 100% to One Company	(27)		(27)
	48 MW Generating Capability		1,089	1,089
5350 Oper Supervision & Engineering Total		(27)	1,089	1,063
5370 Hydraulic Expenses	28 Number of Trans Pole Miles		0	0
	39 100% to One Company	(3)		(3)
	48 MW Generating Capability		134	134
5370 Hydraulic Expenses Total		(3)	134	131
5380 Electric Expenses	48 MW Generating Capability		7	7
5380 Electric Expenses Total			7	7
5390 Misc Hydr Power Generation Exp	39 100% to One Company	(25)		(25)
	48 MW Generating Capability		568	568
5390 Misc Hydr Power Generation Exp Total		(25)	568	543
5410 Maint Supv & Engineering	48 MW Generating Capability		115	115
5410 Maint Supv & Engineering Total			115	115
5420 Maintenance of Structures	39 100% to One Company	(2)		(2)
	48 MW Generating Capability		46	46
5420 Maintenance of Structures Total		(2)	46	43
5430 Maint Rsrvoirs,Dams&Wtrways	39 100% to One Company	(1)		(1)
	48 MW Generating Capability		134	134
5430 Maint Rsrvoirs,Dams&Wtrways Total		(1)	134	132
5440 Maintenance of Electric Plant	28 Number of Trans Pole Miles		12	12
	39 100% to One Company	(5)		(5)
	48 MW Generating Capability		163	163
5440 Maintenance of Electric Plant Total		(5)	174	170
5450 Maint of Misc Hydraulic Plant	48 MW Generating Capability		21	21
5450 Maint of Misc Hydraulic Plant Total			21	21
5460 Oper Supervision & Engineering	39 100% to One Company	(1)		(1)
	48 MW Generating Capability		542	542
5460 Oper Supervision & Engineering Total		(1)	542	542
5480 Generation Expenses	48 MW Generating Capability		46	46
5480 Generation Expenses Total			46	46
5490 Misc Other Pwr Generation Exp	39 100% to One Company	(14)		(14)
	48 MW Generating Capability		327	327
5490 Misc Other Pwr Generation Exp Total		(14)	327	314
5530 Maintenance of Generating Plt	48 MW Generating Capability		50	50
5530 Maintenance of Generating Plt Total			50	50
5540 Maint of Misc Oth Pwr Gneratn	39 100% to One Company	(1)		(1)
	48 MW Generating Capability		1	1
5540 Maint of Misc Oth Pwr Gneratn Total		(1)	1	0
5550 Purchased Power	39 100% to One Company	(17)		(17)
	48 MW Generating Capability		369	369
	64 Member/Peak Load		38,397	38,397
5550 Purchased Power Total		(17)	38,767	38,749
5560 Sys Control & Load Dispatching	09 Number of Employees		40	40
	28 Number of Trans Pole Miles		858	858
	39 100% to One Company	1,118		1,118
	48 MW Generating Capability		1,039	1,039
	49 MWH's Generation		388,583	388,583
	58 Total Assets		246	246
	60 AEPSC Bill less Indir and Int		6,133	6,133
	61 Total Fixed Assets		1,256	1,256

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5560 Sys Control & Load Dispatching Total		1,118	398,155	399,273
5570 Other Expenses	09 Number of Employees		36,898	36,898
	33 Number of Workstations		1,859	1,859
	39 100% to One Company	3,663		3,663
	48 MW Generating Capability		7,050	7,050
	52 Past 3 Mo MMBTU Burned (Coal)		1,523	1,523
	58 Total Assets		66	66
	60 AEPSC Bill less Indir and Int		23,895	23,895
	61 Total Fixed Assets		14	14
	64 Member/Peak Load		2,787,059	2,787,059
5570 Other Expenses Total		3,663	2,858,365	2,862,027
5600 Oper Supervision & Engineering	08 Number of Electric Retail Cust		5	5
	09 Number of Employees		55,837	55,837
	15 Number of Non_UMWA Employees		61	61
	28 Number of Trans Pole Miles		329,971	329,971
	30 Number of Travel Transactions		479	479
	32 Number of Vendor Invoice Pay		130	130
	39 100% to One Company	19,567		19,567
	46 Level of Const-Transmission		5	5
	48 MW Generating Capability		158	158
	58 Total Assets		111,715	111,715
	60 AEPSC Bill less Indir and Int		1,921	1,921
	61 Total Fixed Assets		16,640	16,640
5600 Oper Supervision & Engineering Total		19,567	516,922	536,489
5610 Load Dispatching	09 Number of Employees		314	314
	15 Number of Non_UMWA Employees		603	603
	28 Number of Trans Pole Miles		232	232
5610 Load Dispatching Total			1,149	1,149
5611 Load Dispatch - Reliability	09 Number of Employees		8	8
	28 Number of Trans Pole Miles		11,114	11,114
	39 100% to One Company	(2)		(2)
5611 Load Dispatch - Reliability Total		(2)	11,123	11,120
5612 Load Dispatch-Mntr&Op TransSys	05 Number of CIS Customers Mail		7,773	7,773
	09 Number of Employees		50,887	50,887
	15 Number of Non_UMWA Employees		22	22
	17 Number of Purchase Orders		11	11
	28 Number of Trans Pole Miles		623,166	623,166
	39 100% to One Company	50,759		50,759
	58 Total Assets		138	138
	61 Total Fixed Assets		15,038	15,038
5612 Load Dispatch-Mntr&Op TransSys Total		50,759	697,035	747,794
5613 Load Dispatch-Trans Srvc&Sched	09 Number of Employees		492	492
	28 Number of Trans Pole Miles		1,419	1,419
	39 100% to One Company	(1)		(1)
5613 Load Dispatch-Trans Srvc&Sched Total		(1)	1,911	1,910
5615 Reliability,Plng&Stds Develop	09 Number of Employees		561	561
	28 Number of Trans Pole Miles		9,549	9,549
	39 100% to One Company	(4)		(4)
	40 Equal Share Ratio		93	93
	61 Total Fixed Assets		25,983	25,983
5615 Reliability,Plng&Stds Develop Total		(4)	36,186	36,182
5620 Station Expenses	28 Number of Trans Pole Miles		6	6
	39 100% to One Company	3,377		3,377
5620 Station Expenses Total		3,377	6	3,384
5630 Overhead Line Expenses	28 Number of Trans Pole Miles		847	847
	39 100% to One Company	(0)		(0)
5630 Overhead Line Expenses Total		(0)	847	847
5660 Misc Transmission Expenses	08 Number of Electric Retail Cust		1,013	1,013
	09 Number of Employees		16,434	16,434
	15 Number of Non_UMWA Employees		690	690
	17 Number of Purchase Orders		1	1
	28 Number of Trans Pole Miles		179,842	179,842
	39 100% to One Company	(10,385)		(10,385)
	40 Equal Share Ratio		1,655	1,655
	46 Level of Const-Transmission		314	314
	48 MW Generating Capability		0	0

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	58 Total Assets		52,944	52,944
	60 AEPSC Bill less Indir and Int		24,878	24,878
	61 Total Fixed Assets		31,151	31,151
5660 Misc Transmission Expenses Total			(10,385)	308,922
5670 Rents	28 Number of Trans Pole Miles		0	0
	39 100% to One Company		6,493	6,493
5670 Rents Total			6,493	0
5680 Maint Supv & Engineering	28 Number of Trans Pole Miles		119,186	119,186
	39 100% to One Company		(89)	(89)
	48 MW Generating Capability		3,485	3,485
5680 Maint Supv & Engineering Total			(89)	122,671
5690 Maintenance of Structures	48 MW Generating Capability		0	0
5690 Maintenance of Structures Total			0	0
5691 Maint of Computer Hardware	09 Number of Employees		230	230
	15 Number of Non_UMWA Employees		15,092	15,092
	28 Number of Trans Pole Miles		94	94
	39 100% to One Company		(2)	(2)
5691 Maint of Computer Hardware Total			(2)	15,416
5692 Maint of Computer Software	08 Number of Electric Retail Cust		5,590	5,590
	09 Number of Employees		5,449	5,449
	15 Number of Non_UMWA Employees		166,019	166,019
	28 Number of Trans Pole Miles		38,762	38,762
	39 100% to One Company		(28)	(28)
	58 Total Assets		1	1
	61 Total Fixed Assets		20	20
5692 Maint of Computer Software Total			(28)	215,841
5693 Maint of Communication Equip	09 Number of Employees		324	324
	15 Number of Non_UMWA Employees		6,510	6,510
	28 Number of Trans Pole Miles		56	56
	39 100% to One Company		(1)	(1)
5693 Maint of Communication Equip Total			(1)	6,890
5700 Maint of Station Equipment	08 Number of Electric Retail Cust		98	98
	09 Number of Employees		1,567	1,567
	28 Number of Trans Pole Miles		28,470	28,470
	39 100% to One Company		26,297	26,297
	46 Level of Const-Transmission		325	325
	58 Total Assets		296	296
	61 Total Fixed Assets		5,711	5,711
5700 Maint of Station Equipment Total			26,297	36,467
5710 Maintenance of Overhead Lines	08 Number of Electric Retail Cust		8,714	8,714
	09 Number of Employees		135	135
	28 Number of Trans Pole Miles		13,773	13,773
	39 100% to One Company		16,981	16,981
	58 Total Assets		341	341
5710 Maintenance of Overhead Lines Total			16,981	22,963
5720 Maint of Underground Lines	28 Number of Trans Pole Miles		0	0
	39 100% to One Company		110	110
5720 Maint of Underground Lines Total			110	0
5730 Maint of Misc Trnsmssion Plt	28 Number of Trans Pole Miles		206	206
5730 Maint of Misc Trnsmssion Plt Total			206	206
5800 Oper Supervision & Engineering	08 Number of Electric Retail Cust		270,253	270,253
	09 Number of Employees		26,781	26,781
	12 Number of Help Desk Calls		1,733	1,733
	15 Number of Non_UMWA Employees		11,519	11,519
	16 Number of Phone Center Calls		6	6
	17 Number of Purchase Orders		(204)	(204)
	28 Number of Trans Pole Miles		5,924	5,924
	30 Number of Travel Transactions		24	24
	31 Number of Vehicles		27	27
	32 Number of Vendor Invoice Pay		80	80
	39 100% to One Company		253,832	253,832
	44 Level of Const-Distribution		8,684	8,684
	48 MW Generating Capability		729	729
	58 Total Assets		18,359	18,359
	60 AEPSC Bill less Indir and Int		1,986	1,986
	61 Total Fixed Assets		10,246	10,246

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5800 Oper Supervision & Engineering Total		253,832	356,145	609,977
5810 Load Dispatching	08 Number of Electric Retail Cust		3,838	3,838
	15 Number of Non_UMWA Employees		138	138
	28 Number of Trans Pole Miles		60	60
	39 100% to One Company	0		0
5810 Load Dispatching Total		0	4,036	4,036
5820 Station Expenses	28 Number of Trans Pole Miles		209	209
	39 100% to One Company	(2)		(2)
	46 Level of Const-Transmission		3,591	3,591
5820 Station Expenses Total		(2)	3,800	3,797
5830 Overhead Line Expenses	08 Number of Electric Retail Cust		26	26
	60 AEPSC Bill less Indir and Int		0	0
5830 Overhead Line Expenses Total			26	26
5840 Underground Line Expenses	08 Number of Electric Retail Cust		2,697	2,697
	39 100% to One Company	(1)		(1)
	44 Level of Const-Distribution		3,042	3,042
5840 Underground Line Expenses Total		(1)	5,738	5,738
5860 Meter Expenses	05 Number of CIS Customers Mail		687	687
	08 Number of Electric Retail Cust		56,905	56,905
	09 Number of Employees		22,512	22,512
	15 Number of Non_UMWA Employees		46	46
	17 Number of Purchase Orders		3	3
	26 Number of Stores Transactions		3,309	3,309
	28 Number of Trans Pole Miles		7,515	7,515
	39 100% to One Company	34,525		34,525
	44 Level of Const-Distribution		8	8
	46 Level of Const-Transmission		3,072	3,072
	48 MW Generating Capability		590	590
	58 Total Assets		3,331	3,331
	60 AEPSC Bill less Indir and Int		348	348
	70 No Nonelectric OAR Invoices		(18)	(18)
5860 Meter Expenses Total		34,525	98,307	132,832
5870 Customer Installations Exp	09 Number of Employees		90	90
5870 Customer Installations Exp Total			90	90
5880 Miscellaneous Distribution Exp	08 Number of Electric Retail Cust		312,229	312,229
	09 Number of Employees		34,271	34,271
	12 Number of Help Desk Calls		6,569	6,569
	15 Number of Non_UMWA Employees		2,722	2,722
	16 Number of Phone Center Calls		6,695	6,695
	17 Number of Purchase Orders		13,422	13,422
	28 Number of Trans Pole Miles		8,756	8,756
	30 Number of Travel Transactions		62	62
	31 Number of Vehicles		96	96
	32 Number of Vendor Invoice Pay		1,139	1,139
	33 Number of Workstations		8	8
	39 100% to One Company	220,351		220,351
	44 Level of Const-Distribution		5,242	5,242
	48 MW Generating Capability		4	4
	58 Total Assets		84,486	84,486
	60 AEPSC Bill less Indir and Int		51,614	51,614
	61 Total Fixed Assets		26	26
5880 Miscellaneous Distribution Exp Total		220,351	527,339	747,690
5890 Rents	08 Number of Electric Retail Cust		19	19
	39 100% to One Company	185		185
5890 Rents Total		185	19	204
5900 Maint Supv & Engineering	08 Number of Electric Retail Cust		242	242
	39 100% to One Company	3,917		3,917
	44 Level of Const-Distribution		81	81
	60 AEPSC Bill less Indir and Int		181	181
5900 Maint Supv & Engineering Total		3,917	504	4,421
5910 Maintenance of Structures	28 Number of Trans Pole Miles		0	0
5910 Maintenance of Structures Total			0	0
5920 Maint of Station Equipment	28 Number of Trans Pole Miles		851	851
	39 100% to One Company	9,858		9,858
	46 Level of Const-Transmission		48,077	48,077
	48 MW Generating Capability		0	0

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5920 Maint of Station Equipment Total		9,858	48,928	58,786
5930 Maintenance of Overhead Lines	08 Number of Electric Retail Cust		12,179	12,179
	09 Number of Employees		1,297	1,297
	28 Number of Trans Pole Miles		0	0
	39 100% to One Company	108,550		108,550
	58 Total Assets		70	70
	60 AEPSC Bill less Indir and Int		0	0
5930 Maintenance of Overhead Lines Total		108,550	13,547	122,097
5940 Maint of Underground Lines	08 Number of Electric Retail Cust		8	8
5940 Maint of Underground Lines Total			8	8
5950 Maint of Lne Trnf,Rglators&Dvi	08 Number of Electric Retail Cust		484	484
	28 Number of Trans Pole Miles		12	12
	39 100% to One Company	(0)		(0)
5950 Maint of Lne Trnf,Rglators&Dvi Total		(0)	496	496
5960 Maint of Strt Lghtng & Sgnal S	08 Number of Electric Retail Cust		1	1
5960 Maint of Strt Lghtng & Sgnal S Total			1	1
5970 Maintenance of Meters	08 Number of Electric Retail Cust		23	23
	28 Number of Trans Pole Miles		33	33
	39 100% to One Company	(0)		(0)
	60 AEPSC Bill less Indir and Int		(0)	(0)
5970 Maintenance of Meters Total		(0)	56	56
5980 Maint of Misc Distribution Pit	08 Number of Electric Retail Cust		33	33
5980 Maint of Misc Distribution Pit Total			33	33
9010 Supervision - Customer Accts	05 Number of CIS Customers Mail		10,898	10,898
	08 Number of Electric Retail Cust		121,869	121,869
	09 Number of Employees		5,842	5,842
	12 Number of Help Desk Calls		1,892	1,892
	16 Number of Phone Center Calls		194	194
	17 Number of Purchase Orders		3	3
	39 100% to One Company	(10)		(10)
	58 Total Assets		2,307	2,307
	60 AEPSC Bill less Indir and Int		179	179
	61 Total Fixed Assets		4,262	4,262
9010 Supervision - Customer Accts Total		(10)	147,445	147,436
9020 Meter Reading Expenses	05 Number of CIS Customers Mail		17,729	17,729
	08 Number of Electric Retail Cust		51,627	51,627
	09 Number of Employees		1,340	1,340
	12 Number of Help Desk Calls		1,063	1,063
	15 Number of Non_UMWA Employees		55	55
	39 100% to One Company	(8)		(8)
	58 Total Assets		977	977
	60 AEPSC Bill less Indir and Int		14	14
	70 No Nonelectric OAR Invoices		269	269
9020 Meter Reading Expenses Total		(8)	73,074	73,066
9030 Cust Records & Collection Exp	05 Number of CIS Customers Mail		906,150	906,150
	08 Number of Electric Retail Cust		1,001,836	1,001,836
	09 Number of Employees		143,980	143,980
	12 Number of Help Desk Calls		29,335	29,335
	15 Number of Non_UMWA Employees		17	17
	16 Number of Phone Center Calls		775,816	775,816
	17 Number of Purchase Orders		28	28
	20 Number of Remittance Items		203,627	203,627
	28 Number of Trans Pole Miles		14	14
	33 Number of Workstations		4	4
	39 100% to One Company	1,841,438		1,841,438
	58 Total Assets		1,691	1,691
	60 AEPSC Bill less Indir and Int		2,434	2,434
	61 Total Fixed Assets		1	1
	63 Total Gross Utility Plant		74	74
	70 No Nonelectric OAR Invoices		35,042	35,042
9030 Cust Records & Collection Exp Total		1,841,438	3,100,050	4,941,488
9040 Uncollectible Accounts	58 Total Assets		1	1
9040 Uncollectible Accounts Total			1	1
9050 Misc Customer Accounts Exp	05 Number of CIS Customers Mail		13	13
	08 Number of Electric Retail Cust		1,149	1,149
	09 Number of Employees		190	190

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	20 Number of Remittance Items		21	21
	39 100% to One Company	62		62
	48 MW Generating Capability		0	0
	58 Total Assets		88	88
9050 Misc Customer Accounts Exp Total		62	1,461	1,523
9070 Supervision - Customer Service	08 Number of Electric Retail Cust		116,690	116,690
	09 Number of Employees		16,388	16,388
	12 Number of Help Desk Calls		1,382	1,382
	16 Number of Phone Center Calls		2,849	2,849
	39 100% to One Company	9,619		9,619
	58 Total Assets		561	561
	60 AEPSC Bill less Indir and Int		0	0
	61 Total Fixed Assets		1,287	1,287
9070 Supervision - Customer Service Total		9,619	139,158	148,776
9080 Customer Assistance Expenses	08 Number of Electric Retail Cust		27,978	27,978
	09 Number of Employees		642	642
	16 Number of Phone Center Calls		6,541	6,541
	32 Number of Vendor Invoice Pay		183	183
	39 100% to One Company	(4)		(4)
9080 Customer Assistance Expenses Total		(4)	35,344	35,340
9100 Misc Cust Svc&Informational Ex	39 100% to One Company	(1)		(1)
	48 MW Generating Capability		2	2
	58 Total Assets		23	23
9100 Misc Cust Svc&Informational Ex Total		(1)	25	24
9130 Advertising Expenses	09 Number of Employees		77	77
9130 Advertising Expenses Total			77	77
9200 Administrative & Gen Salaries	05 Number of CIS Customers Mail		7,728	7,728
	08 Number of Electric Retail Cust		230,614	230,614
	09 Number of Employees		355,912	355,912
	11 Number of GL Transactions		433,207	433,207
	12 Number of Help Desk Calls		1,764	1,764
	15 Number of Non_UMWA Employees		8,440	8,440
	16 Number of Phone Center Calls		406	406
	17 Number of Purchase Orders		19,813	19,813
	20 Number of Remittance Items		18	18
	26 Number of Stores Transactions		9,988	9,988
	28 Number of Trans Pole Miles		86,287	86,287
	30 Number of Travel Transactions		9	9
	32 Number of Vendor Invoice Pay		82,064	82,064
	33 Number of Workstations		105	105
	39 100% to One Company	670,792		670,792
	40 Equal Share Ratio		50,131	50,131
	44 Level of Const-Distribution		23	23
	46 Level of Const-Transmission		(29)	(29)
	48 MW Generating Capability		158,498	158,498
	51 Past 3 Mo MMBTU's Burned (Tot)		28,368	28,368
	55 Past 3 MMBTU Burned (Solid)		20	20
	58 Total Assets		2,280,002	2,280,002
	60 AEPSC Bill less Indir and Int		(261,725)	(261,725)
	61 Total Fixed Assets		359,341	359,341
	63 Total Gross Utility Plant		4,205	4,205
	64 Member/Peak Load		93,652	93,652
	66 Number of Forest Acres		2,627	2,627
	67 Number of Banking Transactions		38,332	38,332
	70 No Nonelectric OAR Invoices		16,200	16,200
9200 Administrative & Gen Salaries Total		670,792	4,006,001	4,676,794
9210 Office Supplies and Expenses	05 Number of CIS Customers Mail		1,185	1,185
	08 Number of Electric Retail Cust		13,346	13,346
	09 Number of Employees		103,595	103,595
	11 Number of GL Transactions		2,341	2,341
	12 Number of Help Desk Calls		18	18
	15 Number of Non_UMWA Employees		1,274	1,274
	16 Number of Phone Center Calls		(0)	(0)
	17 Number of Purchase Orders		4,496	4,496
	20 Number of Remittance Items		0	0
	26 Number of Stores Transactions		(166)	(166)

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	28 Number of Trans Pole Miles		5,751	5,751
	30 Number of Travel Transactions		0	0
	32 Number of Vendor Invoice Pay		(11,316)	(11,316)
	33 Number of Workstations		0	0
	39 100% to One Company	30,351		30,351
	40 Equal Share Ratio		14	14
	46 Level of Const-Transmission		0	0
	48 MW Generating Capability		20,637	20,637
	51 Past 3 Mo MMBTU's Burned (Tot)		35	35
	55 Past 3 MMBTU Burned (Solid)		13	13
	58 Total Assets		305,169	305,169
	60 AEPSC Bill less Indir and Int		225	225
	61 Total Fixed Assets		5,906	5,906
	63 Total Gross Utility Plant		308	308
	64 Member/Peak Load		231	231
	66 Number of Forest Acres		212	212
	67 Number of Banking Transactions		922	922
	70 No Nonelectric OAR Invoices		304	304
9210 Office Supplies and Expenses Total			30,351	454,502
9220 Administrative Exp Trnsf - Cr	09 Number of Employees		8	8
	63 Total Gross Utility Plant		81	81
9220 Administrative Exp Trnsf - Cr Total			90	90
9230 Outside Services Employed	05 Number of CIS Customers Mail		5,825	5,825
	08 Number of Electric Retail Cust		332,126	332,126
	09 Number of Employees		385,367	385,367
	11 Number of GL Transactions		7,573	7,573
	15 Number of Non_UMWA Employees		11,386	11,386
	26 Number of Stores Transactions		108,932	108,932
	28 Number of Trans Pole Miles		93,349	93,349
	32 Number of Vendor Invoice Pay		13,903	13,903
	33 Number of Workstations		2,133	2,133
	37 AEPSC Past 3 Months Total Bill		624,428	624,428
	39 100% to One Company	2,005,968		2,005,968
	43 KWH Sales		1,169	1,169
	46 Level of Const-Transmission		5,263	5,263
	48 MW Generating Capability		122,095	122,095
	49 MWH's Generation		5,606	5,606
	51 Past 3 Mo MMBTU's Burned (Tot)		26,730	26,730
	55 Past 3 MMBTU Burned (Solid)		396	396
	57 Tons of Fuel Acquired		2,213	2,213
	58 Total Assets		362,681	362,681
	60 AEPSC Bill less Indir and Int		805	805
	61 Total Fixed Assets		34,613	34,613
	63 Total Gross Utility Plant		110	110
	64 Member/Peak Load		235,022	235,022
	66 Number of Forest Acres		1,504	1,504
	67 Number of Banking Transactions		9,306	9,306
	70 No Nonelectric OAR Invoices		4,787	4,787
9230 Outside Services Employed Total			2,005,968	2,397,322
9240 Property Insurance	39 100% to One Company		13	13
	60 AEPSC Bill less Indir and Int		70	70
9240 Property Insurance Total			13	70
9250 Injuries and Damages	09 Number of Employees		4,004	4,004
	39 100% to One Company	11		11
	60 AEPSC Bill less Indir and Int		213	213
	61 Total Fixed Assets		0	0
9250 Injuries and Damages Total			11	4,217
9260 Employee Pensions & Benefits	09 Number of Employees		14,288	14,288
	28 Number of Trans Pole Miles		0	0
	32 Number of Vendor Invoice Pay		(73)	(73)
	39 100% to One Company	48		48
	48 MW Generating Capability		0	0
	58 Total Assets		(332)	(332)
	60 AEPSC Bill less Indir and Int		480	480
9260 Employee Pensions & Benefits Total			48	14,363
9280 Regulatory Commission Exp	08 Number of Electric Retail Cust		41	41

Kentucky Power Company
 AEPSC O&M Charges by FERC Account and Allocation Factor
 For the Test Year Ended September 2009

	28 Number of Trans Pole Miles		3	3
	39 100% to One Company	287		287
	60 AEPSC Bill less Indir and Int		758	758
9280 Regulatory Commission Exp Total		287	802	1,088
9301 General Advertising Expenses	08 Number of Electric Retail Cust		36,904	36,904
	09 Number of Employees		3	3
	39 100% to One Company	(2)		(2)
	58 Total Assets		1,912	1,912
9301 General Advertising Expenses Total		(2)	38,819	38,817
9302 Misc General Expenses	06 Number of Commercial Customers		8,952	8,952
	08 Number of Electric Retail Cust		7,965	7,965
	09 Number of Employees		6,233	6,233
	20 Number of Remittance Items		2	2
	28 Number of Trans Pole Miles		4,692	4,692
	39 100% to One Company	60,588		60,588
	48 MW Generating Capability		233	233
	58 Total Assets		67,454	67,454
	60 AEPSC Bill less Indir and Int		95	95
	61 Total Fixed Assets		6	6
	67 Number of Banking Transactions		128	128
	70 No Nonelectric OAR Invoices		1,481	1,481
9302 Misc General Expenses Total		60,588	97,239	157,826
9310 Rents	08 Number of Electric Retail Cust		291	291
	09 Number of Employees		533	533
	15 Number of Non_UMWA Employees		43	43
	16 Number of Phone Center Calls		29	29
	28 Number of Trans Pole Miles		234	234
	39 100% to One Company	2,079		2,079
	48 MW Generating Capability		54	54
	58 Total Assets		12	12
9310 Rents Total		2,079	1,196	3,275
9350 Maintenance of General Plant	08 Number of Electric Retail Cust		3,976	3,976
	09 Number of Employees		2,117	2,117
	15 Number of Non_UMWA Employees		194	194
	28 Number of Trans Pole Miles		143	143
	39 100% to One Company	11,707		11,707
	48 MW Generating Capability		3	3
	58 Total Assets		2,689	2,689
	60 AEPSC Bill less Indir and Int		150	150
9350 Maintenance of General Plant Total		11,707	9,273	20,980
Grand Total		\$6,749,261	\$18,556,757	\$25,306,017

Kentucky Power Company
Affiliate Billing Methods
American Electric Power Service Corporation - Allocation Factor Definitions
For the Test Year Ended September 30, 2009

Allocation Factor Number	Title	Calculation Description	Update Frequency
3	Number of Cell Phones / Pagers	$\frac{\text{Number of Cell Phones / Pagers Per Company}}{\text{Total Number of Cell Phones / Pagers}}$	Quarterly
5	Number of CIS Customer Mailings	$\frac{\text{Number of Customer Information System (CIS) Customer Mailings Per Company}}{\text{Total Number of CIS Customers Mailings}}$	Monthly
6	Number of Commercial Customers	$\frac{\text{Number of Commercial Customers Per Company}}{\text{Total Number of Commercial Customers}}$	Annually
8	Number of Electric Retail Customers	$\frac{\text{Number of Electric Retail Customers Per Company}}{\text{Total Number of Electric Retail Customers}}$	Annually
9	Number of Employees	$\frac{\text{Number of Full-Time and Part-Time Employees Per Company}}{\text{Total Number of Full-Time and Part-Time Employees}}$	Quarterly
11	Number of General Ledger (GL) Transactions	$\frac{\text{Number of General Ledger (GL) Transactions Per Company}}{\text{Total Number of GL Transactions}}$	Monthly
12	Number of Help Desk Calls	$\frac{\text{Number of Help Desk Calls Per Company}}{\text{Total Number of Help Desk Calls}}$	Monthly
13	Number of Industrial Customers	$\frac{\text{Number of Industrial Customers Per Company}}{\text{Total Number of Industrial Customers}}$	Annually
15	Number of Non-United Mine Workers of America (UMWA) Employees	$\frac{\text{Number of Non-UMWA or All Non-Union Employees Per Company}}{\text{Total Number of Non-UMWA or All Non-Union Employees}}$	Quarterly
16	Number of Phone Center Calls	$\frac{\text{Number of Phone Calls Per Phone Center Per Company}}{\text{Total Number of Phone Center Phone Calls}}$	Monthly
17	Number of Purchase Orders Written	$\frac{\text{Number of Purchase Orders Written Per Company}}{\text{Total Number of Purchase Orders Written}}$	Monthly
18	Number of Radios (Base/Mobile/Handheld)	$\frac{\text{Number of Radios (Base/Mobile/Handheld) Per Company}}{\text{Total Number of Radios (Base/Mobile/Handheld)}}$	Semi-Annually
19	Number of Railcars	$\frac{\text{Number of Railcars Per Company}}{\text{Total Number of Railcars}}$	Annually
20	Number of Remittance Items	$\frac{\text{Number of Electric Bill Payments Processed Per Company Per Month (non-lock box)}}{\text{Total Number of Electric Bill Payments Processed Per Month (non-lock box)}}$	Monthly
21	Number of Remote Terminal Units	$\frac{\text{Number of Remote Terminal Units Per Company}}{\text{Total Number of Remote Terminal Units}}$	Annually
23	Number of Residential Customers	$\frac{\text{Number of Residential Customers Per Company}}{\text{Total Number of Residential Customers}}$	Annually
26	Number of Stores Transactions	$\frac{\text{Number of Stores Transactions Per Company}}{\text{Total Number of Stores Transactions}}$	Monthly
27	Number of Telephones	$\frac{\text{Number of Telephones Per Company (includes all phone lines)}}{\text{Total Number of Telephones (includes all phone lines)}}$	Semi-Annually
28	Number of Transmission Pole Miles	$\frac{\text{Number of Transmission Pole Miles Per Company}}{\text{Total Number of Transmission Pole Miles}}$	Annually
30	Number of Travel Transactions	$\frac{\text{Number of Travel Transactions Per Company Per Month}}{\text{Total Number of Travel Transactions Per Month}}$	Monthly
31	Number of Vehicles	$\frac{\text{Number of Vehicles Per Company (includes fleet and pool cars)}}{\text{Total Number of Vehicles Per Company (includes fleet and pool cars)}}$	Annually
32	Number of Vendor Invoice Payments	$\frac{\text{Number of Vendor Invoice Payments Per Company Per Month}}{\text{Total Number of Vendor Invoice Payments Per Month}}$	Monthly

**Kentucky Power Company
 Affiliate Billing Methods
 American Electric Power Service Corporation - Allocation Factor Definitions
 For the Test Year Ended September 30, 2009**

Allocation Factor Number	Title	Calculation Description	Update Frequency
33	Number of Workstations	<u>Number of Workstations (PCs) Per Company</u> Total Number of Workstations (PCs)	Quarterly
34	Active Owned or Leased Communication Channels	<u>Number of Active Owned/Leased Communication Channels Per Company</u> Total Number of Active Owned/Leased Communication Channels	Annually
35	Avg Peak Load for Past Three Years	<u>Average Peak Load For Past Three Years Per Company</u> Total of Average Peak Load For Past Three Years	Annually
37	AEPSC Past 3 Months Total Bill Dollars	<u>AEPSC Past Three Months Total Bill Dollars Per Company</u> Total AEPSC Past Three Months Bill Dollars	Monthly
38	AEPSC Prior Month Total Bill Dollars	<u>AEPSC Prior Month Total Bill Dollars Per Company</u> AEPSC Total Prior Month Bill Dollars	Monthly
39	Direct	100% to One Company	Monthly
40	Equal Share Ratio	<u>One (1)</u> Total Number of Companies	Monthly
43	KWH Sales	<u>KWH Sales Per Company</u> Total KWH Sales	Annually
44	Level of Construction - Distribution	Construction Expenditures for All Distribution Plant Accounts Except Land and Land Rights, Services, Meters, and Leased Property on Customers' Premises, and Exclusive of Construction Expenditures Accumulated on Direct Work Orders for Which Charges by AEPSC are Being Made Separately, Per Company During the Last Twelve Months Total of the Same for All Companies	Semi-Annually
45	Level of Construction - Production	Construction Expenditures for All Production Plant Accounts Except Land and Land Rights, Nuclear Accounts, and Exclusive of Construction Expenditures accumulated on Direct Work Orders Which Charges by AEPSC are Being Made Separately, Per Company During the Last Twelve Months Total of the Same for All Companies	Semi-Annually
46	Level of Construction - Transmission	Construction Expenditures for All Transmission Plant Accounts Except Land and Land Rights and Exclusive of Construction Expenditures Accumulated on Direct Work Orders for Which Charges by AEPSC are Being Made Separately, Per Company During the Last Twelve Months Total of the Same for All Companies	Semi-Annually
48	MW Generating Capability	<u>MW Generating Capability Per Company</u> Total MW Generating Capability	Annually
49	MWH's Generated	<u>Number of MWH's Generated Per Company</u> Total Number of MWH's Generated	Semi-Annually
51	Past 3 Mo. MMBTU's Burned (All Fuel Types)	<u>Past Three Months MMBTU's Burned Per Company (All Fuel Types)</u> Total Past Three Months MMBTU's Burned (All Fuel Types)	Quarterly
52	Past 3 Mo. MMBTU's Burned (Coal Only)	<u>Past Three Months MMBTU's Burned Per Company (Coal Only)</u> Total Past Three Months MMBTU's Burned (Coal Only)	Quarterly
53	Past 3 Mo. MMBTU's Burned (Gas Type Only)	<u>Past Three Months MMBTU's Burned Per Company (Gas Type Only)</u> Total Past Three Months MMBTU's Burned (Gas Type Only)	Quarterly
54	Past 3 Mo. MMBTU's Burned (Oil Type Only)	<u>Past Three Months MMBTU's Burned Per Company (Oil Type Only)</u> Total Past Three Months MMBTU's Burned (Oil Type Only)	Quarterly
55	Past 3 mo. MMBTU's Burned (Solid Fuels Only)	<u>Past Three Months MMBTU's Burned Per Company (Solid Fuels Only)</u> Total Past Three Months MMBTU's Burned (Solid Fuels Only)	Quarterly

Kentucky Power Company
Affiliate Billing Methods
American Electric Power Service Corporation - Allocation Factor Definitions
For the Test Year Ended September 30, 2009

Allocation Factor Number	Title	Calculation Description	Update Frequency
56	Peak Load/Avg # Cust/KWH Sales Combination	<u>Average of Peak Load, # of Retail Customers, and KWH Sales to Retail Customers Per Company</u> Total of Average of Peak Load, # of Retail Customers, and KWH Sales to Retail Customers	Annually
57	Tons of Fuel Acquired	<u>Number of Tons of Fuel Acquired Per Company</u> Total Tons of Fuel Acquired	Semi-Annually
58	Total Assets	<u>Total Assets Amount Per Company</u> Total Assets Amount	Quarterly
59	Total Assets Less Nuclear Plant	<u>Total Assets Amount Less Nuclear Assets Per Company</u> Total Assets Amount Less Nuclear Assets	Quarterly
60	Total AEPSC Bill Dollars Less Interest and/or Income Taxes and/or other indirect costs	<u>Total AEPSC Bill Dollars Less Interest and/or Income Taxes and/or Other Indirect Costs Per Company</u> Total AEPSC Bill Dollars Less Interest and/or Income Taxes and/or Other Indirect Costs	Annually
61	Total Fixed Assets	<u>Total Fixed Assets Amount Per Company</u> Total Fixed Assets Amount	Quarterly
63	Total Gross Utility Plant (Including CWIP)	<u>Total Gross Utility Plant Amount Per Company (Including CWIP)</u> Total Gross Revenue Last Twelve Months (Including CWIP)	Quarterly
64	Total Peak Load (Prior Year)	<u>Total Peak Load for Prior Year Per Company</u> Total Peak Load for Prior Year	Annually
65	Hydro MW Generating Capability	<u>Hydro MW Generating Capability Per Company</u> Total Hydro MW Generating Capability	Annually
66	Number of Forest Acres	<u>Number of Forest Acres Per Company</u> Total Number of Forest Acres	Annually
67	Number of Banking Transactions	<u>Number of Banking Transactions Per Company</u> Total Number of Banking Transactions	Quarterly
70	Number of Nonelectric Other Accounts Receivable (OAR) Invoices	<u>Number of Nonelectric OAR Invoices Per Company</u> Total Number of Nonelectric OAR Invoices	Semi-Annually
71	Number of Transformer Transactions	<u>Number of Transformer Transactions Per Company</u> Total Number of Transformer Transactions	Quarterly
72	Tons of Flue Gas Desulfurization (FGD) Material	<u>Tons of FGD Material Per Company</u> Total Tons of FGD Material	Semi-Annually
73	Tons of Limestone Received	<u>Tons of Limestone Received Per Company</u> Total Tons of Limestone Received	Semi-Annually
77	Daily Power Transactions (All Markets)	<u>Number of Daily Power Transactions per Company</u> Total Daily Power Transactions (All Markets)	Monthly
78	Daily Power Transactions (ERCOT Markets)	<u>Number of Daily Power Transactions per Company</u> Total Daily Power Transactions (ERCOT Markets)	Monthly
79	Daily Gas Transactions (All Markets)	<u>Number of Daily Gas Transactions per Company</u> Total Daily Gas Transactions (All Markets)	Monthly
80	Daily Gas Transactions (ERCOT Markets)	<u>Number of Daily Gas Transactions per Company</u> Total Daily Gas Transactions (ERCOT Markets)	Monthly

Kentucky Power Company

REQUEST

Provide any information, when known, that would have a material effect on net operating income, rate base, or cost of capital that have occurred after the test year but were not incorporated in the filed testimony and exhibits.

RESPONSE

Normalize Storm Expense:

During December 2009, Kentucky Power Company (KPCo or Company) experienced two Major Event Day storms. Below are descriptions and the estimated costs of each storm.

(1) On December 8, 2009 a strong cold front, accompanied with severe rain and high winds moved across Kentucky Power Company's service area, causing numerous scattered outages. Approximately 17,000 customers were interrupted during the peak of the storm, when winds were recorded at 55 mph in Jackson, KY. The powerful storm caused extensive damage to power lines, utility poles, and other electrical facilities.

KPCo used the following resources to restore service to the customers:

- One hundred-eighty-five (185) Kentucky Power employees (consisting of 88 Distribution Line, 97 Assessors and various Support Personnel)
- Two hundred thirty-one (231) in-house contract personnel (consisting of 66 contract Line and 165 contract Tree personnel)
- One hundred forty six (146) outside contract line employees as far away as Arkansas,
- Eighteen (18) contract traffic control personnel, and
- Four (4) contract environmental employees

A total of 584 employees worked long, difficult hours to restore electric service to customers in a safe manner.

All KPCo customers were restored by 6:31 p.m., December 11, 2009.

Preliminary reports indicate that 31 broken poles, thirteen broken cross arms, one hundred twenty three spans of wire, nineteen distribution transformers, two step down transformers and numerous line fuses were replaced within KPCo's service territory during the course of the storm

restoration effort. The Company's estimated incremental operational and maintenance costs for this storm restoration effort as of December 31, 2009 is \$820,738.

(2) On December 18, 2009 starting approximately at 6:00 p.m., KPCo's service territory experienced a strong winter storm packing rain and wet heavy snow leading to power outages for approximately 79,725 customers during the storm's peak. The powerful storm caused extensive damage to power lines, utility poles, and other electrical facilities throughout KPCo's entire service territory. Many lines that had taken KPCo years to build were severely damaged in a matter of hours.

The last KPCo customer was restored by 8:00 p.m., December 29, 2009.

KPCo used the following resources to restore service to the customers:

Two hundred forty-five (245) Kentucky Power employees (consisting of 98 Distribution Line, 147 Assessors, Dispatchers, and various Support Personnel),
Two hundred eighty eight (288) in-house contractors (consisting of 64 contract Line, 224 contract Tree personnel),
Nine hundred seventy nine (979) from other AEP companies & outside contract employees (consisting of 671 other AEP Line & contract Line employees, 123 outside contract Tree personnel, 185 other AEP & outside Assessors and Support personnel).

A total of 1,512 employees worked long, difficult hours to restore electric service to customers in a safe manner. In addition to Company and contractor transportation vehicles used during the restoration efforts, a helicopter was also used to patrol various inaccessible distribution facilities. Also, forty (40) other outside contract personnel were utilized for traffic control, spill cleanup and the operation of heavy equipment.

A preliminary report indicates that 204 broken poles, 385 broken cross arms, 153 transformers, and over 4,073 spans of wire were replaced within KPCo's service territory during the course of the storm restoration effort. An additional 12 poles were installed to relocate an inaccessible line section which contained damaged facilities.

The Company's preliminary estimated incremental operation and maintenance costs for this storm restoration effort is \$13,228,090.

Attached to this response is the Revised Section V, Workpaper S-4, Page 15 which demonstrates the effect these Major Event Day storm costs have on the Company's rate filing.

Normalize AEP Pool Capacity Payments:

On April 9, 2003 the Federal Energy Regulatory Commission (FERC) issued Order No. 631 establishing uniform accounting and financial reporting for the recognition and measurement of assets and liabilities arising from retirement and decommissioning obligations of tangible long-

lived assets, and related costs. These are commonly referred to Asset Retirement Obligations (AROs). As part of this Order, new primary Electric Plant Accounts were established for AROs that included 317 (Steam Production), 326 (Nuclear Production), and 347 (Other Production). The capacity settlement included these accounts beginning with January 2004 Settlement. These ARO accounts have been included in the capacity settlement up to and including 2009.

After a review of the AEP Pool Agreement and more specifically Section 6.211 which states, "The total installed cost of production plant used in the determination of the MEMBER WEIGHTED AVERAGE INVESTMENT COST, as described above, shall be the total cost of such plant for the aforesaid generating stations included, as of the end of the next preceding year, in Accounts 310 to 316, inclusive, Accounts 320 to 325, inclusive and Accounts 340 to 346, inclusive, of Uniform System of Accounts prescribed by the Federal Energy Regulatory Commission for Public Utilities and Licensees, as in effect on January 1, 1975," the AEP Pool Committee in January 2010, approved the removal of the Asset Retirement Obligation (ARO) from the level of investment used in the calculation of the pool capacity rate. This reduced the level of investment of the surplus companies by \$210,436,010 for I&M and \$31,482,741 for OPCo. This in turn reduced KPSC's annual pool capacity payments by \$566,775 (attached to this response is the Revised Section V, Workpaper S-4, Page 9; and the Revised Exhibits EKW-15 and EKW-16).

WITNESS: Errol K Wagner/ Ranie K Wohnas

Kentucky Power Company
Normalization of Major Storms Adjustment
Test Year Twelve Months Ended 9/30/2009

Section V
Workpaper S-4
Page 15
Revised Jan 20 2009

Ln No (1)	Description (2)	Storm Damage Expense Excl. In-House Labor (3)	Constant Dollar Index ^{1/} (4)	Expense in 2009 Dollars (5)
1	12 ME September 30, 2009	\$2,116,867	1.00	\$2,116,867
2	December 8, 2009 Wind Storm	\$820,738	1.00	\$820,738 *
3	December 18, 2009 Snow Storm	\$13,228,090	1.00	\$13,228,090 *
4	12 ME September 30, 2008	\$51,497	1.03	\$53,042
5	12 ME September 30, 2007	\$461,822	1.18	<u>\$544,950</u>
6	Three Year Total Storm Damage			<u>\$16,763,687</u>
7	Three Year Average (Ln 4/ Ln 3)			\$5,587,896
8	Test Year Storm Damage Expense			<u>\$2,116,867</u>
9	Adjustment to O&M for Storm Damage Normalization			\$3,471,029
10	Allocation Factor - GP-TOT			<u>0.991</u>
11	KPSC Jurisdictional Amount (Ln 7 X Ln 8)			<u>\$3,439,790</u>

* December 31, 2009 Estimate

^{1/} Handy-Whittman Contract Labor Index
 Reference E-2 Line 42
 January, 2009 535
 January, 2008 518
 January, 2007 453

Witness: R. K. Wohnhas

Kentucky Power Company
AEP Pool Capacity Payments
 Test Year Twelve Months Ended 9/30/2009

Section V
Workpaper S-4
Page 9
 Revised Jan 20, 2010

Ln No (1)	Month (2)	Year (3)	Actual AEP Pool Capacity Payments (4)	Effect of Change in Sept. 2009 MLR ^{1/} (5)	Effect of the return of CPL 250 MW ^{2/} (6)	Adjustment to Reflect the Sept. 30 ,2009 Surplus Cos Invest. ^{3/} (7)	AEP Pool Capacity Costs Test Year Adjusted (Col 8 = Cols 4,5, 6, 7)
1	October	2008	\$4,793,805	\$42,683	\$266,065	\$556,422	\$5,658,975
2	November	2008	\$4,751,761	\$42,683	\$266,065	\$556,422	\$5,616,931
3	December	2008	\$5,276,715	\$42,683	\$266,065	\$556,422	\$6,141,885
4	January	2009	\$5,164,497	\$42,683	\$266,065	\$337,977	\$5,811,222
5	February	2009	\$4,496,431	\$42,683	\$266,065	\$337,977	\$5,143,156
6	March	2009	\$4,476,614	\$42,683	\$266,065	\$337,977	\$5,123,339
7	April	2009	\$4,478,997	\$42,683	\$266,065	\$337,977	\$5,125,722
8	May	2009	\$4,702,227	\$42,683	\$266,065	\$337,977	\$5,348,952
9	June	2009	\$4,480,173	\$42,683	\$266,065	\$337,977	\$5,126,898
10	July	2009	\$4,740,041	\$42,683	\$266,065	\$337,977	\$5,386,766
11	August	2009	\$4,917,888	\$42,683	\$266,065	\$337,977	\$5,564,613
12	September	2009	\$4,798,246	\$42,683	\$266,065	\$337,977	\$5,444,971
13	Sub-total		<u>\$57,077,395</u>	<u>\$512,196</u>	<u>\$3,192,780</u>	<u>\$4,711,059</u>	\$65,493,430
14	Test Year Actual Pool Capacity Payments						<u>\$57,077,395</u>
15	Test Year Adjustment						\$8,416,035
16	Allocation Factor - GP-TOT						<u>0.991</u>
17	KPSC Jurisdiction Amount						<u>\$8,340,291</u>
18	Filed on December 29, 2009					\$5,282,982	<u>\$8,907,066</u>
19	Difference					<u>(\$571,923)</u>	<u>(\$566,775)</u>

Source:

^{1/} Exhibit EKW - 13

^{2/} Exhibit EKW - 14

^{3/} Exhibits EKW - 15 & 16 Revised January 20, 2010 (See Company's Response to Item No. 43)

Witness: E. K. Wagner

**Kentucky Power Company
Capacity Settlement Revenues
for the Month September 30, 2009
January 2009 - September 2009 Adjustment**

Ln No (1)	Company (2)	Revised MLR (3)	Member Primary Capacity (4)	Primary Capacity Reservation (5)	Surplus (Deficit) (6)	Actual Investment Rate (7)	Base Credit (Charge) (8)	Investment Rate w/ Sept Balances (9)	Revised Credit (Charge) (10)
1	APCo	0.35155	6,321,000	9,217,700	(2,896,700)	\$8.7107	(\$25,232,378)	\$9.5465	(\$27,653,293)
2	KPCo	0.07084	1,453,000	1,857,400	(404,400)	\$8.7107	(\$3,522,620)	\$9.5465	(\$3,860,597)
3	I&M	0.17963	5,155,000	4,709,900	445,100	\$10.5400	\$4,691,354	\$10.1100	\$4,499,961
4	OPCo	0.21166	8,450,000	5,549,700	2,900,300	\$8.4300	\$24,449,529	\$9.4600	\$27,436,838
5	CSP	0.18632	4,841,000	4,885,300	(44,300)	\$8.7107	(\$385,885)	\$9.5465	(\$422,909)
6	Total		26,220,000	26,220,000	0		\$0		\$0
				Revised Charge	Base Charge	Difference			
7	KPCo			(\$3,860,597)	(\$3,522,620)	(\$337,977)			
8	Number of Months					<u>9</u>			
9	Total					<u>(\$3,041,793)</u>			
10	I&M Plant Balance @ Sept 2009			\$ 3,767,156,018					
11	OPCo Plant Balance @ Sept 2009			\$ 5,817,919,603					

**Exhibit EKW-15
Revised January 20, 2010**

**Kentucky Power Company
Capacity Settlement Revenues
for the Month September 30, 2009**

Ln No (1)	Company (2)	Revised MLR (4)	Member Primary Capacity (5)	Primary Capacity Reservation (6)	Surplus (Deficit) Base (7)	Surplus (Deficit) exc CPL (8)	Capacity Rate Base (9)	Credit (Charge) Base (10)	Capacity Rate Exc CPL (11)	Credit (Charge) Exc CPL (12)
1	APCo	0.35155	6,321,000	9,217,700	(2,896,700)	(2,984,529)	\$11.9706	(\$34,675,372)	\$12.0980	(\$36,106,880)
2	KPCo	0.07084	1,453,000	1,857,400	(404,400)	(422,135)	\$11.9706	(\$4,840,929)	\$12.0980	(\$5,106,994)
3	I&M	0.17963	5,155,000	4,709,900	445,100	650,194	\$14.0600	\$6,258,106	\$14.0600	\$9,141,726
4	OPCo	0.21166	8,450,000	5,549,700	2,900,300	2,847,360	\$11.6500	\$33,788,495	\$11.6500	\$33,171,742
5	CSP	0.18632	4,841,000	4,885,300	(44,300)	(90,890)	\$11.9706	(\$530,300)	\$12.0980	(\$1,099,594)
6	Total		26,220,000	26,220,000	0	0		\$0		\$0
				Revised Charge	Base Charge	Difference				
7	KPCo			(\$5,106,994)	(\$4,840,929)	(\$266,065)				
8	Number of Months					<u>12</u>				
9	Total					<u><u>(\$3,192,780)</u></u>				

**Exhibit EKW-16
Revised January 20, 2010**

Kentucky Power Company

REQUEST

Provide detailed monthly income statements for each month after the test year, including the month in which the hearing ends, as they become available.

RESPONSE

Attached is a copy of the monthly income statements for the months of October and November 2009.

WITNESS: Errol K Wagner

DEC - 2 2009



American Electric Power
1 Riverside Plaza
Columbus, OH 43215-2373
AEP.com

November 30, 2009

Commonwealth of Kentucky
Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602-0615

Please find enclosed October 2009 Financial Report pages for Kentucky Power Company consisting of the following:

<u>Page Nos.</u>	<u>Description</u>
1	Income Statement
2	Balance Sheet – Assets & Other Debits
3	Balance Sheet – Liabilities & Other Credits
4	Statement of Retained Earnings
5	Deferred Credits
6-7	Details of Operating Revenues
8	Operating Expenses – Functional Expenses
9-10	Detail Statement of Taxes
11-12	Electric Property & Accum Prov for Depr & Amrtz

Sincerely,

A handwritten signature in cursive script that reads 'Andrea M. Wallace'.

Andrea M. Wallace
Administrator – Regulated Accounting

AMW/lck

Enclosure

Cc: Errol Wagner (w/pages)
Kathy Potts

Kentucky Power Company
Comparative Income Statement
October 31, 2009

GLR1100S

DESCRIPTION	ONE MONTH ENDED October 31, 2009	THREE MONTHS ENDED October 31, 2009	YEAR TO DATE October 31, 2009	TWELVE MONTHS ENDED October 31, 2009
OPERATING REVENUES				
SALES TO NON AFFILIATES	40,498,719.38	131,850,088.37	492,044,500.54	608,736,565.84
SALES TO AFFILIATES	5,111,189.62	14,720,767.03	54,650,837.21	59,173,883.08
GROSS OPERATING REVENUES	45,609,909.00	146,570,855.40	546,595,337.75	667,910,448.91
PROVISION FOR RATE REFUND	0.00	0.00	0.00	(12,698,791.46)
TOTAL OPERATING REVENUES, NET	45,609,909.00	146,570,855.40	546,595,337.75	655,211,657.45
OPERATING EXPENSES				
OPERATIONS				
FUEL	14,224,176.90	42,300,434.86	154,028,302.53	189,378,813.89
PURCHASED POWER NON AFFIL	5,919,892.97	18,096,122.47	64,259,441.55	73,616,308.69
PURCHASE POWER AFFILIATED	11,983,316.97	41,365,467.52	139,666,652.14	175,721,660.50
OTHER OPERATION	4,531,233.61	13,417,253.86	44,606,586.64	56,763,152.15
MAINTENANCE	2,446,768.58	11,017,078.49	40,935,188.25	48,075,876.05
TOTAL OPER/MAINT EXPENSES	39,086,388.02	126,196,357.19	443,496,171.11	543,555,811.28
DEPRECIATION AND AMORTIZATION	4,375,973.18	13,140,059.52	43,254,112.13	51,370,877.89
TAXES OTHER THAN INCOME TAXES	977,400.69	2,830,746.45	9,747,560.45	11,505,376.69
STATE, LOCAL & FOREIGN INCOME TAXES	(353,488.95)	(1,642,896.75)	(1,413,617.48)	(1,343,458.12)
FEDERAL INCOME TAXES	(812,521.32)	(395,009.51)	8,735,081.36	4,659,511.64
TOTAL OPERATING EXPENSES	43,272,751.62	140,129,256.96	503,819,307.57	609,748,119.38
NET OPERATING INCOME	2,337,157.38	6,441,598.50	42,776,030.18	45,463,538.08
OTHER INCOME AND DEDUCTIONS				
OTHER INCOME	119,435.69	933,974.75	1,026,052.36	(62,162.18)
OTHER INCOME DEDUCTIONS	(19,499.44)	(104,481.03)	(429,927.44)	(2,302,566.78)
INC TAXES APPL TO OTH INC&DED	(2,064.27)	(218,287.26)	(124,063.12)	929,126.26
NET OTHR INCOME AND DEDUCTIONS	97,871.98	611,206.46	472,061.80	(1,435,602.70)
INCOME BEFORE INTEREST CHARGES	2,435,029.36	7,052,804.96	43,248,091.98	44,027,935.37
INTEREST CHARGES				
INTEREST ON LONG-TERM DEBT	2,920,725.52	8,762,176.56	24,540,148.07	34,559,733.60
INT SHORT TERM DEBT - AFFIL	60.42	254.14	986,153.77	1,653,513.80
INT SHORT TERM DEBT - NON-AFFL	18,666.14	55,535.22	124,279.59	146,306.64
AMORT OF DEBT DISC, PREM & EXP	39,265.54	118,437.76	378,566.73	450,949.43
AMORT LOSS ON REACQUIRED DEBT	2,804.05	8,412.15	28,040.50	33,648.60
AMORT GAIN ON REACQUIRED DEBT	0.00	0.00	0.00	0.00
OTHER INTEREST EXPENSE	92,153.99	274,348.05	1,076,048.08	1,382,062.95
TOTAL INTEREST CHARGES	3,073,675.66	9,219,163.88	27,133,234.74	38,226,215.02
AFUDC BORROWED FUNDS - CR	(68,583.69)	(158,151.49)	(286,199.50)	(738,070.91)
NET INTEREST CHARGES	3,005,091.97	9,061,012.39	26,847,035.24	37,488,144.11
NET EXTRAORDINARY ITEMS	0.00	0.00	0.00	0.00
NET INCOME BEFORE PEF DIV	(570,062.61)	(2,008,207.43)	16,401,056.74	6,539,791.26
PREF STK DIVIDEND REQUIREMENT	0.00	0.00	0.00	0.00
NET INCOME - EARN FOR CMMN STK	(570,062.61)	(2,008,207.43)	16,401,056.74	6,539,791.26

KPSC Case No. 2009-00459
 Commission Staff First Set Data Request
 Order Dated December 23, 2009
 Item No. 44
 Page 3 of 29

Kentucky Power Company
Balance Sheet - Assets
October 31, 2009

GLR1500S	MONTH END BALANCES		DECEMBER BALANCES	
DESCRIPTION	October 31, 2009		December 31, 2008	
ELECTRIC UTILITY PLANT				
PRODUCTION	546,607,207.18		533,997,419.78	
TRANSMISSION	436,590,918.47		431,835,011.48	
DISTRIBUTION	563,213,455.82		528,711,035.71	
GENERAL	58,281,114.63		59,993,982.91	
CONSTRUCTION WORK IN PROGRESS	27,537,947.54		46,649,955.00	
TOTAL ELECTRIC UTILITY PLANT	1,632,230,643.64		1,601,187,404.88	
LESS ACCUM PRV-DEPR,DEPL,AMORT	(532,188,258.94)		(508,264,342.52)	
NET ELECTRIC UTILITY PLANT	1,100,042,384.69		1,092,923,062.35	
OTHER PROPERTY AND INVESTMENT				
NET NONUTILITY PROPERTY	5,310,932.65		5,313,624.64	
INVEST IN SUBSIDIARY & ASSOC	0.00		0.00	
TOTAL OTHER INVESTMENTS	313,408.79		327,573.21	
TOTAL OTHER SPECIAL FUNDS	0.00		0.00	
ALLOWANCES-NON CURRENT	6,698,929.08		6,698,929.08	
LT ENERGY TRADING CONTRACTS	10,976,311.68		10,860,325.62	
TOTAL OTHER PROP AND INVSTMNTS	23,299,582.20		23,200,452.55	
CURRENT AND ACCRUED ASSETS				
CASH AND CASH EQUIVALENTS	621,794.48		646,031.01	
ADVANCES TO AFFILIATES	11,845,661.21		0.00	
ACCOUNTS RECEIVABLE-CUSTOMERS	10,552,103.51		17,245,233.40	
ACCOUNTS RECEIVABLE - MISC	4,749,724.16		6,235,435.59	
A/P FOR UNCOLLECTIBLE ACCOUNTS	(857,760.19)		(1,144,287.04)	
ACCOUNTS RECEIVABLE- ASSOC COS	4,502,120.77		5,604,460.12	
FUEL STOCK	42,636,934.85		29,440,399.10	
MATERIALS & SUPPLIES	11,740,522.67		10,630,367.91	
ACCRUED UTILITY REVENUES	(6,028,362.36)		2,532,686.20	
ENERGY TRADING CONT CURR ASSET	14,791,886.76		13,759,686.05	
PREPAYMENTS	1,611,531.29		1,270,713.73	
OTHER CURRENT ASSETS	8,231,686.37		6,309,815.55	
TOTAL CURRENT ASSETS	104,397,843.52		92,530,541.61	
REGULATORY ASSETS				
TOTAL REGULATORY ASSETS	182,803,595.43		192,586,869.70	
DEFERRED CHARGES				
TOTAL DEFERRED CHARGES	66,638,784.49		90,873,515.18	
TOTAL ASSETS	1,477,182,190.33		1,492,114,441.39	

Kentucky P Company
Balance Sheet - Capitalization and Liabilities
October 31, 2009

GLR1700S

DESCRIPTION	MONTH END BALANCES	DECEMBER BALANCES
	October 31, 2009	December 31, 2008
CAPITALIZATION		
COMMON STOCK		
Authorized: 2,000,000 Shares		
Outstanding: 1,009,000 Shares		
COMMON STOCK	50,450,000.00	50,450,000.00
PREMIUM ON CAPITAL STOCK	0.00	0.00
PAID-IN CAPITAL	238,232,262.59	208,809,584.69
RETAINED EARNINGS	141,650,145.52	138,749,088.79
COMMON SHAREHOLDERS' EQUITY	430,332,408.11	398,008,673.48
CUMULATIVE PREFERRED STOCK		
PS SUBJECT TO MANDATORY REDEMP	0.00	0.00
PS NOT SUBJ MANDATORY REDEMP	0.00	0.00
TRUST PREFERRED SECURITIES		
TRUST PREFER SECURITIES	0.00	0.00
LT DEBT (LESS AMT DUE IN 1 YR)		
LONG-TERM DEBT LESS AMT DUE 1 YR	548,693,987.50	418,555,050.00
TOTAL CAPITALIZATION	979,026,395.61	816,563,723.48
OTHER NONCURRENT LIABILITIES		
OBLIGATIONS UNDER CAP LEASE	1,161,047.46	1,045,187.80
ACCUM PROVISIONS-RATE REFUND	0.00	0.00
ACCUMULATED PROVISIONS - MISC	54,504,631.08	55,093,792.49
TOTAL OTH-NONCURRENT LIAB'S	55,665,678.54	56,138,980.29
CURRENT LIABILITIES		
PREFERRED STOCK DUE WIN 1 YR	0.00	0.00
LONG-TERM DEBT DUE WITHIN 1 YR	0.00	0.00
ACCUM PROVISION DUE ONE YEAR	0.00	0.00
SHORT-TERM DEBT	0.00	0.00
ADVANCES FROM AFFILIATES	0.00	131,398,654.83
A/P - GENERAL	23,836,102.48	35,583,784.27
A/P- ASSOC. COS.	14,362,857.55	45,332,843.77
CUSTOMER DEPOSITS	17,850,611.12	15,984,420.34
TAXES ACCRUED	457,464.81	13,026,484.88
INTEREST ACCRUED	9,488,721.66	7,483,652.07
DIVIDENDS PAYABLE	0.00	0.00
OBLIG UNDER CAP LEASES- CURR	779,927.23	776,743.22
ENERGY TRADING CONT CURR LIAB	6,016,748.26	6,315,640.17
OTHR CURR & ACCRUED LIAB	14,884,247.37	22,043,037.63
TOTAL CURRENT LIABILITIES	87,686,680.48	277,955,261.18
DEF CREDITS & REGULATORY LIAB		
DEFERRED INCOME TAXES	325,729,967.57	314,623,125.37
DEF INVESTMENT TAX CREDITS	1,834,360.00	2,519,320.00
REGULATORY LIABILITIES	17,323,255.90	14,530,176.00
DEFERRED CREDITS		
LT ENERGY TRADING CONTRACTS	4,448,663.44	5,630,492.54
CUSTOMER ADVANCES FOR CONSTR	57,712.43	67,543.47
DEF GAINS ON SALE/LEASEBACK	0.00	0.00
DEF GAINS-DISP OF UTILITY PLT	0.00	0.00
OTHER DEFERRED CREDITS	5,409,476.36	4,085,819.06
TOTAL OTHER DEFERRED CREDITS	9,915,852.23	9,783,855.07
TOTAL DEF CREDITS & REG LIAB'S	354,803,435.70	341,456,476.44
TOTAL CAPITAL & LIABILITIES	1,477,182,190.33	1,492,114,441.39

Kentucky Power Company
Statement of Retained Earnings
October 31, 2009

GLR1710S

ACCOUNT NUMBER	DESCRIPTION	MONTH END BALANCES October 31, 2009	DECEMBER BALANCES December 31, 2008
	BALANCE AT BEGINNING OF YEAR	138,749,088.79	128,583,535.72
	NET INCOME (LOSS)	16,401,056.74	24,531,320.96
	TOTAL	155,150,145.52	153,114,856.68
	DEDUCTIONS:		
4380001	Div Declrd - Common Stk - Asso	(13,500,000.00)	(14,000,000.00)
	DIVIDEND DECLARED ON COMMON	(13,500,000.00)	(14,000,000.00)
	DIVIDEND DECLARED ON PREFERRED	0.00	0.00
4390000	Adj to Retained Earnings	0.00	0.00
	ADJUSTMENT RETAINED EARNINGS	0.00	0.00
	TOTAL DEDUCTIONS	(13,500,000.00)	(14,365,767.89)
	BALANCE AT END OF PERIOD (A)	141,650,145.52	138,749,088.79
	(A) REPRESENTS THE FOLLOWING -		
	BALANCE AT END OF PERIOD		
2150000	Appropriated Retained Earnings	0.00	0.00
2151000	Appr Retnd Erngs-- Amrt Rsv, Fed	0.00	0.00
	TOTAL APPR RETND ERNGS	0.00	0.00
2160001	Unapprp Retained Earnings Unrestr	138,749,088.79	128,583,535.72
2160002	Unapprp Retained Earnings Restr	0.00	0.00
	Net Income Transferred	2,901,056.74	10,165,553.07
	TOTAL UNAPPR RETND ERNGS	141,650,145.52	138,749,088.79
216.1	Unapprp Undistribtd Sub Erngs	0.00	0.00
	Equity Erngs of Subsidiary Co	0.00	0.00
	TOTAL UNAPPR UNDISTR SUB ERNGS	0.00	0.00
	TOTAL RETAINED EARNINGS	141,650,145.52	138,749,088.79

Kentucky Power Company
Deferred Credits
October 31, 2009

GLR1860S			
ACCOUNT NUMBER	DESCRIPTION	MONTH END BALANCES October 31, 2009	DECEMBER BALANCES December 31, 2008
	ENERGY TRADING CONTRACTS		
2440002	LT Unreal Losses - Non Affil	6,781,313.26	6,314,444.23
2440004	LT Unreal Losses - Affil	194,272.74	24,852.31
2440010	L/T Option Premium Receipts	5,789.44	0.00
2440022	L/T Liability MTM Collateral	(2,670,965.00)	(714,901.00)
2450011	L/T Liability-Commodity Hedges	138,253.00	6,097.00
	LT ENERGY TRADING CONTRACTS	4,448,663.44	5,630,492.54
	CUSTOMER ADVANCES FOR CONSTRUCTION		
2520000	Customer Adv for Construction	57,712.43	67,543.47
	TOTAL CUST ADVANCES FOR CONSTR	57,712.43	67,543.47
	DEFERRED GAIN ON SALE/LEASEBACK		
	TOTAL DEF GAIN ON SALE/LSEBCK	0.00	0.00
	DEFERRED GAIN ON DISP OF UTIL PLT		
	TOTAL DEF GAINS-DISP UTIL PLT	0.00	0.00
	OTHER DEFERRED CREDITS		
2530000	Other Deferred Credits	293,026.86	0.00
2530004	Allowances	0.00	0.01
2530022	Customer Advance Receipts	1,445,040.05	524,860.24
2530050	Deferred Rev - Pole Attachments	147,164.58	44,243.39
2530067	IPP - System Upgrade Credits	234,930.22	228,220.99
2530092	Fbr Opt Lns-In Kind Sv-Dfd Gns	176,779.21	179,271.21
2530112	Other Deferred Credits-Curr	14,633.72	15.00
2530113	State Mitigation Deferral (NSR)	977,760.00	977,760.00
2530114	Federal Mitigation Deferral(NSR)	1,627,155.60	1,627,155.60
2530137	Fbr Opt Lns-Sold-Defd Rev	159,656.12	170,952.62
2530148	Accrued Penalties-Tax Reserves	333,340.00	333,340.00
	TOTAL OTHER DEFERRED CREDITS	5,409,476.36	4,085,819.06
	ACCUM DEFERRED INCOME TAXES		
2811001	Acc Dfd FIT - Accel Amort Prop	31,486,878.85	32,792,378.85
2821001	Accum Defd FIT - Utility Prop	152,906,609.61	131,548,600.48
2823001	Acc Dfd FIT-FAS 109 Flow Thru	52,589,182.29	52,511,545.55
2824001	Acc Dfd FIT - SFAS 109 Excess	(824,825.00)	(930,865.00)
2830006	ADIT Federal - SFAS 133 Nonaff	266,668.61	394,922.00
2831001	Accum Deferred FIT - Other	15,230,464.19	27,781,673.22
2832001	Accum Dfd FIT - Oth Inc & Ded	1,555,141.77	1,810,777.32
2833001	Acc Dfd FIT FAS 109 Flow Thru	39,751,258.25	38,759,540.95
2833002	Acc Dfd SIT FAS 109 Flow Thru	32,668,589.00	29,954,552.00
	TOTAL ACCUM DEF INC TAX-CREDIT	325,729,967.57	314,623,125.37
	ACCUM DEFERRED INVEST TAX CREDITS		
2550001	Accum Deferred ITC - Federal	1,834,360.00	2,519,320.00
	TOTAL ACCUM DEF INVEST TAX CR	1,834,360.00	2,519,320.00
	REGULATORY LIAB'S	17,323,255.90	14,530,176.00
	TOTAL DEFERRED CREDITS & REG LIAB	354,803,435.70	341,456,476.44

Kentucky Power Company
Operating Revenues
October 31, 2009

GLR1110S

ACCOUNT NUMBER	DESCRIPTION	OPERATING REVENUES			
		ONE MONTH ENDED October 31, 2009	THREE MONTHS ENDED October 31, 2009	YEAR TO DATE October 31, 2009	TWELVE MONTHS ENDED October 31, 2009
SALES OF ELECTRICITY					
RETAIL SALES					
4400001	Residential Sales-W/Space Mtg	4,510,971.36	15,208,755.07	65,912,915.28	84,099,150.45
4400002	Residential Sales-W/O Space Mt	2,478,393.39	9,028,402.50	33,362,692.04	40,876,736.35
4400005	Residential Fuel Rev	3,225,552.92	12,835,624.15	58,251,793.27	77,371,281.52
	Residential Sales	10,214,917.67	37,070,781.72	157,527,400.59	202,347,168.32
4420001	Commercial Sales	4,212,557.89	13,259,387.61	45,952,918.58	55,038,366.30
4420002	Industrial Sales (Excl Mines)	4,319,857.52	11,937,272.66	40,598,556.29	48,632,894.64
4420004	Ind Sales-NonAffil(Incl Mines)	2,922,600.25	8,453,096.48	30,311,478.74	36,477,899.31
4420006	Sales to Pub Auth - Schools	786,949.30	2,458,151.38	8,158,637.92	9,850,462.50
4420007	Sales to Pub Auth - Ex Schools	740,185.14	2,319,134.87	7,978,044.32	9,453,469.30
4420013	Commercial Fuel Rev	2,660,561.33	9,542,059.63	35,495,802.66	44,140,417.88
4420016	Industrial Fuel Rev	7,310,524.56	22,410,194.53	80,174,779.25	100,509,997.80
	COMMERCIAL & INDUSTRIAL SALES	22,953,235.99	70,379,297.16	248,670,217.76	304,113,507.73
		0.00	0.00	0.00	0.00
4440000	Public Street/Highway Lighting	87,258.56	266,517.19	860,591.66	1,018,684.79
4440002	Public St & Hwy Light Fuel Rev	24,629.46	74,062.88	244,954.73	318,894.21
	Public & Other Sales	111,888.02	342,580.07	1,105,546.39	1,337,579.00
	TOTAL RETAIL SALES	33,280,041.68	107,792,658.95	407,303,164.74	507,798,255.05
SALES FOR RESALE					
4470002	Sales for Resale - NonAssoc	1,065,695.57	4,101,922.25	10,888,255.29	11,555,338.98
4470004	Sales for Resale-Nonaff-Ancill	5,052.96	14,982.69	67,306.93	72,085.87
4470005	Sales for Resale-Nonaff-Transm	68,916.61	204,684.16	639,332.18	765,859.16
4470006	Sales for Resale-Bookout Sales	4,590,193.59	15,604,233.06	49,149,780.29	68,498,258.00
4470010	Sales for Resale-Bookout Purch	(4,205,146.57)	(13,748,082.32)	(43,550,903.52)	(61,687,590.75)
4470026	Sale for Resl - Real from East	0.00	0.00	0.00	0.00
4470027	Whsal/Muni/Pb Ath Fuel Rev	217,859.59	712,590.60	2,407,557.89	2,880,416.51
4470028	Sale/Resale - NA - Fuel Rev	2,526,634.99	7,134,648.43	25,001,747.45	32,298,951.57
4470033	Whsal/Muni/Pub Auth Base Rev	196,922.43	616,669.52	2,906,851.27	3,327,443.64
4470064	Purch Pwr PhysTrad - Non Assoc	0.00	0.00	0.00	(2,263,834.48)
4470066	PWR Trding Trans Exp-NonAssoc	3,536.94	(6,671.14)	(89,883.06)	(104,816.84)
4470081	Financial Spark Gas - Realized	(50,616.69)	(176,717.78)	(270,281.09)	(401,491.00)
4470082	Financial Electric Realized	(323,399.64)	(2,594,037.00)	(7,901,126.02)	(9,456,957.09)
4470089	PJM Energy Sales Margin	(223,254.02)	(672,215.65)	(2,128,042.41)	(2,407,786.79)
4470090	PJM Spot Energy Purchases	0.00	0.00	0.00	0.00
4470091	PJM Explicit Congestion OSS	0.00	0.00	15,177.82	21,936.32
4470093	PJM Implicit Congestion-LSE	(224,088.24)	(1,024,296.83)	(6,076,118.48)	(6,926,669.25)
4470098	PJM Oper.Reserve Rev-OSS	35,753.26	188,181.97	910,018.02	1,113,564.99
4470099	Capacity Cr. Net Sales	179,936.11	527,239.07	1,467,310.32	1,849,302.99
4470100	PJM FTR Revenue-OSS	19,289.84	186,724.32	1,738,032.23	2,177,180.10
4470101	PJM FTR Revenue-LSE	268,010.58	673,672.48	6,334,090.59	7,284,586.87
4470103	PJM Energy Sales Cost	1,374,897.29	5,833,119.27	17,392,091.62	20,316,008.90
4470106	PJM Pt2Pt Trans.Purch-NonAff.	(528.68)	(1,334.81)	(4,316.58)	(5,493.27)
4470107	PJM NITS Purch-NonAff.	1,511.18	2,914.01	10,331.17	10,334.26

KPSC Case No. 2009-00459
 Commission Staff First Set Data Requests
 Order Dated December 23, 2009
 Item No. 44
 Page 8 of 29

Kentucky Power Company
Operating Revenues
October 31, 2009

GLR1110S

ACCOUNT NUMBER	DESCRIPTION	OPERATING REVENUES			
		ONE MONTH ENDED October 31, 2009	THREE MONTHS ENDED October 31, 2009	YEAR TO DATE October 31, 2009	TWELVE MONTHS ENDED October 31, 2009
4470109	PJM FTR Revenue-Spec	(32,828.60)	(94,319.11)	(247,614.56)	(357,302.21)
4470110	PJM TO Admin. Exp.-NonAff.	343.75	14,226.29	9,281.97	7,331.84
4470112	Non-ECR Phys. Sales-OSS	13,401.78	40,117.93	532,939.29	4,263,120.19
4470115	PJM Meter Corrections-OSS	(18,528.89)	(5,092.80)	(181,603.11)	(182,076.74)
4470116	PJM Meter Corrections-LSE	(3,314.33)	(15,311.00)	(17,899.29)	(28,449.00)
4470124	PJM Incremental Spot-OSS	(26.54)	25.40	473.10	(2,311.74)
4470125	PJM Incremental Exp Cong-OSS	(1,507.61)	374.71	(66,638.01)	(124,456.90)
4470126	PJM Incremental Imp Cong-OSS	(4,815.56)	(219,413.37)	(157,119.10)	54,809.78
4470131	Non ECR Purchased Power OSS	(69.61)	(200.23)	(282,249.22)	(460,620.03)
4470141	PJM Contract Net Charge Credit	(0.01)	0.02	0.03	12.83
4470143	Financial Hedge Realized	239,531.85	990,847.51	2,651,562.52	2,953,245.51
4470144	Realiz.Sharing - 06 SIA	0.00	3.00	(6,550.00)	(13,127.00)
4470150	Transm. Rev.-Dedct. Whlsl/Muni	59,365.47	176,268.70	553,048.94	637,648.08
4470155	OSS Physical Margin Reclass	(930,299.75)	(3,280,646.20)	(9,041,739.93)	(10,024,720.79)
4470156	OSS Optim. Margin Reclass	930,299.75	3,280,646.20	9,041,739.93	10,024,720.79
4470166	Marginal Explicit Losses	0.00	0.00	8,256.75	16,572.35
4470167	MISO FTR Revenues OSS	(42.07)	1,356.48	3,343.92	5,722.82
4470168	Interest Rate Swaps-Power	(3,141.60)	(10,984.70)	(27,904.74)	(34,181.27)
4470169	Capacity Sales Trading	9,075.97	26,667.34	(32,962.55)	(64,868.42)
4470170	Non-ECR Auction Sales-OSS	1,038,822.27	4,059,719.26	15,888,558.99	15,888,558.89
4470174	PJM Whlse FTR Rev - OSS	(37,958.34)	(13,155.37)	(13,155.37)	(13,155.37)
4470202	PJM OpRes-LSE-Credit	93,489.65	369,326.56	2,378,705.49	2,704,890.46
4470203	PJM OpRes-LSE-Charge	(169,442.50)	(589,947.00)	(2,839,483.53)	(3,167,557.70)
4470204	PJM Spinning-Credit	0.00	0.00	79,194.72	79,194.72
4470205	PJM Spinning-Charge	0.00	0.00	(13,392.11)	(13,392.11)
4470206	PJM Trans loss credits-OSS	(10,160.03)	254,783.89	981,662.27	1,153,699.69
4470207	PJM transm loss charges - LSE	(855,662.35)	(2,718,920.61)	(10,845,678.71)	(14,025,850.73)
4470208	PJM Transm loss credits-LSE	354,456.34	1,266,086.80	5,847,913.04	7,893,580.73
4470209	PJM transm loss charges-OSS	(26,206.87)	(588,267.51)	(1,688,661.13)	(1,963,342.95)
4470210	PJM ML OSS 3 Pct Rev	0.00	0.00	0.00	1,833,094.53
4470211	PJM ML OSS 3 Pct Fuel	0.00	0.00	0.00	(1,349,637.80)
4470212	PJM ML OSS 3 Pct NonFuel	0.00	0.00	0.00	(268,915.46)
4470214	PJM 30m Suppl Reserve CR OSS	(21,877.12)	(10,438.56)	51,040.64	54,067.27
4470215	PJM 30m Suppl Reserve CH OSS	(1,317.60)	(8,779.09)	(12,866.20)	(12,876.56)
4470216	PJM Explicit Loss not in ECR	28,357.98	28,900.41	(187,725.27)	(365,936.68)
	SALES FOR RESALE-NONAFFILIATED	6,177,342.35	20,532,101.24	71,269,590.68	84,014,117.81
4470001	Sales for Resale - Assoc Cos	(22,835.34)	(42,740.55)	(110,252.47)	(142,861.18)
4470035	Sls for Rsl - Fuel Rev - Assoc	64,816.75	134,177.95	376,512.58	453,520.95
4470128	Sales for Res-Aff. Pool Energy	5,048,840.00	14,567,625.00	54,078,895.00	58,615,058.00
	SALES FOR RESALE-AFFILIATED CO	5,090,621.41	14,659,062.40	54,345,155.11	58,925,717.78
	TOTAL SALES FOR RESALE	11,267,963.76	35,191,163.64	125,614,745.79	142,939,835.59
	TOTAL SALES OF ELECTRICITY	44,548,005.44	142,983,822.59	532,917,910.53	650,738,090.64
4491003	Prov Rate Refund - Retail	0.00	0.00	0.00	(12,698,791.46)
	PROVISION FOR RATE REFUND	0.00	0.00	0.00	(12,698,791.46)
	TOTAL SLS OF ELECT AFT RFD PROV	44,548,005.44	142,983,822.59	532,917,910.53	638,039,299.18

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Kentucky Power Company
Operating Revenues
October 31, 2009

GLR1110S

ACCOUNT NUMBER	DESCRIPTION	OPERATING REVENUES			
		ONE MONTH ENDED October 31, 2009	THREE MONTHS ENDED October 31, 2009	YEAR TO DATE October 31, 2009	TWELVE MONTHS ENDED October 31, 2009
	OTHER OPERATING REVENUE				
4560007	Oth Elect Rev - DSM Program	66,480.25	204,962.80	1,040,303.75	1,165,586.48
4560012	Oth Elect Rev - Nonaffiliated	1,533.22	2,295.60	(33,617.55)	(43,999.35)
4560013	Oth Elect Rev-Trans-Nonaffil	0.00	0.00	0.00	0.00
4560015	Other Electric Revenues - ABD	11,539.82	182,928.09	2,046,882.68	2,752,350.24
4560016	Financial Trading Rev-Unreal	(27,532.59)	(79,398.96)	77,270.65	112,990.15
4560041	Miscellaneous Revenue-NonAffil	0.00	(0.27)	0.66	0.56
4560049	Merch Generation Finan -Realzd	(18.51)	(4.25)	(76.00)	(69.45)
4560050	Oth Elec Rev-Coal Trd Rlzd G-L	49,698.54	277,551.46	816,507.16	848,011.06
4560058	PJM NITS Revenue-NonAff.	0.00	0.00	0.00	0.00
4560062	PJM TO Admin. Rev.-NonAff.	0.00	0.00	0.00	0.00
4560068	SECA Transmission Revenue	0.00	0.00	0.00	0.00
4560109	Interest Rate Swaps-Coal	(123.02)	(567.55)	(1,366.86)	(1,640.35)
4560111	MTM Aff GL Coal Trading	27,532.59	79,398.96	(77,270.65)	(112,990.15)
4560112	Realized GL Coal Trading-Affil	(20,765.56)	(74,241.88)	(229,154.96)	(229,154.96)
4561002	RTO Formation Cost Recovery	1,263.10	3,748.45	12,416.86	21,416.74
4561003	PJM Expansion Cost Recov	6,412.06	19,235.49	64,138.73	77,192.88
4561005	PJM Point to Point Trans Svc	60,667.71	177,340.54	751,762.13	952,590.14
4561006	PJM Trans Owner Admin Rev	11,510.53	36,991.01	128,806.49	158,488.19
4561007	PJM Network Integ Trans Svc	339,129.16	1,016,826.99	3,189,844.52	3,786,836.38
4561019	Oth Elec Rev Trans Non Affil	4,644.00	13,680.00	57,108.00	69,492.00
	OTHER ELECTRIC REVENUES	531,971.30	1,860,746.48	7,843,556.61	9,557,080.56
4540001	Rent From Elect Property - Af	20,568.21	61,704.63	205,682.10	248,165.30
4540002	Rent From Elect Property-NAC	327,444.79	1,051,830.10	3,634,938.57	4,616,230.96
4540004	Rent From Elect Prop-ABD-Nonaf	15,196.52	30,205.45	66,722.74	81,331.10
	RENT FROM ELEC PROPERTY	363,209.52	1,143,740.18	3,907,343.41	4,945,727.36
4500000	Forfeited Discounts	129,989.75	472,507.60	1,536,444.29	1,822,799.91
4510001	Misc Service Rev - Nonaffil	36,732.99	110,038.55	352,453.19	406,649.64
	MISC REVENUES	166,722.74	582,546.15	1,887,897.48	2,228,449.55
4118000	Gain Disposition of Allowances	0.00	0.00	0.00	0.00
4118002	Comp. Allow. Gains SO2	0.00	0.00	38,629.72	322,600.81
4118003	Comp. Allow. Gains-Seas NOx	0.00	0.00	0.00	118,500.00
4119000	Loss Disposition of Allowances	0.00	0.00	0.00	0.00
	GAIN (LOSS) DISPOS ALLOWANCES	0.00	0.00	38,629.72	441,100.81
	TOTAL OTHER OPERATING REVENUE	1,061,903.56	3,587,032.81	13,677,427.22	17,172,358.28
	GROSS OPERATING REVENUES	45,609,909.00	146,570,855.40	546,595,337.75	667,910,448.91
	NET OPERATING REVENUES	45,609,909.00	146,570,855.40	546,595,337.75	655,211,657.45

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Kentucky Pl. Company
 Operating Expenses - Functional
 October 31, 2009

GLR1130S	ONE MONTH ENDED October 31, 2009	THREE MONTHS ENDED October 31, 2009	YEAR TO DATE October 31, 2009	TWELVE MONTHS ENDED October 31, 2009
POWER PRODUCTION EXPENSES				
STEAM POWER GENERATION				189,378,813.89
FUEL	14,224,176.90	42,300,434.86	154,028,302.53	14,633,118.90
Operation - Other Than Fuel	1,279,152.58	3,373,668.49	11,323,161.19	204,011,932.79
Steam Power Operation	16,503,329.48	45,674,103.36	166,351,463.72	12,642,935.27
Steam Power Maintenance	964,485.37	2,433,597.91	8,657,183.27	216,554,868.06
TOTAL STEAM POWER GENERATION	16,467,814.86	48,107,701.26	174,008,646.99	
OTHER POWER GENERATION	0.00	0.00	0.00	0.00
OTHER POWER - OPERATION	0.00	0.00	0.00	0.00
OTHER POWER - MAINTENANCE	0.00	0.00	0.00	0.00
TOTAL OTHER POWER GENERATION				
OTHER POWER SUPPLY EXPENSES				
PURCHASED POWER	17,883,208.94	59,461,589.99	203,926,093.69	249,337,969.19
System Control & load Dispatch	29,244.76	139,192.50	335,886.56	400,836.79
Other Expenses	177,164.60	693,185.44	2,251,592.25	2,800,108.84
TOTAL OTHER POWER SUPPLY EXPS	18,089,618.30	60,293,967.93	206,513,572.50	252,539,014.82
TOTAL POWER PROD EXPS-OPER	33,592,947.78	105,968,071.28	371,865,036.22	456,550,947.61
TOTAL POWER PROD EXPS-MAINT	964,485.37	2,433,597.91	8,657,183.27	12,642,935.27
TOTAL POWER PROD EXPENSES	34,557,433.16	108,401,669.19	380,522,219.49	469,193,882.88
TRANSMISSION EXPENSES	(248,836.45)	(893,168.37)	(3,735,832.48)	(3,113,823.41)
Transmission - Operation	260,825.37	772,812.98	2,608,669.18	2,913,195.99
Transmission - Maintenance	11,988.92	(120,355.39)	(1,127,163.30)	(200,427.42)
TOTAL TRANSMISSION EXPENSES				
REGIONAL MARKET EXPENSES	52,703.14	294,751.75	1,027,991.36	1,174,598.02
REGIONAL MARKET OPERATION EXP	52,703.14	294,751.75	1,027,991.36	1,174,598.02
TOTAL REGIONAL MARKET EXPENSES				
DISTRIBUTION EXPENSES	765,030.23	1,942,202.23	5,802,981.04	7,930,211.24
DISTRIBUTION - OPERATION	1,093,583.53	7,461,910.02	28,468,874.78	31,066,082.20
DISTRIBUTION - MAINTENANCE	1,658,613.76	9,404,112.24	34,271,855.81	39,005,293.43
TOTAL DISTRIBUTION EXPENSES				
TOTAL CUSTOMER ACCT EXPENSES	604,032.73	1,629,533.34	5,828,320.45	7,129,375.17
TOTAL CUST SERV&INFO EXPENSES	103,363.73	322,873.48	1,650,783.69	1,808,643.64
TOTAL SALES EXPENSES	0.00	0.00	76.80	76.80
ADMINISTRATIVE & GENERAL EXPS	1,689,571.66	5,366,960.53	18,231,849.48	21,478,169.94
Admins & General - Operations	127,874.31	348,757.58	1,200,461.03	1,453,662.60
Admin & General - Maintenance	1,817,445.97	5,715,718.11	19,432,310.61	22,931,832.64
TOTAL ADMIN & GENERAL EXPS				
TOTAL FACTORED ACCTS REC EXPS	179,961.63	548,519.47	1,990,062.48	2,684,618.40
TOTAL ACCRETION EXPENSE	0.00	0.00	1,274.82	1,274.82
(GAIN) LOSS	(155.00)	(465.00)	(1,551.00)	(1,851.00)
GAINS FROM DISPOSAL OF UT PLT	0.00	0.00	0.00	(71,496.00)
LOSSES FROM DISP. OF UTIL PLT	(155.00)	(465.00)	(1,551.00)	(73,357.00)
TOTAL (GAIN) LOSS				
TOTAL OPERATION EXPENSES	36,638,619.44	116,179,278.70	402,560,982.85	496,479,935.23
TOTAL MAINTENANCE EXPENSES	2,446,768.58	11,017,078.49	40,935,188.25	48,075,876.06
TOTAL OPERATION & MAINT EXPS	39,085,388.02	126,196,357.19	443,496,171.11	543,555,811.28

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Kentucky Public Company
Taxes Applicable To Operating Income
October 31, 2009

GLR1170S		ONE MONTH ENDED	THREE MONTHS ENDED	YEAR TO DATE	TWELVE MONTHS ENDED
ACCOUNT NUMBER	DESCRIPTION	October 31, 2009	October 31, 2009	October 31, 2009	October 31, 2009
OTHER TAXES-FEDERAL & STATE					
4081002	FICA	191,319.66	601,403.57	2,249,150.67	2,836,185.72
4081003	Federal Unemployment Tax	64.58	113.87	12,194.78	27,605.67
408100504	Real & Personal Property Taxes	0.00	0.00	0.00	31.22
408100505	Real & Personal Property Taxes	0.00	0.00	1,815.37	11,649.61
408100506	Real & Personal Property Taxes	0.00	0.00	(11,197.35)	(80,256.03)
408100507	Real & Personal Property Taxes	1,051.49	1,797.57	856,472.07	2,176,812.07
408100508	Real & Personal Property Taxes	751,136.34	2,251,324.34	7,215,752.34	7,215,953.16
408100509	Real & Personal Property Taxes	0.92	0.92	0.92	0.92
408100607	State Gross Receipts Tax	0.00	0.00	0.00	0.00
408100608	State Gross Receipts Tax	0.00	0.00	(16,746.00)	54,856.00
408100609	State Gross Receipts Tax	13,917.00	37,146.00	171,232.00	171,232.00
4081007	State Unemployment Tax	89.56	157.83	26,056.87	40,284.82
408100807	State Franchise Taxes	0.00	0.00	0.00	(57,439.00)
408100808	State Franchise Taxes	0.00	0.00	0.00	(39,625.00)
408100809	State Franchise Taxes	8,700.00	8,700.00	71,500.00	71,500.00
408101407	Federal Excise Taxes	0.00	0.00	0.00	0.00
408101408	Federal Excise Taxes	0.00	0.00	0.00	0.00
408101409	Federal Excise Taxes	3,686.08	3,686.08	4,262.08	4,262.08
408101708	St Lic/Rgstn Tax/Fees	0.00	0.00	0.00	0.00
408101709	St Lic/Rgstn Tax/Fees	0.00	55.00	210.00	210.00
408101807	St Publ Serv Comm Tax/Fees	0.00	0.00	0.00	0.00
408101808	St Publ Serv Comm Tax/Fees	0.00	0.00	335,182.84	446,910.44
408101809	St Publ Serv Comm Tax/Fees	62,479.56	187,438.66	249,918.24	249,918.24
408101900	State Sales and Use Taxes	0.00	(227,000.00)	(840,600.00)	(936,600.00)
408101907	State Sales and Use Taxes	0.00	0.00	0.00	0.00
408101908	State Sales and Use Taxes	0.00	164,843.83	243,282.02	355,207.60
408101909	State Sales and Use Taxes	1,215.28	3,516.57	13,053.83	13,053.83
408102208	Municipal License Fees	0.00	0.00	0.00	0.00
408102209	Municipal License Fees	0.00	0.00	100.00	100.00
408102906	Real/Pers Prop Tax-Cap Leases	0.00	0.00	0.00	134.82
408102907	Real/Pers Prop Tax-Cap Leases	0.00	0.00	103.72	(12,366.91)
408102908	Real/Pers Prop Tax-Cap Leases	0.00	871.26	81.13	5,949.13
408102909	Real/Pers Prop Tax-Cap Leases	14,879.43	20,379.43	39,629.43	39,629.43
4081033	Fringe Benefit Loading - FICA	(70,280.53)	(221,429.16)	(863,357.96)	(1,076,085.45)
4081034	Fringe Benefit Loading - FUT	(930.33)	(2,632.67)	(9,457.08)	(11,567.03)
4081035	Fringe Benefit Loading - SUT	(930.33)	(2,632.67)	(10,235.23)	(12,345.16)
408103606	Real Prop Tax-Cap Leases	0.00	0.00	0.00	0.00
408103607	Real Prop Tax-Cap Leases	0.00	0.00	0.00	1,018.93
408103608	Real Prop Tax-Cap Leases	0.00	0.00	(864.43)	1,135.57
408103609	Real Prop Tax-Cap Leases	1,002.00	3,006.00	10,020.00	10,020.00
	TOTAL OTHER TAXES-FED & STATE	977,400.69	2,830,746.45	9,747,560.45	11,505,376.69
STATE, LOCAL & FOREIGN INC TAX					
409100200	Income Taxes, UOI - State	0.00	0.00	0.00	37,246.00
409100205	Income Taxes, UOI - State	0.00	0.00	0.00	0.00
409100207	Income Taxes, UOI - State	0.00	0.00	0.00	(525,794.10)
409100208	Income Taxes, UOI - State	0.00	0.00	0.00	558,707.46
409100209	Income Taxes, UOI - State	(353,488.95)	(1,642,896.75)	(1,413,617.48)	(1,413,617.48)
	TOTAL ST, LOC & FOR INC TAXES	(353,488.95)	(1,642,896.75)	(1,413,617.48)	(1,343,458.12)
FEDERAL INCOME TAXES					
4091001	Income Taxes, UOI - Federal	(3,440,842.43)	(12,812,014.87)	(15,491,118.29)	(16,560,113.53)
4101001	Prov Def I/T Util Op Inc-Fed	4,469,176.46	21,883,301.39	55,403,541.64	71,207,105.71
4111001	Prv Def I/T-Cr Util Op Inc-Fed	(1,772,359.35)	(9,280,808.03)	(30,492,381.99)	(49,166,474.54)
4114001	ITC Adj, Utility Oper - Fed	(68,496.00)	(205,488.00)	(684,960.00)	(821,006.00)
	TOTAL FEDERAL INCOME TAXES	(812,521.32)	(385,009.51)	8,735,081.36	4,659,511.64
	TOTAL TAXES APPLIC TO OPER INC	(188,609.50)	792,840.19	17,069,024.33	14,821,430.21

Kentucky Power Company
Taxes Applicable to Other Income & Deductions
October 31, 2009

GLR1210S

ACCOUNT NUMBER	DESCRIPTION	ONE MONTH ENDED October 31, 2009	THREE MONTHS ENDED October 31, 2009	YEAR TO DATE October 31, 2009	TWELVE MONTHS ENDED October 31, 2009
	TAXES OTHER THAN INC TAX				
408200508	Real & Personal Property Taxes	4,583.00	13,749.00	45,830.00	45,830.00
	TOTAL TAXES OTHER THAN INC TAX	4,583.00	13,749.00	45,830.00	45,830.00
	FEDERAL INC TAXES - OI&D				
4092001	Inc Tax, Oth Inc&Ded-Federal	23,849.69	229,554.75	325,226.12	23,171.31
4102001	Prov Def I/T Oth I&D - Federal	4,422.60	59,817.80	121,439.15	539,900.20
4112001	Prv Def I/T-Cr Oth I&D-Fed	(29,639.01)	(104,108.82)	(369,388.87)	(1,494,373.68)
	TOTAL FEDERAL INC TAXES - OI&D	(1,366.72)	185,263.73	77,276.40	(931,302.17)
	STATE INC TAXES - OI&D				
409200207	Inc Tax, Oth Inc & Ded - State	0.00	0.00	0.00	21,874.10
409200208	Inc Tax, Oth Inc & Ded - State	0.00	0.00	0.00	(66,484.91)
409200209	Inc Tax, Oth Inc & Ded - State	3,430.99	33,023.53	46,786.72	46,786.72
	TOTAL STATE INC TAXES - OI&D	3,430.99	33,023.53	46,786.72	2,175.91
	LOCAL INC TAXES - OI&D				
	TOTAL LOCAL INC TAXES - OI&D	0.00	0.00	0.00	0.00
	FOREIGN INC TAXES - OI&D				
	TOTAL FOREIGN INC TAXES - OI&D	0.00	0.00	0.00	0.00
	TOTAL TAXES APPLICABLE TO OI&D	6,647.27	232,036.26	169,893.12	(883,296.26)

LUCKY POWER COMPANY
 DETAIL OF ELECTRIC UTILITY PROPERTY
 YEAR TO DATE - October, 2009

GLR7210V		BEGINNING BALANCE	ADDITIONS	ORIGINAL COST RETIREMENTS	ADJUSTMENTS	TRANSFERS	ENDING BALANCE
UTILITY PLANT							
				(4,750,441.01)	0.00	0.00	551,475,797.09
101/105	GENERATION	539,735,067.68	16,491,170.42	(4,750,441.01)	0.00	0.00	551,475,797.09
	TOTAL PRODUCTION	539,735,067.68	16,491,170.42	(4,750,441.01)	0.00	0.00	551,475,797.09
101/105	TRANSMISSION	434,088,242.24	5,738,183.40	(710,103.50)	0.00	114,245.36	439,228,567.50
101/105	DISTRIBUTION	569,990,919.87	44,180,515.73	(11,310,242.83)	0.00	(121,165.36)	602,680,027.41
	TOTAL (ACCOUNTS 101 & 105)	1,543,754,229.79	66,407,869.55	(16,770,787.34)	0.00	(8,920.00)	1,593,384,392.00
1011001/12	CAPITAL LEASES	3,974,273.08	0.00	0.00	(102,519.71)	0.00	3,871,753.37
102	ELECTRIC PLT PURCHASED OR SOLD	0.00	0.00	0.00	0.00	0.00	0.00
1140001	ELECTRIC PLANT ACQUISITION	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL ELECTRIC PLANT IN SERVICE	1,547,728,502.87	66,407,869.55	(16,770,787.34)	(102,519.71)	(8,920.00)	1,597,256,145.37
1050001	PLANT HELD FOR FUTURE USE	8,808,947.00	627,603.73	0.00	0.00	0.00	7,436,550.73
107000X	CONSTRUCTION WORK IN PROGRESS:						
107000X	BEG. BAL	46,649,955.00	47,923,485.81				27,537,947.54
107000X	ADDITIONS		(67,035,473.28)				
107000X	TRANSFERS		(19,112,007.47)				
107000X	END. BAL						
	TOTAL ELECTRIC UTILITY PLANT	1,601,187,404.88	47,923,466.81	(16,770,787.34)	(102,519.71)	(8,920.00)	1,632,230,843.64
NONUTILITY PLANT							
1210001	NONUTILITY PROPERTY-OWNED	957,608.00	0.00	0.00	0.00	6,920.00	984,528.00
1210002	NONUTILITY PROPERTY-LEASED	0.00	0.00	0.00	0.00	0.00	0.00
1240025-29	OTHER INVESTMENTS	4,533,569.90	0.00	0.00	0.00	0.00	4,533,569.90
	TOTAL NONUTILITY PLANT	6,491,177.90	0.00	0.00	0.00	6,920.00	6,498,097.90

KPSC Case No. 2009-00459
 Commission Staff First Set Data Requests
 Order Dated December 23, 2009
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KL. JKY POWER COMPANY
 ACCUMULATED PROVISION FOR DEPRECIATION, AMORTIZATION, & DEPLETION
 YEAR TO DATE - October, 2009

GLR7410V	BEGINNING BALANCE	PROVISION TO DATE	ORIGINAL COST	NET REM/SALV COST	TRANSFER/ADJUSTMENTS	ENDING BALANCE
<u>UTILITY PLANT</u>						0.00
						0.00
						0.00
1080001/11 NUCLEAR						
1080001/11 OTHER						
1080009/10 DECOMMISSIONING COSTS						0.00
TOTAL NUCLEAR					0.00	227,667,044.87
1080001/11 PRODUCTION	219,108,218.86	16,629,718.08	(9,617,934.77)	(4,252,957.30)	24,651.87	140,268,175.30
1080001/11 TRANSMISSION	134,601,519.47	6,177,774.84	(710,103.50)	194,432.62	(24,651.87)	146,179,702.16
1080001/11 DISTRIBUTION	141,175,266.94	16,672,855.67	(9,791,598.63)	(1,852,271.95)		
1080013 PRODUCTION	(1,110,971.24)	0.00	0.00	0.00	(373,798.10)	(1,484,769.34)
1080013 TRANSMISSION	0.00	0.00	0.00	0.00	0.00	0.00
1080013 DISTRIBUTION	0.00	0.00	0.00	0.00	0.00	0.00
1080013 RETIREMENT WORK IN PROGRESS	(7,935,558.47)	0.00	0.00	(1,800,824.78)	5,910,796.53	(3,825,586.62)
TOTAL (108X accounts)	466,838,476.57	39,460,348.59	(14,119,634.90)	(7,711,621.41)	5,536,998.53	509,024,666.38
1110001 NUCLEAR	9,657,880.47	1,903,958.42	(1,132,506.24)	0.00	0.00	10,429,330.65
1110001 PRODUCTION	1,217,570.30	348,948.24	0.00	0.00	0.00	1,567,518.54
1110001 TRANSMISSION	9,399,074.11	1,356,636.78	(1,518,648.20)	0.00	0.00	9,236,064.69
1110001 DISTRIBUTION						
TOTAL (111X accounts)	20,273,624.88	3,610,541.44	(2,661,162.44)	0.00	0.00	21,232,913.88
1011006 CAPITAL LEASES	2,152,342.07	0.00	0.00	0.00	(221,563.39)	1,930,778.68
1150001 ACQUISITION ADJUSTMENT AMORT	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL ACCUM DEPR & AMORT.	608,254,342.62	43,090,890.03	(16,770,787.34)	(7,711,621.41)	5,315,435.14	632,188,258.94
<u>NONUTILITY PLANT</u>						167,165.25
1220001 Depr&Amort of Nonull Prop-Ownd	181,607.15	5,558.10	0.00	0.00	0.00	0.00
1220003 Depr&Amort of Nonull Prop-WIP	(4,053.89)	0.00	0.00	0.00	4,053.89	167,165.25
TOTAL NONUTILITY PLANT	177,553.26	5,558.10	0.00	0.00	4,053.89	167,165.25

KPSC Case No. 2009-00459
 Commission Staff Set Data Requests
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**AMERICAN[®]
ELECTRIC
POWER**

American Electric Power
1 Riverside Plaza
Columbus, OH 43215
AEP.com

December 17, 2009

Commonwealth of Kentucky
Public Service Commission
211 Sower Boulevard
P.O. Box 615
Frankfort, KY 40602-0615

DEC 10 2009

Please find enclosed November 2009 Financial Report pages for Kentucky Power Company consisting of the following:

<u>Page Nos.</u>	<u>Description</u>
1	Income Statement
2	Balance Sheet – Assets & Other Debits
3	Balance Sheet – Liabilities & Other Credits
4	Statement of Retained Earnings
5	Deferred Credits
6-7	Details of Operating Revenues
8	Operating Expenses – Functional Expenses
9-10	Detail Statement of Taxes
11-12	Electric Property & Accum Prov for Depr & Amrtz

Sincerely,

Andrea M. Wallace
Administrator – Regulated Accounting

AMW/lck

Enclosure
Cc: Errol Wagner (w/pages)
Kathy Potts

Kentucky Power Company
Comparative Income Statement
November 30, 2009

GLR1100S

DESCRIPTION	ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
OPERATING REVENUES				
SALES TO NON AFFILIATES	45,178,218.76	124,616,646.77	637,222,719.30	598,368,168.08
SALES TO AFFILIATES	4,117,213.61	12,964,981.72	58,668,050.82	61,603,272.85
GROSS OPERATING REVENUES	49,295,432.37	137,581,528.49	595,890,770.12	659,961,440.92
PROVISION FOR RATE REFUND	0.00	0.00	0.00	(12,698,791.46)
TOTAL OPERATING REVENUES, NET	49,295,432.37	137,581,528.49	595,890,770.12	647,262,649.46
OPERATING EXPENSES				
OPERATIONS				
FUEL	14,433,590.77	38,648,526.73	168,461,893.30	187,764,508.99
PURCHASED POWER NON AFFIL	5,449,598.79	16,564,536.20	69,709,040.34	75,057,464.80
PURCHASE POWER AFFILIATED	12,610,217.36	39,466,775.34	152,276,869.50	169,942,263.00
OTHER OPERATION	4,630,046.49	13,574,616.15	49,236,633.12	55,712,195.75
MAINTENANCE	3,022,613.48	9,118,166.32	43,957,801.74	47,672,501.55
TOTAL OPER/MAINT EXPENSES	40,146,066.89	117,374,620.74	483,642,237.99	536,148,934.08
DEPRECIATION AND AMORTIZATION	4,389,459.58	13,185,533.71	47,643,571.71	51,693,389.66
TAXES OTHER THAN INCOME TAXES	960,816.35	2,886,464.44	10,708,376.80	11,800,033.72
STATE, LOCAL & FOREIGN INCOME TAXES	(1,397,860.05)	(3,193,606.20)	(2,811,477.53)	(2,367,837.90)
FEDERAL INCOME TAXES	1,974,733.27	1,381,608.17	10,709,814.63	5,365,402.83
TOTAL OPERATING EXPENSES	46,073,216.04	131,634,620.86	549,892,523.60	602,639,922.39
NET OPERATING INCOME	3,222,216.33	5,946,907.63	45,998,246.51	44,622,727.08
OTHER INCOME AND DEDUCTIONS				
OTHER INCOME	141,730.04	945,853.53	1,167,782.40	4,073.30
OTHER INCOME DEDUCTIONS	(38,916.64)	(94,215.63)	(468,844.08)	(2,323,480.73)
INC TAXES APPL TO OTH INC&DED	66,294.18	(147,348.07)	(57,768.94)	1,021,434.89
NET OTHR INCOME AND DEDUCTIONS	169,107.58	704,289.83	641,169.38	(1,297,972.54)
INCOME BEFORE INTEREST CHARGES	3,391,323.91	6,661,197.46	46,639,416.89	43,324,754.63
INTEREST CHARGES				
INTEREST ON LONG-TERM DEBT	2,920,725.52	8,762,176.56	27,460,871.59	35,360,275.27
INT SHORT TERM DEBT - AFFIL	20.59	153.10	986,174.36	1,338,985.64
INT SHORT TERM DEBT - NON-AFFL	4,893.35	44,614.46	129,172.94	145,329.08
AMORT OF DEBT DISC, PREM & EXP	39,265.54	118,117.19	417,832.27	454,023.62
AMORT LOSS ON REACQUIRED DEBT	2,804.05	8,412.15	30,844.55	33,648.60
AMORT GAIN ON REACQUIRED DEBT	0.00	0.00	0.00	0.00
OTHER INTEREST EXPENSE	(10,311.96)	124,234.98	1,065,736.12	1,147,532.32
TOTAL INTEREST CHARGES	2,957,397.09	9,057,708.44	30,090,631.83	38,479,794.53
AFUDC BORROWED FUNDS - CR	(48,949.95)	(165,188.61)	(335,149.45)	(567,141.22)
NET INTEREST CHARGES	2,908,447.14	8,892,519.83	29,755,482.38	37,912,653.31
NET EXTRAORDINARY ITEMS	0.00	0.00	0.00	0.00
NET INCOME BEFORE PEF DIV	482,876.77	(2,241,322.37)	16,883,933.51	5,412,101.22
PREF STK DIVIDEND REQUIREMENT	0.00	0.00	0.00	0.00
NET INCOME - EARN FOR CMMN STK	482,876.77	(2,241,322.37)	16,883,933.51	5,412,101.22

Kentucky Power Company
Balance Sheet - Assets
November 30, 2009

GLR1500S

DESCRIPTION	MONTH END BALANCES	DECEMBER BALANCES
	November 30, 2009	December 31, 2008
ELECTRIC UTILITY PLANT		
PRODUCTION	546,826,077.66	533,997,419.78
TRANSMISSION	437,691,607.41	431,835,011.48
DISTRIBUTION	565,798,838.37	528,711,035.71
GENERAL	53,757,615.00	59,993,982.91
CONSTRUCTION WORK IN PROGRESS	27,037,955.07	46,649,955.00
TOTAL ELECTRIC UTILITY PLANT	1,631,112,093.51	1,601,187,404.88
LESS ACCUM PRV-DEPR, DEPL, AMORT	(530,936,314.65)	(508,264,342.52)
NET ELECTRIC UTILITY PLANT	1,100,175,778.85	1,092,923,062.35
OTHER PROPERTY AND INVESTMENT		
NET NONUTILITY PROPERTY	5,310,376.84	5,313,624.64
INVEST IN SUBSIDIARY & ASSOC	0.00	0.00
TOTAL OTHER INVESTMENTS	313,159.79	327,573.21
TOTAL OTHER SPECIAL FUNDS	0.00	0.00
ALLOWANCES-NON CURRENT	6,698,929.08	6,698,929.08
LT ENERGY TRADING CONTRACTS	10,158,308.12	10,860,325.62
TOTAL OTHER PROP AND INVSTMNTS	22,480,773.83	23,200,452.55
CURRENT AND ACCRUED ASSETS		
CASH AND CASH EQUIVALENTS	809,172.34	646,031.01
ADVANCES TO AFFILIATES	5,787,822.31	0.00
ACCOUNTS RECEIVABLE-CUSTOMERS	13,865,103.45	17,245,233.40
ACCOUNTS RECEIVABLE - MISC	5,620,233.49	6,235,435.59
A/P FOR UNCOLLECTIBLE ACCOUNTS	(893,650.83)	(1,144,287.04)
ACCOUNTS RECEIVABLE- ASSOC COS	6,836,920.49	5,604,460.12
FUEL STOCK	38,782,141.75	29,440,399.10
MATERIALS & SUPPLIES	11,694,713.36	10,630,367.91
ACCRUED UTILITY REVENUES	(2,894,152.70)	2,532,686.20
ENERGY TRADING CONT CURR ASSET	15,039,561.65	13,759,686.05
PREPAYMENTS	1,158,818.22	1,270,713.73
OTHER CURRENT ASSETS	6,218,317.00	6,309,815.55
TOTAL CURRENT ASSETS	102,025,000.53	92,530,541.61
REGULATORY ASSETS		
TOTAL REGULATORY ASSETS	181,925,341.95	192,586,869.70
DEFERRED CHARGES		
TOTAL DEFERRED CHARGES	70,854,788.43	90,873,515.18
TOTAL ASSETS	1,477,461,683.59	1,492,114,441.39

Kentucky Power Company
Balance Sheet - Capitalization and Liabilities
November 30, 2009

GLR1700S	MONTH END BALANCES	DECEMBER BALANCES
DESCRIPTION	November 30, 2009	December 31, 2008
CAPITALIZATION		
COMMON STOCK		
Authorized: 2,000,000 Shares		
Outstanding: 1,009,000 Shares		
COMMON STOCK	50,450,000.00	50,450,000.00
PREMIUM ON CAPITAL STOCK	0.00	0.00
PAID-IN CAPITAL	236,114,235.61	208,809,584.69
RETAINED EARNINGS	136,133,022.30	138,749,088.79
COMMON SHAREHOLDERS' EQUITY	424,697,257.91	398,008,673.48
CUMULATIVE PREFERRED STOCK		
PS SUBJECT TO MANDATORY REDEMP	0.00	0.00
PS NOT SUBJ MANDATORY REDEMP	0.00	0.00
TRUST PREFERRED SECURITIES		
TRUST PREFER SECURITIES	0.00	0.00
LT DEBT (LESS AMT DUE IN 1 YR)		
LONG-TERM DEBT LESS AMT DUE 1 YR	548,707,881.25	418,555,050.00
TOTAL CAPITALIZATION	973,405,139.16	816,563,723.48
OTHER NONCURRENT LIABILITIES		
OBLIGATIONS UNDER CAP LEASE	1,116,486.44	1,045,187.80
ACCUM PROVISIONS-RATE REFUND	0.00	0.00
ACCUMULATED PROVISIONS - MISC	54,529,625.89	55,093,792.49
TOTAL OTH NONCURRENT LIAB'S	55,646,112.33	56,138,980.29
CURRENT LIABILITIES		
PREFERRED STOCK DUE W/IN 1 YR	0.00	0.00
LONG-TERM DEBT DUE WITHIN 1 YR	0.00	0.00
ACCUM PROVISION DUE ONE YEAR	0.00	0.00
SHORT-TERM DEBT	0.00	131,398,654.83
ADVANCES FROM AFFILIATES		
A/P - GENERAL	22,168,928.40	35,583,784.27
A/P- ASSOC. COS.	16,164,652.63	45,332,843.77
CUSTOMER DEPOSITS	17,911,906.08	15,984,420.34
TAXES ACCRUED	(10,984,270.66)	13,026,484.88
INTEREST ACCRUED	12,461,035.70	7,493,652.07
DIVIDENDS PAYABLE	0.00	0.00
OBLIG UNDER CAP LEASES- CURR	766,428.25	776,743.22
ENERGY TRADING CONT CURR LIAB	5,830,410.22	6,315,640.17
OTHR CURR & ACCRUED LIAB	15,238,194.49	22,043,037.63
TOTAL CURRENT LIABILITIES	79,527,285.11	277,955,261.18
DEF CREDITS & REGULATORY LIAB		
DEFERRED INCOME TAXES	340,226,052.80	314,623,125.37
DEF INVESTMENT TAX CREDITS	1,765,864.00	2,519,320.00
REGULATORY LIABILITIES	16,400,182.54	14,530,176.00
DEFERRED CREDITS		
LT ENERGY TRADING CONTRACTS	4,450,948.59	5,630,492.54
CUSTOMER ADVANCES FOR CONSTR	55,047.58	67,543.47
DEF GAINS ON SALE/LEASEBACK	0.00	0.00
DEF GAINS-DISP OF UTILITY PLT	0.00	0.00
OTHER DEFERRED CREDITS	5,985,051.49	4,085,819.08
TOTAL OTHER DEFERRED CREDITS	10,491,047.66	9,783,855.07
TOTAL DEF CREDITS & REG LIAB'S	368,883,147.00	341,456,476.44
TOTAL CAPITAL & LIABILITIES	1,477,461,683.59	1,492,114,441.39

Kentucky Power Company
Statement of Retained Earnings
November 30, 2009

GLR1710S

ACCOUNT NUMBER	DESCRIPTION	MONTH END BALANCES November 30, 2009	DECEMBER BALANCES December 31, 2008
	BALANCE AT BEGINNING OF YEAR	138,749,088.79	128,583,535.72
	NET INCOME (LOSS)	16,883,933.51	24,531,320.96
	TOTAL	155,633,022.30	153,114,856.68
	DEDUCTIONS:		
4380001	Div Declrd - Common Stk - Asso'	(19,500,000.00)	(14,000,000.00)
	DIVIDEND DECLARED ON COMMON	(19,500,000.00)	(14,000,000.00)
	DIVIDEND DECLARED ON PREFERRED	0.00	0.00
4390000	Adj to Retained Earnings	0.00	0.00
	ADJUSTMENT RETAINED EARNINGS	0.00	0.00
	TOTAL DEDUCTIONS	(19,500,000.00)	(14,365,767.89)
	BALANCE AT END OF PERIOD (A)	136,133,022.30	138,749,088.79

	(A) REPRESENTS THE FOLLOWING -		
	BALANCE AT END OF PERIOD		
2150000	Appropriated Retained Earnings	0.00	0.00
2151000	Appr Retnd Erngs - Amrt Rsv, Fed	0.00	0.00
	TOTAL APPR RETND ERNGS	0.00	0.00
2160001	Unapprp Retained Earnings Unrestr	138,749,088.79	128,583,535.72
2160002	Unapprp Retained Earnings Restr	0.00	0.00
	Net Income Transferred	(2,616,066.49)	10,165,553.07
	TOTAL UNAPPR RETND ERNGS	136,133,022.30	138,749,088.79
216.1	Unapprp Undistribtd Sub Erngs	0.00	0.00
	Equity Erngs of Subsidiary Co	0.00	0.00
	TOTAL UNAPPR UNDISTR SUB ERNGS	0.00	0.00
	TOTAL RETAINED EARNINGS	136,133,022.30	138,749,088.79

Kentucky Power Company
Deferred Credits
November 30, 2009

GLR1860S

ACCOUNT NUMBER	DESCRIPTION	MONTH END BALANCES	DECEMBER BALANCES
		November 30, 2009	December 31, 2008
	ENERGY TRADING CONTRACTS		
2440002	LT Unreal Losses - Non Affil	6,564,232.10	6,314,444.23
2440004	LT Unreal Losses - Affil	258,228.78	24,852.31
2440010	L/T Option Premium Receipts	2,894.72	0.00
2440022	L/T Liability MTM Collateral	(2,441,531.00)	(714,901.00)
2450011	L/T Liability-Commodity Hedges	67,123.99	6,097.00
	LT ENERGY TRADING CONTRACTS	4,450,948.59	5,630,492.54
	CUSTOMER ADVANCES FOR CONSTRUCTION		
2520000	Customer Adv for Construction	55,047.58	67,543.47
	TOTAL CUSTOMER ADVANCES FOR CONSTRUCTION	55,047.58	67,543.47
	DEFERRED GAIN ON SALE/LEASEBACK		
	TOTAL DEFERRED GAIN ON SALE/LEASEBACK	0.00	0.00
	DEFERRED GAIN ON DISPOSITION OF UTIL PLANT		
	TOTAL DEFERRED GAINS-DISPOSITION OF UTIL PLANT	0.00	0.00
	OTHER DEFERRED CREDITS		
2530000	Other Deferred Credits	293,098.59	0.00
2530004	Allowances	0.00	0.01
2530022	Customer Advance Receipts	2,068,552.80	524,860.24
2530050	Deferred Rev - Pole Attachments	98,103.05	44,243.39
2530067	IPP - System Upgrade Credits	235,564.53	228,220.99
2530092	Fbr Opt Lns-In Kind Sv-Dfd Gns	176,530.21	179,271.21
2530112	Other Deferred Credits-Curr	16,420.24	15.00
2530113	State Mitigation Deferral (NSR)	977,760.00	977,760.00
2530114	Federal Mitigation Deferral(NSR)	1,627,155.60	1,627,155.60
2530137	Fbr Opt Lns-Sold-Defd Rev	158,526.47	170,952.62
2530148	Accrued Penalties-Tax Reserves	333,340.00	333,340.00
	TOTAL OTHER DEFERRED CREDITS	5,985,051.49	4,085,819.06
	ACCUMULATED DEFERRED INCOME TAXES		
2811001	Acc Dfd FIT - Accel Amort Prop	31,492,738.90	32,792,378.85
2821001	Accum Dfd FIT - Utility Prop	158,577,440.91	131,548,600.48
2823001	Acc Dfd FIT FAS 109 Flow Thru	50,952,973.70	52,511,545.55
2824001	Acc Dfd FIT - SFAS 109 Excess	(808,863.00)	(930,865.00)
2830006	ADIT Federal - SFAS 133 Nonaff	226,269.01	394,922.00
2831001	Accum Deferred FIT - Other	24,170,312.28	27,781,673.22
2832001	Accum Dfd FIT - Oth Inc & Ded	1,634,746.92	1,810,777.32
2833001	Acc Dfd FIT FAS 109 Flow Thru	39,503,236.08	38,759,540.95
2833002	Acc Dfd SIT FAS 109 Flow Thru	34,477,198.00	29,954,552.00
	TOTAL ACCUMULATED DEFERRED INCOME TAX-CREDIT	340,226,052.80	314,623,126.37
	ACCUMULATED DEFERRED INVESTMENT TAX CREDITS		
2550001	Accum Deferred ITC - Federal	1,765,864.00	2,519,320.00
	TOTAL ACCUMULATED DEFERRED INVESTMENT TAX CREDIT	1,765,864.00	2,519,320.00
	REGULATORY LIABILITIES	16,400,182.54	14,530,176.00
	TOTAL DEFERRED CREDITS & REGULATORY LIABILITIES	368,883,147.00	341,466,476.44

Kentucky Power Company
Operating Revenues
November 30, 2009

GLR1110S

ACCOUNT NUMBER	DESCRIPTION	OPERATING REVENUES			
		ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
SALES OF ELECTRICITY					
RETAIL SALES					
4400001	Residential Sales-W/Space Htg	7,064,786.57	18,151,362.62	72,977,701.85	83,713,132.72
4400002	Residential Sales-W/O Space Htg	3,232,723.14	8,540,207.50	36,595,415.18	40,785,565.91
4400005	Residential Fuel Rev	4,793,921.88	11,841,885.21	63,045,715.25	74,342,479.86
	Residential Sales	16,091,431.59	36,533,556.33	172,618,832.28	188,841,178.49
4420001	Commercial Sales	4,563,156.78	12,680,837.73	50,516,075.36	54,930,614.63
4420002	Industrial Sales (Excl Mines)	4,400,912.20	11,891,370.82	44,999,468.49	48,844,912.66
4420004	Ind Sales-NonAffil(Incl Mines)	3,145,084.66	8,721,639.27	33,456,663.40	36,273,631.08
4420006	Sales to Pub Auth - Schools	820,976.20	2,442,385.09	8,979,614.12	9,805,833.60
4420007	Sales to Pub Auth - Ex Schools	837,829.87	2,260,085.32	8,815,874.19	9,522,618.60
4420013	Commercial Fuel Rev	2,711,568.21	8,197,578.04	38,207,370.87	42,500,122.90
4420016	Industrial Fuel Rev	6,647,562.47	20,440,173.48	86,822,341.72	96,392,051.08
	COMMERCIAL & INDUSTRIAL SALES	23,127,090.39	66,634,067.75	271,797,308.15	288,269,764.56
	SALES - AFFILIATED	0.00	0.00	0.00	0.00
4440000	Public Street/Highway Lighting	86,377.50	270,781.33	946,969.16	1,033,799.78
4440002	Public St & Hwy Light Fuel Rev	26,074.71	76,154.46	271,029.44	314,161.84
	Public & Other Sales	112,452.21	346,935.79	1,217,998.60	1,347,961.62
	TOTAL RETAIL SALES	38,330,974.29	103,614,568.87	446,634,139.03	488,458,925.66
SALES FOR RESALE					
4470002	Sales for Resale - NonAssoc	1,146,047.48	3,580,676.48	12,032,302.77	12,177,497.69
4470004	Sales for Resale-Nonaff-Ancill	5,285.17	15,293.09	72,592.10	74,999.60
4470005	Sales for Resale-Nonaff-Transm	71,428.50	208,262.52	710,760.68	774,023.18
4470006	Sales for Resale-Bookout Sales	4,786,771.54	14,220,686.07	53,936,551.83	63,578,277.48
4470010	Sales for Resale-Bookout Purch	(4,398,322.10)	(13,008,720.44)	(47,949,225.62)	(56,914,590.52)
4470026	Sale for Resal - Real from East	0.00	0.00	0.00	0.00
4470027	Whsal/Muni/Pb Ath Fuel Rev	136,805.28	586,170.65	2,544,363.15	2,769,074.78
4470028	Sale/Resale - NA - Fuel Rev	2,330,891.65	7,204,255.49	27,332,639.10	31,408,479.93
4470033	Whsal/Muni/Pub Auth Base Rev	205,982.80	593,615.30	3,112,814.07	3,341,286.08
4470084	Purch Pwr Phys Trad - Non Assoc	(2,531.47)	(2,531.47)	(2,531.47)	(888,098.52)
4470066	PWR Trading Trans Exp-NonAssoc	6,976.86	5,213.89	(82,808.20)	(89,864.09)
4470081	Financial Spark Gas - Realized	(22,181.37)	(125,009.51)	(292,462.46)	(337,506.81)
4470082	Financial Electric Realized	(471,269.46)	(1,577,005.42)	(8,372,395.48)	(9,161,585.36)
4470089	PJM Energy Sales Margin	(411,035.95)	(994,324.85)	(2,539,078.37)	(2,635,189.40)
4470090	PJM Spot Energy Purchases	0.00	0.00	0.00	0.00
4470091	PJM Explicit Congestion OSS	94.29	94.29	15,272.11	20,621.75
4470093	PJM Implicit Congestion-LSE	(127,980.35)	(599,888.65)	(6,204,098.83)	(6,756,218.23)
4470098	PJM Oper. Reserve Rev-OSS	54,625.90	194,664.42	964,643.92	1,059,762.25
4470099	Capacity Cr. Net Sales	176,650.31	543,696.96	1,843,980.69	1,826,562.70
4470100	PJM FTR Revenue-OSS	65,551.28	15,590.97	1,803,583.51	2,066,508.34
4470101	PJM FTR Revenue-LSE	134,373.99	286,973.22	6,468,464.58	7,044,819.67
4470103	PJM Energy Sales Cost	1,641,985.22	4,651,430.48	19,034,076.84	20,216,945.01
4470106	PJM PJ2PI Trans.Purch-NonAff.	(128.72)	(959.84)	(4,445.30)	(4,947.37)
4470107	PJM NITS Purch-NonAff.	266.37	2,708.60	10,597.54	10,598.89
4470109	PJM FTR Revenue-Spac	(58,467.89)	(168,141.49)	(306,082.45)	(311,201.84)
4470110	PJM TO Admn. Exp.-NonAff.	(751.42)	(1,284.29)	8,530.55	8,415.98
4470112	Non-ECR Phys. Sales-OSS	21,987.79	50,435.83	554,927.08	2,365,470.37
4470115	PJM Meter Corrections-OSS	221.82	(17,171.42)	(181,381.29)	(193,016.26)
4470116	PJM Meter Corrections-LSE	53,138.77	36,447.54	35,239.48	8,250.86
4470124	PJM Incremental Spot-OSS	(260.48)	4,573.68	212.62	(72,857.04)
4470125	PJM Incremental Exp Cong-OSS	(148.93)	6,580.16	(66,786.94)	(76,896.98)
4470129	PJM Incremental Imp Cong-OSS	(19,903.32)	(61,651.05)	(177,022.42)	(98,880.17)
4470131	Non ECR Purchased Power OSS	(944.74)	(1,084.14)	(283,193.96)	(365,047.52)
4470141	PJM Contract Net Charge Credit	(0.03)	0.01	0.00	12.81
4470143	Financial Hedge Realized	235,950.08	806,802.21	2,887,512.60	3,017,850.17
4470144	Realiz. Sharing - 06 SIA	0.00	0.00	(6,650.00)	(7,054.00)
4470150	Transm. Rev.-Dedic. Whsl/Muni	57,513.64	174,634.11	610,562.58	653,763.08
4470155	OSS Physical Margin Reclass	(923,047.18)	(3,148,906.00)	(9,954,787.11)	(10,477,728.76)

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Kentucky Power Company
Operating Revenues
November 30, 2009

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ACCOUNT NUMBER	DESCRIPTION	OPERATING REVENUES			
		ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
4470156	OSS Optim. Margin Reclass	923,047.18	3,148,906.00	9,964,787.11	10,477,728.76
4470155	Marginal Explicit Losses	34.33	34.33	8,291.08	7,614.82
4470167	MISO FTR Revenues OSS	(461.81)	(457.30)	2,882.11	3,579.78
4470168	Interest Rate Swaps-Power	(3,946.34)	(11,103.69)	(31,851.08)	(35,412.43)
4470169	Capacity Sales Trading	8,801.63	26,533.45	(24,160.92)	(39,397.10)
4470170	Non-ECR Auction Sales-OSS	985,459.32	3,152,673.44	16,874,018.31	16,874,018.31
4470174	PJM Whise FTR Rev - OSS	32,045.48	3,270.95	18,890.11	18,890.11
4470202	PJM OpRes-LSE-Credit	76,501.72	300,680.21	2,456,207.21	2,609,244.80
4470203	PJM OpRes-LSE-Charge	(168,771.89)	(561,374.36)	(3,008,255.42)	(3,192,088.95)
4470204	PJM Spinning-Credit	234.18	234.18	79,428.90	79,428.90
4470205	PJM Spinning-Charge	(46.30)	(46.30)	(13,438.41)	(13,438.41)
4470206	PJM Trans loss credits-OSS	8,679.65	115,826.84	990,341.82	1,060,198.93
4470207	PJM trans loss charges - LSE	(878,478.31)	(2,452,060.86)	(11,724,157.02)	(13,377,375.40)
4470208	PJM Transm loss credits-LSE	315,493.93	1,036,151.32	6,163,406.97	7,258,659.56
4470209	PJM transm loss charges-OSS	(107,927.33)	(332,251.58)	(1,796,588.46)	(1,903,072.37)
4470210	PJM ML OSS 3 Pct Rev	0.00	0.00	0.00	(686,939.26)
4470211	PJM ML OSS 3 Pct Fuel	0.00	0.00	0.00	(139,427.12)
4470212	PJM ML OSS 3 Pct NonFuel	0.00	0.00	0.00	44,303.26
4470214	PJM 30m Suppl Reserve CR OSS	127.92	(21,172.16)	51,168.56	(12,883.05)
4470215	PJM 30m Suppl Reserve CH OSS	(16.85)	(1,766.56)	(12,883.05)	(278,768.24)
4470216	PJM Explicit Loss not in ECR	(712.38)	33,974.55	(188,437.65)	83,727,636.24
	SALES FOR RESALE-NONAFFILIATED	5,885,619.43	17,920,382.55	77,155,210.11	
4470001	Sales for Resale - Assoc Cos	(12,771.06)	(46,303.23)	(123,023.53)	(146,058.25)
4470035	Sls for Rsl - Fuel Rev - Assoc	40,210.52	142,407.38	416,723.10	474,500.24
4470128	Sales for Res-Aff. Pool Energy	4,069,205.94	12,807,172.94	58,148,100.94	61,027,338.94
	SALES FOR RESALE-AFFILIATED CO	4,096,646.40	12,903,277.09	58,441,800.51	61,356,780.94
	TOTAL SALES FOR RESALE	9,982,264.83	30,823,659.64	135,597,010.62	146,083,317.17
	TOTAL SALES OF ELECTRICITY	48,313,239.12	134,338,218.51	581,231,149.65	643,542,242.83
4491003	Prov Rate Refund - Retail	0.00	0.00	0.00	(12,698,791.46)
	PROVISION FOR RATE REFUND	0.00	0.00	0.00	(12,698,791.46)
	TOTAL SLS OF ELECT AFT RFD PROV	48,313,239.12	134,338,218.51	581,231,149.65	630,843,451.37
	OTHER OPERATING REVENUE				
4560007	Oth Elec Rev - DSM Program	71,274.74	211,699.29	1,111,578.49	1,181,932.33
4560012	Oth Elec Rev - Nonaffiliated	(208.72)	2,633.61	(33,826.27)	(44,208.07)
4560013	Oth Elec Rev-Trans-Nonaffil	0.00	0.00	0.00	0.00
4560015	Other Electric Revenues - ABD	5,440.05	82,772.92	2,052,322.73	2,640,196.76
4560016	Financial Trading Rev-Unreal	18,273.57	(101,650.43)	95,644.22	165,816.85
4560041	Miscellaneous Revenue-NonAffil	0.00	(0.27)	0.66	0.56
4560049	Merch Generation Finan -Realizd	(9.38)	(25.44)	(85.38)	(84.54)
4560050	Oth Elec Rev-Coal Trd Rlzd G-L	55,157.74	202,972.62	871,664.90	823,239.42
4560058	PJM NITS Revenue-NonAff.	0.00	0.00	0.00	0.00
4560062	PJM TO Admin. Rev.-NonAff.	0.00	0.00	0.00	0.00
4560068	SECA Transmission Revenue	0.00	0.00	0.00	0.00
4560109	Interest Rate Swaps-Coal	(154.54)	(504.92)	(1,520.40)	(1,676.08)
4560111	MTM Aff GL Coal Trading	(18,273.57)	101,650.43	(95,644.22)	(165,816.85)
4560112	Realized GL Coal Trading-Affil	(20,694.19)	(68,197.91)	(249,849.15)	(249,849.15)
4561002	RTO Formation Cost Recovery	1,222.36	3,707.77	19,639.22	14,929.35
4561003	PJM Expansion Cost Recov	6,411.64	19,235.35	70,550.37	77,079.01
4561005	PJM Point to Point Trans Svc	58,875.90	173,875.14	810,638.03	926,516.32
4561006	PJM Trans Owner Admin Rev	11,315.02	34,198.19	140,121.51	156,444.60
4561007	PJM Network Integ Trans Svc	334,911.87	1,041,688.35	3,524,756.39	3,828,228.94
4561019	Oth Elec Rev Trans Non Affil	4,392.00	13,476.00	61,500.00	67,835.00
	OTHER ELECTRIC REVENUES	627,934.49	1,717,630.70	6,371,491.10	9,420,686.45

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Kentucky Power Company
Operating Revenues
November 30, 2009

GLR1110S

ACCOUNT NUMBER	DESCRIPTION	OPERATING REVENUES			
		ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
4540001	Rent From Elect Property - Af	20,568.21	61,704.63	226,250.31	247,491.91
4540002	Rent From Elect Property-NAC	317,819.79	963,858.37	3,952,759.36	4,429,110.05
4540004	Rent From Elect Prop-ABD-Nonaf	2,300.00	30,205.45	69,022.74	81,331.10
	RENT FROM ELEC PROPERTY	340,688.00	1,055,768.45	4,248,031.41	4,767,933.07
4500000	Forfeited Discounts	87,172.13	370,939.27	1,622,616.42	1,798,683.53
4510001	Misc Service Rev - Nonafnl	26,398.63	98,971.56	378,851.82	403,366.32
	MISC REVENUES	113,570.76	469,910.83	2,001,468.24	2,202,049.85
4118000	Gain Disposition of Allowances	0.00	0.00	0.00	0.00
4118002	Comp. Allow. Gains SO2	0.00	0.00	38,629.72	38,629.72
4118003	Comp. Allow. Gains-Seas NDCx	0.00	0.00	0.00	0.00
4119000	Loss Disposition of Allowances	0.00	0.00	0.00	0.00
	GAIN (LOSS) DISPOS ALLOWANCES	0.00	0.00	38,629.72	38,629.72
	TOTAL OTHER OPERATING REVENUE	982,193.25	3,243,309.98	14,669,620.47	16,419,188.09
	GROSS OPERATING REVENUES	49,296,432.37	137,681,628.49	595,890,770.12	659,861,440.82
	NET OPERATING REVENUES	49,296,432.37	137,681,628.49	595,890,770.12	647,262,649.46

Kentucky Po. Company
 Operating Expenses - Functional
 November 30, 2009

DESCRIPTION	ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
POWER PRODUCTION EXPENSES				
STEAM POWER GENERATION				187,764,508.99
FUEL	14,433,590.77	38,648,626.73	168,461,893.30	14,828,338.12
Operation - Other Than Fuel	1,535,098.53	3,716,264.75	12,858,259.73	202,590,847.11
Steam Power Operation	16,968,689.30	42,364,791.48	181,320,153.03	11,976,431.79
Steam Power Maintenance	1,353,782.39	3,102,274.96	10,010,965.66	214,567,278.90
TOTAL STEAM POWER GENERATION	17,322,471.69	45,467,066.44	191,331,118.69	
OTHER POWER GENERATION	0.00	0.00	0.00	0.00
OTHER POWER - OPERATION	0.00	0.00	0.00	0.00
OTHER POWER - MAINTENANCE	0.00	0.00	0.00	0.00
TOTAL OTHER POWER GENERATION				
OTHER POWER SUPPLY EXPENSES				
PURCHASED POWER	18,059,816.15	56,033,311.54	221,985,909.84	244,999,727.80
System Control & Load Dispatch	40,116.08	111,215.14	376,002.64	413,843.44
Other Expenses	222,775.19	668,622.42	2,474,367.44	2,776,168.54
TOTAL OTHER POWER SUPPLY EXPS	18,322,707.42	56,813,149.09	224,836,279.92	248,189,639.78
TOTAL POWER PROD EXPS-OPER	34,291,396.72	99,177,940.58	406,156,432.94	450,780,386.88
TOTAL POWER PROD EXPS-MAINT	1,353,782.39	3,102,274.96	10,010,965.66	11,876,431.79
TOTAL POWER PROD EXPENSES	35,645,179.11	102,280,215.54	416,167,398.60	462,766,818.67
TRANSMISSION EXPENSES				
Transmission - Operation	(226,133.33)	(825,402.64)	(3,961,965.81)	(3,504,333.58)
Transmission - Maintenance	303,312.10	771,834.15	2,911,981.28	3,103,760.19
TOTAL TRANSMISSION EXPENSES	77,178.77	(53,568.49)	(1,049,984.53)	(400,573.39)
REGIONAL MARKET EXPENSES				
REGIONAL MARKET OPERATION EXP	65,336.98	231,409.19	1,093,328.34	1,170,010.74
TOTAL REGIONAL MARKET EXPENSES	65,336.98	231,409.19	1,093,328.34	1,170,010.74
DISTRIBUTION EXPENSES				
DISTRIBUTION - OPERATION	549,059.03	1,810,398.49	6,352,040.07	7,925,199.89
DISTRIBUTION - MAINTENANCE	1,232,378.63	4,864,473.83	29,701,253.41	31,089,031.04
TOTAL DISTRIBUTION EXPENSES	1,781,437.66	6,674,872.32	35,053,293.48	39,014,230.93
TOTAL CUSTOMER ACCT EXPENSES	566,761.90	1,645,244.44	6,395,072.35	7,100,867.07
TOTAL CUST SERV&INFO EXPENSES	125,853.36	343,541.51	1,676,637.05	1,840,063.59
TOTAL SALES EXPENSES	0.00	0.00	76.80	76.80
ADMINISTRATIVE & GENERAL EXPS				
Admins & General - Operations	1,584,465.71	5,358,452.98	19,816,335.19	20,968,739.71
Admin & General - Maintenance	133,140.36	379,583.38	1,333,601.39	1,503,278.63
TOTAL ADMIN & GENERAL EXPS	1,717,626.07	5,738,036.36	21,149,936.58	22,472,018.24
TOTAL FACTORED ACCTS REC EXPS	166,868.03	515,234.87	2,156,910.51	2,460,549.69
TOTAL ACCRETION EXPENSE	0.00	0.00	1,274.82	1,274.82
(GAIN) LOSS				
GAINS FROM DISPOSAL OF UT PLT	(155.00)	(465.00)	(1,706.00)	(1,861.00)
LOSSES FROM DISP. OF UTIL PLT	0.00	0.00	0.00	(264,522.07)
TOTAL (GAIN) LOSS	(155.00)	(465.00)	(1,706.00)	(266,383.07)
TOTAL OPERATION EXPENSES	37,123,453.41	108,256,464.42	439,684,436.26	488,476,432.54
TOTAL MAINTENANCE EXPENSES	3,022,613.48	9,118,166.32	43,957,801.74	47,872,501.65
TOTAL OPERATION & MAINT EXPS	40,146,066.89	117,374,620.74	483,642,237.99	536,348,934.08

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Kentucky Power Company
Taxes Applicable To Operating Income
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GLR1170S

ACCOUNT NUMBER	DESCRIPTION	ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
OTHER TAXES-FEDERAL & STATE					
4081002	FICA	197,588.20	583,279.22	2,446,739.07	2,843,225.00
4081003	Federal Unemployment Tax	157.78	247.73	12,352.56	27,772.03
408100504	Real & Personal Property Taxes	0.00	0.00	0.00	31.22
408100505	Real & Personal Property Taxes	0.00	0.00	1,815.37	11,649.61
408100508	Real & Personal Property Taxes	0.00	0.00	(11,187.35)	60,935.32
408100507	Real & Personal Property Taxes	0.00	1,797.57	656,472.07	1,516,646.07
408100508	Real & Personal Property Taxes	750,094.00	2,251,324.34	7,965,846.34	7,966,047.16
408100509	Real & Personal Property Taxes	197.45	198.37	198.37	198.37
408100607	State Gross Receipts Tax	0.00	0.00	0.00	0.00
408100608	State Gross Receipts Tax	0.00	0.00	(16,746.00)	(6,746.00)
408100609	State Gross Receipts Tax	36,006.00	65,840.00	209,238.00	209,238.00
4081007	State Unemployment Tax	216.52	340.84	26,273.39	40,499.52
408100807	State Franchise Taxes	0.00	0.00	0.00	0.00
408100808	State Franchise Taxes	(5,069.00)	(5,069.00)	(5,069.00)	(53,069.00)
408100809	State Franchise Taxes	0.00	6,700.00	71,500.00	71,500.00
408101407	Federal Excise Taxes	0.00	0.00	0.00	0.00
408101408	Federal Excise Taxes	0.00	0.00	0.00	0.00
408101409	Federal Excise Taxes	0.00	3,666.08	4,262.08	4,262.08
408101708	St Lic/Rgstrtion Tax/Fees	0.00	0.00	0.00	0.00
408101709	St Lic/Rgstrtion Tax/Fees	0.00	55.00	210.00	210.00
408101807	St Publ Serv Comm Tax/Fees	0.00	0.00	0.00	0.00
408101808	St Publ Serv Comm Tax/Fees	0.00	0.00	335,182.84	391,046.64
408101809	St Publ Serv Comm Tax/Fees	62,479.56	187,438.68	312,997.80	312,397.80
408101900	State Sales and Use Taxes	0.00	0.00	(840,600.00)	(840,600.00)
408101907	State Sales and Use Taxes	0.00	0.00	0.00	0.00
408101908	State Sales and Use Taxes	0.00	0.00	243,282.02	244,984.20
408101909	State Sales and Use Taxes	924.65	3,216.21	13,978.48	13,978.48
408102208	Municipal License Fees	0.00	0.00	0.00	0.00
408102209	Municipal License Fees	0.00	0.00	100.00	100.00
408102906	Real/Pers Prop Tax-Cap Leases	0.00	0.00	0.00	134.82
408102907	Real/Pers Prop Tax-Cap Leases	0.00	0.00	103.72	2,146.81
408102908	Real/Pers Prop Tax-Cap Leases	0.00	671.26	81.13	3,024.13
408102909	Real/Pers Prop Tax-Cap Leases	2,750.00	20,379.43	42,379.43	42,379.43
4081033	Fringe Benefit Loading - FICA	(85,604.13)	(233,303.07)	(948,962.09)	(1,049,560.93)
4081034	Fringe Benefit Loading - FUT	(963.34)	(2,772.11)	(10,420.42)	(11,377.25)
4081035	Fringe Benefit Loading - SUT	(883.34)	(2,772.11)	(11,198.57)	(12,155.37)
408103606	Real Prop Tax-Cap Leases	0.00	0.00	0.00	0.00
408103607	Real Prop Tax-Cap Leases	0.00	0.00	0.00	0.00
408103608	Real Prop Tax-Cap Leases	0.00	0.00	(864.43)	133.57
408103609	Real Prop Tax-Cap Leases	1,002.00	3,006.00	11,022.00	11,022.00
	TOTAL OTHER TAXES-FED & STATE	960,816.35	2,866,464.44	10,708,376.80	11,800,033.72
STATE, LOCAL & FOREIGN INC TAX					
409100200	Income Taxes, UOI - State	0.00	0.00	0.00	37,246.00
409100207	Income Taxes, UOI - State	0.00	0.00	0.00	0.00
409100208	Income Taxes, UOI - State	(546,981.10)	(546,881.10)	(546,981.10)	(140,587.47)
409100209	Income Taxes, UOI - State	(860,878.95)	(2,646,625.10)	(2,264,496.43)	(2,264,496.43)
	TOTAL ST, LOC & FOR INC TAXES	(1,397,860.05)	(3,193,606.20)	(2,811,477.53)	(2,367,837.90)
FEDERAL INCOME TAXES					
4091001	Income Taxes, UOI - Federal	(8,303,588.04)	(21,302,571.15)	(23,794,706.33)	(21,685,459.56)
4101001	Prov Def I/T Util Op Inc-Fed	32,803,393.08	51,668,514.49	66,208,934.70	83,606,940.87
4111001	Prv Def I/T-Cr Util Op Inc-Fed	(22,466,575.75)	(28,978,847.17)	(52,948,957.74)	(65,740,480.48)
4114001	ITC Adj, Utility Oper - Fed	(68,496.00)	(205,488.00)	(753,456.00)	(815,588.00)
	TOTAL FEDERAL INCOME TAXES	1,974,733.27	1,381,608.17	10,709,814.63	5,366,402.83
	TOTAL TAXES APPLIC TO OPER INC	1,637,689.57	1,074,466.41	18,606,713.90	14,797,598.65

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Kentucky Power Company
Taxes Applicable to Other Income & Deductions
November 30, 2009

GLR1210S

ACCOUNT NUMBER	DESCRIPTION	ONE MONTH ENDED November 30, 2009	THREE MONTHS ENDED November 30, 2009	YEAR TO DATE November 30, 2009	TWELVE MONTHS ENDED November 30, 2009
	TAXES OTHER THAN INC TAX				
408200508	Real & Personal Property Taxes	4,583.00	13,749.00	50,413.00	50,413.00
	TOTAL TAXES OTHER THAN INC TAX	4,583.00	13,749.00	50,413.00	50,413.00
	FEDERAL INC TAXES - OI&D				
4092001	Inc Tax, Oth Inc&Ded-Federal	(11,671.90)	154,043.56	313,554.22	(153,026.07)
4102001	Prov Def I/T Oth I&D - Federal	67,278.40	126,432.25	188,717.55	189,371.70
4112001	Prv Def I/T-Cr Oth I&D-Fed	(121,766.47)	(156,833.20)	(491,155.34)	(1,031,942.20)
	TOTAL FEDERAL INC TAXES - OI&D	(66,159.97)	123,642.61	11,116.43	(995,596.57)
	STATE INC TAXES - OI&D				
409200207	Inc Tax, Oth Inc & Ded - State	0.00	0.00	0.00	0.00
409200208	Inc Tax, Oth Inc & Ded - State	(5,460.84)	(5,460.84)	(5,460.84)	(77,951.67)
409200209	Inc Tax, Oth Inc & Ded - State	5,326.63	29,166.30	52,113.35	52,113.35
	TOTAL STATE INC TAXES - OI&D	(134.21)	23,705.46	46,652.51	(25,838.32)
	LOCAL INC TAXES - OI&D				
	TOTAL LOCAL INC TAXES - OI&D	0.00	0.00	0.00	0.00
	FOREIGN INC TAXES - OI&D				
	TOTAL FOREIGN INC TAXES - OI&D	0.00	0.00	0.00	0.00
	TOTAL TAXES APPLICABLE TO OI&D	(61,711.18)	161,097.07	108,181.94	(971,021.89)

KENTUCKY POWER COMPANY
 DETAIL OF ELECTRIC UTILITY PROPERTY
 YEAR TO DATE - November, 2009

GLR7210V		BEGINNING BALANCE	ADDITIONS	ORIGINAL COST RETIREMENTS	ADJUSTMENTS	TRANSFERS	ENDING BALANCE
UTILITY PLANT							
		539,735,067.68	17,058,245.33	(6,271,661.59)	0.00	0.00	550,521,651.42
101/106	GENERATION						
	TOTAL PRODUCTION	539,735,067.68	17,058,245.33	(6,271,661.59)	0.00	0.00	550,521,651.42
101/106	TRANSMISSION	434,088,242.24	6,919,109.70	(1,123,054.28)	0.00	114,245.38	439,998,643.04
101/106	DISTRIBUTION	569,830,919.67	47,555,900.46	(15,097,207.70)	0.00	(121,165.36)	602,268,447.27
	TOTAL (ACCOUNTS 101 & 106)	1,543,764,229.79	71,533,255.49	(22,491,923.55)	0.00	(6,920.00)	1,592,788,541.73
1011001/12	CAPITAL LEASES	3,974,273.08	0.00	0.00	(125,327.10)	0.00	3,848,945.98
102	ELECTRIC PLT PURCHASED OR SOLD	0.00	0.00	0.00	0.00	0.00	0.00
1140001	ELECTRIC PLANT ACQUISITION	0.00	0.00	0.00	0.00	0.00	0.00
	TOTAL ELECTRIC PLANT IN SERVICE	1,647,720,602.87	71,633,265.49	(22,491,923.66)	(125,327.10)	(6,920.00)	1,598,637,597.71
1050001	PLANT HELD FOR FUTURE USE	6,808,947.00	627,603.73	0.00	0.00	0.00	7,436,550.73
107000X	CONSTRUCTION WORK IN PROGRESS:						
107000X	BEG. BAL.	46,649,955.00	52,648,859.28				27,037,955.07
107000X	ADDITIONS		(72,160,859.22)				
107000X	TRANSFERS		(19,611,989.94)				
107000X	END. BAL.						
	TOTAL ELECTRIC UTILITY PLANT	1,601,187,404.88	52,648,859.28	(22,491,923.55)	(125,327.10)	(6,920.00)	1,631,112,093.61
NONUTILITY PLANT							
1210001	NONUTILITY PROPERTY-OWNED	957,608.00	0.00	0.00	0.00	6,920.00	964,528.00
1210002	NONUTILITY PROPERTY-LEASED	0.00	0.00	0.00	0.00	0.00	0.00
1240025-29	OTHER INVESTMENTS	4,533,569.90	0.00	0.00	0.00	0.00	4,533,669.90
	TOTAL NONUTILITY PLANT	6,491,177.90	0.00	0.00	0.00	6,920.00	6,498,097.90

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KENTUCKY POWER COMPANY
 ACCUMULATED PROVISION FOR DEPRECIATION, AMORTIZATION, & DEPLETION
 YEAR TO DATE - November, 2009

GLR7410V

	BEGINNING BALANCE	PROVISION TO DATE	ORIGINAL COST	NET REM/ SALV COST	TRANSFER/ ADJUSTMENTS	ENDING BALANCE
<u>UTILITY PLANT</u>						
					0.00	
1080001/11 NUCLEAR OTHER					0.00	
1080009/10 DECOMMISSIONING COSTS					0.00	
TOTAL NUCLEAR					0.00	229,222,965.86
1080001/11 PRODUCTION	219,108,218.88	18,308,371.31	(3,916,011.64)	(4,277,712.67)	24,551.87	140,784,324.70
1080001/11 TRANSMISSION	134,601,519.47	6,797,460.82	(779,011.35)	149,803.89	(24,551.67)	147,121,938.89
1080001/11 DISTRIBUTION	141,175,268.94	18,378,358.87	(10,538,143.03)	(1,870,992.02)		
1080013 PRODUCTION	(1,110,971.24)	0.00	0.00	0.00	(413,994.16)	(1,524,965.40)
1080013 TRANSMISSION	0.00	0.00	0.00	0.00	0.00	0.00
1080013 DISTRIBUTION	0.00	0.00	0.00	0.00	0.00	0.00
1080013 RETIREMENT WORK IN PROGRESS	(7,935,558.47)	0.00	0.00	(1,711,930.42)	5,988,900.80	(3,648,588.09)
TOTAL (108X accounts)	466,838,476.57	43,484,191.00	(16,231,166.02)	(7,710,831.22)	6,584,908.64	611,965,676.97
					0.00	9,402,067.63
1110001 NUCLEAR PRODUCTION	9,657,880.47	2,099,837.01	(2,355,849.95)	0.00	0.00	1,260,262.33
1110001 TRANSMISSION	1,217,570.30	385,734.94	(344,042.91)	0.00	0.00	6,332,377.53
1110001 DISTRIBUTION	9,398,074.11	1,496,368.09	(4,581,084.67)	0.00	0.00	
TOTAL (111X accounts)	20,273,524.88	3,981,940.04	(7,280,767.53)	0.00	0.00	16,984,707.39
1011005 CAPITAL LEASES	2,152,342.07	0.00	0.00	0.00	(176,310.78)	1,976,031.29
1150001 ACQUISITION ADJUSTMENT AMORT	0.00	0.00	0.00	0.00	0.00	0.00
TOTAL ACCUM DEPR & AMORT.	608,264,342.62	47,466,131.04	(22,491,923.65)	(7,710,831.22)	5,408,696.86	630,936,314.66
<u>NONUTILITY PLANT</u>						
1220001 Depr&Amrt of Nonutil Prop-Ownd	181,607.15	6,113.91	0.00	0.00	0.00	187,721.06
1220003 Depr&Amrt of Nonutil Prop-WIP	(4,053.89)	0.00	0.00	0.00	4,053.89	0.00
TOTAL NONUTILITY PLANT	177,553.26	6,113.91	0.00	0.00	4,053.89	187,721.06

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Kentucky Power Company

REQUEST

List all present or proposed research efforts dealing with the pricing of electricity and the current status of such efforts.

RESPONSE

In Spring 2009, Indiana Michigan Power Company deployed smart metering to nearly 10,000 customers in South Bend, IN. This smart metering pilot project involves installation of GE smart meters and a communications network from Silver Springs Network. Customers in the pilot area were eligible for an optional time-of-use rate and a direct load control program. The pilot is still in progress and will continue through March 31, 2011. Kentucky's proposed tariffs Experimental Residential Service Time-of-Day 2 and Experimental Small General Service Time-of-Day Service were based on research initially done for the Indiana smart metering pilot.

In late 2009, AEP Ohio was awarded federal stimulus funds in addition to the funding approved by the Public Utilities Commission of Ohio for the gridSMARTSM Demonstration Project. The project is in its very early stages and will include installation of approximately 110,000 advanced electricity meters and a number of experimental tariff/pricing services that are in the early stages of development and will be rolled out in 2010 and 2011.

WITNESS: David M Roush

Kentucky Power Company

REQUEST

Provide a schedule reflecting the salaries and other compensation of each executive officer for the test year and two preceding calendar years. Include the percentage annual increase and the effective date of each increase, the job title, duty and responsibility of each officer, the number of employees who report to each executive officer, and to whom each executive officer reports. Also, for employees elected to executive officer status during the test year, provide the salaries, for the test year, for those persons whom they replaced.

RESPONSE

Attached is a schedule reflecting the salaries of each executive officer of KPCo for the test year and the two preceding calendar years. Included in the schedule are all KPCo officers who are employees of AEPSC with the title of executive Vice President and above along with the President of KPCo. In addition attached is a separate schedule outlining other compensation for this same group.

Included in the test year is approximately 3.6% of the salaries and other compensation for the executive officers of KPCo who are employees of AEP. All of Mr. Mosher's salary and benefits are included in the test year.

WITNESS: Timothy C Mosher

EMPLID	NAME	Title	ReportsTo	Number Of Reports	Salary 12/31/2007	Bonus 2007	Long Term Incentive		Increase Pct 2007	Salary 12/31/2008		Long Term Incentive		Increase Pct 2008	Salary 9/30/2009	Bonus Test Year	Increase Date Test Year	Increase Pct Test Year	Long Term Incentive Test Year	Payout Test Year
							Payout 2007	Increase Date 2007		Payout 2008	Increase Date 2008									
1005191	Akins,Nicholas K	EVP Generation	Morris,Michael G	8,738	340,000	200,000	9,931	None	None	450,000	250,000	32,241	1/1/2008 / 7/1/2008	25% / 5.9%	450,000	340,000	None	None	None	19,098
9103341	English,Carl L	Chief Operating Officer	Morris,Michael G	10,114	510,000	510,000	N/A	1/1/2007	2%	550,000	400,000	141,093	1/1/2008	7.843%	550,000	450,000	None	None	None	1,435,958
9103167	Keane,John B	EVP General Counsel&Secretary	Morris,Michael G	101	430,000	375,000	N/A	1/1/2007	7.5%	475,000	375,000	75,552	1/1/2008	6.977%	475,000	350,000	None	None	None	840,978
4212665	Koeppel,Holly K	EVP - CFO	Morris,Michael G	501	450,000	415,000	66,084	1/1/2007	2.27%	500,000	400,000	1,749,695	1/1/2008	11.111%	500,000	450,000	None	None	None	779,687
9102422	Morris,Michael G	Chairman, President & CEO	Board	21,479	1,200,000	2,200,000	342,408	None	None	1,250,000	1,800,000	12,379,919	1/1/2008	4.167%	1,250,000	1,654,071	None	None	None	5,528,756
4214361	Mosher,Timothy C	President & COO - KY	Tierney,Brian X	237	209,000	100,500	8,652	1/1/2007	4.5%	220,000	145,600	17,454	1/1/2008	5.263%	220,000	121,000	None	None	None	49,867
4215336	Powers,Robert P	President AEP Utilities	English,Carl L	9,613	490,000	431,200	65,816	1/1/2007	3.158%	510,000	400,000	1,856,988	1/1/2008	4.082%	510,000	415,000	None	None	None	1,025,684
4200341	Tierney,Brian X	EVP-AEP Utilites East	Powers,Robert P	3,365	357,000	800,000	29,032	1/1/2007	3.478%	400,000	725,000	784,061	1/1/2008	12.045%	400,000	665,000	None	None	None	379,003
4203589	Tomasky,Susan	President AEP Transmission	Morris,Michael G	1,918	500,000	450,000	66,410	None	None	510,000	425,000	156,445	1/1/2008	2%	510,000	400,000	None	None	None	1,374,667
9105046	Welch,Dennis E	EVP Env,Safety,Hlth&Facilities	English,Carl L	406	315,000	200,000	N/A	1/1/2007	10.526%	350,000	275,000	43,756	1/1/2008	11.111%	350,000	235,000	None	None	None	401,760

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**Other Compensation - LTI Awards
Performance Unit Grants**

Name	2006	2007	2008	2009
Mike Morris	135,000	130,000	125,000	175,000
Carl English	34,440	19,560	44,840	61,420
Bob Powers	24,600	19,560	29,320	40,330
Susan Tomasky	32,970	19,560	26,610	40,580
Brian Tierney	9,090	7,820	17,140	28,510
Holly Koeppel	18,700	19,560	28,090	43,870
Tim Mosher	5,980	3,910	4,140	5,040
Dennis Welch	9,840	8,800	10,080	13,160
Jack Keane	20,170	19,560	19,210	30,710
Nick Akins	7,110	10,760	19,210	28,510

Kentucky Power Company

REQUEST

Provide an analysis of Kentucky Power's expenses for research and development activities for the test year and the three preceding calendar years. For the test year include the following:

- a. Basis of fees paid to research organizations and Kentucky Power's portion of the total revenue of each organization. Where the contribution is monthly, provide the current rate and the effective date.
- b. Details of the research activities conducted by each organization.
- c. Details of services and other benefits provided to the company by each organization during the test year and the preceding calendar year.
- d. Total expenditures of each organization including the basic nature of costs incurred by the organization.
- e. Details of the expected benefits to the company.

RESPONSE

Attached at pages 2 through 82 is the Company's response for the calendar years 2006 through 2008 and the test year.

WITNESS: Ranie K Wohnhas

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDCP560101	\$338,757	\$16,193	Corporate Technology Prog Mgmt	Coordination of AEP's: 1) Corporate Technology program and 2) Support the Corporate Technology Council
RDDA400101	\$1,157	\$82	Disturbance System Analysis	This project utilizes data collected from the existing AEP-EPRI Distribution Power Quality and Reliability Bench Marking project and the future Disturbance Monitoring Project as well as data which will be made available from the Fast Fault Detector Project
RDDA400801	\$129	\$0	Premium Power Park - Phase 3	Investigate and demonstrate interaction between different technologies and medium voltage power quality (PQ) equipment, commercially available by different manufacturers, on a typical distribution system. AEP, as host utility, will purchase and install the
RDDA560001	\$729,877	\$33,779	Coordination of AEP's:	Provide for the management of the Advanced Distribution R&D program
				<p>The Distribution projects from the EPRI Annual Research Portfolio include:</p> <p>1) PS1A - T&D PQ and Reliability: This program works to enhance T&D power quality and reliability to meet the increasingly diversified requirements of a competitive energy marketplace, including changing regulations and open-access requirements. Project set funders will gain specific guidance and tools to maximize their T&D asset utilization and enhance their grid power quality and reliability. Purchase only Project 1.001, Managing Reliability and PQ through Design and Operation of T&D Systems.</p> <p>2) PS1B - PQ and Reliability Monitoring System & Applications: This program provides state-of-the-art, knowledge-based tool, testing, and measurement technologies necessary to monitor, diagnose, understand, and prevent PQ disturbances throughout the entire electrical power system. Project set funders will be well equipped to pursue operational power system excellence from transmission through end-use customer loads.</p> <p>3) PS1C - Analysis Tools for PQ and Reliability: In 1998, EPRI released the first version of the Power Quality Diagnostic System (PQDS), a compilation of tools that allowed PQ engineers to perform basic power quality analyses such as harmonics analysis, voltage sags simulations, and motor-starting calculations. In 2003, EPRI upgraded the PQDS economic assessment modules. The 2006 program provides updates of existing PQDS modules as well as new modules. Funders will also receive simulation and analysis support on other industry products, such as EMTP.</p> <p>4) Manhole Event Risk Management Strategies: A number of utilities continue to experience gas-related explosions in underground structures such as manholes, service boxes, and vaults. Two root causes are needed for an event to occur: the buildup of explosive or combustible gases and the presence of an ignition source. These events can occur unexpectedly and can involve numerous explosions in adjacent structures. The financial and political consequences of such events can be significant.</p> <p>Explosions and related events in underground structures are rare, involving fewer than 1% of underground structures, and range from "smokers" with little effect, to "flyers" with very serious collateral damage, injury, and even death. Many causal factors are involved, and multiple events are possible. Predictability is very difficult. Damage can range from fire or smoke damage in "smokers" to collateral damage to external facilities or personal injury from flying manhole or vault covers in "flyers."</p> <p>In 1991, a utility experienced a fatal event. In 1995, Underwriters Laboratories (UL) issued a milestone report detailing the composition of evolved gases. A test facility was built in Lenox, Massachusetts, in 1994 with EPRI and Consolidated Edison (ConEd) co-funding. At some utilities approximately 1% of underground structures are involved in an event each year; with fewer than 0.01% involving collateral damage.</p>

2006

Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA560101	\$38,995	\$1,656	Dist EPRI Annual Research Port	<p>During 1996-1998, milestone tests, funded by ConEd and EPRI, were conducted in Lenox involving "standard gas explosions" and mitigation approaches. Recently, many utilities have reported major events. No utility is immune from the prospect of underground explosions! EPRI's approach has taken several paths: research, construction of test facilities, and various workshops and rapid response meetings following manhole events. The research has been broad-based, involving full-scale tests, analytical studies, and computer modeling. Research topics have included: explosion characteristics, electrical (fault) vs. gas explosions, type and composition of gases involved, explosion mitigation, cover restraints, cover design, root causes, and environmental factors. EPRI has also tapped into information and technologies in other industries that operate underground systems and may experience similar problems.</p>
				<p>5) Power Quality Knowledge-Based Services program comprises an array of resources and tools. At the core of the program is a customer hotline offering round-the-clock power quality technical support. Complementing the hotline are the following:</p> <ul style="list-style-type: none"> • Five electronically distributed newsletters which regularly provide the latest information on power quality business, technical trends, educational opportunities, and project updates • A detailed EPRI PQ Encyclopedia, a definitive reference and training tool for power quality • Continued enhancement of the highly valued PQ case study library to supply customers with an essential and productivity-improving resource • Access to the PQ Hotline for best-in-class problem-solving resources • The PQ Hotline Database, an unparalleled archive of a range of solutions and industry experience
				<p>6) Market-Driven Demand Response: The prospect of a shortfall in electricity supply is looming in many parts of the country. An important approach to this potential crisis is demand response (DR) – involving the customer in the decision to reduce load in response to price signals from distribution utilities or system operators. While this is a logical approach in theory, it involves a completely new way of interacting with customers and requires wisdom, insight, and flexibility to make real. Two required essentials of delivering an effective DR effort are a strategy for reaching and relating to customers, and an understanding of which technologies are appropriate to the situation and how best to deploy them. EPRI's Demand Response Applications Service (DR Application Service) is a subscription-based program that offers information, tools and consulting to help you understand the calculus of DR, how to position yourself with respect to your customers, and how to develop and deliver successful DR programs.</p>
RDDA560201	\$83,243	\$3,849	CEA Membership & Projects	<p>The CEA is a collaborative of companies that propose and fund research topic. These topics can range from asset management to automation. The purpose of this project is to allocate funding for topics of interest within the Distribution organization.</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA560301	\$240,545	\$10,976	NEETRAC Membership	<p>The National Electric Energy, Testing, Research, and Applications Center (NEETRAC) was established in 1996 by the Georgia Tech Research Corporation (GTRC), a cooperative organization of the Georgia Institute of Technology. It is supported by a membership consisting of utility and industrial companies. The purpose of NEETRAC is research, development and testing in areas of interest to the membership and is funded by the Research and Development Baseline Budget from dues collected from that membership. The project selection generally is of a scope that is sufficiently broad as to be attractive to several Members, who are interested in sharing the resulting intellectual property. NEETRAC membership includes both collaborative and directed funding research. AEP's strategy is for NEEETRAC to complement the Dolan Technology Center's (DTC) capabilities through research in such areas as cable life extension and other research or testing areas that the DTC is not directly involved in.</p> <p>AEP will be joining NEETRAC as a Corporate – Charter Member with voting rights on the selection and prioritization of projects. NEETRAC is a non-profit corporation.</p>
RDDA560501	\$28,251	\$1,315	Gridwise Membership	<p>The GridWise™ Alliance is a consortium of public and private stakeholders who have joined together in a collaborative effort to provide real-world technology solutions to support the U.S. Department of Energy's vision of a transformed national electric system. An electric system that will employ new distributed "plug and play" technologies using advanced telecommunications, information and control approaches to create a society of devices that functions as an integrated trans-active system.</p> <p>The goal, by 2015, is to demonstrate a smart, automated network of distributed utilities to achieve a 10% peak load reduction through improved asset utilization and demand/load management, building on the backbone of an open but secure distribution system architecture, under the industry-supported GridWise framework, that is also responsive to providing customer choice in electricity costs vs. values, as well as infrastructure security against all disturbance events.</p>
RDDA560601	\$95,124	\$4,417	Enhanced Distrib Sys Monitorin	<p>The purpose of this project is to test and evaluate a low cost, long range wireless mesh communications system for distribution asset monitoring. In this project, several technologies within the system will be tested as to their flexibility and capability to monitor and transfer information along a distribution circuit. The first technology to be tested will be Aerocomm's wireless frequency hopping spread-spectrum radios. The second technology will be the "mesh" algorithms and networking protocols developed at DTC. In addition; other embedded hardware platforms will also be evaluated.</p>
RDDA560701	\$22,272	\$1,031	Cutout Inspection Tool	<p>The ultimate goal of this project is to develop a tool that can be used by linemen to asses the condition of porcelain cutouts. The tool must be safely usable on energized equipment. It must provide a simple pass/fail indication with a high level of certainty in its result. The use of the tool must also be significantly easier and faster than the replacement of a cutout.</p>
RDDA560801	\$18,746	\$871	Automated Fault Detection Sys	<p>The goal of this project is to develop a tool that can be used by distribution engineering and dispatch to help determine the location of a fault. It will provide measurements of voltage and current as specified by distribution requirements. The devices will relay their data to a central server when triggered by a transient or upon request by a user. The data will be provided in an easily accessible format to interested parties within distribution.</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA560901	\$149,495	\$6,952	Porcelain Cutout Failures Inv	In reaction to increasing field reports as well as supported by the increasing number of annual Distribution System outages reported as cutout related, in the AEP Outage Management System, AEP is proposing to fund an independent non bias investigation into porcelain cutout breakage that will be considering mechanical, electrical and thermal environment of cutouts in operation, investigate materials and physical design on a fundamental macroscopic, microscopic and chemical level to determine root cause(s) of the cutout failures.
RDDR560001	\$339,699	\$15,763	Distributed Energy Resources P	Provide program management for the Distributed Energy Resources R&D program
RDDR560101	\$59,378	\$2,752	DR EPRI Annual Research Portfo	The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes: 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information – event and technology evaluations – that is expected to be useful for the strategic planning of our DER programs.
RDDR560201	\$144,452	\$6,729	CERTS Micro-grid Test Bed	To demonstrate, evaluate and document operation and performance of the CERTS Micro-grid Concept, which was successfully bench-tested on the University of Wisconsin's micro-grid emulator. This is the first full-scale demonstration of an inverter-based micro-grid, consisting of multiple micro-sources and loads. The CEC/CERTS Micro-grid Project Team plans to construct a test bed at AEP's Walnut Test Facility, conduct tests, analyze results and report a full range of tests under a variety of controlled conditions. CEC/CERTS arranged for three 60 kW micro-sources with inverters to be provided from TeCogen Inc. and delivered to the test bed site. Northern Power System (NPS) and the University of Wisconsin designed the test bed and tested the protection strategy. NPS is to provide and deliver protection equipment, switchgear and load/fault cabinets to the test bed site which will be assembled according to the test bed design. In addition, both DAS and EMS computers and software are to be provided from NPS to capture and record data during tests on the test bed. Once the test bed is assembled and commissioned for operation, a full-range of tests will be conducted, according to a pre-approved test plan, by the CERTS Micro-grid Test Team.
RDDR560301	(\$406,235)	(\$18,696)	PCS Development	Modeling and design of a novel approach to reduce the cost of developing a power conversion system (PCS) for Distributed Energy Resources (DER). The project discusses various aspects of the design including inverter topology, power, control and power supply circuit designs, switching and protection equipment and thermal considerations. The critical objective of this PCS design is to reduce cost through modularity, novel thermal and packaging concepts and use of a low loss inverter technology.
RDDR560401	\$3,878	\$179	Rolls-Royce 1MW SOFC Test&Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial, natural gas fueled, 1 MW SOFC system, utilizing our Walnut Test Facility. Participation provides "hands-on" experience with the technology. This enables AEP to proactively plan for the application and interconnection of the technology and its impact on the shaping the grid of the future.

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RDEM400501	\$272	\$0	Sandia Cost/Benefit Analysis	AEP is conducting under Subproject "NAS Demonstration", a two year demonstration of the capability of the Sodium Sulfur Energy Storage to address Power Quality and Peak Shaving at a commercial office facility located on the AEP System at Gahanna known as the 825 Bldg. In conjunction of that demonstration Sandia National Labs will perform an independent assessment of that unit to determine its performance and the cost/benefits of this technology. In conjunction with that project AEP has agreed under contract, to provide system data needed for Sandia National Labs to conduct that analysis.
RDEM500701	\$647	\$0	Supercap Development Administr	Capture administrative and legal support costs for Universal Supercapacitor Development. Lead company is EmTech.
RDES560001	\$176,228	\$7,836	Environ Science&Ctrls ProgMgmt	Provide funds for travel related to the Environmental Science and Controls program, and for small projects and investigations as needed.
RDES560101	\$892,079	\$37,757	EPRI Environmental Controls	<p>Environmental Controls projects from the EPRI Annual Research Portfolio include:</p> <p>1) Program 71 – Combustion Performance and NOx Control - AEP buys two projects from this program. Project 71.001, Mitigation of Fireside Corrosion and Waterwall Wastage in Low-NOx Systems, takes a three-pronged approach to understanding and resolving the costly consequences of accelerated fireside corrosion exacerbated by low-NOx operation, looking at coal quality, boiler design, and materials-based solutions. Purchase of this project also provides the opportunity to participate in the Waterwall Wastage Interest Group. Project 71.004, Coal and Airflow Measurement and Control, seeks integrated solutions for monitoring and controlling air/fuel ratios of individual burners to minimize NOx and LOI levels and optimize boiler efficiency without sacrificing unit capacity.</p> <p>2) Program 75 – Integrated Environmental Controls - This program helps power producers realize the savings promised by emerging integrated environmental controls. In the near term, the program will develop, refine, and demonstrate least-cost mercury controls for commonly used power plant designs, fuels, and air pollution controls. Over the medium term, EPRI will evaluate new integrated multipollutant processes (i.e., mercury plus criteria pollutants) as they are developed and refined. Our purchase in this program includes Project Set 75A, which provides technical evaluations of emerging technologies, and Project Set 75B, which develops improved, lower-cost controls to capture air toxics (primarily mercury) along with other pollutants. We do not purchase Project Set 75C, dealing with the capabilities of modern SO2 controls and their ability to support multipollutant control requirements.</p> <p>3) Program 76 – Particulate and Opacity Controls - This program provides least-cost solutions that help power plants meet particulate emissions and opacity limits in the face of changing ash loadings (e.g., due to NOx or mercury controls) or stricter limits. The approach is to conceive or identify promising new emissions control technologies and demonstrate them. These solutions address a variety of common issues, including high unburned carbon, reduced emission limits, loss of start-up/shutdown and upset exemptions, ESP deterioration (especially hot-side ESPs), and Compliance Assurance Monitoring (CAM) requirements.</p> <p>4) Program 77 – Continuous Emissions Monitoring - This program develops, enhances, and evaluates Continuous Emissions Monitors (CEMS) that measure particular chemical species of regulatory and operational interest. These systems will help power producers 1) comply with new reporting requirements (e.g., emissions of mercury from coal-fired units and CO at levels below 1 ppm in combustion turbines); 2) prepare to meet growing state requirements for continuous particulate mass monitors; and 3) optimize pollutant control equipment operation by more accurately measuring gas properties (e.g., SO3).</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES560201	\$4,124,794	\$174,608	EPRI Environmental Science	<p>Environmental Science projects from the EPRI Annual Research Portfolio include:</p> <p>1) Air Quality Programs - By providing credible scientific information and state-of-the-art assessment and management tools, EPRI's air quality programs support the development of effective and protective policies, standards, implementation plans, and compliance strategies. Programs within the Air Quality area include 42 – Air Toxics Health and Risk Assessment, 91 – Assessment Tools for Ozone, Particulate Matter and Haze, and 92 – Assessment of Air Quality Impacts on Health and the Environment.</p> <p>2) Global Climate Change Area - EPRI's global climate programs deliver essential information on the costs and benefits of policy options as well as on greenhouse gas reduction options to facilitate science-based policymaking and effective technical and business decision-making. Programs in the area include 102 – Global Climate Policy Costs and Benefits and 103 – Greenhouse Gas Reduction Options.</p> <p>3) Land and Groundwater Issues - EPRI's land and groundwater programs provide advanced science and technology for managing the chemical interactions between facilities and their surroundings, protecting natural and human environments, and returning previously contaminated sites to productive use. Programs include 49 – Groundwater Protection and Coal Combustion Products Management, 50 – MGP Site Management, 51 – Transmission and Distribution Soil and Water Issues, and 59 – Plant Multi-media Toxics Characterization (PISCES).</p> <p>4) Water and Ecosystems - Water, watershed, and ecosystems programs yield advanced scientific knowledge, sophisticated analytical tools, innovative methodologies and field-proven technologies for integrated management of water resources, energy facilities and natural ecosystems. Programs include 53 – Mercury, Metals and Organics in Aquatic Environments, 54 – Section 316(a) and 316(b) Fish Protection Issues, 55 – Watershed Management and Water Resource Sustainability, 56 – Integrated Facilities Water Management, 57 – Rights-of-way Environmental Issues in Siting, Development and Management, and 58 – Hydropower Environmental Issues.</p>
RDES560301	\$35	\$1	Climate Contingency Roadmap	<p>Continue the effort to provide greater understanding of the links between climate change and the electric sector that will be essential for making sound decisions about climate policy and compliance measures. In particular, look at the role of the electric sector in climate change, at the societal impacts of climate policy proposals, at the capabilities and costs of various emission reduction options, and at incentives for developing and deploying climate-related technologies.</p>
RDES560501	\$40,016	\$2,468	Ash Pond SCR Ammonia Mitigatio	<p>To monitor the effect of power plant inputs on ash pond water quality and determine the effects on pollutant assimilation and pond treatment efficiency. Specific studies to encourage the maximum ammonia mitigation potential of the Amos fly ash pond will continue. Efforts will be made to optimize pond characteristics and nutrient levels to achieve the best ammonia reductions through algal assimilation and bacterial nitrification. Novel approaches exist to sequester selenium, mercury, and other metals into ash sediments. Several strategies will be tested at AEP sites and a guidance manual, "Integrated Ash Pond Management," will be developed.</p>

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RDES560601	\$705,539	\$12,756	Ohio River Ecological Research	The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Eleven companies, representing 17 facilities, are participating in this innovative, multi-facility, program. Participation in the program will result in the development of in-river fish assemblage and population data along with the simultaneous collection of impingement data. Such a database has never before existed and will permit the analysis of the relationship between fish impingement rates and intake structure design characteristics.
RDES560801	\$2,469	\$72	Water Environment Research Fd	Implement benefits of membership in the Water Environment Research Foundation for the following purposes: 1. Development of scientifically sound, flexible water quality standards at the state and federal level. 2. Minimize Company liability by preventing the unnecessary (or scientifically unsound) listing of facility waterbodies on state Total Maximum Daily Loading (TMDL) lists. 3. Maximize wastewater permit compliance and minimize risk of installing costly treatment capital Note: This benefits all generation, including Nuclear and Hydro
RDES560901	\$23,466	\$911	EMF Health & RF Safety	Perform and assess research on EMF health effects, including contact currents and selection bias as possible explanations for a reported association between magnetic fields and childhood leukemia. Enhance analytical tools for the calculation of electric and magnetic fields.
RDES561101	\$1,259,142	\$53,989	General Mercury Science & Tech	To better prepare AEP for compliance with the Clean Air Mercury Rule and other regulations on emissions of mercury by characterizing mercury emissions from various configurations of plant equipment and coal types, examining the effect of environmental controls on mercury emissions, helping in the development of cost-effective mercury monitoring systems, testing various types of mercury sorbents, participating in tests of control technologies at a Texas lignite plant and at the Rockport plant, and traveling to sites where mercury control and monitoring equipment is being demonstrated.
RDES561201	\$95,473	\$2,563	Mercury Sorbent Testing Facili	The U.S. Environmental Protection Agency finalized rules in the spring of 2005 regarding the release of mercury into the atmosphere from coal-burning power plants. In some cases, the only currently known method of removing mercury from a flue gas stream is by injecting sorbents into the stream and then removing the mercury-laden sorbents in an electrostatic precipitator. There is still much to learn about the use of such sorbents, including which sorbents are effective, the best methods of injecting the sorbents, and the effects of sorbent injection on other systems. The use of sorbent injection for mercury control has not been proven under the conditions found at Conesville Plant. This study involves a collaboration with the Department of Energy, several companies involved in the design of mercury control and measurement systems, several sorbent suppliers, three other utilities, and EPRI to learn more about sorbent injection in full scale application at Conesville Unit 6.
RDES561301	\$20,777	\$1,082	MerCCIG	The Mercury Characterization and Control Interest Group (MerCCIG) is a collaboration with EPRI and other utilities to find timely and cost-effective solutions to problems related to mercury emissions from coal-burning power plants, including characterization of mercury emissions in plants of various configurations and with varying coal feeds, measurements of mercury emissions, and the chemistry of mercury in flue gas.

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RDES561401	\$12,265	\$540	Mercury Deposition Modeling	Obtain technical information on the extent and magnitude of near and far-field deposition of mercury near selected AEP coal-fired power plants. Specific objectives are: 1) use information to address concerns of mercury "hot spots"; 2) identify how mercury deposits as a function of plant-specific operating characteristics and flue gas/plume chemistry; and 3) provide quantitative information on environmental benefits of SCR/FGD installations.
RDES561501	\$5,000	\$198	Aerosol Emissions Ctrl Int Grp	The Aerosol Emissions Control Interest Group (AECIG) is a collaborate effort with EPRI and other utilities to find timely and cost-effective solutions to problems related to emissions of aerosols. In particular, sulfuric acid aerosols from coal-burning power plants, including measurement of sulfur trioxide emissions, methods of controlling SO3 emissions, and the chemistry of formation of sulfur trioxide in flue gas.
RDES561601	\$799,939	\$15,169	Demo Sieving Electrosta Precip	Demonstrate the technical feasibility of a new type of electrostatic precipitator invented by Professor Hajrudin Pasic at Ohio University by installing a pilot unit on a slipstream at an AEP power plant in Ohio, most likely the Conesville Plant.
RDES561701	\$12,500	\$533	Treatment for Thallium&Arsenic	The project will gather and evaluate information about treatment technologies for thallium and arsenic, in anticipation of increased regulatory requirements for controlling these constituents. The treatment information then will be incorporated into chemical profile reports for thallium and arsenic.
RDES561801	\$20,169	\$860	Tech Supp Cont Hg Monitor Demo	Assist the EPA and its contractors in developing a comprehensive field demonstration of certifiable continuous mercury monitors (CMMs) at two power plant sites that will address the recently identified impediments to commercial application of CMM technologies. Specific objectives include: 1) Development and documentation of Hg calibration and linearity procedures; 2) Drafting of an instrumental reference method for annual relative accuracy audits (RATA); 3) Documentation of reliability, operability and performance characteristics of the CMM, Ontario Hydro Method and Draft Method 324 (QSEMS), for low level detection limits, typical of utility mercury emissions
RDGA260001	\$16,714	\$646	Adv. Generation Prog. Mgmt	This line item is used for the Advanced Generation R&D Program (AG) pre-project R&D development efforts and to track and manage misc. AG R&D projects < \$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the Advanced Generation Management function. It is also used to track participation at general conferences and other trips associated with the Advanced Generation program. The scope of this charter includes: 1) Fees and travel expenses for conferences and meetings related to AEP's advanced generation activities. 2) Opportunities to participate in R&D projects that arise during the year. 3) Coverage of travel expenses related to EPRI Advanced Generation programs.
RDGA260201	\$55,897	\$2,772	Coal Utilization Research Coun	The Coal Utilization Research Council (CURC) was formed in 1997 as an ad-hoc group to act as an industry voice for R&D needs associated with the role of coal as a sustainable energy source for electric power generation as well as the transportation and chemical industries. CURC members include utilities, equipment suppliers, coal companies, universities, and other energy-related companies and consortiums. The CURC provides its members with a respected, influential forum in which they work to ensure the continued viability of coal. In a collaborative effort to define future technologies to effectively use coal, the CURC has put together a comprehensive strategy for coal research and development. CURC representatives meet with members of Congress and Fossil Energy in the DOE to provide input to the nature and level of R&D funding for coal-related research. In development of authorizing legislation, appropriations bills, regulatory initiatives and annual federal budget proposals, the CURC is recognized for providing accurate information and creative ideas to advance coal-related technology

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RDGA260301	\$21,238	\$966	Gasification Technology Council	<p>The Gasification Technologies Council (GTC) was created in 1995 to promote a better understanding of the role Gasification can play in providing the power, chemical and refining industries with economically competitive technology options to produce electricity, fuels and chemicals in an environmentally superior manner.</p> <p>The Council represents companies involved in the development and licensing of Gasification technologies as well as engineering, construction, manufacture of equipment and production of synthesis gas by Gasification from coal, petroleum coke, heavy oils, and other carbon-containing materials.</p> <p>The GTC and the collective knowledge of its members provide an easy to access forum and source of information, enabling AEP to keep current with up-to-date gasification activities. Serves to support AEP's decision making process around IGCC efforts.</p>
RDGA260601	\$81,847	\$2,543	Technology Assessment Guide	<p>The EPRI Technology-Based Business Planning Information & Services (aka Technology Assessment Guide, or TAG) provides performance and economic information about most generation technologies. The TAG-Supply® Database and Software currently covers 24 categories—including all major fossil and nuclear plant types, several energy storage technologies, small-scale generation options, renewable resource technologies, and transmission and distribution facilities—with nearly 100 distinct configurations of process technology, fuel, and location.</p>
RDGA260701	\$4,991	\$218	Geologic CO2 Sequestration P2	<p>This is an on-going project (co-funded by the DOE and led by Battelle) that is investigating the feasibility of safely injecting and storing CO2 in deep salt water-laden rock formations. The project is located at AEP's Mountaineer plant in New Haven, WV.</p> <p>To date, the project has:</p> <ul style="list-style-type: none"> • Compiled and reviewed pre-existing information on above ground and subsurface geologic, hydro geologic, and geo chemical parameters of interest in our operating area. • Selected a location for drilling a deep well to characterize the host reservoirs and cap rock formations that can be used for injection containment, and monitoring of CO2 for a long-term experiment. • Conducted a preliminary assessment of coal bed sequestration opportunities in the vicinity for the selected site. • Obtained subsurface data required for the regulatory permits and baseline monitoring through the use of borehole logs, reservoir testing, and seismic analysis (surveys). • Conducted reservoir simulations and geo chemical assessments to predict the fate of injected CO2 and determine operational parameters for CO2 injection and monitoring. <p>Phase 2 covers a feasibility study to install a 30-50 ton/day slip-stream carbon scrubber at the plant to conduct test injections of CO2 into the deep well.</p>
RDGA260801	\$666	\$28	CIAB Support	<p>Supporting AEP's participation in the Coal Industry Advisory Board (CIAB). CIAB is a group of high level executives from coal-related industrial enterprises, established by the International Energy Agency (IEA) in July 1979 to provide advice to the IEA on a wide range of issues relating to coal. Mike Morris is a member, and a representative from Generation serves as the Associate Member.</p>

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RDGA260901	\$33,000	\$1,456	MIT Carbon Sequestration Init	<p>The Carbon Sequestration Initiative (CSI) is an industrial consortium formed at MIT to investigate carbon management strategies and carbon sequestration technologies. The consortium currently has nine members: American Electric Power, Electricité de France (EDF), EPRI, Exxon Mobil, Ford Motor Company, General Motors, Peabody Energy, ChevronTexaco, and Total FinaElf.</p> <p>Contractually, the CSI operates in three-year planning phases, administered through MIT's Laboratory for Energy and the Environment (LFEE). Phase I began July 1, 2000 and the second three-year phase for the CSI began on July 1, 2003.</p> <p>The CIS provides access to significant research in the areas of carbon capture, carbon sequestration, and public policy. It is sponsoring special studies at the direction of the CSI members by MIT graduate students. Because Howard Herzog is a member of the IPCC it also provides up-to-date status reports on those activities.</p>
RDGA261001	\$1,091,550	\$48,696	FutureGen - Cost Share	<p>On February 27, 2003 Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p>
RDGA261101	\$4,826	\$220	FutureGen - Non-Cost Share	<p>On February 27, 2003, Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p> <p>Under the terms of the Cooperative Agreement, there are certain charges that are not allowed to be included in the industry 26% cost share. These include charges that may be necessary to complete the work, but are not included in the Statement of Work or are allowed as part of the 10CFR600 regulations. Examples are lobbying expenses and travel costs exceeding the DOE approved maximum amount. This work order is to track such time and charges.</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA261201	\$200,000	\$7,437	CO2 Testing Prog-Capture Techs	<p>A multi-phase testing program to develop cost-effective and practical CO2 capture technologies</p> <p>Phase 1</p> <ul style="list-style-type: none"> • Using 5 MW pilot plants: • Test solvent (with a focus on chilled ammonia), solid and membrane capture technologies • Test the materials to be used for compression, transport and injection of flue-gas CO2 <p>Phase 2</p> <ul style="list-style-type: none"> • 10 MW CO2 Test Center (150 Tons/day) • Capture and store CO2 at substantial scale under real operating environments <p>Future phases</p> <ul style="list-style-type: none"> • Larger demos to scale-up to full plant
RDGA360001	\$32,740	\$1,017	Gen Asset Mgmt - Prog Mgmt	<p>This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R&D projects costing <\$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences for the AEP EPRI Advisors.</p>
RDGA360101	\$892,487	\$27,729	GAM EPRI Annual Research Portf	<p>The Generation Asset Management (GAM) selection from the EPRI Annual Research Portfolio includes:</p> <p>1) Fleet-Wide Monitoring Interest Group - The purpose of the project is to provide industry information relating to remote monitoring of generation assets and condition assessment of those assets to optimize reliability and performance from the information derived from the monitoring. Areas that are being initially emphasized are thermal performance monitoring, equipment condition assessment, document management, and maintenance planning. Another aspect is to evaluate the value of central monitoring.</p> <p>2) Boiler Life and Availability Improvement Program - This program develops technology and guidance that allows participants to safely manage boiler component life for high reliability and reduced O&M costs. Technology development efforts will focus on advanced inspection techniques to identify component damage early and accurately; analysis tools to predict component remaining life and in-service failure risk; decision support tools that allow AEP to balance risk and economic benefits under a variety of plant operating scenarios and conditions; and repair techniques designed to maximize component economic life.</p> <p>3) Fossil Materials and Repair - Acquire through EPRI membership in P87.001 and P87.002 the most current guides for materials selection guidance, corrosion mitigation methods, and repair techniques needed to improve equipment performance, reliability, and ultimately profitability.</p> <p>4) HRSG Dependability - The HRSG Dependability program is to provide technology that will address chemical issues for both tube and turbine failures; provide operating procedure support for cycling and thermal fatigue issues; provide guidance for abnormal cycle chemistry events; and provide repair and NDE tools to aid in the inspection and repair of HRSG components.</p> <p>5) Boiler and Turbine Steam And Cycle Chemistry - Participation in this program provides the opportunity to access the EPRI knowledge base across the wide breadth of this target. Simultaneously, it provides the ability to leverage research expenditures by collaboration with others in the industry. Finally information generated by this program aligns with the AEP initiative to have zero water chemistry related tube failures by 2006</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA360401	\$82,520	\$3,816	Wireless Pipe Hanger Monitor	Further develop and demonstrate the Wireless Pipe Hanger Monitor at AEP Fossil Plants. Integrate Pipe Hanger Monitor pipe position indication with the LFE calculation for more accurate stress estimates.
RDGA360501	\$3,305	\$103	Guide for App of WiFi in Plant	Develop a guideline for the application of wireless sensors and wireless communication within the plant environment. Guideline is to be compatible with Plant I&C and IT/Telecom requirements.
RDGA360601	\$139,257	\$4,326	GSU Health Monitors	Develop alarm criteria from the GSUHM data set that will be used to provide alarm indications to fossil plant & engineering personnel. The GSUHM System will provide low-cost diagnostics on critical devices. In particular this project is targeted at demonstrating the necessary components needed to monitor and provide early warning alarm indications on the health of AEP's Generator Step-Up Transformers.
RDGA360701	\$4,536	\$141	EMI Monitoring: Gen/Switchgear	There are four components to this project: 1) Improve continuous EMI monitoring for generators. 2) Develop and install EMI monitoring for switchgear. 3) Develop and prototype an interface to the existing Generator Field Flux Probes. 4) Integrate with plant PI computer for archive and display
RDGA360801	\$51,137	\$2,661	Circumferential Waterwall Crac	The objective of this project is to demonstrate the optimum approach to identifying the root cause of the thermal fatigue cracking of waterwall tubes in supercritical boilers. This will involve monitoring temperature, strain and heat flux during typical operating regimes to identify the "time in operating space" which causes thermal fatigue cracks to initiate and propagate. Solutions will be tested using the same monitoring tools. The approaches used will be applicable to other boilers with and without weld overlay, with and without low NOX burners, and whether the unit is operating with OT or not.
RDGA360901	\$51,894	\$2,581	Waterwall Tube Corrosion	The objective of this project is to develop and demonstrate a roadmap approach to optimizing the corrosion fatigue life of waterwall tubes in subcritical boilers. The outcome will be an approach to assessing corrosion fatigue failures in other boilers than the subject boiler of the project, which AEP will be able to adopt in other plants.
RDGA361001	\$10,000	\$457	Devel Digital Radiographic Sys	Assemble a complete digital radiographic examination system, including optimization of CMOS detector parameters, acquisition and display software, and inclusion of a remotely-operated robotic device for positioning of the source and detector throughout the boiler tube regions susceptible to corrosion fatigue cracking. Once the prototype system is assembled, a field trial will be conducted at a US plant to verify operational feasibility and user friendliness.
RDGA370201	\$8,500	\$332	Fleet-Wide Monitor InterestGrp	The purpose of the project is to provide industry information relating to remote monitoring of generation assets and condition assessment of those assets to optimize reliability and performance from the information derived from the monitoring. Areas that are being initially emphasized are thermal performance monitoring, equipment condition assessment, document management, and maintenance planning. Another aspect is to evaluate the value of central monitoring.
RDGA400701	\$0	(\$18)	FutureGen Project	In coordination with the US Department of Energy, AEP will participate in a federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. This is a ten year program, with the federal government paying 80% of the costs. AEP participates in an alliance with four other utilities and five coal producers, headed by Battelle. Lead company is I&M.
RDGA500001	\$0	(\$48)	Environmental Controls Program	Capture non-project research & development expenses for this program. Formerly RD00400001. Lead company is APCO.
RDGA500601	\$0	(\$5)	EPRI Environmental Science Pro	Provide access to knowledge gained by EPRI and its members in areas related to the impact on the environment of electric power operations. Lead company is I&M.

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA500901	\$0	(\$15)	Ohio River Ecological Research	Provide information on fish entrainment and impingement and on the effects of thermal and other plant wastewater processes on fish populations, provide information useful on commenting on proposed standards, and update existing data and fish population estimates to address concerns. Lead company is OPCC.
RDGA501201	\$0	(\$36)	General Mercury Science & Tech	Overall AEP non-EPRI mercury characterization and control work
RDGA501801	\$0	(\$2)	Coal Flow Loop Measurement	Develop a facility where coal flows can be accurately controlled in order to evaluate various coal flow measurement systems in an environment similar to that in a working power plant. The ability to accurately measure pulverized coal flows in pipes will aid in control of plant combustion systems, helping to control the formation of nitrogen oxides.
RDGA502501	\$0	(\$7)	Conesville Sorbent Testing Fac	Conesville Sorbent Testing Facility - The U.S. Environmental Protection Agency will finalize rules in the spring of 2005 regarding the release of mercury into the atmosphere from coal-burning power plants. In some cases, the only currently known method of removing mercury from a flue gas stream is by injecting sorbents into the stream and then removing the mercury-laden sorbents in an electrostatic precipitator. There is still much to learn about the use of such sorbents, including which sorbents are effective, the best methods of injecting the sorbents, and the effects of sorbent injection on other systems. This study involves a collaboration with the Department of Energy, several companies involved in the design of mercury control and measurement systems, several sorbent suppliers, three other utilities, and EPRI to learn more about sorbent injection in full scale applications.
RDGA601101	\$0	(\$1)	Wireless & EMI Demos	Work with the plants to apply wireless technology at critical installations as determined by Plant Engineering Teams to reduce O&M costs, improve unit availability, and to enable diagnostics and monitoring systems that are otherwise cost prohibitive.
				<p>Collaborative R&D within the nuclear power industry ensures that nuclear power is an economically feasible option within the current and future generation mixes. To this end, EPRI develops cost-effective technology for safe and environmental friendly electricity generation that maximizes profitable utilization of existing nuclear assets and supports promotion and deployment of new nuclear technology.</p> <p>EPRI's Nuclear Power program centers on seven key business objectives.</p> <ul style="list-style-type: none"> • Maintain nuclear plant safety • Maximize productivity of existing assets • Facilitate waste disposal • Maintain critical infrastructure • Evaluate evolutionary and new designs • Improve risk management • Optimize fuel utilization <p>Based on these key objectives, the EPRI 2006 Nuclear Power Program Portfolio consists of the 11 strategic technical areas listed below. For each of the areas, the EPRI Nuclear Portfolio contains information on the Strategic Content and the associated Barriers to Overcome. For each of the Barriers there is a description, planned or ongoing activities and major solution elements.</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDNU560101	\$1,259,610	\$0	EPRI Nuclear Annual Research	<ul style="list-style-type: none"> • Materials Degradation/Aging • High Performance Fuel • Radioactive High Level Waste and Spent Fuel Management • NDE and Material Characterization • Equipment Reliability • I&C Hardware and Systems • Nuclear Asset/Risk Management • Safety Risk Technology and Applications • New Nuclear Plant Deployment • Environmental Benefits • Low Level Waste and Radiation Exposure Management
RDRE560001	\$33,431	\$1,039	Renewables Program Management	<p>This is used for Renewable Energy Resources Initiative (RERI) pre-project R&D development efforts and to track and manage misc. RERI R&D projects costing < \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the Renewable Program Management function. It is also used to track participation at general conferences associated with Renewable Program Management, especially EPRI conferences in the AEP RERI area.</p>
RDRE560101	\$57,739	\$1,794	EPRI Renewable Energy Base Pgm	<p>This project charter supports AEP's renewables involvement with EPRI, namely: PS 84.001 Renewable Energy TAG – provides a basic reference for technical and economic assessment of renewable energy generation technologies PS 84 D Biomass Energy – provides industry reference and contacts for renewable energy generation, most notably biomass co-firing</p>
RDRE560301	\$301,912	\$12,483	PC Biomass Separate Injection	<p>Determine the feasibility, costs, and equipment for separate injection of a pulverized coal (PC) unit with alternate fuels (e.g., biomass, tires, sludges). Determine fuel supply, fuel characteristics, preliminary costs, materials handling equipment, emissions and unit performance impacts, safety/interlocks, and economic feasibility. Separate injection allows a higher alternate fuel percentage into the steam generator above that which can be co-fired through the pulverizers. It also should provide for increased fuel flexibility. Location to be determined.</p>
RDTA403701	\$632	(\$6)	Galloping Conductor Mitigation	<p>Install galloping mitigation attachments to a selected 345kV span in Indiana to evaluate effectiveness, longevity and maintainability. Two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers will first be electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance. Based on the test results, several units of one of the designs will be installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 kV circuits. Ground clearance of the conductor will be measured and a stationary video camera will record its motion as compared to that of the conductors with no spoilers installed. Results of the project will be used to make BU Air Flow Spoiler purchase and deployment decisions for lines prone to galloping.</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA404001	\$124	\$0	High Temp Superconducting Cabl	This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs. The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.
RDTA550301	\$2,106	\$74	Power System Load Modeling Ph2	Validate and improve load modeling used in transmission planning and system dynamic studies. This project is a continuation of an earlier EPRI project (Phase I) whose objective is to make use of measured load data captured during system disturbances to improve the accuracy of load modeling.
RDTA560001	\$175,818	\$6,097	Trans. R&D Program Mgmt	The money allocated to this project will be used to fund new activities or projects that develop as the year 2006 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2006 budget cycle.
RDTA560101	\$38,973	\$1,364	Trans EPRI Annual Research Por	Expense - Transmission related projects from the EPRI Annual Research Portfolio include: 1) Lightning Performance of Transmission Lines and Transmission Line Surge Arresters - seeks to increase the reliability of new and existing overhead transmission lines by generating engineering tools that address the leading causes of transmission circuit outages; lightning and grounding. 2) Polymer/Composite Insulator Performance - seeks to extend polymer and composite component life expectancy and avoid outages due to premature failure through improved selection, application, and inspection. 3) Underground (UG) Transmission Workstation and Reference Manual - will develop reference information on underground design and maintenance 4) Thermal & Mech. Stresses in Extruded UG Cables - develop information and software tools to help mitigate harmful stresses through proper system design, such as optimal clearance between cable and duct and optimal placement of manholes. Results will apply to 69kV – 345kV cable systems. 5) Live Working Research for T-Equipment - developing new live-line techniques and technologies for the maintenance and refurbishment of energized transmission lines. 6) Switching Safety and Reliability - goal is to learn about the industry's human error prevention programs and employ the learning to reduce relay misoperations caused by human errors.
RDTA560201	\$24,989	\$874	CEA Life Cycle Mgmt Stat Equip	Canadian Electric Association (CEA) Life Cycle Management of Station Equipment and Apparatus Interest Group (CEA LCMSEA), an on-going interest group is a low overhead collaborative effort focused on member driven station equipment, maintenance, tools, asset management techniques, benchmarking, diagnostics, and life extension. Projects are defined and contract awards made to investigate and deliver solutions, knowledge, tools, evaluation and techniques for defined issues. Projects are usually completed within 1 year.

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA560301	\$12,001	\$420	CEA T Line Asset Mgmt Interest	Low overhead collaborative focus on member-driven transmission line maintenance needs and problems. AEP funded 2005 projects in condition assessment techniques for wood cross arms and in transmission vegetation management. Several promising projects will be funded in 2006, including an asset management approach to tower painting and reliability effects of defective line insulators.
RDTA560401	\$21,760	\$761	PSerc	PSerc (Power Systems Engineering Research Center) is an NSF sponsored university (13)-industry (38 members) consortium. Participation in PSerc provides AEP access to experienced university researchers in leading electric power programs across the U.S., results of collaborative member defined and approved low overhead R&D projects, and access to leading students for both intern and permanent employment positions. Participation in PSerc is a valuable element of a balanced portfolio of AEP internal and external R&D plays.
RDTA560501	\$26,762	\$937	IEC 61850 Network Mgmt Capabil	Network Management to support Communications to/from Substations using the International Standard IEC 61850. This is related to the EPRI sponsored IEC 61850 Projects. 2005 work includes identification and development of network management requirements for deployment and maintenance of IEC 61850 devices to be applied at AEP substations. 2006 work will focus on developing detailed design documents to address the requirements. The project goal is to enable network management technology in substations.
RDTA560601	\$43,010	\$1,505	IEC 61850 Testing Project	Communications to/from Substations using the International Standard IEC 61850. This is a continuation of the EPRI sponsored IEC 61850 Testing Project. The current testing procedures require expansion and specification addition. Additional capability to be added to the current testing tools at AEP/Dolan for IEC 61850. Develop, jointly with industry partners, tools and techniques to provide capability for IEC 61850 Interoperability Testing at AEP/Dolan Test Facility. Funding will also help with the development of users guides for the specification of IEC 61850 products in coordination with the UCA International Users Group. Currently AEP/Dolan is setup for the initial phases of conformance testing only
RDTA560701	\$32,130	\$1,124	Digital Process Bus-Substation	An all-digital input data bus (IEC 61850-9.2) will be installed between the NxtPhase optical instrument transformers (345kV VT, CT) transducer outputs and station IEDs (Landis & Gyr revenue meter and a GE D-60 relay), modified for direct digital data input. Performance will be compared to the conventional installed low energy analog (LEA) and high-energy analog (HEA) systems. Results will be documented by AEP, GE, NxtPhase and a PSerc project team (part of a parallel PSerc Project - T 29). This is a logical extension to the UCA Station LAN implementation and the comparison of optical and conventional instrument transformer performance.
RDTA560801	\$55,230	\$1,933	Visual & Decision Support Sys	Working with other utilities and vendors to develop a reliable visualization tool that will be used by system dispatchers and operators on the AEP transmission system. The development of this technology, as mandated by FERC & NERC, will allow system operators to respond more rapidly and make better decisions based upon the information that is being feed to the control center. These tools will also provide the system operator a 'look into the future' with trending. Trending will look at the present system conditions and determine that if all things remain the same, then in X number of hours your system will be in a certain condition. This will allow system operators to be 'proactive' instead often 'reactive'

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA560901	\$318,273	\$11,096	Devel T Plan&Ops Tools-Phasor	<p>1) Develop tools and techniques to analyze data captured by AEP phasor monitoring units (PMUs) and apply the tools and techniques in planning (off-line) and operations (real time) environments.</p> <p>2) Participate in the DOE-sponsored Eastern Interconnection Phasor Project (EIPP), which is facilitating development of a phasor data network in the Eastern Interconnection (EI). The vision of EIPP is to improve power system reliability through wide area measurement, monitoring and control.</p>
RDTA561001	\$56,610	\$1,520	Trans BPL for SCADA & Relaying	<p>Determine the applicability of BPL (broadband power line carrier) for select subtransmission SCADA and protective relay applications. This is follow-on work to preliminary tests of BPL on an AEP 69kV line in late 2003 to quantify propagation characteristics. Based on the current project's test results (required distances between repeaters, attenuation, unwanted signal radiation patterns, reliability and system costs), we will decide if future AEP BPL SCADA and protection installations on subtransmission lines add value.</p> <p>Amperon BPL will be installed on the Chemical – S. Charleston 46kV line (< 1 mile long) as part of a larger NETL/DOE Modern Grid Technologies demonstration project with AEP Distribution and Dolan Technology Center. SCADA data will be transferred between the stations via BPL and the BPL channel will operate in parallel with the existing pilot wire line protection scheme. Technical and cost performance will be compared, documented and reported.</p>
				<p>This work order is to cover minor amounts of travel and time needed to complete the followin EPRI TC projects:</p> <p>1) Hi Temp Low Sag Conductor - The purpose of this three year continuing EPRI TC research project is to evaluate the performance of selected "High Temperature Low Sag" conductors that are capable of significantly increasing the ampacity of thermally constrained transmission lines without the need for extensive tower re-design exercise. The focus is on reconductoring existing thermally constrained transmission lines to realize better asset utilization. (formerly work order RDTA400301)</p> <p>2) Inspection Tool for NCI's - In Service - Develop a technique/tool to detect mechanical and electrical defects in new and in-service NCI (non ceramic insulators). An EPRI survey found that approximately 1 in every 65,000 NCI sold has failed in service. These failures have resulted in dropped lines, costly outages and safety concerns. Today, there is no reliable method to determine the integrity of in service NCI's. (formerly work order RDTA403101)</p> <p>3) Repressurization Procedures for UG Pipe-Type Cables - Define and document procedures to reduce time to return transmission cables to service and restore customer power; reduce equipment damage and improve transmission systems reliability. Today, operators use different methods based on manufacturers recommendations or in-house specifications. Currently, there is no method based on technical data that aids a restoration operator to make the choice between restoring customer power quickly versus doing the pressurization process slowly to reduce the chances of repeated equipment failure. This project will develop an "optimal" procedure addressing the problem. It will be based, in part, on past EPRI work on cable oil Dissolved Gas Analysis (DGA). (formerly work order RDTA400801)</p>

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Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA561101	\$15,883	\$556	Closeout Expenses for EPRI TCs	4) Trans Grid Reliability Performance Metrics – Phase 2 - Currently, transmission availability metrics lack standardization, comparability and sensitivity to determine system level availability impacts. This project will develop the fundamental theory including underlying definitions, metrics and data methodology for the comparison of transmission and substation system level and equipment performance. The project will standardize transmission system availability metrics and resulting comparisons through collaborative development of definitions and data methodology.
RDTA561201	\$126,342	\$3,650	Transmission Line EMI Survey	<p>Develop low cost EMI/GPS tools that will assist the Transmission Business Unit when performing aerial/ground inspections of transmission lines to detect deteriorated line hardware, insulators, conductors, and broken strands. Results will enable reliability based maintenance, improved productivity, etc.</p> <p>Electromagnetic Interference (EMI) has proven to be a valuable tool in problem diagnostics of rotating electrical machinery. Energized transmission line components that are in a failure mode, in corona, contaminated or intermittently shorting to ground (as during tree contact) will emit EMI as well. The EMI/GPS inspection tool is a device that will record EMI magnitude and spectral components as well as the location of the source of that interference for future plotting and analysis.</p> <p>This provides a low cost tool for transmission personnel, as it allows for the automatic collection of EMI data from failing equipment in an efficient manner as part of a routine aerial or drive-by inspection. Plotting of this data gives a visual map showing where the EMI activity is occurring and will assist in trending this activity. As activity increases, follow-up inspections could identify a potential failure before it has time to degenerate to the point of a forced line outage. This would allow for planned mitigation of the imminent fault. This project will continue to gather and analyze EMI data from several T lines to determine the value of EMI/GPS as a diagnostic tool for AEP</p>
RDTA561301	\$15,822	\$254	Galloping Conductor Mitigation	<p>Install galloping mitigation attachments to a selected 345kV span in Indiana to evaluate effectiveness, longevity and maintainability. Two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers will first be electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance. Based on the test results, several units of one of the designs will be installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 kV circuits. Ground clearance of the conductor will be measured and a stationary video camera will record its motion as compared to that of the conductors with no spoilers installed. Results of the project will be used to make BU Air Flow Spoiler purchase and deployment decisions for lines prone to galloping.</p> <p>Note: As a result of the DTC electrical testing, TLESMM recommended that non-EHV spoilers be installed on 3 phases of a 345 kV line at Columbia Center to monitor for corona and audible noise. Therefore, the project scope and cost have increased to \$12,000, compared to \$1,000 when the project proposal was submitted in 08/05.</p>

2006 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA561401	\$328,661	\$6,677	High Temp Superconducting Cabl	<p>This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs.</p> <p>The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.</p>
RDTA561501	\$6,456	\$226	HTS Matrix Fault Current Limit	<p>SuperPower is developing a High Temperature Superconducting Fault Current Limiter for a 138 kV application. Sporn 138 kV station, where 9 breakers are under-rated, has been selected as the likely demonstration site. If this technology is developed and successfully tested, it will provide an alternative to breaker replacement at Sporn and some other stations, depending on the MFCL cost. In addition, successful demonstration of this technology will provide a giant step in the application of superconductivity, and it will add to the understanding of the voltage insulation characteristic in liquid nitrogen.</p>
RDTA561601	\$50,302	\$1,760	Reactive Pwr Mgmt, Phases 1-2	<p>To devise an analytically rigorous and automated means of determining voltage control areas and associated dynamic reactive reserve requirements for on-line EMS application. This project is a continuation of an EPRI project by the same name and subject (Phase 1). AEP participation will consist of Phase 1 completion and Phase 2. Remaining work on Phase 1 is to consist of completion of the algorithm to determine generator reactive reserve allocations, and further testing of both voltage control area and reactive reserve algorithms. The objective of Phase 2 is to apply intelligent system techniques to speed the analysis sufficiently to enable its application in an on-line environment.</p>
RDTS561401	\$20,163	\$706	High Temp Superconducting Cabl	<p>This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2KV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs.</p> <p>The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.</p>
Sum:	\$15,890,417	\$564,048		

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
				Coordination of AEP's: 1) Corporate Technology program and 2) Support the Corporate Technology Council
RDCP560101	\$123,500	\$5,467	Corporate Technology Prog Mgmt	
RDCP570001	\$314,314	\$13,467	2007 Corporat Tech Program Mgt	Provide for the management of the Advanced Distribution R&D program
RDDA560001	\$214,953	\$10,004	Coordination of AEP's:	<p>The Distribution projects from the EPRI Annual Research Portfolio include:</p> <p>1) PS1A - T&D PQ and Reliability: This program works to enhance T&D power quality and reliability to meet the increasingly diversified requirements of a competitive energy marketplace, including changing regulations and open-access requirements. Project set funders will gain specific guidance and tools to maximize their T&D asset utilization and enhance their grid power quality and reliability. Purchase only Project 1.001, Managing Reliability and PQ through Design and Operation of T&D Systems.</p> <p>2) PS1B - PQ and Reliability Monitoring System & Applications: This program provides state-of-the-art, knowledge-based tool, testing, and measurement technologies necessary to monitor, diagnose, understand, and prevent PQ disturbances throughout the entire electrical power system. Project set funders will be well equipped to pursue operational power system excellence from transmission through end-use customer loads.</p> <p>3) PS1C - Analysis Tools for PQ and Reliability: In 1998, EPRI released the first version of the Power Quality Diagnostic System (PQDS), a compilation of tools that allowed PQ engineers to perform basic power quality analyses such as harmonics analysis, voltage sags simulations, and motor-starting calculations. In 2003, EPRI upgraded the PQDS economic assessment modules. The 2006 program provides updates of existing PQDS modules as well as new modules. Funders will also receive simulation and analysis support on other industry products, such as EMTP.</p> <p>4) Manhole Event Risk Management Strategies: A number of utilities continue to experience gas-related explosions in underground structures such as manholes, service boxes, and vaults. Two root causes are needed for an event to occur: the buildup of explosive or combustible gases and the presence of an ignition source. These events can occur unexpectedly and can involve numerous explosions in adjacent structures. The financial and political consequences of such events can be significant.</p> <p>Explosions and related events in underground structures are rare, involving fewer than 1% of underground structures, and range from "smokers" with little effect, to "flyers" with very serious collateral damage, injury, and even death. Many causal factors are involved, and multiple events are possible. Predictability is very difficult. Damage can range from fire or smoke damage in "smokers" to collateral damage to external facilities or personal injury from flying manhole or vault covers in "flyers."</p> <p>In 1991, a utility experienced a fatal event. In 1995, Underwriters Laboratories (UL) issued a milestone report detailing the composition of evolved gases. A test facility was built in Lenox, Massachusetts, in 1994 with EPRI and Consolidated Edison (ConEd) co-funding. At some utilities approximately 1% of underground structures are involved in an event each year; with fewer than 0.01% involving collateral damage.</p> <p>During 1996-1998, milestone tests, funded by ConEd and EPRI, were conducted in Lenox involving "standard gas explosions" and mitigation approaches. Recently, many utilities have reported major events. No utility is immune from the prospect of underground explosions!</p> <p>EPRI's approach has taken several paths: research, construction of test facilities, and various workshops and rapid response meetings following manhole events. The research has been broad-based, involving full-scale tests, analytical studies, and computer modeling. Research topics have included: explosion characteristics, electrical (fault) vs. gas explosions, type and composition of gases involved, explosion mitigation, cover restraints, cover design, root causes, and environmental factors. EPRI has also tapped into information and technologies in other industries that operate underground systems and may experience similar problems.</p>

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA560101	\$11,321	\$445	Dist EPRI Annual Research Port	<p>5) Power Quality Knowledge-Based Services program comprises an array of resources and tools. At the core of the program is a customer hotline offering round-the-clock power quality technical support. Complementing the hotline are the following:</p> <ul style="list-style-type: none"> • Five electronically distributed newsletters which regularly provide the latest information on power quality business, technical trends, educational opportunities, and project updates • A detailed EPRI PQ Encyclopedia, a definitive reference and training tool for power quality • Continued enhancement of the highly valued PQ case study library to supply customers with an essential and productivity-improving resource • Access to the PQ Hotline for best-in-class problem-solving resources • The PQ Hotline Database, an unparalleled archive of a range of solutions and industry experience
RDDA560201	\$2,474	\$115	CEA Membership & Projects	<p>6) Market-Driven Demand Response: The prospect of a shortfall in electricity supply is looming in many parts of the country. An important approach to this potential crisis is demand response (DR) – involving the customer in the decision to reduce load in response to price signals from distribution utilities or system operators. While this is a logical approach in theory, it involves a completely new way of interacting with customers and requires wisdom, insight, and flexibility to make real. Two required essentials of delivering an effective DR effort are a strategy for reaching and relating to customers, and an understanding of which technologies are appropriate to the situation and how best to deploy them. EPRI's Demand Response Applications Service (DR Application Service) is a subscription-based program that offers information, tools and consulting to help you understand the calculus of DR, how to position yourself with respect to your customers, and how to develop and deliver successful DR programs.</p> <p>The CEA is a collaborative of companies that propose and fund research topic. These topics can range from asset management to automation. The purpose of this project is to allocate funding for topics of interest within the Distribution organization.</p>
RDDA560301	\$21,835	\$1,020	NEETRAC Membership	<p>The National Electric Energy, Testing, Research, and Applications Center (NEETRAC) was established in 1996 by the Georgia Tech Research Corporation (GTRC), a cooperative organization of the Georgia Institute of Technology. It is supported by a membership consisting of utility and industrial companies. The purpose of NEETRAC is research, development and testing in areas of interest to the membership and is funded by the Research and Development Baseline Budget from dues collected from that membership. The project selection generally is of a scope that is sufficiently broad as to be attractive to several Members, who are interested in sharing the resulting intellectual property. NEETRAC membership includes both collaborative and directed funding research. AEP's strategy is for NEETRAC to complement the Dolan Technology Center's (DTC) capabilities through research in such areas as cable life extension and other research or testing areas that the DTC is not directly involved in.</p> <p>AEP will be joining NEETRAC as a Corporate – Charter Member with voting rights on the selection and prioritization of projects. NEETRAC is a non-profit corporation.</p>
RDDA560501	\$435	\$20	Gridwise Membership	<p>The GridWise™ Alliance is a consortium of public and private stakeholders who have joined together in a collaborative effort to provide real-world technology solutions to support the U.S. Department of Energy's vision of a transformed national electric system. An electric system that will employ new distributed "plug and play" technologies using advanced telecommunications, information and control approaches to create a society of devices that functions as an integrated trans-active system.</p> <p>The goal, by 2015, is to demonstrate a smart, automated network of distributed utilities to achieve a 10% peak load reduction through improved asset utilization and demand/load management, building on the backbone of an open but secure distribution system architecture, under the industry-supported GridWise framework, that is also responsive to providing customer choice in electricity costs vs. values, as well as infrastructure security against all disturbance events.</p>

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA560601	\$444	\$21	Enhanced Distrib Sys Monitorin	The purpose of this project is to test and evaluate a low cost, long range wireless mesh communications system for distribution asset monitoring. In this project, several technologies within the system will be tested as to their flexibility and capability to monitor and transfer information along a distribution circuit. The first technology to be tested will be Aerocomm's wireless frequency hopping spread-spectrum radios. The second technology will be the "mesh" algorithms and networking protocols developed at DTC. In addition; other embedded hardware platforms will also be evaluated.
RDDA560701	\$12,365	\$575	Cutout Inspection Tool	The ultimate goal of this project is to develop a tool that can be used by linemen to asses the condition of porcelain cutouts. The tool must be safely usable on energized equipment. It must provide a simple pass/fail indication with a high level of certainty in its result. The use of the tool must also be significantly easier and faster than the replacement of a cutout.
RDDA560901	\$23,697	\$1,106	Porcelain Cutout Failures Inv	In reaction to increasing field reports as well as supported by the increasing number of annual Distribution System outages reported as cutout related, in the AEP Outage Management System, AEP is proposing to fund an independent non bias investigation into porcelain cutout breakage that will be considering mechanical, electrical and thermal environment of cutouts in operation, investigate materials and physical design on a fundamental macroscopic, microscopic and chemical level to determine root cause(s) of the cutout failures.
RDDA570101	\$707,445	\$33,086	Distr 2007 EPRI Annual Portfol	The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes: 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information – event and technology evaluations – that is expected to be useful for the strategic planning of our DER programs.
RDDA570201	\$53,407	\$2,499	2007 CEA Membership & Projects	The CEA is a collaborative of companies that propose and fund research topics. These topics can range from asset management to automation. The purpose of this project is to allocate funding for topics of interest within the Distribution organization. Individual project descriptions will be presented in the comments area of this document when available. CEA = Canadian Electric Association
RDDA570301	\$7,474	\$349	Dist Fault Location System	1. Develop an intelligent, operational, decision-support (fault locator) software tool to identify the location of low impedance, momentary and faults in distribution power systems. 2. Evaluate the use of this approach for high impedance faults.
RDDA570401	\$180,108	\$8,428	2007 NEETRAC Membership	The National Electric Energy, Testing, Research, and Applications Center (NEETRAC) was established in 1996 by the Georgia Tech Research Corporation (GTRC), a cooperative organization of the Georgia Institute of Technology. It is supported by a membership consisting of utility and industrial companies. The purpose of NEETRAC is research, development and testing in areas of interest to the membership and is funded by the Research and Development Baseline Budget from dues collected from that membership. The project selection generally is of a scope that is sufficiently broad as to be attractive to several Members, who are interested in sharing the resulting intellectual property. NEETRAC membership includes both collaborative and directed funding research. AEP's strategy is for NEEETRAC to complement the Dolan Technology Center's (DTC) capabilities through research in such areas as cable life extension and other research or testing areas that the DTC is not directly involved in. AEP will be joining NEETRAC as a Corporate - Charter Member with voting rights on the selection and prioritization of projects. NEETRAC is a non-profit corporation.
RDDA571001	\$138,785	\$5,561	Line Equip Investigation Tools	This project is to develop a toolset that can be used to asses the condition of failing distribution facilities. The tools must be safely usable on energized equipment. It must provide a simple pass/fail indication with a high level of certainty in its result.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA571101	\$320,848	\$15,007	Grid of the Future Test Bed	<p>Develop a Grid of the Future test facility at Doan Technology Center that will enable the evaluation of technologies that support AEP's vision of the next generation Distribution network. For 2007: installation of a WiMAX network, demonstration of WiMAX compatibility with standard utility protocols, integration of Advanced Metering Infrastructure components, Distribution Automation components, and Asset Monitoring and Control components.</p> <p>The test bed will include an IP-based control network that will facilitate AMI, DA, and Asset Monitoring and Control testing. For 2008: the test bed will be extended to include the evaluation of back office solutions (Yukon, Enmac, others), Home Area Networks (HAN), advanced DA and Asset Monitoring and Control, Distributed Energy Resources including Distributed Generation and Storage Technology.</p> <p>The information generated from these evaluations will be used to support decisions on vendor acquisitions, systems compatibility, and overall architecture & system design. Once the utility to HAN interface has been defined, communications into the customer premises will then be evaluated for DSM, DR, and metering applications like real-time pricing, tamper detection, remote connect/disconnect, and outage management. Equipment from multiple vendors will be accommodated.</p>
RDDA571201	\$138,980	\$6,502	AMI Test Bed Development	Develop an Advanced Metering Equipment (AMI) test facility at AEP that creates the in-house capability to evaluate current and future AMI equipment and their supported Distribution applications. The information generated from these evaluations will be used to support decisions on AMI vendor selection and system design. Compatibility of AMI with Distribution Automation equipment will be explored, and Distributed Intelligent Monitoring, Communication, and Control evaluations will be supported. Communications into the customer premises will be evaluated for DSM, DR, and metering applications. Equipment from multiple vendors will be accommodated.
RDDR560001	\$300,091	\$14,007	Distributed Energy Resources P	Provide program management for the Distributed Energy Resources R&D program
RDDR560101	\$152,835	\$7,131	DR EPRI Annual Research Portfo	<p>The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes:</p> <ol style="list-style-type: none"> 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information – event and technology evaluations – that is expected to be useful for the strategic planning of our DER programs.
RDDR560201	\$65,319	\$3,044	CERTS Micro-grid Test Bed	<p>To demonstrate, evaluate and document operation and performance of the CERTS Micro-grid Concept, which was successfully bench-tested on the University of Wisconsin's micro-grid emulator. This is the first full-scale demonstration of an inverter-based micro-grid, consisting of multiple micro-sources and loads. The CEC/CERTS Micro-grid Project Team plans to construct a test bed at AEP's Walnut Test Facility, conduct tests, analyze results and report a full range of tests under a variety of controlled conditions.</p> <p>CEC/CERTS arranged for three 60 kW micro-sources with inverters to be provided from TeCogen Inc. and delivered to the test bed site. Northern Power System (NPS) and the University of Wisconsin designed the test bed and tested the protection strategy. NPS is to provide and deliver protection equipment, switchgear and load/fault cabinets to the test bed site which will be assembled according to the test bed design.</p> <p>In addition, both DAS and EMS computers and software are to be provided from NPS to capture and record data during tests on the test bed. Once the test bed is assembled and commissioned for operation, a full-range of tests will be conducted, according to a pre-approved test plan, by the CERTS Micro-grid Test Team.</p>

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDR560401	\$27,229	\$1,268	Rolls-Royce 1MW SOFC Test&Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial, natural gas fueled, 1 MW SOFC system, utilizing our Walnut Test Facility. Participation provides "hands-on" experience with the technology. This enables AEP to proactively plan for the application and interconnection of the technology and its impact on the shaping the grid of the future.
RDDR570001	\$213,287	\$9,971	2007 DER Program Mgmt	Provide program management for the Distributed Energy Resources (DER) program.
RDDR570101	\$122,354	\$5,719	DER 2007 EPRI Annual Portfolio	Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. Distributed Energy Resources (DER) program.
RDDR570201	\$118,675	\$5,545	Micro-grid Proj - Inverter Gen	To demonstrate, evaluate and document operation and performance of the CERTS Micro-grid Concept, which was successfully bench-tested on the University of Wisconsin's microgrid emulator. This is the first full-scale demonstration of an inverter-based microgrid, consisting of multiple generation sources and loads. During 2006, the CEC/CERTS Micro-grid Project Team constructed a microgrid test bed at AEP's Walnut Test Facility. CEC/CERTS arranged for three 60 kW generators with inverters from TeCogen Inc.; the University of Wisconsin designed the test bed and; Northern Power System (NPS) tested the protection strategy and delivered protection equipment, switchgear and load/fault cabinets to the test bed site which was assembled by AEP contractors according to the test bed design. This project continues in 2007 from work performed in 2006 and involves commissioning the inverter-based generators in the test bed, conducting a full-range of tests according to an approved test plan, analyzing test results and documenting the resultant tests in a Final Report.
RDDR570301	(\$31,098)	(\$1,453)	Micro-grid Test Bed/DOE Tests	To demonstrate, evaluate and document performance and protection measures designed in the CERTS Micro-grid Concept. During 2006, the CEC/CERTS Micro-grid Project Team constructed a microgrid test bed at AEP's Walnut Test Facility. This project continues in 2007 from work performed in 2006 and involves detailed protection tests on the CERTS Microgrid Test Bed, funded by Dept. of Energy (DOE) through a contract with the University of Wisconsin. In addition to conducting a full-range of detailed protection tests, according to an approved test plan, it involves analyzing protection test results and documenting the results in a Final Report.
RDDR570401	\$86,686	\$4,054	RRFCS 1MW SOFC Test & Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial prototype, natural gas fueled, 1 MW SOFC (Solid-Oxide Fuel Cell) system(s), utilizing AEP's Walnut Test Facility. Participation enables AEP to obtain "hands-on" technology intelligence; shape the grid of the future; attract manufacturing jobs to AEP's Ohio service territory; and obtain preferential pricing and/or credits toward future purchase of commercial system(s).
RDES560001	\$234,007	\$11,225	Environ Science&Ctrls ProgMgmt	Provide funds for travel related to the Environmental Science and Controls program, and for small projects and investigations as needed.
				Environmental Controls projects from the EPRI Annual Research Portfolio include: 1) Program 71 – Combustion Performance and NOx Control - AEP buys two projects from this program. Project 71.001, Mitigation of Fireside Corrosion and Waterwall Wastage in Low-NOx Systems, takes a three-pronged approach to understanding and resolving the costly consequences of accelerated fireside corrosion exacerbated by low-NOx operation, looking at coal quality, boiler design, and materials-based solutions. Purchase of this project also provides the opportunity to participate in the Waterwall Wastage Interest Group. Project 71.004, Coal and Airflow Measurement and Control, seeks integrated solutions for monitoring and controlling air/fuel ratios of individual burners to minimize NOx and LOI levels and optimize boiler efficiency without sacrificing unit capacity.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES560101	\$1,000,198	\$48,518	EPRI Environmental Controls	<p>2) Program 75 – Integrated Environmental Controls - This program helps power producers realize the savings promised by emerging integrated environmental controls. In the near term, the program will develop, refine, and demonstrate least-cost mercury controls for commonly used power plant designs, fuels, and air pollution controls. Over the medium term, EPRI will evaluate new integrated multipollutant processes (i.e., mercury plus criteria pollutants) as they are developed and refined. Our purchase in this program includes Project Set 75A, which provides technical evaluations of emerging technologies, and Project Set 75B, which develops improved, lower-cost controls to capture air toxics (primarily mercury) along with other pollutants. We do not purchase Project Set 75C, dealing with the capabilities of modern SO2 controls and their ability to support multipollutant control requirements.</p> <p>3) Program 76 – Particulate and Opacity Controls - This program provides least-cost solutions that help power plants meet particulate emissions and opacity limits in the face of changing ash loadings (e.g., due to NOX or mercury controls) or stricter limits. The approach is to conceive or identify promising new emissions control technologies and demonstrate them. These solutions address a variety of common issues, including high unburned carbon, reduced emission limits, loss of start-up/shutdown and upset exemptions, ESP deterioration (especially hot-side ESPs), and Compliance Assurance Monitoring (CAM) requirements.</p> <p>4) Program 77 – Continuous Emissions Monitoring - This program develops, enhances, and evaluates Continuous Emissions Monitors (CEMS) that measure particular chemical species of regulatory and operational interest. These systems will help power producers 1) comply with new reporting requirements (e.g., emissions of mercury from coal-fired units and CO at levels below 1 ppm in combustion turbines); 2) prepare to meet growing state requirements for continuous particulate mass monitors; and 3) optimize pollutant control equipment operation by more accurately measuring gas properties (e.g., SO3).</p>
RDES560201	\$4,291,173	\$207,675	EPRI Environmental Science	<p>Environmental Science projects from the EPRI Annual Research Portfolio include:</p> <p>1) Air Quality Programs - By providing credible scientific information and state-of-the-art assessment and management tools, EPRI's air quality programs support the development of effective and protective policies, standards, implementation plans, and compliance strategies. Programs within the Air Quality area include 42 – Air Toxics Health and Risk Assessment, 91 – Assessment Tools for Ozone, Particulate Matter and Haze, and 92 – Assessment of Air Quality Impacts on Health and the Environment.</p> <p>2) Global Climate Change Area - EPRI's global climate programs deliver essential information on the costs and benefits of policy options as well as on greenhouse gas reduction options to facilitate science-based policymaking and effective technical and business decision-making. Programs in the area include 102 – Global Climate Policy Costs and Benefits and 103 – Greenhouse Gas Reduction Options.</p> <p>3) Land and Groundwater Issues - EPRI's land and groundwater programs provide advanced science and technology for managing the chemical interactions between facilities and their surroundings, protecting natural and human environments, and returning previously contaminated sites to productive use. Programs include 49 – Groundwater Protection and Coal Combustion Products Management, 50 – MGP Site Management, 51 – Transmission and Distribution Soil and Water Issues, and 59 – Plant Multi-media Toxics Characterization (PISCES).</p> <p>4) Water and Ecosystems - Water, watershed, and ecosystems programs yield advanced scientific knowledge, sophisticated analytical tools, innovative methodologies and field-proven technologies for integrated management of water resources, energy facilities and natural ecosystems. Programs include 53 – Mercury, Metals and Organics in Aquatic Environments, 54 – Section 316(a) and 316(b) Fish Protection Issues, 55 – Watershed Management and Water Resource Sustainability, 56 – Integrated Facilities Water Management, 57 – Rights-of-way Environmental Issues in Siting, Development and Management, and 58 – Hydropower Environmental Issues.</p>

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES560301	\$3,217	\$145	Climate Contingency Roadmap	Continue the effort to provide greater understanding of the links between climate change and the electric sector that will be essential for making sound decisions about climate policy and compliance measures. In particular, look at the role of the electric sector in climate change, at the societal impacts of climate policy proposals, at the capabilities and costs of various emission reduction options, and at incentives for developing and deploying climate-related technologies.
RDES560401	\$1,915	\$75	MIT Climate Change Program	Support EPRI and the Massachusetts Institute of Technology's Joint Program on the Science and Policy of Global Change in their efforts to develop tools for assessing the potential costs and benefits of global climate change policy proposals. Refine those tools and apply them to new issues as they arise.
RDES560501	\$61,761	\$2,299	Ash Pond SCR Ammonia Mitigatio	To monitor the effect of power plant inputs on ash pond water quality and determine the effects on pollutant assimilation and pond treatment efficiency. Specific studies to encourage the maximum ammonia mitigation potential of the Amos fly ash pond will continue. Efforts will be made to optimize pond characteristics and nutrient levels to achieve the best ammonia reductions through algal assimilation and bacterial nitrification. Novel approaches exist to sequester selenium, mercury, and other metals into ash sediments. Several strategies will be tested at AEP sites and a guidance manual, "Integrated Ash Pond Management," will be developed.
RDES560601	\$2,284	\$91	Ohio River Ecological Research	The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Eleven companies, representing 17 facilities, are participating in this innovative, multi-facility, program. Participation in the program will result in the development of in-river fish assemblage and population data along with the simultaneous collection of impingement data. Such a database has never before existed and will permit the analysis of the relationship between fish impingement rates and intake structure design characteristics.
RDES560801	\$60,068	\$1,822	Water Environment Research Fd	Implement benefits of membership in the Water Environment Research Foundation for the following purposes: 1. Development of scientifically sound, flexible water quality standards at the state and federal level. 2. Minimize Company liability by preventing the unnecessary (or scientifically unsound) listing of facility waterbodies on state Total Maximum Daily Loading (TMDL) lists. 3. Maximize wastewater permit compliance and minimize risk of installing costly treatment capital Note: This benefits all generation, including Nuclear and Hydro
RDES560901	\$9,997	\$375	EMF Health & RF Safety	Perform and assess research on EMF health effects, including contact currents and selection bias as possible explanations for a reported association between magnetic fields and childhood leukemia. Enhance analytical tools for the calculation of electric and magnetic fields.
RDES561001	\$289	\$0	Occupational Health & Safety	This program identifies injury and illness trends, designs ergonomic interventions, and addresses in-depth issues specific to understanding and more efficiently managing occupational health and safety activities. Products such as EPRI's Ergonomic handbooks, which detail best-practice procedures for strenuous electric power company tasks, allow companies to reduce workplace injuries, improve worker health, and control labor-related costs. Issues pertinent only to the electric utility industry like coal ash
RDES561101	\$337,638	\$16,079	General Mercury Science & Tech	To better prepare AEP for compliance with the Clean Air Mercury Rule and other regulations on emissions of mercury by characterizing mercury emissions from various configurations of plant equipment and coal types, examining the effect of environmental controls on mercury emissions, helping in the development of cost-effective mercury monitoring systems, testing various types of mercury sorbents, participating in tests of control technologies at a Texas lignite plant and at the Rockport plant, and traveling to sites where mercury control and monitoring equipment is being demonstrated.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES561201	\$230	\$10	Mercury Sorbent Testing Facili	The U.S. Environmental Protection Agency finalized rules in the spring of 2005 regarding the release of mercury into the atmosphere from coal-burning power plants. In some cases, the only currently known method of removing mercury from a flue gas stream is by injecting sorbents into the stream and then removing the mercury-laden sorbents in an electrostatic precipitator. There is still much to learn about the use of such sorbents, including which sorbents are effective, the best methods of injecting the sorbents, and the effects of sorbent injection on other systems. The use of sorbent injection for mercury control has not been proven under the conditions found at Conesville Plant. This study involves a collaboration with the Department of Energy, several companies involved in the design of mercury control and measurement systems, several sorbent suppliers, three other utilities, and EPRI to learn more about sorbent injection in full scale application at Conesville Unit 6.
RDES561301	\$10,217	\$530	MerCCIG	The Mercury Characterization and Control Interest Group (MerCCIG) is a collaboration with EPRI and other utilities to find timely and cost-effective solutions to problems related to mercury emissions from coal-burning power plants, including characterization of mercury emissions in plants of various configurations and with varying coal feeds, measurements of mercury emissions, and the chemistry of mercury in flue gas.
RDES561401	\$1,834	\$88	Mercury Deposition Modeling	Obtain technical information on the extent and magnitude of near and far-field deposition of mercury near selected AEP coal-fired power plants. Specific objectives are: 1) use information to address concerns of mercury "hot spots"; 2) identify how mercury deposits as a function of plant-specific operating characteristics and flue gas/plume chemistry; and 3) provide quantitative information on environmental benefits of SCR/FGD installations.
RDES561501	\$2,500	\$130	Aerosol Emissions Ctrl Int Grp	The Aerosol Emissions Control Interest Group (AECIG) is a collaborate effort with EPRI and other utilities to find timely and cost-effective solutions to problems related to emissions of aerosols. In particular, sulfuric acid aerosols from coal-burning power plants, including measurement of sulfur trioxide emissions, methods of controlling SO3 emissions, and the chemistry of formation of sulfur trioxide in flue gas.
RDES561601	(\$409)	(\$25,867)	Demo Sieving Electrosta Precip	Demonstrate the technical feasibility of a new type of electrostatic precipitator invented by Professor Hajrudin Pasic at Ohio University by installing a pilot unit on a slipstream at an AEP power plant in Ohio, most likely the Conesville Plant.
RDES561801	\$2,503	\$105	Tech Supp Cont Hg Monitor Demo	Assist the EPA and its contractors in developing a comprehensive field demonstration of certifiable continuous mercury monitors (CMMs) at two power plant sites that will address the recently identified impediments to commercial application of CMM technologies. Specific objectives include: 1) Development and documentation of Hg calibration and linearity procedures; 2) Drafting of an instrumental reference method for annual relative accuracy audits (RATA); 3) Documentation of reliability, operability and performance characteristics of the CMM, Ontario Hydro Method and Draft Method 324 (QSEMS), for low level detection limits, typical of utility mercury emissions
RDES570301	\$157,065	\$7,157	Assess SeleniumBioaccumulation	This study will evaluate the compliance risk of AEP wastewater discharges being subject to U.S. EPA's forthcoming fish tissue water quality criterion for selenium. While the criterion is not expected to be finalized until 2008 or 2009, some states in the AEP service territory have already begun analyzing fish for selenium content to determine locations where the criterion could be exceeded. West Virginia DEP has studied the fly ash receiving streams at Amos and Mitchell Plants, and determined that fish have very high selenium levels at these locations. This study would evaluate locations where compliance with the upcoming criterion would be problematic. With this information, permitting and regulatory options for achieving compliance (for example, site specific criteria) can be assessed before a non-compliance situation actually happens. At facilities being retrofitted with wet FGD systems, levels of selenium in wastewater discharges are expected to increase due to the transfer of selenium from flue gas to the FGD absorber vessel.
RDES570401	\$8,000	\$362	MANAGES Forum	Proposed new federal guidelines for coal combustion byproduct disposal in landfills and impoundments will increase compliance requirements, including data management and reporting, groundwater assessment, and, in some cases, remediation. The MANAGES Forum will provide continuing high level support for compliance managers in the form of software, training, webcasts and workshops, and an online groundwater monitoring and assessment guidance manual.

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RDES570501	\$15,684	\$673	Invest Chgs in PCB CongenerMix	Polychlorinated biphenyls (PCBs) were at one time in wide use in utility and non-utility applications, but have been phased out and are no longer available for utility use. Some PCBs remain in equipment, however. There are many different PCB species, or congeners, some of which are more toxic than others. Over time, the mix of PCB congeners may change, which could result in changes in the risk to human health and the environment. It is important to understand the changes that take place in the mix of PCB congeners over time. This project will withdraw samples of PCBs from equipment and determine the changes in the congener mix that have taken place.
RDES570601	\$25,000	\$1,106	Infl of SO2, Nox & Acids on PM2.5	The EPRI Aerosol Research and Inhalation Epidemiology Study (ARIES) indicated that adverse health effects related to particulate matter are more associated with carbonaceous compounds, including organic components, than with inorganic components such as sulfate and nitrate. Some laboratory experiments, however, have suggested that acids promote the formation of secondary organic aerosols (SOAs). The purpose of this study is to examine both the chemistry of the influence of SO2 on such SOA formation, and the health effects of exposure to SOAs formed in the presence or absence of acids, SO2 and NOx.
RDES580601	\$190,500	\$11,145	OhioRiverEcologicalResearchPrg	The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Schedule will include winter sampling, which has only been done once in the history of the program.
RDGA260001	\$269,293	\$8,296	Adv. Generation Prog. Mgmt	This line item is used for the Advanced Generation R&D Program (AG) pre-project R&D development efforts and to track and manage misc. AG R&D projects < \$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the Advanced Generation Management function. It is also used to track participation at general conferences and other trips associated with the Advanced Generation program. The scope of this charter includes: 1) Fees and travel expenses for conferences and meetings related to AEP's advanced generation activities. 2) Opportunities to participate in R&D projects that arise during the year. 3) Coverage of travel expenses related to EPRI Advanced Generation programs.
RDGA260101	\$138,941	\$4,466	Adv Gen EPRI Annual Research	The Advanced Generation selection from the EPRI Annual Research Portfolio consists of Program 9: Technology-Based Business Planning Information & Services (aka Technology Assessment Guide, or TAG). The EPRI TAG provides performance and economic information about most generation technologies. The TAG-Supply® Database and Software currently covers 24 categories—including all major fossil and nuclear plant types, several energy storage technologies, small-scale generation options, renewable resource technology
RDGA260201	\$112,559	\$5,054	Coal Utilization Research Coun	The Coal Utilization Research Council (CURC) was formed in 1997 as an ad-hoc group to act as an industry voice for R&D needs associated with the role of coal as a sustainable energy source for electric power generation as well as the transportation and chemical industries. CURC members include utilities, equipment suppliers, coal companies, universities, and other energy-related companies and consortiums. The CURC provides its members with a respected, influential forum in which they work to ensure the continued viability of coal. In a collaborative effort to define future technologies to effectively use coal, the CURC has put together a comprehensive strategy for coal research and development. CURC representatives meet with members of Congress and Fossil Energy in the DOE to provide input to the nature and level of R&D funding for coal-related research. In development of authorizing legislation, appropriations bills, regulatory initiatives and annual federal budget proposals, the CURC is recognized for providing accurate information and creative ideas to advance coal-related technology

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA260601	\$23,156	\$746	Technology Assessment Guide	The EPRI Technology-Based Business Planning Information & Services (aka Technology Assessment Guide, or TAG) provides performance and economic information about most generation technologies. The TAG-Supply® Database and Software currently covers 24 categories—including all major fossil and nuclear plant types, several energy storage technologies, small-scale generation options, renewable resource technologies, and transmission and distribution facilities—with nearly 100 distinct configurations of process technology, fuel, and location.
RDGA260701	\$4,185	\$214	Geologic CO2 Sequestration P2	This is an on-going project (co-funded by the DOE and led by Battelle) that is investigating the feasibility of safely injecting and storing CO2 in deep salt water-laden rock formations. The project is located at AEP's Mountaineer plant in New Haven, WV. To date, the project has: <ul style="list-style-type: none"> • Compiled and reviewed pre-existing information on above ground and subsurface geologic, hydro geologic, and geo chemical parameters of interest in our operating area. • Selected a location for drilling a deep well to characterize the host reservoirs and cap rock formations that can be used for injection containment, and monitoring of CO2 for a long-term experiment. • Conducted a preliminary assessment of coal bed sequestration opportunities in the vicinity for the selected site. • Obtained subsurface data required for the regulatory permits and baseline monitoring through the use of borehole logs, reservoir testing, and seismic analysis (surveys). • Conducted reservoir simulations and geo chemical assessments to predict the fate of injected CO2 and determine operational parameters for CO2 injection and monitoring. Phase 2 covers a feasibility study to install a 30-50 ton/day slip-stream carbon scrubber at the plant to conduct test injections of CO2 into the deep well.
RDGA260901	\$33,000	\$1,464	MIT Carbon Sequestration Init	The Carbon Sequestration Initiative (CSI) is an industrial consortium formed at MIT to investigate carbon management strategies and carbon sequestration technologies. The consortium currently has nine members: American Electric Power, Electricité de France (EDF), EPRI, Exxon Mobil, Ford Motor Company, General Motors, Peabody Energy, ChevronTexaco, and Total FinaElf. Contractually, the CSI operates in three-year planning phases, administered through MIT's Laboratory for Energy and the Environment (LFEE). Phase I began July 1, 2000 and the second three-year phase for the CSI began on July 1, 2003. The CIS provides access to significant research in the areas of carbon capture, carbon sequestration, and public policy. It is sponsoring special studies at the direction of the CSI members by MIT graduate students. Because Howard Herzog is a member of the IPCC it also provides up-to-date status reports on those activities.
RDGA261001	\$148,715	\$7,202	FutureGen - Cost Share	On February 27, 2003 Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA261101	\$5,781	\$276	FutureGen - Non-Cost Share	<p>On February 27, 2003, Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p> <p>Under the terms of the Cooperative Agreement, there are certain charges that are not allowed to be included in the industry 26% cost share. These include charges that may be necessary to complete the work, but are not included in the Statement of Work or are allowed as part of the 10CFR600 regulations. Examples are lobbying expenses and travel costs exceeding the DOE approved maximum amount. This work order is to track such time and charges.</p>
RDGA271301	\$50,383	\$2,332	Oxy-Coal Pilot Demonstration	<p>AEP will become an active member of the Babcock & Wilcox (B&W) Oxy-Coal Advisory Group. AEP will work with B&W in connection with the development of oxy-coal combustion technology. B&W will make modifications to its Clean Environment Development Facility in Alliance, Ohio by July 2007 and complete testing for a 30MW (thermal) pilot demonstration of the technology in August 2007. A detailed report will be issued September 2007. AEP and B&W will follow the demonstration with a retrofit feasibility study and selection of an existing AEP plant site for commercial-scale installation of the technology should the demonstration prove successful. That study will be funded by a separate capital account.</p>
RDGA271401	\$293,058	\$16,943	Oxy-Coal Feasibility Study	<p>AEP is an active member of the Babcock & Wilcox (B&W) Oxy-Coal Advisory Group. Furthermore, AEP and B&W will work together on a retrofit feasibility study and selection of an existing AEP plant site for commercial-scale installation of the Oxy-coal technology based upon a successful pilot test at the B&W Alliance Research Center. An initial report will be issued by the end of December 2007, with a recommendation whether to proceed with the commercial demonstration project. Upon management concurrence, that project will be funded by a separate capital improvement requisition. AEP plans to submit an application to the DOE for Clean Coal Power Initiative (CCPI) Round 3 funding in the event that management concurs to proceed with the commercial demonstration project. AEP and B&W will work together in submitting this application for funding.</p>
RDGA271501	\$50,000	\$0	CrystaSulf-DO Evaluation	<p>AEP is interested in evaluating direct oxidation (DO) technologies in conjunction with the development of IGCC facilities. This direct oxidation technology has the potential to reduce the level of hydrogen sulfide in the treated gas and directly convert the captured hydrogen sulfide to elemental sulfur. If successful, the direct oxidation technology would replace the acid gas removal and sulfur recovery blocks in an IGCC plant. AEP is contributing the sum of \$50,000 as part of \$800,000 that will be used to evaluate this process and determine commercial viability.</p>
				<p>The Federal and State Governments have pending legislation for the reduction of Carbon Dioxide (CO2) emissions including legislation introduced by Senator Jeff Bingaman (D-NM) to reduce CO2 emissions to 1990 levels by 2030. In an effort to address the pending legislation, AEP has started several projects to investigate the feasibility of retrofitting CO2 capture and geologic storage equipment on its existing coal burning power plants. These projects include the Mountaineer CO2 Capture and Geologic Storage Project which involves developing Alstom's Chilled Ammonia Process (CAP) to capture CO2 from a portion of the plant's flue gas and permanently storing the CO2 underground in geologic formations. If Alstom's CAP proves successful at Mountaineer, AEP plans on installing the equipment on a larger scale at its Northeastern Station in Oologah, Oklahoma.</p>

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA271601	\$91,649	\$4,216	EOR Feasibility Study	However, the CO2 capture retrofits will likely have high parasitic loads and require substantial capital investments, the effects of which may be passed on to customers. In order to offset these effects, AEP is looking at potential uses for the captured CO2 without releasing it to the atmosphere. One opportunity is the use of CO2 for Enhanced Oil Recovery (EOR). The price of CO2 for EOR is one of the inputs in the economic analysis to determine which plants AEP can economically retrofit CO2 capture equipment. In the process of establishing a unit cost for CO2, AEP has identified the need to better understand the overall potential of oil fields in our areas of operation as well as to quantify the Enhanced Oil Recovery (EOR) economics from the Oil Producer's perspective. AEP would like to evaluate EOR opportunities in our western region, Oklahoma, Louisiana, Arkansas, and East Texas as well as in our eastern region including Ohio, Virginia, West Virginia, Indiana, and Eastern Kentucky to determine the business opportunity for selling CO2 for EOR.
RDGA360001	\$40,664	\$1,305	Gen Asset Mgmt - Prog Mgmt	This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R&D projects costing <\$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences for the AEP EPRI Advisors.
RDGA360101	\$371,089	\$12,465	GAM EPRI Annual Research Portf	The Generation Asset Management (GAM) selection from the EPRI Annual Research Portfolio includes: 1) Fleet-Wide Monitoring Interest Group - The purpose of the project is to provide industry information relating to remote monitoring of generation assets and condition assessment of those assets to optimize reliability and performance from the information derived from the monitoring. Areas that are being initially emphasized are thermal performance monitoring, equipment condition assessment, document management, and maintenance planning. Another aspect is to evaluate the value of central monitoring. 2) Boiler Life and Availability Improvement Program - This program develops technology and guidance that allows participants to safely manage boiler component life for high reliability and reduced O&M costs. Technology development efforts will focus on advanced inspection techniques to identify component damage early and accurately; analysis tools to predict component remaining life and in-service failure risk; decision support tools that allow AEP to balance risk and economic benefits under a variety of plant operating scenarios and conditions; and repair techniques designed to maximize component economic life. 3) Fossil Materials and Repair - Acquire through EPRI membership in P87.001 and P87.002 the most current guides for materials selection guidance, corrosion mitigation methods, and repair techniques needed to improve equipment performance, reliability, and ultimately profitability. 4) HRSG Dependability - The HRSG Dependability program is to provide technology that will address chemical issues for both tube and turbine failures; provide operating procedure support for cycling and thermal fatigue issues; provide guidance for abnormal cycle chemistry events; and provide repair and NDE tools to aid in the inspection and repair of HRSG components. 5) Boiler and Turbine Steam And Cycle Chemistry - Participation in this program provides the opportunity to access the EPRI knowledge base across the wide breath of this target. Simultaneously, it provides the ability to leverage research expenditures by collaboration with others in the industry. Finally information generated by this program aligns with the AEP initiative to have zero water chemistry related tube failures by 2006
RDGA360401	\$9,449	\$482	Wireless Pipe Hanger Monitor	Further develop and demonstrate the Wireless Pipe Hanger Monitor at AEP Fossil Plants. Integrate Pipe Hanger Monitor pipe position indication with the LFE calculation for more accurate stress estimates.
RDGA360501	\$4	\$0	Guide for App of WiFi in Plant	Develop a guideline for the application of wireless sensors and wireless communication within the plant environment. Guideline is to be compatible with Plant I&C and IT/Telecom requirements.

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RDGA360601	\$3,340	\$112	GSU Health Monitors	Develop alarm criteria from the GSUHM data set that will be used to provide alarm indications to fossil plant & engineering personnel. The GSUHM System will provide low-cost diagnostics on critical devices. In particular this project is targeted at demonstrating the necessary components needed to monitor and provide early warning alarm indications on the health of AEP's Generator Step-Up Transformers.
RDGA360801	\$10,677	\$530	Circumferential Waterwall Crac	The objective of this project is to demonstrate the optimum approach to identifying the root cause of the thermal fatigue cracking of waterwall tubes in supercritical boilers. This will involve monitoring temperature, strain and heat flux during typical operating regimes to identify the "time in operating space" which causes thermal fatigue cracks to initiate and propagate. Solutions will be tested using the same monitoring tools. The approaches used will be applicable to other boilers with and without weld overlay, with and without low NOX burners, and whether the unit is operating with OT or not.
RDGA360901	\$1,164	\$48	Waterwall Tube Corrosion	The objective of this project is to develop and demonstrate a roadmap approach to optimizing the corrosion fatigue life of waterwall tubes in subcritical boilers. The outcome will be an approach to assessing corrosion fatigue failures in other boilers than the subject boiler of the project, which AEP will be able to adopt in other plants.
RDGA370501	\$26,439	\$0	GE FA Compressor Dependability	The GE 7FA combustion turbine compressors have a history of first row (R0) failures. GE has attempted to address the cause of these failures through material and geometry changes as well as attempting to manage erosion of the leading edge. The number of failures has raised fundamental questions concerning the design of the blades. This project is to provide a third party investigation into the R0 blade design and to help define the root cause of failure and to develop solutions to mitigate the problem.
RDGA380301	\$150,000	\$6,300	O&M Excellence(OMX)-PlantView	Upgrade PlantView software to support the goal of improved remote monitoring of plant operations and condition assessment leading to informed decision making for short term and longer term actions including risk-based decision making. Also, to develop tools to both help in the evaluation of advanced diagnostic tools as well as enhance the use of advanced diagnostic tools.
RDGA580301	\$45,000	\$0	Biodiesel for GasTurbines Test	This project is undertaken to study the effects of biodiesel use in a combustion turbine on startup, shutdown, and stable load for varying blends of biodiesel and petroleum diesel. A combustor rig will be set up for longer term testing of emissions and blade deposition. Biodiesel may help produce electricity from renewable fuels as well as lower emissions.
				<p>Collaborative R&D within the nuclear power industry ensures that nuclear power is an economically feasible option within the current and future generation mixes. To this end, EPRI develops cost-effective technology for safe and environmental friendly electricity generation that maximizes profitable utilization of existing nuclear assets and supports promotion and deployment of new nuclear technology. EPRI's Nuclear Power program centers on seven key business objectives.</p> <ul style="list-style-type: none"> • Maintain nuclear plant safety • Maximize productivity of existing assets • Facilitate waste disposal • Maintain critical infrastructure • Evaluate evolutionary and new designs • Improve risk management • Optimize fuel utilization <p>Based on these key objectives, the EPRI 2006 Nuclear Power Program Portfolio consists of the 11 strategic technical areas listed below. For each of the areas, the EPRI Nuclear Portfolio contains information on the Strategic Content and the associated Barriers to Overcome. For each of the Barriers there is a description, planned or ongoing activities and major solution elements.</p>

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDNU560101	\$1,259,332	\$0	EPRI Nuclear Annual Research	<ul style="list-style-type: none"> • Materials Degradation/Aging • High Performance Fuel • Radioactive High Level Waste and Spent Fuel Management • NDE and Material Characterization • Equipment Reliability • I&C Hardware and Systems • Nuclear Asset/Risk Management • Safety Risk Technology and Applications • New Nuclear Plant Deployment • Environmental Benefits • Low Level Waste and Radiation Exposure Management
RDRE560001	\$45,059	\$1,462	Renewables Program Management	This is used for Renewable Energy Resources Initiative (RERI) pre-project R&D development efforts and to track and manage misc. RERI R&D projects costing < \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the Renewable Program Management function. It is also used to track participation at general conferences associated with Renewable Program Management, especially EPRI conferences in the AEP RERI area.
RDRE560101	\$64,148	\$2,151	EPRI Renewable Energy Base Pgm	This project charter supports AEP's renewables involvement with EPRI, namely: PS 84.001 Renewable Energy TAG – provides a basic reference for technical and economic assessment of renewable energy generation technologies PS 84 D Biomass Energy – provides industry reference and contacts for renewable energy generation, most notably biomass co-firing
RDRE560301	\$15,550	\$756	PC Biomass Separate Injection	Determine the feasibility, costs, and equipment for separate injection of a pulverized coal (PC) unit with alternate fuels (e.g., biomass, tires, sludges). Determine fuel supply, fuel characteristics, preliminary costs, materials handling equipment, emissions and unit performance impacts, safety/interlocks, and economic feasibility. Separate injection allows a higher alternate fuel percentage into the steam generator above that which can be co-fired through the pulverizers. It also should provide for increased fuel flexibility. Location to be determined.
RDRE570001	\$19,908	\$677	2007 Renewable R&D ProgramMgmt	This is used for Renewable Energy Resources Initiative (RERI) pre-project R&D development efforts and to track and manage misc. RERI R&D projects costing less than \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the Renewable Program Management function. It is also used to track participation at general conferences associated with Renewable Program Management, especially EPRI conferences in the AEP RERI area.
RDRE570101	\$9,666	\$328	2007 EPRI Renewabl Annual Port	This project charter supports AEP's renewables involvement with EPRI, namely: PS84.001 Renewable Energy TAG - provides a basic reference for technical and economic assessment of renewable energy generation technologies. PS 84 D Biomass Energy - provides industry reference and contacts for renewable energy generation, most notably biomass co-firing.
RDTA560001	\$22,014	\$669	Trans. R&D Program Mgmt	The money allocated to this project will be used to fund new activities or projects that develop as the year 2006 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2006 budget cycle.
				Expense - Transmission related projects from the EPRI Annual Research Portfolio include: 1) Lightning Performance of Transmission Lines and Transmission Line Surge Arresters - seeks to increase the reliability of new and existing overhead transmission lines by generating engineering tools that address the leading causes of transmission circuit outages; lightning and grounding. 2) Polymer/Composite Insulator Performance - seeks to extend polymer and composite component life expectancy and avoid outages due to premature failure through improved selection, application, and inspection. 3) Underground (UG) Transmission Workstation and Reference Manual - will develop reference information on underground design and maintenance

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA560101	\$16,170	\$526	Trans EPRI Annual Research Por	4) Thermal & Mech. Stresses in Extruded UG Cables - develop information and software tools to help mitigate harmful stresses through proper system design, such as optimal clearance between cable and duct and optimal placement of manholes. Results will apply to 69kV ~ 345kV cable systems. 5) Live Working Research for T-Equipment - developing new live-line techniques and technologies for the maintenance and refurbishment of energized transmission lines. 6) Switching Safety and Reliability - goal is to learn about the industry's human error prevention programs and employ the learning to reduce relay misoperations caused by human errors.
RDTA560201	\$871	\$28	CEA Life Cycle Mgmt Stat Equip	Canadian Electric Association (CEA) Life Cycle Management of Station Equipment and Apparatus Interest Group (CEA LCMSEA), an on-going interest group is a low overhead collaborative effort focused on member driven station equipment, maintenance, tools, asset management techniques, benchmarking, diagnostics, and life extension. Projects are defined and contract awards made to investigate and deliver solutions, knowledge, tools, evaluation and techniques for defined issues. Projects are usually completed within 1 year.
RDTA560401	\$812	\$26	PSerc	PSerc (Power Systems Engineering Research Center) is an NSF sponsored university (13)-industry (38 members) consortium. Participation in PSerc provides AEP access to experienced university researchers in leading electric power programs across the U.S., results of collaborative member defined and approved low overhead R&D projects, and access to leading students for both intern and permanent employment positions. Participation in PSerc is a valuable element of a balanced portfolio of AEP internal and external R&D plays.
RDTA560501	\$243	\$8	IEC 61850 Network Mgmt Capabil	Network Management to support Communications to/from Substations using the International Standard IEC 61850. This is related to the EPRI sponsored IEC 61850 Projects. 2005 work includes identification and development of network management requirements for deployment and maintenance of IEC 61850 devices to be applied at AEP substations. 2006 work will focus on developing detailed design documents to address the requirements. The project goal is to enable network management technology in substations.
RDTA560601	\$620	\$20	IEC 61850 Testing Project	Communications to/from Substations using the International Standard IEC 61850. This is a continuation of the EPRI sponsored IEC 61850 Testing Project. The current testing procedures require expansion and specification addition. Additional capability to be added to the current testing tools at AEP/Dolan for IEC 61850. Develop, jointly with industry partners, tools and techniques to provide capability for IEC 61850 Interoperability Testing at AEP/Dolan Test Facility. Funding will also help with the development of users guides for the specification of IEC 61850 products in coordination with the UCA International Users Group. Currently AEP/Dolan is setup for the initial phases of conformance testing only
RDTA560701	\$1,230	\$40	Digital Process Bus-Substation	An all-digital input data bus (IEC 61850-9.2) will be installed between the NxtPhase optical instrument transformers (345kV VT, CT) transducer outputs and station IEDs (Landis & Gyr revenue meter and a GE D-60 relay), modified for direct digital data input. Performance will be compared to the conventional installed low energy analog (LEA) and high-energy analog (HEA) systems. Results will be documented by AEP, GE, NxtPhase and a PSerc project team (part of a parallel PSerc Project - T 29). This is a logical extension to the UCA Station LAN implementation and the comparison of optical and conventional instrument transformer performance.
RDTA560801	\$146	\$5	Visual & Decision Support Sys	Working with other utilities and vendors to develop a reliable visualization tool that will be used by system dispatchers and operators on the AEP transmission system. The development of this technology, as mandated by FERC & NERC, will allow system operators to respond more rapidly and make better decisions based upon the information that is being feed to the control center. These tools will also provide the system operator a 'look into the future' with trending. Trending will look at the present system conditions and determine that if all things remain the same, then in X number of hours your system will be in a certain condition. This will allow system operators to be 'proactive' instead often 'reactive'

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA560901	\$64,357	\$298	Devel T Plan&Ops Tools-Phasor	1) Develop tools and techniques to analyze data captured by AEP phasor monitoring units (PMUs) and apply the tools and techniques in planning (off-line) and operations (real time) environments. 2) Participate in the DOE-sponsored Eastern Interconnection Phasor Project (EIPP), which is facilitating development of a phasor data network in the Eastern Interconnection (EI). The vision of EIPP is to improve power system reliability through wide area measurement, monitoring and control.
RDTA561001	\$916	\$11	Trans BPL for SCADA & Relaying	Determine the applicability of BPL (broadband power line carrier) for select subtransmission SCADA and protective relay applications. This is follow-on work to preliminary tests of BPL on an AEP 69kV line in late 2003 to quantify propagation characteristics. Based on the current project's test results (required distances between repeaters, attenuation, unwanted signal radiation patterns, reliability and system costs), we will decide if future AEP BPL SCADA and protection installations on subtransmission lines add value. Amperion BPL will be installed on the Chemical - S. Charleston 46kV line (< 1 mile long) as part of a larger NETL/DOE Modern Grid Technologies demonstration project with AEP Distribution and Dolan Technology Center. SCADA data will be transferred between the stations via BPL and the BPL channel will operate in parallel with the existing pilot wire line protection scheme. Technical and cost performance will be compared, documented and reported.
RDTA561201	\$676	\$22	Transmission Line EMI Survey	Develop low cost EMI/GPS tools that will assist the Transmission Business Unit when performing aerial/ground inspections of transmission lines to detect deteriorated line hardware, insulators, conductors, and broken strands. Results will enable reliability based maintenance, improved productivity, etc. Electromagnetic Interference (EMI) has proven to be a valuable tool in problem diagnostics of rotating electrical machinery. Energized transmission line components that are in a failure mode, in corona, contaminated or intermittently shorting to ground (as during tree contact) will emit EMI as well. The EMI/GPS inspection tool is a device that will record EMI magnitude and spectral components as well as the location of the source of that interference for future plotting and analysis. This provides a low cost tool for transmission personnel, as it allows for the automatic collection of EMI data from failing equipment in an efficient manner as part of a routine aerial or drive-by inspection. Plotting of this data gives a visual map showing where the EMI activity is occurring and will assist in trending this activity. As activity increases, follow-up inspections could identify a potential failure before it has time to degenerate to the point of a forced line outage. This would allow for planned mitigation of the imminent fault. This project will continue to gather and analyze EMI data from several T lines to determine the value of EMI/GPS as a diagnostic tool for AEP
RDTA561301	\$140	\$5	Gallopng Conductor Mitigation	Install galloping mitigation attachments to a selected 345kV span in Indiana to evaluate effectiveness, longevity and maintainability. Two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers will first be electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance. Based on the test results, several units of one of the designs will be installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 kV circuits. Ground clearance of the conductor will be measured and a stationary video camera will record its motion as compared to that of the conductors with no spoilers installed. Results of the project will be used to make BU Air Flow Spoiler purchase and deployment decisions for lines prone to galloping. Note: As a result of the DTC electrical testing, TLESMM recommended that non-EHV spoilers be installed on 3 phases of a 345 kV line at Columbia Center to monitor for corona and audible noise. Therefore, the project scope and cost have increased to \$12,000, compared to \$1,000 when the project proposal was submitted in 08/05.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
				<p>This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs.</p> <p>The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.</p>
RDTA561401	\$36,807	\$1,198	High Temp Superconducting Cabl	
				<p>SuperPower is developing a High Temperature Superconducting Fault Current Limiter for a 138 kV application. Sporn 138 kV station, where 9 breakers are under-rated, has been selected as the likely demonstration site. If this technology is developed and successfully tested, it will provide an alternative to breaker replacement at Sporn and some other stations, depending on the MFCL cost. In addition, successful demonstration of this technology will provide a giant step in the application of superconductivity, and it will add to the understanding of the voltage insulation characteristic in liquid nitrogen.</p>
RDTA561501	\$865	\$28	HTS Matrix Fault Current Limit	
				<p>To devise an analytically rigorous and automated means of determining voltage control areas and associated dynamic reactive reserve requirements for on-line EMS application. This project is a continuation of an EPRI project by the same name and subject (Phase 1). AEP participation will consist of Phase 1 completion and Phase 2. Remaining work on Phase 1 is to consist of completion of the algorithm to determine generator reactive reserve allocations, and further testing of both voltage control area and reactive reserve algorithms. The objective of Phase 2 is to apply intelligent system techniques to speed the analysis sufficiently to enable its application in an on-line environment.</p>
RDTA561601	\$10,164	\$331	Reactive Pwr Mgmt, Phases 1-2	
				<p>The money allocated to this project will be used to fund new activities or projects that develop as the year 2007 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2007 budget cycle.</p>
RDTA570001	\$74,515	\$2,344	Transmission RD&D Program Mgmt	
				<p>Integrated Monitoring & Diagnostics (P37.007) - The purpose of this project is to examine techniques for monitoring as many different components in a substation with as few sensors as possible, which is complementary to the projects examining inspection tools for specific components such as transformers or circuit breakers. The target of this project is to optimize applications of the sensors in substation. The concept of station-wide monitoring is to provide the low-cost screening tool that will trigger more detailed inspections at the component level. The unique focus of this project is on inspection tools that cover an entire substation, rather than at an individual component level. Life Extension fo Existing HVDC Systems (P162.001) - This project will address the life extension of HVDC systems in a systematic method. Sharing experience and practices across utilities provides one of the most cost effective ways of ensuring that best-of-class field practices permeate across the global industry. The final goal of the project is to prepare "Life Extension for HVDC System, " which is expected to facilitate the proevss of refurbishing of existing HVDC equipment.</p>
RDTA570101	\$189,899	\$6,180	Trans 2007 EPRI Annual Portfol	
				<p>CEA LCMSEA- CEA Life Cycle Management of Station Equipment and Apparatus Interest Group. This on going interest group is a low overhead collaborative effort focused on member driven station equipment, maintenance, tools, asset management techniques, benchmarking, diagnostics, and life extension . Projects are defined and contract awards made to investigate and deliver solutions, knowledge, tools, evaluation and techniques for defined issues. Projects are usually completed within 1 year.</p>
RDTA570201	\$33,068	\$1,076	CEA LCMSEA	

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA570301	\$15,229	\$496	CEA TLAMIG	CEA (Canadian Electricity Assoc.) T Line Asset Management Interest Group ("TLAMIG") is a low overhead collaborative focus on member-driven transmission line maintenance needs and problems. AEP funded 2006 projects in reliability effects of defective line insulators and an asset management approach to tower painting. Several promising projects will be funded in 2007, including the deployment of a transmission line hardware failure reporting database for the detection of trends in line equipment failure modes.
RDTA570401	\$67,786	\$2,206	PSerc	PSerc (Power Systems Engineering Research Center) is an NSF sponsored university (13)-industry (38 members) consortium. Participation in PSerc provides AEP access to experienced university researchers in leading electric power programs across the U.S., results of collaborative member defined and approved low overhead R&D projects, and access to leading students for both intern and permanent employment positions. Participation in PSerc is a valuable element of a balanced portfolio of AEP internal and external R&D plays
RDTA570501	\$33,645	\$1,095	IEC61850 Network Mgmt Capabili	Network Management to support Communications to/from Substations using the International Standard IEC 61850. This is related to the EPRI sponsored IEC 61850 Projects. 2005 work includes identification and development of network management requirements for deployment and maintenance of IEC 61850 devices to be applied at AEP substations. 2007 work will focus on developing detailed design documents to address the requirements as part of a pilot project. The project goal is to enable network management technology in substations. The focus in 2007 will be on completion of specifications and the start of a pilot demonstration.
RDTA570601	\$38,340	\$1,248	IEC 6185 Testing	Communications to/from Substations using the International Standard IEC 61850. This is a continuation of the EPRI sponsored IEC 61850 Testing Project. The current testing procedures require expansion and specification addition. Additional capability to be added to the current testing tools at AEP/Dolan for IEC 61850. Develop, jointly with industry partners, tools and techniques to provide capability for IEC 61850 Interoperability Testing at AEP/Dolan Test Facility. Funding will also help with the development of users guides for the specification of IEC 61850 products in coordination with the UCA International Users Group. Currently AEP/Dolan is setup for the initial phases of conformance testing only. The goal is to develop capability for the industry to be able to test substation devices for conformance with IEC 61850 protocol. Dolan is providing third-party services to the industry by testing IEC 61850 devices.
RDTA570701	\$52,196	\$1,699	Use of Synchronized Sampling	The purpose of this project is to demonstrate how Intelligent Electronic Device (IED) data can be used to enhance EMS functionality and operator ability to better deal with fault disturbances and other system contingencies, if time-synchronized data sampling is utilized. Advantages of time synchronization of both samples and phasors including automatic data collection and processing will be demonstrated in this project as well. The main focus of this project is new field equipment prototype development, software development for new applications, exploration of new services, and study of economic benefits.
RDTA570901	\$164,028	\$5,160	Phasor Tech: Plan & Ops Tools.	1) Develop tools and techniques to analyze data captured by AEP phasor monitoring units (PMUs) and apply the tools and techniques in planning (off-line) and operations (real time) environments. 2) Participate in the Eastern Interconnection Phasor Project (EIPP), which is facilitating development of a phasor data network in the Eastern Interconnection (EI). The vision of EIPP is to improve power system reliability through wide area measurement, monitoring, and control.
RDTA571001	\$27,012	\$879	Pilot Install - GE Process Bus	This project will research and perform background engineering for a pilot installation of a new product featuring GE Multilin's implementation of the IEC 61850 Process Bus concept. The actual equipment installation and commissioning of the pilot is planned for 2008. This product offers significant potential savings in the Total Installed Cost of Protection & Control systems, including design engineering, drafting, and installation labor. Additionally, this product will simplify testing and will potentially reduce the number of inadvertent protection operations due to incorrect protection, isolation, or restoration.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA571101	\$99,914	\$2,849	BPL Use for Data Transportatio	Explore the use of BPL (Broadband Power Line Carrier) technology for data transport to reduce the use of leased lines and associated O&M costs. Build on the knowledge gained from the 2006 BPL SCADA and Protective Relaying R&D project. Project elements likely will include: 1) further characterization of 46kV, 69kV and 138kV transmission lines as BPL communication channels; 2) performance comparison of single phase and multi-phase BPL coupling 3) optimization of Amperion's BPL system for internal utility data transfers to reduce cost and maximize distances between repeaters. 4) analysis of various options for powering BPL repeaters. 5) exploration of the use of BPL as a transmission line diagnostic tool. 6) through Amperion – Dolan Lab development and testing, qualify BPL components and system for 69kV and 138kV applications.
RDTA571301	\$8,439	\$275	Galloping Conductor Mitigation	Identify the possible use of Performed Air Flow Spoilers to limit/mitigate galloping on a selected 345KV span in Indiana. Summary of 2005/2006 Work: In 2005, two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers were electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance. Based on the test results, 25 units of non-EHV spoilers were installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 kV circuits. Ground clearance of the conductor was measured and a stationary video camera was installed to record its motion as compared to that of the conductors with no spoilers installed.
RDTA571401	\$3,211	\$104	High Temp Superconduct Cable	This project has developed a high temperature superconducting, three phase, triax cable and is in the process of demonstrating its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable is currently operating in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs. The cable and support systems will be removed and the station restored after the 1 - 2 year demonstration is completed.
RDTA571501	\$9,083	\$296	HTS Matrix Fault Current Limi	SuperPower was developing a high temperature superconducting (HTS) fault current limiter for application at an AEP 138 kV station. However, due to aging problems with the superconductor elements, the project was put on hold from mid-2005 to mid-2006. With the viability of the second generation superconductors, the development has restarted. Presently, the Tidd 138 kV station is selected as the likely demonstration site. If this technology is developed and successfully field-demonstrated, it will provide an alternative to breaker replacement at Tidd and some other stations, depending on the MFCL cost. In addition, successful demonstration of this technology will provide a giant step in the application of superconductivity technology and it will add to the understanding of the voltage insulation characteristics of liquid nitrogen.
RDTA571701	\$17,350	\$565	Trans Grid Reliability Metrics	Currently, transmission availability metrics lack standardization, comparability and sensitivity to determine system level availability impacts. The purpose of this project is to improve and advance the retrospective performance assessment tools for transmission reliability impact measurement. This project will develop the fundamental theory including underlying definitions, metrics and data methodology for the comparison of transmission and substation system level and equipment performance. The project will standardize transmission system impact metrics and resulting comparisons through collaborative development of definitions and data methodology.
RDTA571801	\$6,771	\$220	Pwr System Load Modeling, P2	Validate and improve load modeling used in transmission planning and system dynamic studies. This project is a continuation of an earlier EPRI project (Phase I) whose objective is to make use of measured load data captured during system disturbances to improve the accuracy of load modeling.

2007 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA580801	\$75,000	\$2,441	InsptnOf 765kV NCIs w/AvianDmg	<p>The objective of this study is to provide field personnel with inspection parameters which can be applied from a patrol helicopter to determine: 1) When a Non-Ceramic insulator (NCI) with damage to its weather shed can remain in-service and it is reasonable to assume that the insulator will continue to perform its intended service. 2) When an NCI with damage to its weather shed should be removed from service but within a stated extend time frame (for example 2 to 3 years) 3) When an NCI with damage to its weather shed should be removed from service as soon as electrical operations permit but that the insulator will not constitute a reliability risk (for example 6 months) 4) When a NCI with damage to its weather shed should be removed from service ASAP to protect the integrity of the installation.</p>
RDTS561401	\$878	\$29	High Temp Superconducting Cabl	<p>This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs.</p> <p>The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.</p> <p>Part of work order RDTA561401</p>
RDWM201001	\$29,521	\$1,413	DTC Walnut Maintenance	<p>The Walnut Test Facility is owned by Columbus Southern Power. The facility is used by the corporate Utilities R&D program. As such, the expenses and results of work done at the facility are done for the benefit of multiple operating companies. This project/work order will allow for a mechanism to capture the annual costs of maintaining the facility, future investments, and other related annual expenses - e.g. depreciation of the assets that were transferred in accordance with the dissolution of AEP EmTech, LLC. etc. - and expensing them to the appropriate benefiting locations.</p>
Sum:	\$14,137,559	\$548,316		

KENTUCKY POWER COMPANY

Calendar Years	Power Production			Transmission			Distribution			Customer Accounts			Administrative and General			Total		
	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages	No.	Hours	Wages
Prior to Test																		
Year and Test Year																		
5th Year	138	243,011.30	7,857,918.06	54	93,062.90	2,797,012.46	146	296,003.47	9,382,463.05	48	83,870.18	1,959,443.20	37	65,765.75	2,285,974.66	423	781,713.60	24,282,811.43
% Change	5.80%	7.66%	11.40%	1.85%	1.08%	6.90%	25.34%	17.01%	15.91%	12.50%	11.02%	18.75%	0.00%	4.07%	13.84%	12.29%	10.47%	13.45%
4th Year	146	261,617.60	8,754,101.46	55	94,064.30	2,990,039.41	183	346,354.64	10,875,215.61	54	93,108.55	2,326,832.70	37	68,443.25	2,602,339.16	475	863,588.34	27,548,528.34
% Change	4.11%	6.92%	13.26%	1.82%	6.10%	12.00%	-3.28%	-6.96%	-0.89%	18.52%	20.02%	25.54%	43.24%	31.59%	33.85%	5.68%	4.63%	10.52%
3rd Year	152	279,734.55	9,914,461.04	56	99,800.00	3,348,711.18	177	322,246.80	10,778,876.47	64	111,749.24	2,921,196.22	53	90,064.30	3,483,287.42	502	903,594.89	30,446,532.33
% Change	0.66%	2.20%	0.53%	3.57%	1.47%	8.92%	2.26%	5.88%	5.24%	-3.13%	-1.74%	1.58%	-5.66%	2.41%	6.56%	0.40%	2.97%	3.91%
2nd Year	153	285,881.05	9,967,060.74	58	101,268.20	3,647,514.16	181	341,194.70	11,343,965.54	62	109,807.15	2,967,299.68	50	92,238.20	3,711,908.15	504	930,389.30	31,637,748.27
% Change	3.27%	10.42%	15.09%	0.00%	4.82%	7.58%	0.55%	4.89%	16.59%	4.84%	0.02%	10.34%	4.00%	-1.91%	10.15%	2.18%	5.33%	13.74%
1st Year	158	315,662.40	11,471,298.47	58	106,146.18	3,924,032.39	182	357,872.16	13,225,963.90	65	109,828.78	3,274,196.65	52	90,478.85	4,088,701.86	515	979,988.37	35,984,193.27
% Change	-1.27%	-7.63%	-4.46%	-6.90%	-10.14%	-11.92%	-6.59%	-2.91%	-2.33%	-1.54%	2.34%	1.20%	7.69%	13.37%	3.86%	-2.91%	-3.12%	-3.03%
Test Year	156	291,581.15	10,960,195.66	54	95,382.58	3,456,120.55	170	347,471.64	12,917,919.53	64	112,393.35	3,313,624.28	56	102,571.47	4,246,658.10	500	949,400.19	34,894,518.12

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDCP570001	\$376,544	\$15,455	2007 Corporat Tech Program Mgt	Coordination of AEP's: 1) Corporate Technology program and 2) Support the Corporate Technology Council
RDDA570101	\$167,551	\$22,988	Distr 2007 EPRI Annual Portfol	The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes: 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information – event and technology evaluations – that is expected to be useful for the strategic planning of our DER programs.
RDDA570201	\$78,401	\$3,621	2007 CEA Membership & Projects	The CEA is a collaborative of companies that propose and fund research topics. These topics can range from asset management to automation. The purpose of this project is to allocate funding for topics of interest within the Distribution organization. Individual project descriptions will be presented in the comments area of this document when available. CEA = Canadian Electric Association
RDDA570301	\$4,509	\$209	Dist Fault Location System	1. Develop an intelligent, operational, decision-support (fault locator) software tool to identify the location of low impedance, momentary and faults in distribution power systems. 2. Evaluate the use of this approach for high impedance faults.
RDDA570401	\$60,054	\$2,744	2007 NEETRAC Membership	The National Electric Energy, Testing, Research, and Applications Center (NEETRAC) was established in 1996 by the Georgia Tech Research Corporation (GTRC), a cooperative organization of the Georgia Institute of Technology. It is supported by a membership consisting of utility and industrial companies. The purpose of NEETRAC is research, development and testing in areas of interest to the membership and is funded by the Research and Development Baseline Budget from dues collected from that membership. The project selection generally is of a scope that is sufficiently broad as to be attractive to several Members, who are interested in sharing the resulting intellectual property. NEETRAC membership includes both collaborative and directed funding research. AEP's strategy is for NEETRAC to complement the Dolan Technology Center's (DTC) capabilities through research in such areas as cable life extension and other research or testing areas that the DTC is not directly involved in. AEP will be joining NEETRAC as a Corporate - Charter Member with voting rights on the selection and prioritization of projects. NEETRAC is a non-profit corporation.
RDDA571001	\$220,324	\$8,663	Line Equip Investigation Tools	This project is to develop a toolset that can be used to asses the condition of failing distribution facilities. The tools must be safely usable on energized equipment. It must provide a simple pass/fail indication with a high level of certainty in its result.
				Develop a Grid of the Future test facility at Dolan Technology Center that will enable the evaluation of technologies that support AEP's vision of the next generation Distribution network. For 2007: installation of a WiMAX network, demonstration of WiMAX compatibility with standard utility portocols, integration of Advanced Netering Infrastructure components, Distribution Automation components, and Asset Monitoring and Control components. The test bed will include and IP-based control network tat will facilitate AMI, DA, and Asset Monitoring and Control testing.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA571101	\$637,527	\$29,585	Grid of the Future Test Bed	For 2008: the test bed will be extended to include the evaluation of back office solutions (Yukon, Enmac, others), Home Area Networks (HAN), advanced DA and Asset Monitoring and Control, Distributed Energy Resources including Distributed Generation and Storage Technology. The information generated from these evaluations will be used to support decisions on vendor acquisitions, systems compatibility, and overall architecture & system design. Once the utility to HAN interface has been defined, communications into the customer premises will then be evaluated for DSM, DR, and metering applications like real-time pricing, tamper detection, remote connect/disconnect, and outage management. Equipment from multiple vendors will be accommodated.
RDDA571201	\$321,888	\$14,977	AMI Test Bed Development	Develop an Advanced Metering Equipment (AMI) test facility at AEP that creates the in-house capability to evaluate current and future AMI equipment and their supported Distribution applications. The information generated from these evaluations will be used to support decisions on AMI vendor selection and system design. Compatibility of AMI with Distribution Automation equipment will be explored, and Distributed Intelligent Monitoring, Communication, and Control evaluations will be supported. Communications into the customer premises will be evaluated for DSM, DR, and metering applications. Equipment from multiple vendors will be accommodated.
RDDA581501	\$118,565	\$5,170	Green Circuits	This project is a field demonstration on a select number of distribution circuits converted to Green Circuits through various loss reduction methods to determine if losses can be reduced significantly. Loss-reduction approaches could include optimal var reduction using switched capacitors, voltage control, targeted equipment changes (efficient transformers), and targeted design changes (reconductoring or reconfiguring).
RDDA581601	\$3,822	\$176	LED Outdoor Lighting Technology	The purpose of this project is to compare LED versus HID lighting technology for outdoor lighting applications. This will be accomplished through several field installations of LED lights. These installations include the following: 1) Replacing 18 - 480volt, high pressure sodium fixtures with 18 - 480 volt GE LED fixtures of the three streets around One Riverside Plaza (Long St., Marconi, and Spring St). These are The City of Columbus Poles. 2) Replacing 4 - 120 volt, high pressure sodium fixtures with 4 - 120 volt, GE LED fixtures in the from parking lot at Dolan Lab. 3) The new installation of 3 GE LED fixtures at SWEPCo.
RDDA581701	\$20,116	\$928	GRDSMRT-SolarWindEnergyStorage	The primary purpose of the project is to test and compare Greenfield Steam & Electric's concentrated photovoltaic (PV) technology prior to any large-scale deployment. The testbed will allow the concentrated PV performance to be easily compared to the performance of a commercially available PV system. The testbed will also be used to model a typical residential-size distributed energy resource installation. The integrated test bed will allow AEP to study the effects of residential-size wind and solar on the grid, as well as the interface and controllability it may have with a Home Area Network (HAN) and Advanced Metering Infrastructure (AMI).
RDDA581801	\$2,983	\$138	GRIDSMART-Ice Energy Storage	Demonstrate and evaluate the Ice Energy off-peak ice maker. This is an energy storage technology, intended to shift cooling load into off-peak times. Installation will be this Fall, with cooling performance measurements during the Summer of 2009.
RDDA581901	\$165,000	\$7,614	EPRI Demo - Smart Grid	In addition to controls on emissions from power plants, significant reductions in emissions of carbon dioxide can be achieved through contributions from energy efficiency, plug-in hybrid electric vehicles, and distributed energy resources. Integration of these resources through the electric distribution system will require new communications and control technologies. This project will conduct several regional demonstrations to integrate distributed power generation, storage, and demand response technology into a demand-side virtual power plant. The demonstrations will take advantage of infrastructure investments that are being made across the industry and illustrate ways in which distributed resources can be integrated with system operations.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDA582001	\$140,000	\$6,460	EPRI Demo - Energy Efficiency	One way to meet the challenge of growing demand for electric power is to reduce a portion of that demand through end-use energy efficiency improvements. The purpose of this project is to demonstrate that efficiency improvements in lighting and space-conditioning in buildings can be successfully implemented in North American commercial and residential buildings. Issues to be resolved include adapting service voltages and frequencies, electromagnetic compatibility, power quality, and customer acceptance. Examples of technologies to be deployed include Variable Refrigerant Flow Air Conditioning, Heat Pump Water Heating, Ductless Residential Heat Pumps and Air Conditioners, Hyper-efficient Residential Appliances, Data Center Energy Efficiency, and LED Street and Area Lighting.
RDDR560001	\$726	\$34	Distributed Energy Resources P	Provide program management for the Distributed Energy Resources R&D program
RDDR560101	\$13,534	\$630	DR EPRI Annual Research Portfo	The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes: 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information – event and technology evaluations – that is expected to be useful for the strategic planning of our DER programs.
RDDR560201	\$150	\$7	CERTS Micro-grid Test Bed	To demonstrate, evaluate and document operation and performance of the CERTS Micro-grid Concept, which was successfully bench-tested on the University of Wisconsin's micro-grid emulator. This is the first full-scale demonstration of an inverter-based micro-grid, consisting of multiple micro-sources and loads. The CEC/CERTS Micro-grid Project Team plans to construct a test bed at AEP's Walnut Test Facility, conduct tests, analyze results and report a full range of tests under a variety of controlled conditions. CEC/CERTS arranged for three 60 kW micro-sources with inverters to be provided from TeCogen Inc. and delivered to the test bed site. Northern Power System (NPS) and the University of Wisconsin designed the test bed and tested the protection strategy. NPS is to provide and deliver protection equipment, switchgear and load/fault cabinets to the test bed site which will be assembled according to the test bed design. In addition, both DAS and EMS computers and software are to be provided from NPS to capture and record data during tests on the test bed. Once the test bed is assembled and commissioned for operation, a full-range of tests will be conducted, according to a pre-approved test plan, by the CERTS Micro-grid Test Team.
RDDR560401	\$3,624	\$169	Rolls-Royce 1MW SOFC Test&Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial, natural gas fueled, 1 MW SOFC system, utilizing our Walnut Test Facility. Participation provides "hands-on" experience with the technology. This enables AEP to proactively plan for the application and interconnection of the technology and its impact on the shaping the grid of the future.
RDDR570001	\$721,504	\$33,484	2007 DER Program Mgmt	Provide program management for the Distributed Energy Resources (DER) program.
RDDR570101	\$831,005	\$38,356	DER 2007 EPRI Annual Portfolio	Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. Distributed Energy Resources (DER) program.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDDR570201	\$128,148	\$5,957	Micro-grid Proj - Inverter Gen	To demonstrate, evaluate and document operation and performance of the CERTS Micro-grid Concept, which was successfully bench-tested on the University of Wisconsin's microgrid emulator. This is the first full-scale demonstration of an inverter-based microgrid, consisting of multiple generation sources and loads. During 2006, the CEC/CERTS Micro-grid Project Team constructed a microgrid test bed at AEP's Walnut Test Facility. CEC/CERTS arranged for three 60 kW generators with inverters from TeCogen Inc.; the University of Wisconsin designed the test bed and; Northern Power System (NPS) tested the protection strategy and delivered protection equipment, switchgear and load/fault cabinets to the test bed site which was assembled by AEP contractors according to the test bed design. This project continues in 2007 from work performed in 2006 and involves commissioning the inverter-based generators in the test bed, conducting a full-range of tests according to an approved test plan, analyzing test results and documenting the resultant tests in a Final Report.
RDDR570301	(\$117,389)	(\$5,494)	Micro-grid Test Bed/DOE Tests	To demonstrate, evaluate and document performance and protection measures designed in the CERTS Micro-grid Concept. During 2006, the CEC/CERTS Micro-grid Project Team constructed a microgrid test bed at AEP's Walnut Test Facility. This project continues in 2007 from work performed in 2006 and involves detailed protection tests on the CERTS Microgrid Test Bed, funded by Dept. of Energy (DOE) through a contract with the University of Wisconsin. In addition to conducting a full-range of detailed protection tests, according to an approved test plan, it involves analyzing protection test results and documenting the results in a Final Report.
RDDR570401	\$190,913	\$8,885	RRFCS 1MW SOFC Test & Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial prototype, natural gas fueled, 1 MW SOFC (Solid-Oxide Fuel Cell) system(s), utilizing AEP's Walnut Test Facility. Participation enables AEP to obtain "hands-on" technology intelligence; shape the grid of the future; attract manufacturing jobs to AEP's Ohio service territory; and obtain preferential pricing and/or credits toward future purchase of commercial system(s).
RDDR570601	\$15,610	\$587	RRFCS 1 MW SOFC Test & Eval-3	This is a request to add step 3 to existing work order RDDR57401. This step will allow segregation of expenses vs. billing to Rolls Royce for recoverable costs. Refer to RDDR570401 and DRRD570501.
RDES560001	\$134,188	\$5,016	Environ Science&Ctrls ProgMgmt	Provide funds for travel related to the Environmental Science and Controls program, and for small projects and investigations as needed.
				Environmental Controls projects from the EPRI Annual Research Portfolio include: 1) Program 71 – Combustion Performance and NOx Control - AEP buys two projects from this program. Project 71.001, Mitigation of Fireside Corrosion and Waterwall Wastage in Low-NOx Systems, takes a three-pronged approach to understanding and resolving the costly consequences of accelerated fireside corrosion exacerbated by low-NOx operation, looking at coal quality, boiler design, and materials-based solutions. Purchase of this project also provides the opportunity to participate in the Waterwall Wastage Interest Group. Project 71.004, Coal and Airflow Measurement and Control, seeks integrated solutions for monitoring and controlling air/fuel ratios of individual burners to minimize NOx and LOI levels and optimize boiler efficiency without sacrificing unit capacity.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES560101	\$64,627	\$44,399	EPRI Environmental Controls	<p>2) Program 75 – Integrated Environmental Controls - This program helps power producers realize the savings promised by emerging integrated environmental controls. In the near term, the program will develop, refine, and demonstrate least-cost mercury controls for commonly used power plant designs, fuels, and air pollution controls. Over the medium term, EPRI will evaluate new integrated multipollutant processes (i.e., mercury plus criteria pollutants) as they are developed and refined. Our purchase in this program includes Project Set 75A, which provides technical evaluations of emerging technologies, and Project Set 75B, which develops improved, lower-cost controls to capture air toxics (primarily mercury) along with other pollutants. We do not purchase Project Set 75C, dealing with the capabilities of modern SO2 controls and their ability to support multipollutant control requirements.</p> <p>3) Program 76 – Particulate and Opacity Controls - This program provides least-cost solutions that help power plants meet particulate emissions and opacity limits in the face of changing ash loadings (e.g., due to NOX or mercury controls) or stricter limits. The approach is to conceive or identify promising new emissions control technologies and demonstrate them. These solutions address a variety of common issues, including high unburned carbon, reduced emission limits, loss of start-up/shutdown and upset exemptions, ESP deterioration (especially hot-side ESPs), and Compliance Assurance Monitoring (CAM) requirements.</p> <p>4) Program 77 – Continuous Emissions Monitoring - This program develops, enhances, and evaluates Continuous Emissions Monitors (CEMS) that measure particular chemical species of regulatory and operational interest. These systems will help power producers 1) comply with new reporting requirements (e.g., emissions of mercury from coal-fired units and CO at levels below 1 ppm in combustion turbines); 2) prepare to meet growing state requirements for continuous particulate mass monitors; and 3) optimize pollutant control equipment operation by more accurately measuring gas properties (e.g., SO3).</p>
				<p>Environmental Science projects from the EPRI Annual Research Portfolio include:</p> <p>1) Air Quality Programs - By providing credible scientific information and state-of-the-art assessment and management tools, EPRI's air quality programs support the development of effective and protective policies, standards, implementation plans, and compliance strategies. Programs within the Air Quality area include 42 – Air Toxics Health and Risk Assessment, 91 – Assessment Tools for Ozone, Particulate Matter and Haze, and 92 – Assessment of Air Quality Impacts on Health and the Environment.</p> <p>2) Global Climate Change Area - EPRI's global climate programs deliver essential information on the costs and benefits of policy options as well as on greenhouse gas reduction options to facilitate science-based policymaking and effective technical and business decision-making. Programs in the area include 102 – Global Climate Policy Costs and Benefits and 103 – Greenhouse Gas Reduction Options.</p> <p>3) Land and Groundwater Issues - EPRI's land and groundwater programs provide advanced science and technology for managing the chemical interactions between facilities and their surroundings, protecting natural and human environments, and returning previously contaminated sites to productive use. Programs include 49 – Groundwater Protection and Coal Combustion Products Management, 50 – MGP Site Management, 51 – Transmission and Distribution Soil and Water Issues, and 59 – Plant Multi-media Toxics Characterization (PISCES).</p>

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES560201	\$98,290	\$198,550	EPRI Environmental Science	4) Water and Ecosystems - Water, watershed, and ecosystems programs yield advanced scientific knowledge, sophisticated analytical tools, innovative methodologies and field-proven technologies for integrated management of water resources, energy facilities and natural ecosystems. Programs include 53 - Mercury, Metals and Organics in Aquatic Environments, 54 - Section 316(a) and 316(b) Fish Protection Issues, 55 - Watershed Management and Water Resource Sustainability, 56 - Integrated Facilities Water Management, 57 - Rights-of-way Environmental Issues in Siting, Development and Management, and 58 - Hydropower Environmental Issues.
RDES560301	\$6,210	\$257	Climate Contingency Roadmap	Continue the effort to provide greater understanding of the links between climate change and the electric sector that will be essential for making sound decisions about climate policy and compliance measures. In particular, look at the role of the electric sector in climate change, at the societal impacts of climate policy proposals, at the capabilities and costs of various emission reduction options, and at incentives for developing and deploying climate-related technologies.
RDES560501	\$88,251	\$3,135	Ash Pond SCR Ammonia Mitigation	To monitor the effect of power plant inputs on ash pond water quality and determine the effects on pollutant assimilation and pond treatment efficiency. Specific studies to encourage the maximum ammonia mitigation potential of the Amos fly ash pond will continue. Efforts will be made to optimize pond characteristics and nutrient levels to achieve the best ammonia reductions through algal assimilation and bacterial nitrification. Novel approaches exist to sequester selenium, mercury, and other metals into ash sediments. Several strategies will be tested at AEP sites and a guidance manual, "Integrated Ash Pond Management," will be developed.
RDES560601	\$141	\$6	Ohio River Ecological Research	The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Eleven companies, representing 17 facilities, are participating in this innovative, multi-facility, program. Participation in the program will result in the development of in-river fish assemblage and population data along with the simultaneous collection of impingement data. Such a database has never before existed and will permit the analysis of the relationship between fish impingement rates and intake structure design characteristics.
RDES560801	\$2,418	\$72	Water Environment Research Fd	Implement benefits of membership in the Water Environment Research Foundation for the following purposes: 1. Development of scientifically sound, flexible water quality standards at the state and federal level. 2. Minimize Company liability by preventing the unnecessary (or scientifically unsound) listing of facility waterbodies on state Total Maximum Daily Loading (TMDL) lists. 3. Maximize wastewater permit compliance and minimize risk of installing costly treatment capital Note: This benefits all generation, including Nuclear and Hydro
RDES561101	\$97,899	\$3,986	General Mercury Science & Tech	To better prepare AEP for compliance with the Clean Air Mercury Rule and other regulations on emissions of mercury by characterizing mercury emissions from various configurations of plant equipment and coal types, examining the effect of environmental controls on mercury emissions, helping in the development of cost-effective mercury monitoring systems, testing various types of mercury sorbents, participating in tests of control technologies at a Texas lignite plant and at the Rockport plant, and traveling to sites where mercury control and monitoring equipment is being demonstrated.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES561201	\$15	\$1	Mercury Sorbent Testing Facili	The U.S. Environmental Protection Agency finalized rules in the spring of 2005 regarding the release of mercury into the atmosphere from coal-burning power plants. In some cases, the only currently known method of removing mercury from a flue gas stream is by injecting sorbents into the stream and then removing the mercury-laden sorbents in an electrostatic precipitator. There is still much to learn about the use of such sorbents, including which sorbents are effective, the best methods of injecting the sorbents, and the effects of sorbent injection on other systems. The use of sorbent injection for mercury control has not been proven under the conditions found at Conesville Plant. This study involves a collaboration with the Department of Energy, several companies involved in the design of mercury control and measurement systems, several sorbent suppliers, three other utilities, and EPRI to learn more about sorbent injection in full scale application at Conesville Unit 6.
RDES561301	\$2,500	\$116	MerCCIG	The Mercury Characterization and Control Interest Group (MerCCIG) is a collaboration with EPRI and other utilities to find timely and cost-effective solutions to problems related to mercury emissions from coal-burning power plants, including characterization of mercury emissions in plants of various configurations and with varying coal feeds, measurements of mercury emissions, and the chemistry of mercury in flue gas.
RDES561501	\$2,500	\$116	Aerosol Emissions Ctrl Int Grp	The Aerosol Emissions Control Interest Group (AECIG) is a collaborate effort with EPRI and other utilities to find timely and cost-effective solutions to problems related to emissions of aerosols. In particular, sulfuric acid aerosols from coal-burning power plants, including measurement of sulfur trioxide emissions, methods of controlling SO3 emissions, and the chemistry of formation of sulfur trioxide in flue gas.
RDES561601	(\$27,792)	(\$883)	Demo Sieving Electrosta Precip	Demonstrate the technical feasibility of a new type of electrostatic precipitator invented by Professor Hajrudin Pasic at Ohio University by installing a pilot unit on a slipstream at an AEP power plant in Ohio, most likely the Conesville Plant.
RDES561801	\$2,805	\$115	Tech Supp Cont Hg Monitor Demo	Assist the EPA and its contractors in developing a comprehensive field demonstration of certifiable continuous mercury monitors (CMMs) at two power plant sites that will address the recently identified impediments to commercial application of CMM technologies. Specific objectives include: 1) Development and documentation of Hg calibration and linearity procedures; 2) Drafting of an instrumental reference method for annual relative accuracy audits (RATA); 3) Documentation of reliability, operability and performance characteristics of the CMM, Ontario Hydro Method and Draft Method 324 (QSEMS), for low level detection limits, typical of utility mercury emissions
RDES570301	\$10,123	\$474	Assess SeleniumBioaccumulation	This study will evaluate the compliance risk of AEP wastewater discharges being subject to U.S. EPA's forthcoming fish tissue water quality criterion for selenium. While the criterion is not expected to be finalized until 2008 or 2009, some states in the AEP service territory have already begun analyzing fish for selenium content to determine locations where the criterion could be exceeded. West Virginia DEP has studied the fly ash receiving streams at Amos and Mitchell Plants, and determined that fish have very high selenium levels at these locations. This study would evaluate locations where compliance with the upcoming criterion would be problematic. With this information, permitting and regulatory options for achieving compliance (for example, site-specific criteria) can be assessed before a non-compliance situation actually happens. At facilities being retrofitted with wet FGD systems, levels of selenium in wastewater discharges are expected to increase due to the transfer of selenium from flue gas to the FGD absorber vessel.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES580601	\$10,619	\$613	OhioRiverEcologicalResearchPrg	The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Schedule will include winter sampling, which has only been done once in the history of the program.
RDES580701	\$50,000	\$2,538	Retrofit-Cisd cycle Cooling Sy	As a result of a federal circuit court ruling, the federal EPA is reconsidering the regulations regarding the "best technology available" (BTA) for minimizing impingement and entrainment impacts on fish populations. One possible outcome of that review is that closed-cycle cooling systems, i.e., cooling towers or impoundments would be listed as the BTA. The purpose of this study is to determine the economic and environmental impacts of requiring closed-cycle cooling systems for power plants nationwide, and to provide a framework for estimating the impacts on any particular plant. The results of that study would be shared with the EPA in order to better inform that agency's regulatory process.
RDES582001	\$17,460	\$663	Cansolv Feasibility Study	Cansolv has developed a technology for removal of sulfur dioxide (SO2) from flue gas, which might be cost effective for AEP's smaller and older plants. They propose to install the technology on one of our plants, probably Picway, to prove its applicability. This project consists of a feasibility study to examine the application of the technology to Picway Plant.
RDES582101	\$142,922	\$4,867	FGD Lndfl Leachate Phytoremdtn	Establish a pilot project at Gavin to determine the efficiency of two types of biological (phytoremediation) treatment for removing trace elements from wastewater at three FGD (Flue Gas Desulphurization) leachate collection pond systems. Information gained from the project could be used at other AEP facilities where treated FGD leachate is discharged to a receiving stream.
RDES582201	\$4,451	\$168	Trona/FuelSwitchs-AshPonds	Trona is a naturally occurring mineral $[Na_3(CO_3)(HCO_3) \cdot 2H_2O]$ that has been found to be successful in mitigating SO3 emissions (blue plume) from coal fired power plants. Unfortunately, it is not yet known what downstream effects Trona use will cause in sluiced ash or in ash ponds. Because of its potential to strongly increase the pH of the sluiced ash, it is possible that substances such as mercury, selenium, and arsenic, which normally are strongly adsorbed to ash particles, may become desorbed. Once such substances enter the dissolved phase, it is not likely that they will resorb to the settling ash, thus increasing the likelihood of permit violations at NPDES discharge points. Fuel switching can have similar effects. Rather than merely managing pH in the sluice lines, consideration is being given to managing the sluice lines as potential treatment systems.
				All the SCR units in AEP system will have FGD retrofits by 2015. After FGD installation, the unit starts burning higher sulfur coal. The original SCR catalysts that have relatively high SO2/SO3 conversion rate will generate considerable amount of SO3 in the flue gas and result in blue (SO3) plume in the stack. Replacing the original catalyst with low SO2/SO3 conversion catalyst is a part of SO3 mitigation strategy for SCR units with FGD system. The catalyst regeneration technology has been developed for more than ten years in Europe to restore the catalyst activity so that the catalyst can be re-used. In order for the original catalyst to be regenerated and re-used in AEP system, not only the catalyst activity needs to be restored, but also the SO2/SO3 conversion rate needs to be reduced significantly (> 60%). We have been working with SCR-Tech and Hitachi to test regenerate some of the original catalyst.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES582301	\$6,864	\$278	SCR Catalyst Regen-Low SO3 Conv	The results have not been successful. SCR-Tech proposed a new R&D approach, as shown in the attached document, to restore the catalyst activity and reduce the SO2/SO3 conversion rate by a process fundamentally different from their standard regeneration. The current price of the regenerated catalyst is approximately 60 to 70% of new catalyst. Should this new approach be successful, it could result in an AEP SCR catalyst management cost savings of more than \$3M in 2008\$.
RDES582401	\$25,000	\$977	EPRI - Pittsburgh ARIES	The purpose of this project is to extend the research on health effects to the Pittsburgh PA area, where the air shed is dominated by sulfates and nitrates from power plant emissions, and thus would help validate the findings from other site studies that have strong transportation signatures.
RDES582501	\$50,000	\$1,954	EPRI HG-SE FGDBlowdownWtrTrtmnt	All flue gas desulfurization systems require periodic blowdown to limit the build-up of chlorides and other soluble products of the combustion process. Some constituents of the blowdown water will include trace elements that are subject to increasingly stringent control requirements. Two such elements are mercury and selenium. This project will evaluate promising technologies for treating emissions of those elements in the chloride purge stream.
RDES582601	\$10,000	\$391	ScreeningMethods-StructualFill	The use of flyash in structural fills is an attractive alternative to disposal of the material. In some cases, however, groundwater impacts from such use of flyash have required remediation. The purpose of this project is to develop a methodology for quickly screening proposed structural fill opportunities to determine their environmental suitability. The methodology will utilize advances in the characterization and evaluation of coal combustion products, incorporating several EPRI modeling tools.
RDES582801	\$650	\$0	HighFreq.Transformer/Rect.Test	Presently, all production high frequency (HF) TR sets operate with a three phase feed voltage of 480V. However, the majority of the AEP System operates at 575V. Our present HF TR sets at plants with 575V power have required a step down transformer to obtain 480V. The development of a 575V HF TR set would reduce the added electrical infrastructure required to install HF TR sets that can include new 3 phase power feeds including conduit and/or cable trays, transformer, MCC, etc. Manufacturer offering trial or demonstration at no equipment costs to AEP. Cost is to install/remove HF TR sets.
RDGA260001	\$139,177	\$3,701	Adv. Generation Prog. Mgmt	This line item is used for the Advanced Generation R&D Program (AG) pre-project R&D development efforts and to track and manage misc. AG R&D projects < \$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the Advanced Generation Management function. It is also used to track participation at general conferences and other trips associated with the Advanced Generation program. The scope of this charter includes: 1) Fees and travel expenses for conferences and meetings related to AEP's advanced generation activities. 2) Opportunities to participate in R&D projects that arise during the year. 3) Coverage of travel expenses related to EPRI Advanced Generation programs.
RDGA260101	\$401	\$13	Adv Gen EPRI Annual Research	The Advanced Generation selection from the EPRI Annual Research Portfolio consists of Program 9: Technology-Based Business Planning Information & Services (aka Technology Assessment Guide, or TAG). The EPRI TAG provides performance and economic information about most generation technologies. The TAG-Supply@ Database and Software currently covers 24 categories—including all major fossil and nuclear plant types, several energy storage technologies, small-scale generation options, renewable resource technology.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA260201	\$228,963	\$9,135	Coal Utilization Research Coun	The Coal Utilization Research Council (CURC) was formed in 1997 as an ad-hoc group to act as an industry voice for R&D needs associated with the role of coal as a sustainable energy source for electric power generation as well as the transportation and chemical industries. CURC members include utilities, equipment suppliers, coal companies, universities, and other energy-related companies and consortiums. The CURC provides its members with a respected, influential forum in which they work to ensure the continued viability of coal. In a collaborative effort to define future technologies to effectively use coal, the CURC has put together a comprehensive strategy for coal research and development. CURC representatives meet with members of Congress and Fossil Energy in the DOE to provide input to the nature and level of R&D funding for coal-related research. In development of authorizing legislation, appropriations bills, regulatory initiatives and annual federal budget proposals, the CURC is recognized for providing accurate information and creative ideas to advance coal-related technology
RDGA260601	\$38,472	\$1,218	Technology Assessment Guide	The EPRI Technology-Based Business Planning Information & Services (aka Technology Assessment Guide, or TAG) provides performance and economic information about most generation technologies. The TAG-Supply® Database and Software currently covers 24 categories—including all major fossil and nuclear plant types, several energy storage technologies, small-scale generation options, renewable resource technologies, and transmission and distribution facilities—with nearly 100 distinct configurations of process technology, fuel, and location.
RDGA260701	\$4,144	\$198	Geologic CO2 Sequestration P2	<p>This is an on-going project (co-funded by the DOE and led by Battelle) that is investigating the feasibility of safely injecting and storing CO2 in deep salt water-laden rock formations. The project is located at AEP's Mountaineer plant in New Haven, WV.</p> <p>To date, the project has:</p> <ul style="list-style-type: none"> • Compiled and reviewed pre-existing information on above ground and subsurface geologic, hydro geologic, and geo chemical parameters of interest in our operating area. • Selected a location for drilling a deep well to characterize the host reservoirs and cap rock formations that can be used for injection containment, and monitoring of CO2 for a long-term experiment. • Conducted a preliminary assessment of coal bed sequestration opportunities in the vicinity for the selected site. • Obtained subsurface data required for the regulatory permits and baseline monitoring through the use of borehole logs, reservoir testing, and seismic analysis (surveys). • Conducted reservoir simulations and geo chemical assessments to predict the fate of injected CO2 and determine operational parameters for CO2 injection and monitoring. <p>Phase 2 covers a feasibility study to install a 30-50 ton/day slip-stream carbon scrubber at the plant to conduct test injections of CO2 into the deep well.</p>

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA260901	\$40,327	\$1,782	MIT Carbon Sequestration Init	<p>The Carbon Sequestration Initiative (CSI) is an industrial consortium formed at MIT to investigate carbon management strategies and carbon sequestration technologies. The consortium currently has nine members: American Electric Power, Electricité de France (EDF), EPRI, Exxon Mobil, Ford Motor Company, General Motors, Peabody Energy, ChevronTexaco, and Total FinaElf.</p> <p>Contractually, the CSI operates in three-year planning phases, administered through MIT's Laboratory for Energy and the Environment (LFEE). Phase I began July 1, 2000 and the second three-year phase for the CSI began on July 1, 2003.</p> <p>The CIS provides access to significant research in the areas of carbon capture, carbon sequestration, and public policy. It is sponsoring special studies at the direction of the CSI members by MIT graduate students. Because Howard Herzog is a member of the IPCC it also provides up-to-date status reports on those activities.</p>
RDGA261001	\$76,261	\$3,234	FutureGen - Cost Share	<p>On February 27, 2003 Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p>
RDGA261101	\$103,659	\$3,204	FutureGen - Non-Cost Share	<p>On February 27, 2003, Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p> <p>Under the terms of the Cooperative Agreement, there are certain charges that are not allowed to be included in the industry 26% cost share. These include charges that may be necessary to complete the work, but are not included in the Statement of Work or are allowed as part of the 10CFR600 regulations. Examples are lobbying expenses and travel costs exceeding the DOE approved maximum amount. This work order is to track such time and charges.</p>

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RDGA271401	\$569,458	\$35,225	Oxy-Coal Feasibility Study	AEP is an active member of the Babcock & Wilcox (B&W) Oxy-Coal Advisory Group. Furthermore, AEP and B&W will work together on a retrofit feasibility study and selection of an existing AEP plant site for commercial-scale installation of the Oxy-coal technology based upon a successful pilot test at the B&W Alliance Research Center. An initial report will be issued by the end of December 2007, with a recommendation whether to proceed with the commercial demonstration project. Upon management concurrence, that project will be funded by a separate capital improvement requisition. AEP plans to submit an application to the DOE for Clean Coal Power Initiative (CCPI) Round 3 funding in the event that management concurs to proceed with the commercial demonstration project. AEP and B&W will work together in submitting this application for funding.
RDGA271601	\$67,583	\$3,431	EOR Feasibility Study	The Federal and State Governments have pending legislation for the reduction of Carbon Dioxide (CO2) emissions including legislation introduced by Senator Jeff Bingaman (D-NM) to reduce CO2 emissions to 1990 levels by 2030. In an effort to address the pending legislation, AEP has started several projects to investigate the feasibility of retrofitting CO2 capture and geologic storage equipment on its existing coal burning power plants. These projects include the Mountaineer CO2 Capture and Geologic Storage Project which involves developing Alstom's Chilled Ammonia Process (CAP) to capture CO2 from a portion of the plant's flue gas and permanently storing the CO2 underground in geologic formations. If Alstom's CAP proves successful at Mountaineer, AEP plans on installing the equipment on a larger scale at its Northeastern Station in Oologah, Oklahoma. However, the CO2 capture retrofits will likely have high parasitic loads and require substantial capital investments, the effects of which may be passed on to customers. In order to offset these effects, AEP is looking at potential uses for the captured CO2 without releasing it to the atmosphere. One opportunity is the use of CO2 for Enhanced Oil Recovery (EOR). The price of CO2 for EOR is one of the inputs in the economic analysis to determine which plants AEP can economically retrofit CO2 capture equipment. In the process of establishing a unit cost for CO2, AEP has identified the need to better understand the overall potential of oil fields in our areas of operation as well as to quantify the Enhanced Oil Recovery (EOR) economics from the Oil Producer's perspective. AEP would like to evaluate EOR opportunities in our western region, Oklahoma, Louisiana, Arkansas, and East Texas as well as in our eastern region including Ohio, Virginia, West Virginia, Indiana, and Eastern Kentucky to determine the business opportunity for selling CO2 for EOR.
RDGA281701	\$432,925	\$880	Rampressor Feasibility Study	AEP is exploring carbon capture and storage technology to address global climate change legislation pending in Congress. CO2 compression for geologic storage is a key component of this process. Ramgen is developing an experimental compressor to compress CO2. The purpose of this study is to determine the feasibility of developing and using the Ramgen compressor technology ("Rampressor") for CO2 compression. Upon successful completion of the feasibility study, AEP plans to develop the first Rampressor for use at the Mountaineer Product Validation Facility to compress CO2 for geologic storage.
RDGA281801	\$1,000,000	\$40,449	EPRI Demo-IGCC w CO2 Cap Strge	Integrated Gasification / Combined Cycle technology has been identified as one possible route to the capture of the greenhouse gas carbon dioxide. The purpose of this project is to provide information about the design, integrated operation, reliability and safety of IGCC systems with capture of carbon dioxide (IGCC/CCS). The demonstration project will allow the industry to evaluate the role that IGCC/CCS will play in meeting possible future carbon constraints.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA281901	\$333,333	\$13,483	EPRIDemo-IonTmsprtMbrneOxyPrd	The ability to provide a low-cost stream of pure oxygen is an enabling technology for two different methods of separating carbon dioxide from flue gas, IGCC with CCS and oxy-combustion. Current cryogenic methods of oxygen production are very expensive in terms of capital, auxiliary power consumption, and water usage. Air Products and the United States Department of Energy have worked to develop methods of oxygen production involving transport of oxygen ions through a ceramic membrane, and the technology has progressed to a point where a demonstration unit is possible. EPRI's role in the project will be to provide an electric utility industry perspective to the project to ensure the ability to employ the technology in actual power plants.
RDGA282001	\$833,333	\$33,708	EPRIDemo-PostCmbstnCO2Cap&Strg	In order to gain public and regulatory acceptance of carbon capture and storage as a means of controlling the greenhouse gas carbon dioxide from coal-fired power plants, it is necessary to demonstrate that both capture and storage are feasible. This project will help to fund two large-scale demonstrations of carbon capture processes, one at AEP's Mountaineer Plant using the Chilled Ammonia technology, and the other at a plant in the Southeastern United States employing a different technology. Both projects will store the captured CO2 underground and monitor the results of that storage. Both projects will also demonstrate the ability to transport the separated CO2. EPRI's support will reduce AEP's funding of the Mountaineer project.
RDGA360001	\$2,529	\$80	Gen Asset Mgmt - Prog Mgmt	<p>This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R&D projects costing <\$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences for the AEP EPRI Advisors.</p> <p>The Generation Asset Management (GAM) selection from the EPRI Annual Research Portfolio includes:</p> <p>1) Fleet-Wide Monitoring Interest Group - The purpose of the project is to provide industry information relating to remote monitoring of generation assets and condition assessment of those assets to optimize reliability and performance from the information derived from the monitoring. Areas that are being initially emphasized are thermal performance monitoring, equipment condition assessment, document management, and maintenance planning. Another aspect is to evaluate the value of central monitoring.</p> <p>2) Boiler Life and Availability Improvement Program - This program develops technology and guidance that allows participants to safely manage boiler component life for high reliability and reduced O&M costs. Technology development efforts will focus on advanced inspection techniques to identify component damage early and accurately; analysis tools to predict component remaining life and in-service failure risk; decision support tools that allow AEP to balance risk and economic benefits under a variety of plant operating scenarios and conditions; and repair techniques designed to maximize component economic life.</p> <p>3) Fossil Materials and Repair - Acquire through EPRI membership in P87.001 and P87.002 the most current guides for materials selection guidance, corrosion mitigation methods, and repair techniques needed to improve equipment performance, reliability, and ultimately profitability.</p> <p>4) HRSG Dependability - The HRSG Dependability program is to provide technology that will address chemical issues for both tube and turbine failures; provide operating procedure support for cycling and thermal fatigue issues; provide guidance for abnormal cycle chemistry events; and provide repair and NDE tools to aid in the inspection and repair of HRSG components.</p>

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RDGA360101	\$0	\$0	GAM EPRI Annual Research Portf	5) Boiler and Turbine Steam And Cycle Chemistry - Participation in this program provides the opportunity to access the EPRI knowledge base across the wide breath of this target. Simultaneously, it provides the ability to leverage research expenditures by collaboration with others in the industry. Finally information generated by this program aligns with the AEP initiative to have zero water chemistry related tube failures by 2006
RDGA360801	\$1,990	\$92	Circumferential Waterwall Crac	The objective of this project is to demonstrate the optimum approach to identifying the root cause of the thermal fatigue cracking of waterwall tubes in supercritical boilers. This will involve monitoring temperature, strain and heat flux during typical operating regimes to identify the "time in operating space" which causes thermal fatigue cracks to initiate and propagate. Solutions will be tested using the same monitoring tools. The approaches used will be applicable to other boilers with and without weld overlay, with and without low NOX burners, and whether the unit is operating with OT or not.
RDGA360901	\$1,164	\$48	Waterwall Tube Corrosion	The objective of this project is to develop and demonstrate a roadmap approach to optimizing the corrosion fatigue life of waterwall tubes in subcritical boilers. The outcome will be an approach to assessing corrosion fatigue failures in other boilers than the subject boiler of the project, which AEP will be able to adopt in other plants.
RDGA370201	\$6,000	\$258	Fleet-Wide Monitor InterestGrp	The purpose of the project is to provide industry information relating to remote monitoring of generation assets and condition assessment of those assets to optimize reliability and performance from the information derived from the monitoring. Areas that are being initially emphasized are thermal performance monitoring, equipment condition assessment, document management, and maintenance planning. Another aspect is to evaluate the value of central monitoring.
RDGA370401	\$5,000	\$215	PRO Users? Group	The Plant Reliability Optimization (PRO) Users' Group will provide the opportunity to share information on PRO programs and practices. Additional benefits will be to develop members through technical workshops and identify and recommend solution paths for issues that need resolution.
RDGA380001	\$3,752	\$119	Gen Asset Mgmt - Prog Mgmt	This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R&D projects costing less than \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences for the AEP EPRI Advisors.
RDGA380101	\$0	\$33,537	2008 EPRI Annual Portfolio	Program 63 - This program develops technology and guidance that allows participants to safely manage boiler component life for high reliability and reduced O&M costs. Technology development efforts will focus on advanced inspection techniques to identify component damage early and accurately; analysis tools to predict component remaining life and in-service failure risk; decision support tools that allow AEP to balance risk and economic benefits under a variety of plant operating scenarios and conditions; and repair techniques designed to maximize component economic life. (EPRI = Electric Power Research Institute) Program 64 - Participation in this program provides the opportunity to access the EPRI knowledge base across the wide breadth of this target. Program 67 - Acquire through EPRI membership in P87.001 and P87.002 the most current guides for material. Program 88 - The P88-HRSG Dependability program is to provide technology that will address chemical issues. Program 171 - Develop guidelines, materials, solutions, and monitoring techniques in this Issue Program.
RDGA380301	\$59,250	\$2,846	O&M Excellence(OMX)-PlantView	Upgrade PlantView software to support the goal of improved remote monitoring of plant operations and condition assessment leading to informed decision making for short term and longer term actions including risk-based decision making. Also, to develop tools to both help in the evaluation of advanced diagnostic tools as well as enhance the use of advanced diagnostic tools.

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RDGA380401	\$2,500	\$92	Enrgy Wrkfrc Plng&Prfm Int Grp	The purpose of this supplemental project interest group is to provide a forum for collaboration between power companies and other industry stakeholders as a proactive means of finding solutions to attrition and the training and retention of plant staff in both the maintenance and operations functions.
RDGA380501	\$12,500	\$563	Alternative Turbine EHC Fluids	Conduct a comparative evaluation of alternative fire-resistant turbine EHC hydraulic fluids to provide 1) improved decision making regarding these alternative fluids versus existing fluids, and 2) a better understanding of the advantages and limitations of these alternative EHC fluids.
RDGA380601	\$5,000	\$191	PRO User's Group	The Plant Reliability Optimization (PRO) Users' Group will provide the opportunity to share information on PRO programs and practices. Additional benefits will be to develop members through technical workshops and identify and recommend solution paths for issues that need resolution.
RDGA380701	\$25,000	\$736	NDE Proficiency Demonstrations	Validate proficiency of technician for new NDE technologies through demonstration of ability to use the NDE technology on specific range of piping.
RDGA380801	\$77,500	\$2,454	CreepStrength-G91FerriticSteel	The purpose of the project is to identify effective methods for locating and characterizing deficient G91 and other Creep Strength Enhanced Ferritic(CSEF) steels; develop material specs and processing standards to assist utilities in procuring G91 and other CSEF steel components; assemble a guideline that provides the life assessment protocol for G91 and other CSEF steels.
RDNU560101	\$0	\$0	EPRI Nuclear Annual Research	<p>Collaborative R&D within the nuclear power industry ensures that nuclear power is an economically feasible option within the current and future generation mixes. To this end, EPRI develops cost-effective technology for safe and environmental friendly electricity generation that maximizes profitable utilization of existing nuclear assets and supports promotion and deployment of new nuclear technology.</p> <p>EPRI's Nuclear Power program centers on seven key business objectives.</p> <ul style="list-style-type: none"> • Maintain nuclear plant safety • Maximize productivity of existing assets • Facilitate waste disposal • Maintain critical infrastructure • Evaluate evolutionary and new designs • Improve risk management • Optimize fuel utilization <p>Based on these key objectives, the EPRI 2006 Nuclear Power Program Portfolio consists of the 11 strategic technical areas listed below. For each of the areas, the EPRI Nuclear Portfolio contains information on the Strategic Content and the associated Barriers to Overcome. For each of the Barriers there is a description, planned or ongoing activities and major solution elements.</p> <ul style="list-style-type: none"> • Materials Degradation/Aging • High Performance Fuel • Radioactive High Level Waste and Spent Fuel Management • NDE and Material Characterization • Equipment Reliability • I&C Hardware and Systems • Nuclear Asset/Risk Management • Safety Risk Technology and Applications • New Nuclear Plant Deployment • Environmental Benefits • Low Level Waste and Radiation Exposure Management

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDRE560001	\$0	\$0	Renewables Program Management	This is used for Renewable Energy Resources Initiative (RERI) pre-project R&D development efforts and to track and manage misc. RERI R&D projects costing < \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the Renewable Program Management function. It is also used to track participation at general conferences associated with Renewable Program Management, especially EPRI conferences in the AEP RERI area.
RDRE560101	\$0	\$0	EPRI Renewable Energy Base Pgm	This project charter supports AEP's renewables involvement with EPRI, namely: PS 84.001 Renewable Energy TAG – provides a basic reference for technical and economic assessment of renewable energy generation technologies PS 84 D Biomass Energy – provides industry reference and contacts for renewable energy generation, most notably biomass co-firing
RDRE560301	\$206	\$9	PC Biomass Separate Injection	Determine the feasibility, costs, and equipment for separate injection of a pulverized coal (PC) unit with alternate fuels (e.g., biomass, tires, sludges). Determine fuel supply, fuel characteristics, preliminary costs, materials handling equipment, emissions and unit performance impacts, safety/interlocks, and economic feasibility. Separate injection allows a higher alternate fuel percentage into the steam generator above that which can be co-fired through the pulverizers. It also should provide for increased fuel flexibility. Location to be determined.
RDRE570001	\$71,358	\$2,390	2007 Renewable R&D ProgramMgmt	This is used for Renewable Energy Resources Initiative (RERI) pre-project R&D development efforts and to track and manage misc. RERI R&D projects costing less than \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the Renewable Program Management function. It is also used to track participation at general conferences associated with Renewable Program Management, especially EPRI conferences in the AEP RERI area.
RDRE570101	\$13,997	\$4,204	2007 EPRI Renewabl Annual Port	This project charter supports AEP's renewables involvement with EPRI, namely: PS84.001 Renewable Energy TAG - provides a basic reference for technical and economic assessment of renewable energy generation technologies. PS 84 D Biomass Energy - provides industry reference and contacts for renewable energy generation, most notably biomass co-firing.
RDTA550301	\$720	\$25	Power System Load Modeling Ph2	Validate and improve load modeling used in transmission planning and system dynamic studies. This project is a continuation of an earlier EPRI project (Phase 1) whose objective is to make use of measured load data captured during system disturbances to improve the accuracy of load modeling.
RDTA560001	\$4,711	\$164	Trans. R&D Program Mgmt	The money allocated to this project will be used to fund new activities or projects that develop as the year 2006 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2006 budget cycle.
				Expense - Transmission related projects from the EPRI Annual Research Portfolio include: 1) Lightning Performance of Transmission Lines and Transmission Line Surge Arresters - seeks to increase the reliability of new and existing overhead transmission lines by generating engineering tools that address the leading causes of transmission circuit outages; lightning and grounding. 2) Polymer/Composite Insulator Performance - seeks to extend polymer and composite component life expectancy and avoid outages due to premature failure through improved selection, application, and inspection. 3) Underground (UG) Transmission Workstation and Reference Manual - will develop reference information on underground design and maintenance

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA560101	\$13,425	\$468	Trans EPRI Annual Research Por	<p>4) Thermal & Mech. Stresses in Extruded UG Cables - develop information and software tools to help mitigate harmful stresses through proper system design, such as optimal clearance between cable and duct and optimal placement of manholes. Results will apply to 69kV – 345kV cable systems.</p> <p>5) Live Working Research for T-Equipment - developing new live-line techniques and technologies for the maintenance and refurbishment of energized transmission lines.</p> <p>6) Switching Safety and Reliability - goal is to learn about the industry's human error prevention programs and employ the learning to reduce relay misoperations caused by human errors.</p>
RDTA560801	\$744	\$26	Visual & Decision Support Sys	<p>Working with other utilities and vendors to develop a reliable visualization tool that will be used by system dispatchers and operators on the AEP transmission system. The development of this technology, as mandated by FERC & NERC, will allow system operators to respond more rapidly and make better decisions based upon the information that is being feed to the control center. These tools will also provide the system operator a 'look into the future' with trending. Trending will look at the present system conditions and determine that if all things remain the same, then in X number of hours your system will be in a certain condition. This will allow system operators to be 'proactive' instead often 'reactive'</p>
RDTA560901	\$13	\$0	Devel T Plan&Ops Tools-Phasor	<p>1) Develop tools and techniques to analyze data captured by AEP phasor monitoring units (PMUs) and apply the tools and techniques in planning (off-line) and operations (real time) environments.</p> <p>2) Participate in the DOE-sponsored Eastern Interconnection Phasor Project (EIPP), which is facilitating development of a phasor data network in the Eastern Interconnection (EI). The vision of EIPP is to improve power system reliability through wide area measurement, monitoring and control.</p>
RDTA561201	\$35	\$1	Transmission Line EMI Survey	<p>Develop low cost EMI/GPS tools that will assist the Transmission Business Unit when performing aerial/ground inspections of transmission lines to detect deteriorated line hardware, insulators, conductors, and broken strands. Results will enable reliability based maintenance, improved productivity, etc.</p> <p>Electromagnetic Interference (EMI) has proven to be a valuable tool in problem diagnostics of rotating electrical machinery. Energized transmission line components that are in a failure mode, in corona, contaminated or intermittently shorting to ground (as during tree contact) will emit EMI as well. The EMI/GPS inspection tool is a device that will record EMI magnitude and spectral components as well as the location of the source of that interference for future plotting and analysis.</p> <p>This provides a low cost tool for transmission personnel, as it allows for the automatic collection of EMI data from failing equipment in an efficient manner as part of a routine aerial or drive-by inspection. Plotting of this data gives a visual map showing where the EMI activity is occurring and will assist in trending this activity. As activity increases, follow-up inspections could identify a potential failure before it has time to degenerate to the point of a forced line outage. This would allow for planned mitigation of the imminent fault. This project will continue to gather and analyze EMI data from several T lines to determine the value of EMI/GPS as a diagnostic tool for AEP</p> <p>Install galloping mitigation attachments to a selected 345kV span in Indiana to evaluate effectiveness, longevity and maintainability. Two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers will first be electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance.</p>

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA561301	\$264	\$9	Galloping Conductor Mitigation	<p>Based on the test results, several units of one of the designs will be installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 kV circuits. Ground clearance of the conductor will be measured and a stationary video camera will record its motion as compared to that of the conductors with no spoilers installed. Results of the project will be used to make BU Air Flow Spoiler purchase and deployment decisions for lines prone to galloping.</p> <p>Note: As a result of the DTC electrical testing, TLESMM recommended that non-EHV spoilers be installed on 3 phases of a 345 kV line at Columbia Center to monitor for corona and audible noise. Therefore, the project scope and cost have increased to \$12,000, compared to \$1,000 when the project proposal was submitted in 08/05.</p>
RDTA561401	\$52,542	\$1,816	High Temp Superconducting Cabl	<p>This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs.</p> <p>The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.</p>
RDTA561601	\$5,444	\$190	Reactive Pwr Mgmt, Phases 1-2	<p>To devise an analytically rigorous and automated means of determining voltage control areas and associated dynamic reactive reserve requirements for on-line EMS application. This project is a continuation of an EPRI project by the same name and subject (Phase 1). AEP participation will consist of Phase 1 completion and Phase 2. Remaining work on Phase 1 is to consist of completion of the algorithm to determine generator reactive reserve allocations, and further testing of both voltage control area and reactive reserve algorithms. The objective of Phase 2 is to apply intelligent system techniques to speed the analysis sufficiently to enable its application in an on-line environment.</p>
RDTA570001	\$85,095	\$2,968	Transmission RD&D Program Mgmt	<p>The money allocated to this project will be used to fund new activities or projects that develop as the year 2007 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2007 budget cycle.</p>
RDTA570101	\$18,014	\$22,339	Trans 2007 EPRI Annual Portfol	<p>Integrated Monitoring & Diagnostics (P37.007) - The purpose of this project is to examine techniques for monitoring as many different components in a substation with as few sensors as possible, which is complementary to the projects examining inspection tools for specific components such as transformers or circuit breakers. The target of this project is to optimize applications of the sensors in substation. The concept of station-wide monitoring is to provide the low-cost screening tool that will trigger more detailed inspections at the component level. The unique focus of this project is on inspection tools that cover an entire substation, rather than at an individual component level. Life Extension fo Existing HVDC Systems (P162.001) - This project will address the life extension of HVDC systems in a systematic method. Sharing experience and practices across utilities provides one of the most cost effective ways of ensuring that best-of-class field proctices permeate across the global industry. The final goal of the project is to prepare "Life Extension for HVDC System," which is expected to facilitate the proccess fo refurbishing of existing HVDC equipment.</p>

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA570201	\$35,336	\$1,233	CEA LCMSEA	CEA LCMSEA- CEA Life Cycle Management of Station Equipment and Apparatus Interest Group. This on going interest group is a low overhead collaborative effort focused on member driven station equipment, maintenance, tools, asset management techniques, benchmarking, diagnostics, and life extension. Projects are defined and contract awards made to investigate and deliver solutions, knowledge, tools, evaluation and techniques for defined issues. Projects are usually completed within 1 year.
RDTA570301	\$20,381	\$711	CEA TLAMIG	CEA (Canadian Electricity Assoc.) T Line Asset Management Interest Group ("TLAMIG") is a low overhead collaborative focus on member-driven transmission line maintenance needs and problems. AEP funded 2006 projects in reliability effects of defective line insulators and an asset management approach to tower painting. Several promising projects will be funded in 2007, including the deployment of a transmission line hardware failure reporting database for the detection of trends in line equipment failure modes.
RDTA570401	\$63,536	\$2,216	PSerc	PSerc (Power Systems Engineering Research Center) is an NSF sponsored university (13)-industry (38 members) consortium. Participation in PSerc provides AEP access to experienced university researchers in leading electric power programs across the U.S., results of collaborative member defined and approved low overhead R&D projects, and access to leading students for both intern and permanent employment positions. Participation in PSerc is a valuable element of a balanced portfolio of AEP internal and external R&D plays
RDTA570501	\$6,298	\$220	IEC61850 Network Mgmt Capabili	Network Management to support Communications to/from Substations using the International Standard IEC 61850. This is related to the EPRI sponsored IEC 61850 Projects. 2005 work includes identification and development of network management requirements for deployment and maintenance of IEC 61850 devices to be applied at AEP substations. 2007 work will focus on developing detailed design documents to address the requirements as part of a pilot project. The project goal is to enable network management technology in substations. The focus in 2007 will be on completion of specifications and the start of a pilot demonstration.
RDTA570601	\$14,760	\$515	IEC 6185 Testing	Communications to/from Substations using the International Standard IEC 61850. This is a continuation of the EPRI sponsored IEC 61850 Testing Project. The current testing procedures require expansion and specification addition. Additional capability to be added to the current testing tools at AEP/Dolan for IEC 61850. Develop, jointly with industry partners, tools and techniques to provide capability for IEC 61850 Interoperability Testing at AEP/Dolan Test Facility. Funding will also help with the development of users guides for the specification of IEC 61850 products in coordination with the UCA International Users Group. Currently AEP/Dolan is setup for the initial phases of conformance testing only. The goal is to develop capability for the industry to be able to test substation devices for conformance with IEC 61850 protocol. Dolan is providing third-party services to the industry by testing IEC 61850 devices.
RDTA570701	\$17,582	\$613	Use of Synchronized Sampling	The purpose of this project is to demonstrate how Intelligent Electronic Device (IED) data can be used to enhance EMS functionality and operator ability to better deal with fault disturbances and other system contingencies, if time-synchronized data sampling is utilized. Advantages of time synchronization of both samples and phasors including automatic data collection and processing will be demonstrated in this project as well. The main focus of this project is new field equipment prototype development, software development for new applications, exploration of new services, and study of economic benefits.
RDTA570901	\$140,527	\$4,662	Phasor Tech: Plan & Ops Tools.	1) Develop tools and techniques to analyze data captured by AEP phasor monitoring units (PMUs) and apply the tools and techniques in planning (off-line) and operations (real time) environments. 2) Participate in the Eastern Interconnection Phasor Project (EIPP), which is facilitating development of a phasor data network in the Eastern Interconnection (EI). The vision of EIPP is to improve power system reliability through wide area measurement, monitoring, and control.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA571001	\$134,031	\$1,935	Pilot Install - GE Process Bus	This project will research and perform background engineering for a pilot installation of a new product featuring GE Multilin's implementation of the IEC 61850 Process Bus concept. The actual equipment installation and commissioning of the pilot is planned for 2008. This product offers significant potential savings in the Total Installed Cost of Protection & Control systems, including design engineering, drafting, and installation labor. Additionally, this product will simplify testing and will potentially reduce the number of inadvertent protection operations due to incorrect protection, isolation, or restoration.
RDTA571101	\$127,964	\$3,687	BPL Use for Data Transportatio	Explore the use of BPL (Broadband Power Line Carrier) technology for data transport to reduce the use of leased lines and associated O&M costs. Build on the knowledge gained from the 2006 BPL SCADA and Protective Relaying R&D project. Project elements likely will include: 1) further characterization of 46kV, 69kV and 138kV transmission lines as BPL communication channels; 2) performance comparison of single phase and multi-phase BPL coupling 3) optimization of Amperion's BPL system for internal utility data transfers to reduce cost and maximize distances between repeaters. 4) analysis of various options for powering BPL repeaters. 5) exploration of the use of BPL as a transmission line diagnostic tool. 6) through Amperion - Dolan Lab development and testing, qualify BPL components and system for 69kV and 138kV applications.
RDTA571301	\$10,122	\$353	Galloping Conductor Mitigation	Identify the possible use of Performed Air Flow Spoilers to limit/mitigate galloping on a selected 345KV span in Indiana. Summary of 2005/2006 Work: In 2005, two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers were electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance. Based on the test results, 25 units of non-EHV spoilers were installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 kV circuits. Ground clearance of the conductor was measured and a stationary video camera was installed to record its motion as compared to that of the conductors with no spoilers installed.
RDTA571401	\$8,380	\$292	High Temp Superconduct Cable	This project has developed a high temperature superconducting, three phase, triax cable and is in the process of demonstrating its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable is currently operating in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs. The cable and support systems will be removed and the station restored after the 1 - 2 tear demonstration is completed.
RDTA571501	\$2,557	\$89	HTS Matrix Fault Current Limi	SuperPower was developing a high temperature superconducting (HTS) fault current limiter for application at an AEP 138 kV station. However, due to aging problems with the superconductor elements, the project was put on hold from mid-2005 to mid-2006. With the viability of the second generation superconductors, the development has restarted. Presently, the Tidd 138 kV station is selected as the likely demonstration site. If this technology is developed and successfully field-demonstrated, it will provide an alternative to breaker replacement at Tidd and some other stations, depending on the MFCL cost. In addition, successful demonstration of this technology will provide a giant step in the application of superconductivity technology and it will add to the understanding of the voltage insulation characteristics of liquid nitrogen.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA571801	\$7,443	\$260	Pwr System Load Modeling, P2	Validate and improve load modeling used in transmission planning and system dynamic studies. This project is a continuation of an earlier EPRI project (Phase I) whose objective is to make use of measured load data captured during system disturbances to improve the accuracy of load modeling.
RDTA580701	\$4,063	\$142	PredictingOutages w/ PMU Data	The purpose of this project is: 1. Detecting and predicting some measure of vulnerability or probability of cascading outages for the current operating condition. 2. Test the predicting cascading outages approach using Utility's load flow data. 3. Prepare the Technical Resources.
RDTA580801	\$20,506	\$508	InsptnOf 765kV NCIs w/AvianDmg	The objective of this study is to provide field personnel with inspection parameters which can be applied from a patrol helicopter to determine: 1) When a Non-Ceramic Insulator (NCI) with damage to its weather shed can remain in-service and it is reasonable to assume that the insulator will continue to perform its intended service. 2) When an NCI with damage to its weather shed should be removed from service but within a stated extend time frame (for example 2 to 3 years) 3) When an NCI with damage to its weather shed should be removed from service as soon as electrical operations permit but that the insulator will not constitute a reliability risk (for example 6 months) 4) When a NCI with damage to its weather shed should be removed from service ASAP to protect the integrity of the installation.
RDTA580901	\$46,129	\$1,609	Adv.Sensor-765kvSubs-AntnaAray	The overall project objective is to deploy, demonstrate and further research a suite of advanced sensors for AEP 765kV Substations. The objective of this specific charter is to demonstrate application of an Antenna Array Pilot to continuously monitor and detect partial discharge activity throughout an AEP 765kV station. (Prior research has deployed sensors in substations only up to 500kV). The proposed activity generates substantial new learning on Advanced Sensors through the deployment and research of these sensors in a 765 KV substation environment. This new learning will be ultimately incorporated into the appropriate EPRI R&D program (in this case P37). The results are ultimately made available to the public or used for the benefit of the public through the publishing of EPRI reports. There is significant public benefit derived from the new learning and this public benefit relies on the field tests performed in AEP Substations. Note: A trailer is required, which is beyond EPRI's scope.
RDTA581001	\$15,000	\$523	FutureTech-OHD Trans Line Insp	The overall project objective is to deploy, demonstrate and further research a suite of advanced sensors for AEP 765kV transmission line inspections. The objective of this specific charter is to demonstrate application of remote sensor technologies that allow AEP to detect known conditions on the existing AEP 765 kV transmission system to improve operations or to assist in making decisions involving line maintenance issues. Possible examples are: Towers located near water-cooling towers where contamination is resulting in short insulator life. Areas with unexplained line operations. Insulators that flash over with no obvious explanation. Insulator leakage or stray currents. Structures located near active slip areas. This sensor technology may lead to solutions for future transmission line design where AEP will need to push the limits of overhead 765kV transmission line design, such as; compact structure design and two phase operation for some period of time.

2008 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTS561401	\$396	\$14	High Temp Superconducting Cabl	<p>This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs.</p> <p>The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.</p>
RDWM201001	\$94,109	\$4,658	DTC Walnut Maintenance	<p>The Walnut Test Facility is owned by Columbus Southern Power. The facility is used by the corporate Utilities R&D program. As such, the expenses and results of work done at the facility are done for the benefit of multiple operating companies. This project/work order will allow for a mechanism to capture the annual costs of maintaining the facility, future investments, and other related annual expenses - e.g. depreciation of the assets that were transferred in accordance with the dissolution of AEP EmTech, LLC. etc. - and expensing them to the appropriate benefiting locations.</p>
NBNANDA	\$7,499,427	\$285,821	EPRI Base Program	<p>Project used to account for the prepayment of the 2008 base program in December, 2007.</p>
Sum:	\$17,510,586	\$1,004,714		

2 Months Ending Sept. 2009 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDCP570001	\$389,911	\$16,136	2007 Corporat Tech Program Mgt	Coordination of AEP's: 1) Corporate Technology program and 2) Support the Corporate Technology Council
RDDA570101	\$17,636	\$814	Distr 2007 EPRI Annual Portfol	The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes: 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information - event and technology evaluations - that is expected to be useful for the strategic planning of our DER programs.
RDDA570201	\$93,019	\$4,291	2007 CEA Membership & Projects	The CEA is a collaborative of companies that propose and fund research topics. These topics can range from asset management to automation. The purpose of this project is to allocate funding for topics of interest within the Distribution organization. Individual project descriptions will be presented in the comments area of this document when available. CEA = Canadian Electric Association
RDDA570301	\$977	\$45	Dist Fault Location System	1. Develop an intelligent, operational, decision-support (fault locator) software tool to identify the location of low impedance, momentary and faults in distribution power systems. 2. Evaluate the use of this approach for high impedance faults.
RDDA570401	\$59,977	\$2,771	2007 NEETRAC Membership	The National Electric Energy, Testing, Research, and Applications Center (NEETRAC) was established in 1996 by the Georgia Tech Research Corporation (GTRC), a cooperative organization of the Georgia Institute of Technology. It is supported by a membership consisting of utility and industrial companies. The purpose of NEETRAC is research, development and testing in areas of interest to the membership and is funded by the Research and Development Baseline Budget from dues collected from that membership. The project selection generally is of a scope that is sufficiently broad as to be attractive to several Members, who are interested in sharing the resulting intellectual property. NEETRAC membership includes both collaborative and directed funding research. AEP's strategy is for NEETRAC to complement the Dolan Technology Center's (DTC) capabilities through research in such areas as cable life extension and other research or testing areas that the DTC is not directly involved in. AEP will be joining NEETRAC as a Corporate - Charter Member with voting rights on the selection and prioritization of projects. NEETRAC is a non-profit corporation.
RDDA571001	\$125,870	\$5,794	Line Equip Investigation Tools	This project is to develop a toolset that can be used to asses the condition of failing distribution facilities. The tools must be safely usable on energized equipment. It must provide a simple pass/fail indication with a high level of certainty in its result.
				Develop a Grid of the Future test facility at Dolan Technology Center that will enable the evaluation of technologies that support AEP's vision of the next generation Distribution network. For 2007: installation of a WiMAX network, demonstration of WiMAX compatibility with standard utility portocols, integration of Advanced Netering Infrastructure components, Distribution Automation components, and Asset Monitoring and Control components. The test bed will include and IP-based control network tat will facilitate AMI, DA, and Asset Monitoring and Control testing. For 2008: the test bed will be extended to include the evaluation of back office solutions (Yukon, Enmac, others), Home Area Networks (HAN), advanced DA and Asset Monitoring and Control, Distributed Energy Resources including Distributed Generation and Storage Technology.

12 Months Ending Sept. 2009		KY Power Total		Project Title	Project Description
Work Order	Corporate Total				
RDDA571101	\$673,267	\$31,129		Grid of the Future Test Bed	The information generated from these evaluations will be used to support decisions on vendor acquisitions, systems compatibility, and overall architecture & system design. Once the utility to HAN interface has been defined, communications into the customer premises will then be evaluated for DSM, DR, and metering applications like real-time pricing, tamper detection, remote connect/disconnect, and outage management. Equipment from multiple vendors will be accommodated.
RDDA571201	\$150,154	\$6,950		AMI Test Bed Development	Develop an Advanced Metering Equipment (AMI) test facility at AEP that creates the in-house capability to evaluate current and future AMI equipment and their supported Distribution applications. The information generated from these evaluations will be used to support decisions on AMI vendor selection and system design. Compatibility of AMI with Distribution Automation equipment will be explored, and Distributed Intelligent Monitoring, Communication, and Control evaluations will be supported. Communications into the customer premises will be evaluated for DSM, DR, and metering applications. Equipment from multiple vendors will be accommodated.
RDDA581501	\$70,464	\$3,005		Green Circuits	This project is a field demonstration on a select number of distribution circuits converted to Green Circuits through various loss reduction methods to determine if losses can be reduced significantly. Loss-reduction approaches could include optimal var reduction using switched capacitors, voltage control, targeted equipment changes (efficient transformers), and targeted design changes (reconductoring or reconfiguring).
RDDA581601	\$34,400	\$1,574		LED Outdoor Lighting Technology	The purpose of this project is to compare LED versus HID lighting technology for outdoor lighting applications. This will be accomplished through several field installations of LED lights. These installations include the following: 1) Replacing 18 - 480volt, high pressure sodium fixtures with 18 - 480 volt GE LED fixtures of the three streets around One Riverside Plaza (Long St., Marconi, and Spring St). These are The City of Columbus Poles. 2) Replacing 4 - 120 volt, high pressure sodium fixtures with 4 - 120 volt, GE LED fixtures in the from parking lot at Dolan Lab. 3) The new installation of 3 GE LED fixtures at SWEPCo.
RDDA581701	\$60,817	\$2,802		GRDSMRT-SolarWindEnergyStorage	The primary purpose of the project is to test and compare Greenfield Steam & Electric's concentrated photovoltaic (PV) technology prior to any large-scale deployment. The test bed will allow the concentrated PV performance to be easily compared to the performance of a commercially available PV system. The test bed will also be used to model a typical residential-size distributed energy resource installation. The integrated test bed will allow AEP to study the effects of residential-size wind and solar on the grid, as well as the interface and controllability it may have with a Home Area Network (HAN) and Advanced Metering Infrastructure (AMI).
RDDA581801	\$61,942	\$2,864		GRIDSMART-Ice Energy Storage	Demonstrate and evaluate the Ice Energy off-peak ice maker. This is an energy storage technology, intended to shift cooling load into off-peak times. Installation will be this Fall, with cooling performance measurements during the Summer of 2009.
RDDA581901	\$330,000	\$15,155		EPRI Demo - Smart Grid	In addition to controls on emissions from power plants, significant reductions in emissions of carbon dioxide can be achieved through contributions from energy efficiency, plug-in hybrid electric vehicles, and distributed energy resources. Integration of these resources through the electric distribution system will require new communications and control technologies. This project will conduct several regional demonstrations to integrate distributed power generation, storage, and demand response technology into a demand-side virtual power plant. The demonstrations will take advantage of infrastructure investments that are being made across the industry and illustrate ways in which distributed resources can be integrated with system operations.

12 Months Ending Sept. 2009		Project Title		Project Description
Work Order	Corporate Total	KY Power Total		
RDDA582001	\$280,000	\$12,859	EPRI Demo - Energy Efficiency	One way to meet the challenge of growing demand for electric power is to reduce a portion of that demand through end-use energy efficiency improvements. The purpose of this project is to demonstrate that efficiency improvements in lighting and space-conditioning in buildings can be successfully implemented in North American commercial and residential buildings. Issues to be resolved include adapting service voltages and frequencies, electromagnetic compatibility, power quality, and customer acceptance. Examples of technologies to be deployed include Variable Refrigerant Flow Air Conditioning, Heat Pump Water Heating, Ductless Residential Heat Pumps and Air Conditioners, Hyper-efficient Residential Appliances, Data Center Energy Efficiency, and LED Street and Area Lighting.
RDDA582101	\$125,000	\$5,793	PHEV Technlgy FutureStrategies	The primary purpose of the project is to prepare our business for the mass deployment of PHEVS across AEPS regulatory jurisdictions. Develop a strategy (in conjunction with R&D) that will have a positive impact on revenue and that leverages the capacity of our existing infrastructure.
RDDA592301	\$30,000	\$1,231	EPRI appliance HAN Interface	This project is designed to provide appliance manufacturers with an opportunity to build products capable of participating in a wide range of demand response programs without the need to embed network communication devices into their products. For utilities, this project will provide a design specification for end-use technologies to participate in demand response programs. If this specification is standardized by AHAM (Association of Home Appliance Manufacturers), then the public will benefit by providing choice and price controls through market competition.
RDDA592401	\$15,000	\$699	AplicatnAssessmnt-PulseClosing	EPRI will work with utilities to evaluate the pulse closing technology in laboratory testing and field trials. System integration issues will be identified and assessed. An evaluation protocol will be developed to assess the technical and economic impacts of the technology.
RDDR560001	\$2,832	\$130	Distributed Energy Resources P	Provide program management for the Distributed Energy Resources R&D program
RDDR560101	\$2,310	\$107	DR EPRI Annual Research Portfo	The Distributed Energy Resources (DR) EPRI Annual Research Portfolio includes: 1) Energy Storage Planning & Technology Assessment - Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. 2) Strategic Planning for DER - AEP has just consolidated its distributed energy resources (DER) activities to better prepare itself for the inevitable growth of DER on our system. Membership in EPRI 101A enables AEP to receive information – event and technology evaluations – that is expected to be useful for the strategic planning of our DER programs.
RDDR560401	\$0	\$0	Rolls-Royce 1MW SOFC Test&Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial, natural gas fueled, 1 MW SOFC system, utilizing our Walnut Test Facility. Participation provides "hands-on" experience with the technology. This enables AEP to proactively plan for the application and interconnection of the technology and its impact on the shaping the grid of the future.
RDDR570001	\$695,760	\$32,142	2007 DER Program Mgmt	Provide program management for the Distributed Energy Resources (DER) program.
RDDR570101	\$916,881	\$42,326	DER 2007 EPRI Annual Portfolio	Energy Storage has been recognized as a strategically important component of our future grid. Membership in EPRI 94.001 provides AEP with information on the state of utility-related energy storage technologies and their applications in the industry. Distributed Energy Resources (DER) program.

12 Months Ending Sept. 2009				Project Title	Project Description
Work Order	Corporate Total	KY Power Total			
RDDR570201	\$37,279	\$1,722		Micro-grid Proj - Inverter Gen	To demonstrate, evaluate and document operation and performance of the CERTS Micro-grid Concept, which was successfully bench-tested on the University of Wisconsin's microgrid emulator. This is the first full-scale demonstration of an inverter-based microgrid, consisting of multiple generation sources and loads. During 2006, the CEC/CERTS Micro-grid Project Team constructed a microgrid test bed at AEP's Walnut Test Facility. CEC/CERTS arranged for three 60 kW generators with inverters from TeCogen Inc.; the University of Wisconsin designed the test bed and; Northern Power System (NPS) tested the protection strategy and delivered protection equipment, switchgear and load/fault cabinets to the test bed site which was assembled by AEP contractors according to the test bed design. This project continues in 2007 from work performed in 2006 and involves commissioning the inverter-based generators in the test bed, conducting a full-range of tests according to an approved test plan, analyzing test results and documenting the resultant tests in a Final Report.
RDDR570301	\$80,887	\$3,766		Micro-grid Test Bed/DOE Tests	To demonstrate, evaluate and document performance and protection measures designed in the CERTS Micro-grid Concept. During 2006, the CEC/CERTS Micro-grid Project Team constructed a micro grid test bed at AEP's Walnut Test Facility. This project continues in 2007 from work performed in 2006 and involves detailed protection tests on the CERTS Micro grid Test Bed, funded by Dept. of Energy (DOE) through a contract with the University of Wisconsin. In addition to conducting a full-range of detailed protection tests, according to an approved test plan, it involves analyzing protection test results and documenting the results in a Final Report.
RDDR570401	(\$283,328)	(\$12,970)		RRFCS 1MW SOFC Test & Eval	Partner with Rolls Royce Fuel Cell Systems (RRFCS) to confidentially test and evaluate their pre-commercial prototype, natural gas fueled, 1 MW SOFC (Solid-Oxide Fuel Cell) system(s), utilizing AEP's Walnut Test Facility. Participation enables AEP to obtain "hands-on" technology intelligence; shape the grid of the future; attract manufacturing jobs to AEP's Ohio service territory; and obtain preferential pricing and/or credits toward future purchase of commercial system(s).
RDDR570601	\$8,293	\$322		RRFCS 1 MW SOFC Test & Eval-3	This is a request to add step 3 to existing work order RDDR57401. This step will allow segregation of expenses vs billing to Rolls Royce for recoverable costs. Refer to RDDR570401 and DRRD570501.
RDES560001	\$184,438	\$7,313		Environ Science&Ctrls ProgMgmt	Provide funds for travel related to the Environmental Science and Controls program, and for small projects and investigations as needed.
					Environmental Controls projects from the EPRI Annual Research Portfolio include: 1) Program 71 – Combustion Performance and NOx Control - AEP buys two projects from this program. Project 71.001, Mitigation of Fireside Corrosion and Waterwall Wastage in Low-NOx Systems, takes a three-pronged approach to understanding and resolving the costly consequences of accelerated fireside corrosion exacerbated by low-NOx operation, looking at coal quality, boiler design, and materials-based solutions. Purchase of this project also provides the opportunity to participate in the Waterwall Wastage Interest Group. Project 71.004, Coal and Airflow Measurement and Control, seeks integrated solutions for monitoring and controlling air/fuel ratios of individual burners to minimize NOx and LOI levels and optimize boiler efficiency without sacrificing unit capacity.

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Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES560101	(\$1,980,946)	(\$59,814)	EPRI Environmental Controls	<p>2) Program 75 – Integrated Environmental Controls - This program helps power producers realize the savings promised by emerging integrated environmental controls. In the near term, the program will develop, refine, and demonstrate least-cost mercury controls for commonly used power plant designs, fuels, and air pollution controls. Over the medium term, EPRI will evaluate new integrated multipollutant processes (i.e., mercury plus criteria pollutants) as they are developed and refined. Our purchase in this program includes Project Set 75A, which provides technical evaluations of emerging technologies, and Project Set 75B, which develops improved, lower-cost controls to capture air toxics (primarily mercury) along with other pollutants. We do not purchase Project Set 75C, dealing with the capabilities of modern SO2 controls and their ability to support multipollutant control requirements.</p>
				<p>3) Program 76 – Particulate and Opacity Controls - This program provides least-cost solutions that help power plants meet particulate emissions and opacity limits in the face of changing ash loadings (e.g., due to NOX or mercury controls) or stricter limits. The approach is to conceive or identify promising new emissions control technologies and demonstrate them. These solutions address a variety of common issues, including high unburned carbon, reduced emission limits, loss of start-up/shutdown and upset exemptions, ESP deterioration (especially hot-side ESPs), and Compliance Assurance Monitoring (CAM) requirements.</p>
				<p>4) Program 77 – Continuous Emissions Monitoring - This program develops, enhances, and evaluates Continuous Emissions Monitors (CEMS) that measure particular chemical species of regulatory and operational interest. These systems will help power producers 1) comply with new reporting requirements (e.g., emissions of mercury from coal-fired units and CO at levels below 1 ppm in combustion turbines); 2) prepare to meet growing state requirements for continuous particulate mass monitors; and 3) optimize pollutant control equipment operation by more accurately measuring gas properties (e.g., SO3).</p>
				<p>Environmental Science projects from the EPRI Annual Research Portfolio include: 1) Air Quality Programs - By providing credible scientific information and state-of-the-art assessment and management tools, EPRI's air quality programs support the development of effective and protective policies, standards, implementation plans, and compliance strategies. Programs within the Air Quality area include 42 – Air Toxics Health and Risk Assessment, 91 – Assessment Tools for Ozone, Particulate Matter and Haze, and 92 – Assessment of Air Quality Impacts on Health and the Environment. 2) Global Climate Change Area - EPRI's global climate programs deliver essential information on the costs and benefits of policy options as well as on greenhouse gas reduction options to facilitate science-based policymaking and effective technical and business decision-making. Programs in the area include 102 – Global Climate Policy Costs and Benefits and 103 – Greenhouse Gas Reduction Options. 3) Land and Groundwater Issues - EPRI's land and groundwater programs provide advanced science and technology for managing the chemical interactions between facilities and their surroundings, protecting natural and human environments, and returning previously contaminated sites to productive use. Programs include 49 – Groundwater Protection and Coal Combustion Products Management, 50 – MGP Site Management, 51 – Transmission and Distribution Soil and Water Issues, and 59 – Plant Multi-media Toxics Characterization (PISCES).</p>

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Work Order	Corporate Total	KY Power Total			
RDES560201	\$3,223,695	\$127,982		EPRI Environmental Science	4) Water and Ecosystems - Water, watershed, and ecosystems programs yield advanced scientific knowledge, sophisticated analytical tools, innovative methodologies and field-proven technologies for integrated management of water resources, energy facilities and natural ecosystems. Programs include 53 - Mercury, Metals and Organics in Aquatic Environments, 54 - Section 316(a) and 316(b) Fish Protection Issues, 55 - Watershed Management and Water Resource Sustainability, 56 - Integrated Facilities Water Management, 57 - Rights-of-way Environmental Issues in Siting, Development and Management, and 58 - Hydropower Environmental Issues.
RDES560301	\$22,903	\$942		Climate Contingency Roadmap	Continue the effort to provide greater understanding of the links between climate change and the electric sector that will be essential for making sound decisions about climate policy and compliance measures. In particular, look at the role of the electric sector in climate change, at the societal impacts of climate policy proposals, at the capabilities and costs of various emission reduction options, and at incentives for developing and deploying climate-related technologies.
RDES560501	\$85,500	\$3,101		Ash Pond SCR Ammonia Mitigation	To monitor the effect of power plant inputs on ash pond water quality and determine the effects on pollutant assimilation and pond treatment efficiency. Specific studies to encourage the maximum ammonia mitigation potential of the Amos fly ash pond will continue. Efforts will be made to optimize pond characteristics and nutrient levels to achieve the best ammonia reductions through algal assimilation and bacterial nitrification. Novel approaches exist to sequester selenium, mercury, and other metals into ash sediments. Several strategies will be tested at AEP sites and a guidance manual, "Integrated Ash Pond Management," will be developed.
RDES560601	\$169	\$9		Ohio River Ecological Research	The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Eleven companies, representing 17 facilities, are participating in this innovative, multi-facility, program. Participation in the program will result in the development of in-river fish assemblage and population data along with the simultaneous collection of impingement data. Such a database has never before existed and will permit the analysis of the relationship between fish impingement rates and intake structure design characteristics.
RDES560801	\$32,681	\$969		Water Environment Research Fd	Implement benefits of membership in the Water Environment Research Foundation for the following purposes: 1. Development of scientifically sound, flexible water quality standards at the state and federal level. 2. Minimize Company liability by preventing the unnecessary (or scientifically unsound) listing of facility water bodies on state Total Maximum Daily Loading (TMDL) lists. 3. Maximize wastewater permit compliance and minimize risk of installing costly treatment capital Note: This benefits all generation, including Nuclear and Hydro
RDES561101	\$32,631	\$1,198		General Mercury Science & Tech	To better prepare AEP for compliance with the Clean Air Mercury Rule and other regulations on emissions of mercury by characterizing mercury emissions from various configurations of plant equipment and coal types, examining the effect of environmental controls on mercury emissions, helping in the development of cost-effective mercury monitoring systems, testing various types of mercury sorbents, participating in tests of control technologies at a Texas lignite plant and at the Rockport plant, and traveling to sites where mercury control and monitoring equipment is being demonstrated.

12 Months Ending Sept. 2009			Project Title		Project Description
Work Order	Corporate Total	KY Power Total			
RDES561301	\$2,500	\$127	MerCCIG		The Mercury Characterization and Control Interest Group (MerCCIG) is a collaboration with EPRI and other utilities to find timely and cost-effective solutions to problems related to mercury emissions from coal-burning power plants, including characterization of mercury emissions in plants of various configurations and with varying coal feeds, measurements of mercury emissions, and the chemistry of mercury in flue gas.
RDES561501	\$2,500	\$119	Aerosol Emissions Ctrl Int Grp		The Aerosol Emissions Control Interest Group (AECIG) is a collaborate effort with EPRI and other utilities to find timely and cost-effective solutions to problems related to emissions of aerosols. In particular, sulfuric acid aerosols from coal-burning power plants, including measurement of sulfur trioxide emissions, methods of controlling SO3 emissions, and the chemistry of formation of sulfur trioxide in flue gas.
RDES561601	\$46,068	(\$2,025)	Demo Sieving Electrosta Precip		Demonstrate the technical feasibility of a new type of electrostatic precipitator invented by Professor Hajrudin Pasic at Ohio University by installing a pilot unit on a slipstream at an AEP power plant in Ohio, most likely the Conesville Plant.
RDES561801	\$2,610	\$107	Tech Supp Cont Hg Monitor Demo		Assist the EPA and its contractors in developing a comprehensive field demonstration of certifiable continuous mercury monitors (CMMs) at two power plant sites that will address the recently identified impediments to commercial application of CMM technologies. Specific objectives include: 1) Development and documentation of Hg calibration and linearity procedures; 2) Drafting of an instrumental reference method for annual relative accuracy audits (RATA); 3) Documentation of reliability, operability and performance characteristics of the CMM, Ontario Hydro Method and Draft Method 324 (QSEMS), for low level detection limits, typical of utility mercury emissions
RDES570301	\$3,956	\$176	Assess SeleniumBioaccumulation		This study will evaluate the compliance risk of AEP wastewater discharges being subject to U.S. EPA's forthcoming fish tissue water quality criterion for selenium. While the criterion is not expected to be finalized until 2008 or 2009, some states in the AEP service territory have already begun analyzing fish for selenium content to determine locations where the criterion could be exceeded. West Virginia DEP has studied the fly ash receiving streams at Amos and Mitchell Plants, and determined that fish have very high selenium levels at these locations. This study would evaluate locations where compliance with the upcoming criterion would be problematic. With this information, permitting and regulatory options for achieving compliance (for example, site-specific criteria) can be assessed before a non-compliance situation actually happens. At facilities being retrofitted with wet FGD systems, levels of selenium in wastewater discharges are expected to increase due to the transfer of selenium from flue gas to the FGD absorber vessel.
RDES570401	\$4,000	\$124	MANAGES Forum		Proposed new federal guidelines for coal combustion byproduct disposal in landfills and impoundments will increase compliance requirements, including data management and reporting, groundwater assessment, and, in some cases, remediation. The MANAGES Forum will provide continuing high level support for compliance managers in the form of software, training, webcasts and workshops, and an online groundwater monitoring and assessment guidance manual.
RDES580601	\$164,169	\$3,778	OhioRiverEcologicalResearchPrg		The objectives of the project are to 1) provide information on the effects of fish impingement, thermal discharges, and other power plant wastewater processes on fish populations in the Ohio River; 2) provide information useful in commenting on proposed ORSANCO, federal, and state water quality standards for the Ohio River; and 3) update existing data and refine fish population estimates to address USEPA 316(b) concerns. Schedule will include winter sampling, which has only been done once in the history of the program.
RDES582001	\$7,131	\$262	Cansolv Feasibility Study		Cansolv has developed a technology for removal of sulfur dioxide (SO2) from flue gas, which might be cost effective for AEP's smaller and older plants. They propose to install the technology on one of our plants, probably Picway, to prove its applicability. This project consists of a feasibility study to examine the application of the technology to Picway Plant.

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Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES582101	\$76,033	\$1,104	FGD Lndfl Leachate Phytoremdtn	Establish a pilot project at Gavin to determine the efficiency of two types of biological (phytoremediation) treatment for removing trace elements from wastewater at three FGD (Flue Gas Desulphurization) leachate collection pond systems. Information gained from the project could be used at other AEP facilities where treated FGD leachate is discharged to a receiving stream.
RDES582201	\$10,650	\$468	Trona/FuelSwitchs-AshPonds	Trona is a naturally occurring mineral [Na3(CO3)(HCO3")*2H2O] that has been found to be successful in mitigating SO3 emissions (blue plume) from coal fired power plants. Unfortunately, it is not yet known what downstream effects Trona use will cause in sluiced ash or in ash ponds. Because of its potential to strongly increase the pH of the sluiced ash, it is possible that substances such as mercury, selenium, and arsenic, which normally are strongly adsorbed to ash particles, may become desorbed. Once such substances enter the dissolved phase, it is not likely that they will resorb to the settling ash, thus increasing the likelihood of permit violations at NPDES discharge points. Fuel switching can have similar effects. Rather than merely managing pH in the sluice lines, consideration is being given to managing the sluice lines as potential treatment systems.
RDES582301	\$10,864	\$499	SCR CatalystRegen-Low SO3 Conv	<p>All the SCR units in AEP system will have FGD retrofits by 2015. After FGD installation, the unit starts burning higher sulfur coal. The original SCR catalysts that have relatively high SO2/SO3 conversion rate will generate considerable amount of SO3 in the flue gas and result in blue (SO3) plume in the stack. Replacing the original catalyst with low SO2/SO3 conversion catalyst is a part of SO3 mitigation strategy for SCR units with FGD system. The catalyst regeneration technology has been developed for more than ten years in Europe to restore the catalyst activity so that the catalyst can be re-used. In order for the original catalyst to be regenerated and re-used in AEP system, not only the catalyst activity needs to be restored, but also the SO2/SO3 conversion rate needs to be reduced significantly (> 60%).</p> <p>We have been working with SCR-Tech and Hitachi to test regenerate some of the original catalyst. The results have not been successful. SCR-Tech proposed a new R&D approach, as shown in the attached document, to restore the catalyst activity and reduce the SO2/SO3 conversion rate by a process fundamentally different from their standard regeneration. The current price of the regenerated catalyst is approximately 60 to 70% of new catalyst. Should this new approach be successful, it could result in an AEP SCR catalyst management cost savings of more than \$3M in 2008\$.</p>
RDES582401	\$25,000	\$977	EPRI - Pittsburgh ARIES	The purpose of this project is to extend the research on health effects to the Pittsburgh PA area, where the air shed is dominated by sulfates and nitrates from power plant emissions, and thus would help validate the findings from other site studies that have strong transportation signatures.
RDES582501	\$50,000	\$1,954	EPRI HG-SE FGDBlowdownWtrTrtmnt	All flue gas desulfurization systems require periodic blowdown to limit the build-up of chlorides and other soluble products of the combustion process. Some constituents of the blowdown water will include trace elements that are subject to increasingly stringent control requirements. Two such elements are mercury and selenium. This project will evaluate promising technologies for treating emissions of those elements in the chloride purge stream.
RDES582601	\$10,000	\$391	ScreeningMethods-StructualFill	The use of flyash in structural fills is an attractive alternative to disposal of the material. In some cases, however, groundwater impacts from such use of flyash have required remediation. The purpose of this project is to develop a methodology for quickly screening proposed structural fill opportunities to determine their environmental suitability. The methodology will utilize advances in the characterization and evaluation of coal combustion products, incorporating several EPRI modeling tools.

12 Months Ending Sept. 2009 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDES582701	\$50,000	\$1,613	Arsenic Water Quality Criteria	Arsenic is released from coal during combustion and is associated with bottom ash and fly ash. The sluicing of the ash with water results in the discharge of arsenic to streams and rivers. Current arsenic water quality criteria are very low and jeopardize compliance with effluent limits. This project will fill critical information gaps on arsenic speciation and bioaccumulation, providing the data needed to support the development of more realistic and scientifically defensible water quality criteria for arsenic. The project will be done in close coordination with USEPA and will involve laboratory studies of arsenic uptake by fish. The project is expected to assist USEPA in the development of revised arsenic water quality criteria that will be substantially higher than current values, improving compliance at affected power plants.
RDES582801	\$650	\$0	HighFreq.Transformer/Rect.Test	Presently, all production high frequency (HF) TR sets operate with a three phase feed voltage of 480V. However, the majority of the AEP System operates at 575V. Our present HF TR sets at plants with 575V power have required a step down transformer to obtain 480V. The development of a 575V HF TR set would reduce the added electrical infrastructure required to install HF TR sets that can include new 3 phase power feeds including conduit and/or cable trays, transformer, MCC, etc. Manufacturer offering trial or demonstration at no equipment costs to AEP. Cost is to install/remove HF TR sets.
RDES593001	\$25,000	\$807	GrnhseGas-amazon Deforestation	This project will explore and develop opportunities to reduce global greenhouse gas emissions by promoting the preservation of forests in the Xingu River Basin in the Amazon River watershed. Efforts will include soliciting active participation of indigenous communities in the conception, development and implementation of measures to avoid deforestation, development of appropriate baselines to quantify the avoided CO2 emissions, and the use of satellite remote sensing technologies to monitor and verify the results of the project.
RDES593101	\$56,700	\$3,124	Ohio River Basin Trading Prgm	water quality and greenhouse gas credits. Building on related EPRI work to quantify greenhouse gas (GHG) emission reductions for avoided fertilizer use, this project will develop an approach for creating GHG and water quality credits associated with reduced nitrogen fertilization on agricultural crop lands. This project also will build on EPRI's work to establish a WARMF watershed model of the entire Ohio River Basin. Properly designed and deployed, this trading program will reduce GHG emissions and nutrient discharges, such as nitrogen, and protect watersheds at lower overall costs. This project will be a first-of-its-kind regional trading program and represents a comprehensive approach to managing nitrogen, phosphorus and GHG emissions. This work is timely as existing challenges to meet nutrient discharge limits may be amplified by increased effluent discharges of nitrogen (due to operation of air pollution controls), coupled with more stringent water quality based limits for surface waters. In addition, the establishment of GHG credits due to avoided emissions improves AEP's ability to purchase local, ecologically defensible carbon offsets.
RDES593201	\$50,000	\$2,766	Sustainable Management of CCP's	To provide technical data and background to help others understand the risks posed by Coal Combustion Products (CCPs), relative to other products, and costs for process modification at power plants. The information will be used to advise those writing new CCP rules following the TVA ash release that triggered a fast schedule by USEPA for new CCP regulations.
RDGA260001	\$164,651	\$4,564	Adv. Generation Prog. Mgmt	This line item is used for the Advanced Generation R&D Program (AG) pre-project R&D development efforts and to track and manage misc. AG R&D projects < \$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the Advanced Generation Management function. It is also used to track participation at general conferences and other trips associated with the Advanced Generation program. The scope of this charter includes: 1) Fees and travel expenses for conferences and meetings related to AEP's advanced generation activities. 2) Opportunities to participate in R&D projects that arise during the year. 3) Coverage of travel expenses related to EPRI Advanced Generation programs.

12 Months Ending Sept. 2009			Project Title	Project Description
Work Order	Corporate Total	KY Power Total		
RDGA260201	\$290,422	\$11,351	Coal Utilization Research Coun	The Coal Utilization Research Council (CURC) was formed in 1997 as an ad-hoc group to act as an industry voice for R&D needs associated with the role of coal as a sustainable energy source for electric power generation as well as the transportation and chemical industries. CURC members include utilities, equipment suppliers, coal companies, universities, and other energy-related companies and consortiums. The CURC provides its members with a respected, influential forum in which they work to ensure the continued viability of coal. In a collaborative effort to define future technologies to effectively use coal, the CURC has put together a comprehensive strategy for coal research and development. CURC representatives meet with members of Congress and Fossil Energy in the DOE to provide input to the nature and level of R&D funding for coal-related research. In development of authorizing legislation, appropriations bills, regulatory initiatives and annual federal budget proposals, the CURC is recognized for providing accurate information and creative ideas to advance coal-related technology
RDGA260601	\$33,000	\$1,041	Technology Assessment Guide	The EPRI Technology-Based Business Planning Information & Services (aka Technology Assessment Guide, or TAG) provides performance and economic information about most generation technologies. The TAG-Supply Database and Software currently covers 24 categories—including all major fossil and nuclear plant types, several energy storage technologies, small-scale generation options, renewable resource technologies, and transmission and distribution facilities—with nearly 100 distinct configurations of process technology, fuel, and location.
RDGA260701	\$422	\$12	Geologic CO2 Sequestration P2	This is an on-going project (co-funded by the DOE and led by Battelle) that is investigating the feasibility of safely injecting and storing CO2 in deep salt water-laden rock formations. The project is located at AEP's Mountaineer plant in New Haven, WV. To date, the project has: <ul style="list-style-type: none"> • Compiled and reviewed pre-existing information on above ground and subsurface geologic, hydro geologic, and geo chemical parameters of interest in our operating area. • Selected a location for drilling a deep well to characterize the host reservoirs and cap rock formations that can be used for injection containment, and monitoring of CO2 for a long-term experiment. • Conducted a preliminary assessment of coal bed sequestration opportunities in the vicinity for the selected site. • Obtained subsurface data required for the regulatory permits and baseline monitoring through the use of borehole logs, reservoir testing, and seismic analysis (surveys). • Conducted reservoir simulations and geo chemical assessments to predict the fate of injected CO2 and determine operational parameters for CO2 injection and monitoring. Phase 2 covers a feasibility study to install a 30-50 ton/day slip-stream carbon scrubber at the plant to conduct test injections of CO2 into the deep well.

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RDGA260901	\$37,735	\$1,755	MIT Carbon Sequestration Init	<p>The Carbon Sequestration Initiative (CSI) is an industrial consortium formed at MIT to investigate carbon management strategies and carbon sequestration technologies. The consortium currently has nine members: American Electric Power, Electricité de France (EDF), EPRI, Exxon Mobil, Ford Motor Company, General Motors, Peabody Energy, ChevronTexaco, and Total FinaElf.</p> <p>Contractually, the CSI operates in three-year planning phases, administered through MIT's Laboratory for Energy and the Environment (LFEE). Phase I began July 1, 2000 and the second three-year phase for the CSI began on July 1, 2003.</p> <p>The CIS provides access to significant research in the areas of carbon capture, carbon sequestration, and public policy. It is sponsoring special studies at the direction of the CSI members by MIT graduate students. Because Howard Herzog is a member of the IPCC it also provides up-to-date status reports on those activities.</p>
RDGA261001	\$60,350	\$2,590	FutureGen - Cost Share	<p>On February 27, 2003 Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p>
RDGA261101	\$146,566	\$4,265	FutureGen - Non-Cost Share	<p>On February 27, 2003, Secretary of Energy Abraham announced a new federal initiative to sponsor a prototype power plant of the future to combine advanced generation technology, hydrogen production, and carbon sequestration. The project, dubbed FutureGen, is envisioned to be a means to demonstrate the integration of hydrogen-friendly and carbon-friendly technologies and a platform for testing other associated technologies. The estimated cost of the program associated with this plant is \$950 million, with \$250M coming from industry and \$700M coming from the DOE. The FutureGen Alliance was formed in 2005, and signed a Cooperative Agreement with the DOE on Dec. 1, 2005 for the first 14 months of the project. The first 14 months will focus on site selection and preliminary design and cost estimates. The schedule for the project is attached to the end of this charter.</p> <p>Under the terms of the Cooperative Agreement, there are certain charges that are not allowed to be included in the industry 26% cost share. These include charges that may be necessary to complete the work, but are not included in the Statement of Work or are allowed as part of the 10CFR600 regulations. Examples are lobbying expenses and travel costs exceeding the DOE approved maximum amount. This work order is to track such time and charges.</p>
RDGA281701	\$18,310	\$539	Rampressor Feasibility Study	<p>AEP is exploring carbon capture and storage technology to address global climate change legislation pending in Congress. CO2 compression for geologic storage is a key component of this process. Ramgen is developing an experimental compressor to compress CO2. The purpose of this study is to determine the feasibility of developing and using the Ramgen compressor technology ("Rampressor") for CO2 compression. Upon successful completion of the feasibility study, AEP plans to develop the first Rampressor for use at the Mountaineer Product Validation Facility to compress CO2 for geologic storage.</p>

12 Months Ending Sept. 2009 Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA281801	\$2,000,000	\$72,713	EPRI Demo-IGCC w CO2 Cap Strge	Integrated Gasification / Combined Cycle technology has been identified as one possible route to the capture of the greenhouse gas carbon dioxide. The purpose of this project is to provide information about the design, integrated operation, reliability and safety of IGCC systems with capture of carbon dioxide (IGCC/CCS). The demonstration project will allow the industry to evaluate the role that IGCC/CCS will play in meeting possible future carbon constraints.
RDGA281901	\$668,849	\$24,353	EPRI Demo-Ion Trnsprt Mbrne Oxy Prd	The ability to provide a low-cost stream of pure oxygen is an enabling technology for two different methods of separating carbon dioxide from flue gas, IGCC with CCS and oxy-combustion. Current cryogenic methods of oxygen production are very expensive in terms of capital, auxiliary power consumption, and water usage. Air Products and the United States Department of Energy have worked to develop methods of oxygen production involving transport of oxygen ions through a ceramic membrane, and the technology has progressed to a point where a demonstration unit is possible. EPRI's role in the project will be to provide an electric utility industry perspective to the project to ensure the ability to employ the technology in actual power plants.
RDGA282001	\$1,666,666	\$60,594	EPRI Demo-Post Cmbstn CO2 Cap & Strg	In order to gain public and regulatory acceptance of carbon capture and storage as a means of controlling the greenhouse gas carbon dioxide from coal-fired power plants, it is necessary to demonstrate that both capture and storage are feasible. This project will help to fund two large-scale demonstrations of carbon capture processes, one at AEP's Mountaineer Plant using the Chilled Ammonia technology, and the other at a plant in the Southeastern United States employing a different technology. Both projects will store the captured CO2 underground and monitor the results of that storage. Both projects will also demonstrate the ability to transport the separated CO2. EPRI's support will reduce AEP's funding of the Mountaineer project.
RDGA292101	\$1,000,000	\$32,264	Industrial Advisory Cmte - Sthrn Co	AEP will participate in a partnership at the Carbon Research Center at Power Systems Development Facility (CRC at PSDF). The focus of the CRC is to conduct sufficient R&D to advance emerging CO2 control technologies to commercial scale for effective integration into either IGCC or advanced combustion processes. A primary objective of the CRC testing is to evaluate solvents, sorbents, membranes and other emerging technologies in various contacting devices at an appropriate scale with real syngas. As concepts proceed past the bench scale, a test under industrial conditions with real syngas is needed to provide a pathway to commercialization. For both new and existing power plants, post-combustion capture technology must be made more efficient and cost-effective. Many technologies are under consideration for post-combustion capture, but these technologies need to be proven and integrated in an actual power plant setting. A Flexible Pilot Test Unit test module will be designed and installed at an existing pulverized coal plant adjacent to the PSDF.
RDGA292201	\$186	\$10	Solid Sorbent Retrofit Tech CO2 Cap	The overall objectives of the proposed project are to assess the viability and accelerate development of solid sorbent based CO2 capture technologies that can be retrofit to conventional coal-fired power plants. Technology issues and critical hurdles will be identified and addressed.
RDGA360001	(\$76,522)	(\$2,428)	Gen Asset Mgmt - Prog Mgmt	This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R&D projects costing <\$10K. The purpose of this charter is to document the scope, budget and costs (labor and non-labor) of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences for the AEP EPRI Advisors.

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Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDGA370201	\$6,000	\$164	Fleet-Wide Monitor InterestGrp	The purpose of the project is to provide industry information relating to remote monitoring of generation assets and condition assessment of those assets to optimize reliability and performance from the information derived from the monitoring. Areas that are being initially emphasized are thermal performance monitoring, equipment condition assessment, document management, and maintenance planning. Another aspect is to evaluate the value of central monitoring.
RDGA380001	\$5,278	\$167	Gen Asset Mgmt - Prog Mgmt	This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R&D projects costing less than \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences for the AEP EPRI Advisors.
RDGA380101	\$441,892	\$18,947	2008 EPRI Annual Portfolio	Program 63 - This program develops technology and guidance that allows participants to safely manage boiler component life for high reliability and reduced O&M costs. Technology development efforts will focus on advanced inspection techniques to identify component damage early and accurately; analysis tools to predict component remaining life and in-service failure risk; decision support tools that allow AEP to balance risk and economic benefits under a variety of plant operating scenarios and conditions; and repair techniques designed to maximize component economic life. (EPRI = Electric Power Research Institute) Program 64 - Participation in this program provides the opportunity to access the EPRI knowledge base across the wide breadth of this target. Program 87 - Acquire through EPRI membership in P87.001 and P87.002 the most current guides for material. Program 88 - The P88-HRSG Dependability program is to provide technology that will address chemical issues. Program 171 - Develop guidelines, materials, solutions, and monitoring techniques in this Issue Program.
RDGA380301	\$75,000	\$2,213	O&M Excellence(OMX)-PlantView	Upgrade PlantView software to support the goal of improved remote monitoring of plant operations and condition assessment leading to informed decision making for short term and longer term actions including risk-based decision making. Also, to develop tools to both help in the evaluation of advanced diagnostic tools as well as enhance the use of advanced diagnostic tools.
RDGA380601	\$2,500	\$83	PRO User's Group	The Plant Reliability Optimization (PRO) Users' Group will provide the opportunity to share information on PRO programs and practices. Additional benefits will be to develop members through technical workshops and identify and recommend solution paths for issues that need resolution.
RDGA380801	\$98,824	\$3,127	CreepStrength-G91FerriticSteel	The purpose of the project is to identify effective methods for locating and characterizing deficient G91 and other Creep Strength Enhanced Ferritic(CSEF) steels; develop material specs and processing standards to assist utilities in procuring G91 and other CSEF steel components; assemble a guideline that provides the life assessment protocol for G91 and other CSEF steels.
RDGA390001	\$2,821	\$89	Gen Asset Mgmt - Prog Mgmt	This line item is used for Generation Asset Management (GAM) pre-project R&D development efforts and to track and manage misc. GAM R D projects costing less 10K dollars. The purpose of this charter is to document the scope, budget and costs labor and non-labor of those projects and efforts included in the GAM function. It is also used to track participation at the general conferences associated with GAM especially EPRI conferences fro the AEP EPRI Advisors.
RDGA390901	\$5,000	\$137	PRO User's Group	The Plant Reliability Optimization (PRO) User's Group will provide the opportunity to share information on PRO programs and practices. Additional benefits will be to develop members through technical workshops and identify and recommend solution paths for issues that need resolution.

12 Months Ending Sept. 2009				Project Title	Project Description
Work Order	Corporate Total	KY Power Total			
RDNU560101	\$940,419	\$0		EPRI Nuclear Annual Research	<p>Collaborative R&D within the nuclear power industry ensures that nuclear power is an economically feasible option within the current and future generation mixes. To this end, EPRI develops cost-effective technology for safe and environmental friendly electricity generation that maximizes profitable utilization of existing nuclear assets and supports promotion and deployment of new nuclear technology.</p> <p>EPRI's Nuclear Power program centers on seven key business objectives.</p> <ul style="list-style-type: none"> • Maintain nuclear plant safety • Maximize productivity of existing assets • Facilitate waste disposal • Maintain critical infrastructure • Evaluate evolutionary and new designs • Improve risk management • Optimize fuel utilization <p>Based on these key objectives, the EPRI 2006 Nuclear Power Program Portfolio consists of the 11 strategic technical areas listed below. For each of the areas, the EPRI Nuclear Portfolio contains information on the Strategic Content and the associated Barriers to Overcome. For each of the Barriers there is a description, planned or ongoing activities and major solution elements.</p> <ul style="list-style-type: none"> • Materials Degradation/Aging • High Performance Fuel • Radioactive High Level Waste and Spent Fuel Management • NDE and Material Characterization • Equipment Reliability • I&C Hardware and Systems • Nuclear Asset/Risk Management • Safety Risk Technology and Applications • New Nuclear Plant Deployment • Environmental Benefits • Low Level Waste and Radiation Exposure Management
RDRE560301	\$260	\$13		PC Biomass Separate Injection	<p>Determine the feasibility, costs, and equipment for separate injection of a pulverized coal (PC) unit with alternate fuels (e.g., biomass, tires, sludges). Determine fuel supply, fuel characteristics, preliminary costs, materials handling equipment, emissions and unit performance impacts, safety/interlocks, and economic feasibility.</p> <p>Separate injection allows a higher alternate fuel percentage into the steam generator above that which can be co-fired through the pulverizers. It also should provide for increased fuel flexibility.</p> <p>Location to be determined.</p>
RDRE570001	\$83,829	\$2,799		2007 Renewable R&D ProgramMgmt	<p>This is used for Renewable Energy Resources Initiative (RERI) pre-project R&D development efforts and to track and manage misc. RERI R&D projects costing less than \$10K. The purpose of this charter is to document the scope, budget, and costs (labor and non-labor) of those projects and efforts included in the Renewable Program Management function. It is also used to track participation at general conferences associated with Renewable Program Management, especially EPRI conferences in the AEP RERI area.</p>
RDRE570101	\$106,961	\$3,569		2007 EPRI Renewabl Annual Port	<p>This project charter supports AEP's renewables involvement with EPRI, namely: PS84.001 Renewable Energy TAG - provides a basic reference for technical and economic assessment of renewable energy generation technologies. PS 84 D Biomass Energy - provides industry reference and contacts for renewable energy generation, most notably biomass co-firing.</p>
RDRE590401	\$44,584	\$2,310		SolarAugmntdSteamCycleCoalPlnt	<p>The objective of this project is to evaluate the technical and economic feasibility of augmenting existing coal steam cycles with steam produced by a solar thermal collector field.</p>

12 Months Ending Sept. 2009				Project Title	Project Description
Work Order	Corporate Total	KY Power Total			
					The money allocated to this project will be used to fund new activities or projects that develop as the year 2006 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2006 budget cycle.
RDTA560001	\$36,514	\$1,171		Trans. R&D Program Mgmt	Expense - Transmission related projects from the EPRI Annual Research Portfolio include: 1) Lightning Performance of Transmission Lines and Transmission Line Surge Arresters - seeks to increase the reliability of new and existing overhead transmission lines by generating engineering tools that address the leading causes of transmission circuit outages; lightning and grounding. 2) Polymer/Composite Insulator Performance - seeks to extend polymer and composite component life expectancy and avoid outages due to premature failure through improved selection, application, and inspection. 3) Underground (UG) Transmission Workstation and Reference Manual - will develop reference information on underground design and maintenance 4) Thermal & Mech. Stresses in Extruded UG Cables - develop information and software tools to help mitigate harmful stresses through proper system design, such as optimal clearance between cable and duct and optimal placement of manholes. Results will apply to 69kV - 345kV cable systems. 5) Live Working Research for T-Equipment - developing new live-line techniques and technologies for the maintenance and refurbishment of energized transmission lines. 6) Switching Safety and Reliability - goal is to learn about the industry's human error prevention programs and employ the learning to reduce relay misoperations caused by human errors.
RDTA560101	\$8,104	\$259		Trans EPRI Annual Research Por	Working with other utilities and vendors to develop a reliable visualization tool that will be used by system dispatchers and operators on the AEP transmission system. The development of this technology, as mandated by FERC & NERC, will allow system operators to respond more rapidly and make better decisions based upon the information that is being feed to the control center. These tools will also provide the system operator a 'look into the future' with trending. Trending will look at the present system conditions and determine that if all things remain the same, then in X number of hours your system will be in a certain condition. This will allow system operators to be 'proactive' instead often 'reactive'
RDTA560801	\$1	\$0		Visual & Decision Support Sys	Develop low cost EMI/GPS tools that will assist the Transmission Business Unit when performing aerial/ground inspections of transmission lines to detect deteriorated line hardware, insulators, conductors, and broken strands. Results will enable reliability based maintenance, improved productivity, etc. Electromagnetic Interference (EMI) has proven to be a valuable tool in problem diagnostics of rotating electrical machinery. Energized transmission line components that are in a failure mode, in corona, contaminated or intermittently shorting to ground (as during tree contact) will emit EMI as well. The EMI/GPS inspection tool is a device that will record EMI magnitude and spectral components as well as the location of the source of that interference for future plotting and analysis. This provides a low cost tool for transmission personnel, as it allows for the automatic collection of EMI data from failing equipment in an efficient manner as part of a routine aerial or drive-by inspection. Plotting of this data gives a visual map showing where the EMI activity is occurring and will assist in trending this activity. As activity increases, follow-up inspections could identify a potential failure before it has time to degenerate to the point of a forced line outage. This would allow for planned mitigation of the imminent fault. This project will continue to gather and analyze EMI data from several T lines to determine the value of EMI/GPS as a diagnostic tool for AEP
RDTA561201	\$35	\$1		Transmission Line EMI Survey	

12 Months Ending Sept. 2009

Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA561401	\$9,992	\$313	High Temp Superconducting Cabl	This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs. The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed.
RDTA561501	\$3,688	\$118	HTS Matrix Fault Current Limit	SuperPower is developing a High Temperature Superconducting Fault Current Limiter for a 138 kV application. Sporn 138 kV station, where 9 breakers are under-rated, has been selected as the likely demonstraion site. If this technology is developed and successfully tested, it will provide an alternative to breaker replacement at Sporn and some other stations, depending on the MFCL cost. In addition, successful demonstraion of this technology will provide a grant step in the application of superconductivity, and it will add to the understanding of the voltage insulation characteristic in liquid nitrogen.
RDTA570001	\$58,361	\$1,925	Transmission RD&D Program Mgmt	The money allocated to this project will be used to fund new activities or projects that develop as the year 2007 progresses. This is to make sure that a lack of R&D funds would not stop valuable R&D activities that were not anticipated at the beginning of the 2007 budget cycle.
RDTA570101	\$533,465	\$17,068	Trans 2007 EPRI Annual Portfol	Integrated Monitoring & Diagnostics (P37.007) - The purpose of this project is to examine techniques for monitoring as many different components in a substation with as few sensors as possible, which is complementary to the projects examining inspection tools for specific components such as transformers or circuit breakers. The target of this project is to optimize applications of the sensors in substation. The concept of station-wide monitoring is to provide the low-cost screening tool that will trigger more detailed inspections at the component level. The unique focus of this project is on inspection tools that cover an entire substation, rather than at an individual component level. Life Extension fo Existing HVDC Systems (P162.001) - This project will address the life extension of HVDC systems in a systematic method. Sharing experience and practices across utilities provides one of the most cost effective ways of ensuring that best-of-class field practices permeate across the global industry. The final goal of the project is to prepare "Life Extension for HVDC System," which is expected to facilitate the proress fo refurbishing of existing HVDC equipment.
RDTA570201	\$31,079	\$1,019	CEA LCMSEA	CEA LCMSEA- CEA Life Cycle Management of Station Equipment and Apparatus Interest Group. This on going interest group is a low overhead collaborative effort focused on member driven station equipment, maintenance, tools, asset management techniques, benchmarking, diagnostics, and life extension. Projects are defined and contract awards made to investigate and deliver solutions, knowledge, tools, evaluation and techniques for defined issues. Projects are usually completed within 1 year.
RDTA570301	\$22,688	\$725	CEA TLAMIG	CEA (Canadian Electricity Assoc.) T Line Asset Management Interest Group ("TLAMIG") is a low overhead collaborative focus on member-driven transmission line maintenance needs and problems. AEP funded 2006 projects in reliability effects of defective line insulators and an asset management approach to tower painting. Several promising projects will be funded in 2007, including the deployment of a transmission line hardware failure reporting database for the detection of trends in line equipment failure modes.

12 Months Ending Sept. 2009
 Work Order Corporate Total

KY Power Total

Project Title

Project Description

Work Order	Corporate Total	KY Power Total	Project Title	Project Description
RDTA570401	\$59,697	\$1,914	PSerc	PSerc (Power Systems Engineering Research Center) is an NSF sponsored university (13)-industry (38 members) consortium. Participation in PSerc provides AEP access to experienced university researchers in leading electric power programs across the U.S., results of collaborative member defined and approved low overhead R&D projects, and access to leading students for both intern and permanent employment positions. Participation in PSerc is a valuable element of a balanced portfolio of AEP internal and external R&D plays
RDTA570501	\$5,783	\$192	IEC61850 Network Mgmt Capabili	Network Management to support Communications to/from Substations using the International Standard IEC 61850. This is related to the EPRI sponsored IEC 61850 Projects. 2005 work includes identification and development of network management requirements for deployment and maintenance of IEC 61850 devices to be applied at AEP substations. 2007 work will focus on developing detailed design documents to address the requirements as part of a pilot project. The project goal is to enable network management technology in substations. The focus in 2007 will be on completion of specifications and the start of a pilot demonstration.
RDTA570601	\$12,744	\$428	IEC 6185 Testing	Communications to/from Substations using the International Standard IEC 61850. This is a continuation of the EPRI sponsored IEC 61850 Testing Project. The current testing procedures require expansion and specification addition. Additional capability to be added to the current testing tools at AEP/Dolan for IEC 61850. Develop, jointly with industry partners, tools and techniques to provide capability for IEC 61850 Interoperability Testing at AEP/Dolan Test Facility. Funding will also help with the development of users guides for the specification of IEC 61850 products in coordination with the UCA International Users Group. Currently AEP/Dolan is setup for the initial phases of conformance testing only. The goal is to develop capability for the industry to be able to test substation devices for conformance with IEC 61850 protocol. Dolan is providing third-party services to the industry by testing IEC 61850 devices.
RDTA570701	\$4,262	\$143	Use of Synchronized Sampling	The purpose of this project is to demonstrate how Intelligent Electronic Device (IED) data can be used to enhance EMS functionality and operator ability to better deal with fault disturbances and other system contingencies, if time-synchronized data sampling is utilized. Advantages of time synchronization of both samples and phases including automatic data collection and processing will be demonstrated in this project as well. The main focus of this project is new field equipment prototype development, software development for new applications, exploration of new services, and study of economic benefits.
RDTA570901	\$89,020	\$2,694	Phasor Tech: Plan & Ops Tools.	1) Develop tools and techniques to analyze data captured by AEP phasor monitoring units (PMUs) and apply the tools and techniques in planning (off-line) and operations (real time) environments. 2) Participate in the Eastern Interconnection Phasor Project (EIPP), which is facilitating development of a phasor data network in the Eastern Interconnection (EI). The vision of EIPP is to improve power system reliability through wide area measurement, monitoring, and control.
RDTA571001	\$13,461	\$376	Pilot Install - GE Process Bus	This project will research and perform background engineering for a pilot installation of a new product featuring GE Multilin's implementation of the IEC 61850 Process Bus concept. The actual equipment installation and commissioning of the pilot is planned for 2008. This product offers significant potential savings in the Total Installed Cost of Protection & Control systems, including design engineering, drafting, and installation labor. Additionally, this product will simplify testing and will potentially reduce the number of inadvertent protection operations due to incorrect protection, isolation, or restoration.

12 Months Ending Sept. 2009		Project Title		Project Description
Work Order	Corporate Total	KY Power Total		
RDTA571101	\$114,959	\$3,446	BPL Use for Data Transportatio	Explore the use of BPL (Broadband Power Line Carrier) technology for data transport to reduce the use of leased lines and associated O&M costs. Build on the knowledge gained from the 2006 BPL SCADA and Protective Relaying R&D project. Project elements likely will include: 1) further characterization of 46kV, 69kV and 138kV transmission lines as BPL communication channels; 2) performance comparison of single phase and multi-phase BPL coupling 3) optimization of Amperion's BPL system for internal utility data transfers to reduce cost and maximize distances between repeaters. 4) analysis of various options for powering BPL repeaters. 5) exploration of the use of BPL as a transmission line diagnostic tool. 6) through Amperion – Dolan Lab development and testing, qualify BPL components and system for 69kV and 138kV applications.
RDTA571301	\$13,827	\$448	Galloping Conductor Mitigation	Identify the possible use of Performed Air Flow Spoilers to limit/mitigate galloping on a selected 345KV span in Indiana. Summary of 2005/2006 Work: In 2005, two models (EHV and non-EHV) of the PLP (Preformed Line Products) Air Flow Spoilers were electrically tested at Dolan Technology Center for corona, audible noise and radio interference performance. Based on the test results, 25 units of non-EHV spoilers were installed on the bottom conductor of one of the double circuit Desoto Sorenson 345 KV circuits. Ground clearance of the conductor was measured and a stationary video camera was installed to record its motion as compared to that of the conductors with no spoilers installed.
RDTA571401	\$626	\$20	High Temp Superconduct Cable	This project has developed a high temperature superconducting, three phase, triax cable and is in the process of demonstrating its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable is currently operating in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs. The cable and support systems will be removed and the station restored after the 1 - 2 year demonstration is completed.
RDTA571501	\$202	\$7	HTS Matrix Fault Current Limi	SuperPower was developing a high temperature superconducting (HTS) fault current limiter for application at an AEP 138 kV station. However, due to aging problems with the superconductor elements, the project was put on hold from mid-2005 to mid-2006. With the viability of the second generation superconductors, the development has restarted. Presently, the Tidd 138 kV station is selected as the likely demonstraion site. If this technology is developed and successfully field-demonstrated, it will provide an alternative to breaker replacement at Tidd and some other stations, depending on the MFCL cost. In addition, successfui demonstraion of this technology will provide a giant step in the application of superconductivity technology and it will add to the understanding of the voltage insulation characteristics of liquid nitrogen.
RDTA571801	\$3,302	\$109	Pwr System Load Modeling, P2	Validate and improve load modeling used in transmission planning and system dynamic studies. This project is a continuation of an earlier EPRI project (Phase I) whose objective is to make use of measured load data captured during system disturbances to improve the accuracy of load modeling.
RDTA580701	\$1,923	\$66	PredictingOutages w/ PMU Data	The purpose of this project is: 1. Detecting and predicting some measure of vulnerability or probability of cascading outages for the current operating condition. 2. Test the predicting cascading outages approach using Utility's load flow data. 3. Prepare the Technical Resources.

12 Months Ending Sept. 2009			Project Description	
Work Order	Corporate Total	KY Power Total	Project Title	
RDTA580801	\$4,922	\$162	InsptnOf 765kV NCIs w/AvianDmg	The objective of this study is to provide field personnel with inspection parameters which can be applied from a patrol helicopter to determine: 1) When a Non-Ceramic Insulator (NCI) with damage to its weather shed can remain in-service and it is reasonable to assume that the insulator will continue to perform its intended service. 2) When an NCI with damage to its weather shed should be removed from service but within a stated extend time frame (for example 2 to 3 years) 3) When an NCI with damage to its weather shed should be removed from service as soon as electrical operations permit but that the insulator will not constitute a reliability risk (for example 6 months) 4) When a NCI with damage to its weather shed should be removed from service ASAP to protect the integrity of the installation.
RDTA580901	\$74,319	\$2,329	Adv.Sensor-765kvSubs-AntnaAray	The overall project objective is to deploy, demonstrate and further research a suite of advanced sensors for AEP 765kV Substations. The objective of this specific charter is to demonstrate application of an Antenna Array Pilot to continuously monitor and detect partial discharge activity throughout an AEP 765kV station. (Prior research has deployed sensors in substations only up to 500kV). The proposed activity generates substantial new learning on Advanced Sensors through the deployment and research of these sensors in a 765 KV substation environment. This new learning will be ultimately incorporated into the appropriate EPRI R&D program (in this case P37). The results are ultimately made available to the public or used for the benefit of the public through the publishing of EPRI reports. There is significant public benefit derived from the new learning and this public benefit relies on the field tests performed in AEP Substations. Note: A trailer is required, which is beyond EPRI's scope.
RDTA581001	\$16,667	\$576	FutureTech-OHD Trans Line Insp	The overall project objective is to deploy, demonstrate and further research a suite of advanced sensors for AEP 765kV transmission line inspections. The objective of this specific charter is to demonstrate application of remote sensor technologies that allow AEP to detect known conditions on the existing AEP 765 kV transmission system to improve operations or to assist in making decisions involving line maintenance issues. Possible examples are: Towers located near water-cooling towers where contamination is resulting in short insulator life. Areas with unexplained line operations. Insulators that flash over with no obvious explanation. Insulator leakage or stray currents. Structures located near active slip areas. This sensor technology may lead to solutions for future transmission line design where AEP will need to push the limits of overhead 765KV transmission line design, such as; compact structure design and two phase operation for some period of time.
RDT5561401	\$876	\$28	High Temp Superconducting Cabl	This project will develop a high temperature superconducting, three phase, triax cable and demonstrate its suitability for a high power substation underground retrofit application. AEP is hosting the demonstration at Columbus' Bixby Substation as part of a \$9M DOE Superconducting Partnership Initiative project. If successful, it will further DOE's objectives to accelerate the introduction of HTS cables into the utility grid. The cable will operate in real life conditions as the primary source to the Bixby 13.2kV bus and distribution feeders supplying electricity to industrial and residential users. Both closed loop pulse tube and open loop cryogenic cooling will be demonstrated. The project will answer user's questions regarding long length application, the triax cable design, cryogenics cooling systems, system reliability and O&M costs. The cable and support systems will be removed and the station restored after the 1-2 year demonstration is completed. Part of work order RDTA561401

12 Months Ending Sept. 2009			Project Title	Project Description
Work Order	Corporate Total	KY Power Total		
RDWM201001	\$37,410	\$1,888	DTC Walnut Maintenance	The Walnut Test Facility is owned by Columbus Southern Power. The facility is used by the corporate Utilities R&D program. As such, the expenses and results of work done at the facility are done for the benefit of multiple operating companies. This project/work order will allow for a mechanism to capture the annual costs of maintaining the facility, future investments, and other related annual expenses - e.g. depreciation of the assets that were transferred in accordance with the dissolution of AEP EmTech, LLC. etc. - and expensing them to the appropriate benefiting locations.
Sum:	\$15,160,180	\$564,194		

Kentucky Power Company

REQUEST

Provide the average number of customers for each customer class (i.e., residential, commercial, and industrial) for the three calendar years preceding the test year, the test year, and for each month of the test year.

RESPONSE

The requested information for each customer class is as follows. Also provided is the requested information for Public Street and Highway Lighting.

<u>Month/Year</u>	<u>Residential</u>	<u>Commercial</u>	<u>Industrial</u>	<u>Public Street & Highway Light</u>
2005	144,513	28,866	1,457	419
2006	144,447	29,283	1,461	380
2007	144,207	29,687	1,436	375
2008	144,105	29,730	1,432	379
Oct. 2008	143,884	29,482	1,451	379
Nov.	144,121	29,453	1,450	373
Dec.	144,407	29,541	1,447	384
Jan. 2009	144,472	29,552	1,449	375
Feb.	144,302	29,485	1,447	376
Mar.	144,126	29,604	1,449	380
Apr.	143,754	29,479	1,444	373
May	143,405	29,460	1,441	372
Jun.	143,404	29,564	1,441	373
Jul.	143,215	29,524	1,432	370
Aug.	143,272	29,559	1,437	369
Sep.	143,258	29,581	1,446	379
TY Average	143,802	29,524	1,445	375

WITNESS: David M Roush

Kentucky Power Company

REQUEST

Provide all current labor contracts and the most recent contracts previously in effect.

RESPONSE

There are nine labor contracts currently in effect for Kentucky Power Company. A copy of each is attached, as follows:

Attachment 1	Agreement between Kentucky Power Company Big Sandy Plant and Local Union 978 effective May 1, 2007 through April 30, 2010
Attachment 2	Agreement between Kentucky Power Company Hazard Bargaining Unit and Local Union 978 effective May 1, 2007 through April 30, 2010
Attachment 3	Agreement between Kentucky Power Company Pikeville Field Revenue Operations Bargaining Unit and Local Union 978 effective May 1, 2007 through April 30, 2010
Attachment 4	Agreement between Kentucky Power Company Ashland Bargaining Unit and Local Union 978 effective May 1, 2007 through April 30, 2010
Attachment 5	Agreement between Kentucky Power Company Big Sandy Plant and Local Union 978 effective February 17, 2009 through February 16, 2012
Attachment 6	Agreement between Kentucky Power Company Hazard District Bargaining Unit and Local Union 978 effective February 17, 2009 through February 16, 2012
Attachment 7	Agreement between Kentucky Power Company Pikeville Field Revenue Operations Bargaining Unit and Local Union 978 effective February 17, 2009 through February 16, 2012
Attachment 8	Agreement between Kentucky Power Company Ashland District Bargaining Unit and Local Union 978 effective February 17, 2009 through February 16, 2012
Attachment 9	Agreement between American Electric Power Kentucky Power Company, et al and International Brotherhood of Electrical Workers Local Union 978 effective February 17, 2009 through February 16, 2012

WITNESS: Errol K Wagner

Kentucky Power Company

REQUEST

Provide a detailed analysis of all benefits provided to the employees of Kentucky Power. For each benefit include:

- a. The number of employees covered at test-year end;
- b. The test-year actual cost;
- c. The amount of test-year actual costs capitalized and expensed; and
- d. The average annual cost per employee.

RESPONSE

- a. The total active KPCo employees as of September 30, 2009 was 523. All employees were covered by each benefit.
- b.& c. Attached on page 2 is the test year actual cost and its allocation to capital and expense.
- d. The average annual cost per employee is \$21,901 ($\$11,454,360/523$).

WITNESS: Ranie K. Wohnhas

KYCo Source Accounts					KYCo 107xxxx Accounts					KYCo Other Balance Sheet Accounts					KYCo Expense Accounts					KYCo Expense Totals									
Month/Year	Type	110	117	180	Totals	Month/Year	Type	110	117	180	Totals	Month/Year	Type	110	117	180	Totals	Month/Year	Type	110	117	180	Totals						
10/2008	Insurance	225,883.06	124,669.92	42,641.95	393,194.93	10/2008	Insurance	82,287.15	13,618.40	24,954.20	120,859.75	10/2008	Insurance	32,453.24	17,061.07	1,890.10	51,404.40	10/2008	Insurance	111,142.67	93,990.46	15,797.65	220,930.78						
11/2008	Insurance	224,592.06	126,547.49	43,627.68	394,767.23	11/2008	Insurance	82,781.50	16,183.98	22,529.38	121,494.86	11/2008	Insurance	32,757.13	16,853.75	1,852.51	51,463.39	11/2008	Insurance	109,053.42	93,509.76	19,245.79	221,808.98						
12/2008	Insurance	221,765.90	124,640.16	42,370.29	388,776.35	12/2008	Insurance	62,771.07	20,189.55	19,298.83	102,259.45	12/2008	Insurance	26,807.12	13,785.11	1,072.22	41,664.45	12/2008	Insurance	132,187.71	90,665.50	21,999.25	244,852.45						
01/2009	Insurance	227,899.84	126,850.36	41,695.61	396,445.81	01/2009	Insurance	95,327.03	6,501.35	19,965.99	123,794.37	01/2009	Insurance	42,335.77	21,824.59	2,909.13	67,069.50	01/2009	Insurance	90,237.04	96,524.42	18,820.49	205,581.95						
02/2009	Insurance	251,534.04	142,549.49	44,119.41	438,202.94	02/2009	Insurance	48,298.01	6,010.73	15,325.70	69,634.45	02/2009	Insurance	27,872.48	17,840.38	3,674.47	49,387.33	02/2009	Insurance	175,363.54	118,698.38	25,119.24	319,181.16						
03/2009	Insurance	195,145.31	113,183.64	34,313.67	342,642.62	03/2009	Insurance	70,872.60	4,196.91	19,258.21	94,327.72	03/2009	Insurance	32,257.07	17,622.17	4,318.84	54,198.08	03/2009	Insurance	92,015.64	91,364.56	10,736.62	194,116.82						
04/2009	Insurance	221,651.68	129,637.20	39,332.36	390,621.24	04/2009	Insurance	69,037.34	3,121.86	15,963.88	88,143.07	04/2009	Insurance	29,715.10	15,816.20	2,558.69	48,089.99	04/2009	Insurance	122,899.24	110,699.14	20,789.79	254,388.18						
05/2009	Insurance	223,855.81	129,807.76	39,350.44	393,014.01	05/2009	Insurance	70,805.73	3,358.09	23,363.14	97,526.96	05/2009	Insurance	31,150.47	16,001.11	985.43	48,137.01	05/2009	Insurance	121,899.61	110,448.56	15,001.87	247,350.04						
06/2009	Insurance	221,563.36	128,311.50	39,370.42	389,245.28	06/2009	Insurance	66,066.80	4,690.10	18,947.86	89,704.76	06/2009	Insurance	29,497.50	15,512.50	1,163.53	46,173.53	06/2009	Insurance	125,999.06	108,108.89	19,259.03	253,368.98						
07/2009	Insurance	305,437.77	176,599.31	54,257.26	536,294.34	07/2009	Insurance	92,650.11	5,284.36	30,548.34	128,482.81	07/2009	Insurance	40,163.65	21,059.02	1,830.28	63,052.96	07/2009	Insurance	172,623.99	150,255.93	21,878.66	344,758.59						
08/2009	Insurance	219,146.97	127,522.59	39,357.45	386,027.01	08/2009	Insurance	62,438.97	3,839.34	15,825.58	82,103.89	08/2009	Insurance	27,587.37	15,412.92	1,547.50	44,547.80	08/2009	Insurance	129,120.63	108,270.32	21,984.37	259,375.32						
09/2009	Insurance	374,628.67	263,197.82	65,084.44	702,911.93	09/2009	Insurance	67,734.44	2,983.56	18,715.97	89,433.97	09/2009	Insurance	29,903.24	14,616.06	1,047.27	45,566.58	09/2009	Insurance	276,991.99	245,598.20	45,321.20	567,911.38						
Total		2,913,105.47	1,713,517.24	525,521.00	5,152,143.71	Total		871,070.76	91,978.22	244,717.08	1,207,766.06	Total		382,500.15	203,404.89	24,849.98	610,755.03	Total		1,659,534.56	1,418,134.13	255,953.94	3,333,622.63						
10/2008	OPEB	82,516.08	38,354.00	12,675.42	133,545.50	10/2008	OPEB	33,726.80	4,335.95	7,312.92	45,375.67	10/2008	OPEB	13,301.52	5,432.06	553.90	19,287.48	10/2008	OPEB	35,487.76	28,585.99	4,808.60	68,892.35						
11/2008	OPEB	82,516.08	38,354.00	12,675.42	133,545.50	11/2008	OPEB	33,232.71	5,264.67	6,863.25	45,360.63	11/2008	OPEB	13,150.38	5,482.54	564.34	19,197.26	11/2008	OPEB	36,132.99	27,606.78	5,247.83	68,987.61						
12/2008	OPEB	82,516.08	38,354.00	12,675.42	133,545.50	12/2008	OPEB	25,193.88	6,567.69	5,879.11	37,640.67	12/2008	OPEB	10,759.34	4,484.32	326.64	15,570.29	12/2008	OPEB	46,565.86	27,302.00	6,468.68	80,334.54						
01/2009	OPEB	176,953.50	86,490.83	24,497.75	287,942.08	01/2009	OPEB	56,506.87	4,453.09	7,518.80	67,478.56	01/2009	OPEB	24,651.20	11,431.93	1,095.20	37,178.34	01/2009	OPEB	96,795.42	70,605.81	15,885.94	183,287.18						
02/2009	OPEB	176,953.50	86,490.83	24,497.75	287,942.08	02/2009	OPEB	28,122.90	3,148.48	5,769.67	37,041.05	02/2009	OPEB	16,225.55	9,344.86	1,383.33	26,957.84	02/2009	OPEB	132,601.06	73,997.39	17,344.75	223,943.20						
03/2009	OPEB	144,403.71	66,910.97	20,847.50	232,162.18	03/2009	OPEB	41,267.59	2,198.38	7,250.15	50,716.12	03/2009	OPEB	18,782.60	9,230.66	1,825.92	29,639.17	03/2009	OPEB	84,353.52	55,481.93	11,971.44	151,806.89						
04/2009	OPEB	160,969.16	77,301.41	22,631.30	260,901.87	04/2009	OPEB	31,640.84	1,225.76	5,716.09	38,582.79	04/2009	OPEB	13,518.92	6,210.05	915.03	20,743.99	04/2009	OPEB	115,709.30	69,865.60	16,000.18	201,575.09						
05/2009	OPEB	166,103.57	79,964.21	23,281.00	269,348.78	05/2009	OPEB	32,441.31	1,318.51	6,355.03	42,114.85	05/2009	OPEB	14,272.32	6,282.64	352.41	20,907.37	05/2009	OPEB	119,389.95	72,363.05	14,574.56	206,326.56						
06/2009	OPEB	166,103.57	79,964.21	23,281.00	269,348.78	06/2009	OPEB	30,261.78	1,841.51	6,775.06	38,879.35	06/2009	OPEB	13,511.28	6,090.80	416.10	20,148.17	06/2009	OPEB	122,330.51	72,031.90	16,088.85	210,451.26						
07/2009	OPEB	166,103.57	79,964.21	23,281.00	269,348.78	07/2009	OPEB	48,543.46	2,324.01	6,775.06	63,283.32	07/2009	OPEB	21,043.50	9,281.56	743.89	31,048.95	07/2009	OPEB	96,516.60	68,378.64	10,121.26	175,016.51						
08/2009	OPEB	166,103.57	79,964.21	23,281.00	269,348.78	08/2009	OPEB	34,681.48	1,802.62	6,857.75	43,341.85	08/2009	OPEB	15,323.30	7,236.57	670.59	23,230.45	08/2009	OPEB	116,098.80	70,925.02	15,752.66	202,776.48						
09/2009	OPEB	166,103.57	79,964.21	23,281.00	269,348.78	09/2009	OPEB	37,628.58	1,400.82	8,110.26	47,139.66	09/2009	OPEB	16,612.18	6,862.41	453.82	23,928.41	09/2009	OPEB	111,862.81	71,700.98	14,716.92	198,276.71						
Total		1,737,345.96	832,077.09	246,905.56	2,816,328.61	Total		432,248.29	35,881.48	88,922.74	556,952.52	Total		191,256.08	87,350.49	9,101.14	287,707.72	Total		1,113,841.59	708,845.11	148,981.68	1,971,668.38						
10/2008	Pension	38,175.92	27,199.33	18,282.08	83,657.33	10/2008	Pension	15,434.25	2,849.61	5,140.07	23,423.92	10/2008	Pension	6,087.11	3,569.98	389.32	10,046.41	10/2008	Pension	16,654.56	20,779.74	12,752.69	50,186.99						
11/2008	Pension	37,830.92	27,034.33	18,182.08	83,047.33	11/2008	Pension	15,179.49	3,410.95	4,802.02	23,392.46	11/2008	Pension	6,006.61	3,552.11	394.85	9,953.57	11/2008	Pension	16,644.81	20,071.28	12,985.21	49,701.30						
12/2008	Pension	38,036.92	27,109.33	18,262.08	83,407.33	12/2008	Pension	11,660.21	4,673.02	3,880.01	20,213.25	12/2008	Pension	4,979.63	3,180.67	215.57	8,385.87	12/2008	Pension	21,396.08	19,245.64	14,166.50	54,808.22						
01/2009	Pension	104,728.33	56,828.67	24,791.00	186,348.00	01/2009	Pension	20,103.64	1,940.87	4,065.12	26,109.63	01/2009	Pension	8,928.25	4,982.58	592.31	14,503.13	01/2009	Pension	75,696.44	49,905.23	20,133.58	145,735.25						
02/2009	Pension	105,002.33	57,021.67	24,936.00	186,960.00	02/2009	Pension	10,924.72	1,268.67	3,110.27	15,303.66	02/2009	Pension	6,304.59	3,765.53	745.72	10,815.83	02/2009	Pension	87,773.03	51,987.47	21,080.01	160,840.51						
03/2009	Pension	103,799.87	50,446.01	28,978.18	183,225.06	03/2009	Pension	12,900.08	817.85	3,463.41	17,181.35	03/2009	Pension	5,871.36	3,434.04	776.70	10,082.11	03/2009	Pension	85,028.42	46,194.11	24,739.07	155,961.60						
04/2009	Pension	104,331.51	54,623.45	26,243.06	185,198.02	04/2009	Pension	12,595.73	572.47	3,134.81	16,303.01	04/2009	Pension	5,421.47	2,900.27	501.82	8,823.56	04/2009	Pension	86,314.31	51,150.71	22,606.43	160,071.45						
05/2009	Pension	105,087.51	54,885.45	26,641.06	186,614.02	05/2009	Pension	13,431.40	619.13	4,536.56	18,587.08	05/2009	Pension	5,909.05	2,950.11	191.35	9,050.50	05/2009	Pension	85,747.07	51,316.21	21,913.16	158,976.43						
06/2009	Pension	105,219.51	54,951.45	26,712.06	186,883.02	06/2009	Pension	12,191.59	893.01	3,737.36	16,821.96	06/2009	Pension	5,443.30	2,953.64	229.50	8,626.44	06/2009	Pension	87,584.62	51,104.79	22,745.20	161,434.61						
07/2009	Pension	104,472.51	54,729.45	26,342.06	185,544.02	07/2009	Pension	18,565.79	1,102.80	6,332.17	26,000.76	07/2009	Pension	8,048.24	4,394														

Kentucky Power Company

REQUEST

Provide complete details of the financial reporting and rate-making treatment of Kentucky Power's pension costs.

RESPONSE

Kentucky Power Company records and reports pension cost in accordance with generally accepted accounting principles per FAS 87. For ratemaking purposes, Kentucky Power Company adjusts its FAS 87 book expense to reflect the latest actuarial report.

WITNESS: Hugh E McCoy

Kentucky Power Company

REQUEST

Provide complete details of Kentucky Power's financial reporting and rate-making treatment of Statement of Financial Accounting Standard ("SFAS") No. 106, including:

- a. The date that Kentucky Power adopted SFAS No. 106;
- b. All accounting entries made at the date of adoption; and
- c. All actuarial studies and other documents used to determine the level of SFAS No. 106 cost recorded by Kentucky Power.

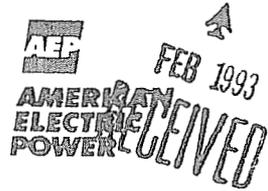
RESPONSE

Kentucky Power Company records and reports postretirement benefits other than pensions in accordance with generally accepted accounting principles per FAS 106. For ratemaking purposes, Kentucky Power Company adjusts its FAS 106 book expense to reflect the latest actuarial report.

- a. Kentucky Power adopted SFAS No. 106 in January 1993.
- b. Please see attached Pages 2 through 9 for the accounting entries.
- c. Please see Exhibit HEM-3C in the testimony of Company witness Hugh McCoy for the latest actuarial study.

WITNESS: Hugh E McCoy

*Copy to:
 Gene
 Loomis*



Date February 4, 1993
 Subject 1993 Postretirement Benefits Expense

From G. S. Campbell/H. E. McCoy
 To E. Bafle - Ft. Wayne
 E. L. Berginnis - Ashland
 T. P. Bowman - Columbus (CSP)
 J. R. Hoffer - Canton
 C. D. Jones - Lancaster
 G. R. Knorr - Columbus
 G. E. Laurey - Roanoke

Beginning in 1993, the AEP System Companies must record postretirement benefits expense on the accrual basis in accordance with FASB Statement (SFAS) No. 106. This letter provides accounting instructions to record postretirement benefits expense based on a valuation performed by our actuary. A separate letter in the future will authorize postretirement benefits Voluntary Employees' Beneficiary Association (VEBA) trust fund contributions, which will be tied to recovery of the accrued expenses through rates.

Postretirement benefits expense accrual adjustment totals to record the incremental SFAS No. 106 cost for 1993 are shown on the attached schedule. One-twelfth (1/12) of the total 1993 SFAS No. 106 accrual adjustment as shown on the attached schedule should be recorded each month, as follows:

Journal Entry No. 1

Account No.	Description	Debit	Credit
<i>JE 130</i> 626.71	Employee Pensions and Benefits - Other Postretirement Benefits	<i>143,783</i> \$ XXX	
242 90	Miscellaneous Current and Accrued Liabilities - <i>OTHER POSTRETIREMENT BENEFITS</i>		<i>143,783</i> \$ XXX

To accrue the incremental cost of postretirement benefits in accordance with SFAS No. 106.

CP - M ADD 143,783

AEP Service Corporation and the coal companies should record other postretirement benefits to their corresponding employee pensions and benefits accounts.

Since accrued postretirement benefits expenses are not currently deductible for federal income tax purposes, a Schedule M addition adjustment should be provided monthly to remove the accrued expense from taxable income. Deferred federal income taxes should be recorded through the Mechanized Tax System, which will result in the following journal entry:

Journal Entry No. 1 - Tax

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
190.1	Accumulated Deferred Income Taxes	\$ XXX	
411.1	Provision for Deferred Income Taxes - Credit, Utility Operating Income		\$ XXX

To defer the FIT related to the accrual of incremental SFAS No. 106 costs.

When contributions to the postretirement benefits VEBA trust fund are made (in accordance with future instructions), the payments should be recorded as follows:

Journal Entry No. 2

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
242	Miscellaneous Current and Accrued Liabilities	\$ XXX	
232	Accounts Payable		\$ XXX

To record contributions to the postretirement benefits VEBA trust fund.

February 4, 1993
Page 3

Contributions to the postretirement benefits VEBA trust fund are not necessarily fully deductible for income tax purposes when the contributions are made, although all SFAS No. 106 expense will become deductible when benefits are paid in the future. The currently deductible portion of VEBA contributions under the Internal Revenue Code is limited because it is calculated with no provision for future medical cost inflation. The currently deductible portion of VEBA contributions as determined by our actuary should be included in taxable income by providing a Schedule M deduction adjustment. Related deferred federal income taxes should be reversed through the Mechanized Tax System, which will result in the following journal entry:

Journal Entry No. 2 - Tax

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
410.1	Provision for Deferred Income Taxes, Utility Operating Income	\$ XXX	
190.1	Accumulated Deferred Income Taxes		\$ XXX

To reverse the SFAS No. 106 accrual deferred FIT to the extent that the accrual is currently deductible upon its contribution to the VEBA trust.

Total SFAS No. 106 cost is comprised of the accrual adjustment in Journal Entry No. 1 above plus retiree pay-as-you-go costs which are recorded along with the cost of life insurance and medical benefits for current employees in Accounts 626.43 and 626.44 as those benefits are paid. Accordingly, the cost of pay-as-you-go life insurance and medical benefits for retirees should be reclassified to SFAS No. 106 costs monthly in the amount of one-twelfth (1/12) of the annual numbers as shown on the attached schedule, as follows:

February 4, 1993
 Page 4

Journal Entry No. 3

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
JE 130 626.71	Employee Pensions and Benefits - Other Postretirement Benefits	56,485 \$ XXX	
626.43	Employee Pensions and Benefits - Group Life Insurance		12,354 \$ XXX
626.44	Employee Pensions and Benefits - Group Medical Insurance		44,131 XXX
	To reclassify the retiree portion of pay-as-you-go group life insurance and medical benefits to SFAS No. 106 costs.		

Until rate levels are adjusted to include SFAS No. 106 costs, some of the operating companies will defer for future recovery in certain jurisdictions the SFAS No. 106 increase in cost recorded in Journal Entry No. 1 above (but not Journal Entry No. 3). However, amounts which are currently billable through unit power agreements or other special contracts should be billed rather than deferred. Monthly deferrals of the SFAS No. 106 accrual adjustment recorded in Journal Entry No. 1 should be recorded for the jurisdictions indicated on the attached schedule, as follows:

Journal Entry No. 4

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
186	Miscellaneous Deferred Debits - Other Postretirement Benefits	\$ XXX	
626.71	Employee Pensions and Benefits - Other Postretirement Benefits		\$ XXX
	To defer the jurisdictional portion of the incremental cost of SFAS No. 106 postretirement benefits for future recovery.		

February 4, 1993
 Page 5

A Schedule M deduction adjustment should be provided monthly to remove the above deferral from taxable income. Related deferred federal income taxes should be recorded through the Mechanized Tax System, which will result in the following journal entry:

Journal Entry No. 4 - Tax

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
410.1	Provision for Deferred Income Taxes, Utility Operating Income	\$ XXX	
283.1	Accumulated Deferred Income Taxes - Other		\$ XXX
To record deferred FIT on SFAS No. 106 costs which have been deferred for future recovery.			

Once rate recovery begins, the incremental postretirement benefits cost deferred as a regulatory asset in Journal Entry No. 4 should be amortized commensurate with ratemaking treatment, as follows:

Journal Entry No. 5

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
626.71	Employee Pensions and Benefits - Other Postretirement Benefits	\$ XXX	
186	Miscellaneous Deferred Debits - Other Postretirement Benefits		\$ XXX
To amortize the deferred incremental cost of SFAS No. 106 postretirement benefits commensurate with rate recovery.			

In order to remove the amortization from current taxable income, a Schedule M addition adjustment should be provided. Related deferred income taxes should be reversed through the Mechanized Tax System, which will result in the following journal entry:



February 4, 1993
Page 6

Journal Entry No. 5 - Tax

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
283.1	Accumulated Deferred Income Taxes - Other	\$ XXX	
411.1	Provision for Deferred Income Taxes - Credit, Utility Operating Income		\$ XXX
	To amortize deferred FIT related to the amortization of deferred SFAS No. 106 costs.		

JE130

709-6000 16%
709-8000 3%

62672 16%
62673 3%
62674 -

The SFAS No. 106 cost recorded in Account 626.71 should be payroll loaded so that a portion of the cost will be capitalized as a component of construction cost. Payroll loading should be accomplished through manual adjustment until the programming to handle this automatically is complete.

Please contact us if you should have any questions.

H. E. McCoy

G. S. Campbell/H. E. McCoy

GSC:HEM:ca
Attachment

cc: L. V. Assante
G. C. Dean
P. J. DeMaria
B. G. Lynn
W. L. Scott
J. H. Shepard, Jr.
Deloitte & Touche

rc: H. W. Fayne
G. P. Maloney
R. A. Mueller
A. P. Varley

c:\hem\hem005.93

AEP System
 Postretirement Benefits Expense
 1993

Addressee	Company	SFAS 106 Accrual Adjustment	Plus Pay-As-You-Go Costs			Total SFAS 106 Cost	Jurisdictions to Record Deferral
			Medical	Life Insur.	Subtotal		
Journal Entry No.:		JE #1	JE #3	JE #3		JE #4	
E. L. Berginnis	Kentucky Power Co.	1,725,400	529,570	148,249	677,819	2,403,219	FERC
		<i>212</i>	<i>+12</i>	<i>÷12</i>	<i>÷12</i>		<i>N/A</i>
		<i>148,783</i>	<i>44,131</i>	<i>12,354</i>	<i>56,485</i>		

Kentucky Power Company

REQUEST

Provide complete details of Kentucky Power's financial reporting and rate-making treatment of SFAS No. 112, including:

- a. The date that Kentucky Power adopted SFAS No. 112;
- b. All accounting entries made at the date of adoption; and
- c. All actuarial studies and other documents used to determine the level of SFAS No. 112 cost recorded by Kentucky Power.

RESPONSE

Kentucky Power Company records and reports post employment benefits in accordance with generally accepted accounting principles per FAS 112. The ratemaking for post employment benefits follows the book accounting.

- a. Kentucky Power adopted SFAS No. 112 in March 1994.
- b. Please see attached Pages 2 through 8 for the accounting entries.
- c. Please see attached Pages 9 through 26 the latest actuarial study.

WITNESS: Hugh E McCoy

AMERICAN
ELECTRIC
POWER

MAR 1994
RECEIVED

Date March 24, 1994

Subject Adoption of Statement of Financial
Accounting Standard (SFAS) No. 112,
"Employers' Accounting for Postemployment Benefits"

From G. S. Campbell/L. L. Dieck

To E. Bafile - Ft. Wayne C. D. Jones - Lancaster
E. L. Berginnis - Ashland G. E. Laurey - Roanoke
T. P. Bowman - Columbus (CSP)

I. Background and Purpose

SFAS No. 112, which was effective January 1, 1994, adopts accrual accounting for postemployment, preretirement benefits. Previously, many companies recognized the expense for post-employment, preretirement benefits as the benefits were paid (the pay-as-you-go method). Postemployment, preretirement benefits include disability-related benefits, continuation of health care benefits and life insurance, supplemental unemployment benefits, severance benefits and other salary continuation plans.

The AEP Companies follow accrual accounting for many postemployment, preretirement benefits (i.e., workers' compensation and severance pay). However, a liability is not currently reflected on the books for the following uninsured postemployment, preretirement benefits provided to AEP employees:

Long-Term Disability (LTD) Plan for Non-United Mine Workers of America (UMWA) Plans -

● Medical, and basic and supplemental life insurance continuation

UMWA Plans -

- Layoff Benefits:
 Medical and basic life insurance continuation
- Sickness & Accident Benefits:
 Income replacement
 Medical and basic life insurance continuation
- Disabled Pensioner Benefits:
 Medical insurance continuation before age 55

The purpose of this memorandum is to set forth the accounting instructions for adopting the new standard for the AEP System's regulated and non-regulated operations and to confirm the entries recorded in February 1993 business by Appalachian Power Company (APCo) and Ohio Power Company (OPCo) related to the SFAS No. 112 liability for their inactive coal subsidiaries. Indiana Michigan Power Company (I&M) does not have an SFAS No. 112 liability for its inactive coal subsidiary.

II. Accounting Implications

In general, SFAS No. 112 requires that the obligation for postemployment, preretirement benefits be recognized in accordance with SFAS No. 43, "Accounting for Compensated Absences" if four conditions are met: (1) the obligation is attributable to employees' service already rendered; (2) employees' rights to those benefits vest or accumulate; (3) payment of the benefit is probable; and (4) the amount can be reasonably estimated. SFAS No. 43 requires that the obligation be recognized over the service life of the employees. If the above four conditions of SFAS No. 43 are not met, the employer would account for these benefits when it is probable that a liability has been incurred and the amount can be reasonably estimated in accordance with SFAS No. 5, "Accounting for Contingencies." SFAS No. 112 permits discounting of the postemployment, preretirement benefit liabilities provided the payment period is determinable.

The benefits provided by AEP as listed above do not meet the criteria of SFAS No. 43. Accordingly, at the time of adoption of SFAS No. 112, a liability equivalent to the net present value of the estimated payments to be made to those individuals currently receiving benefits under the above listed plans must be recorded. We have engaged Towers Perrin to prepare the actuarial valuations of the liabilities under the previously listed benefit plans. For all such costs applicable to regulated operations, we will record the previously unrecognized SFAS No. 112 liability and a corresponding regulatory asset pursuant to the provisions of SFAS No. 71, "Accounting for the Effects of Certain Types of Regulation" (SFAS No. 71), since we expect to recover these actual payments from customers over time through the ratemaking process. In addition, we will continue to recognize the expense on the pay-as-you go basis, i.e., the recorded liability and regulatory asset will only be adjusted when a new actuarial valuation is prepared by Towers Perrin (see discussion below regarding the timing of subsequent studies).

Recordation of a regulatory asset is appropriate because the AEP Operating Companies have been on the pay-as-you-go method for both financial reporting and ratemaking purposes and have consistently recovered the pay-as-you-go expenses in rates. In addition, we do not expect to encounter the same problems we had with recording regulatory assets for SFAS No. 106, "Postemployment Benefits Other Than Pensions." The SFAS No. 106 liabilities are long-term in nature and continue to grow, absent special measures such as COLI programs, whereas the SFAS No. 112 liability will remain relatively constant and

is generally short-term in nature. In addition, the total amounts involved in the accounting for SFAS No. 112 liabilities clearly are much less significant than the amounts involved with OPEBs. Paragraphs 48 and 49 in Appendix B of SFAS No. 71 address the accounting for compensated absences under SFAS No. 43, "Accounting for Compensated Absences" and since SFAS No. 112 is an extension of the requirements of SFAS No. 43, these paragraphs apply to SFAS No. 112 items and thereby provide further support for the recordation of a regulatory asset.

The inactive coal companies currently have some disabled employees who are receiving benefits under the plans listed above. Since these companies are inactive and no longer regulated entities there is no basis to establish a regulatory asset. Therefore, the inactive coal companies will expense the liability and bill their parent companies, APCo and OPCo, for the liability in the monthly shut-down billing. APCo and OPCo will expense the shut-down billing in the month billed. Subsequent payments for these benefits will first reduce the liability and any benefit payments in excess of the liability will be expensed when incurred.

Since we are recording a regulatory asset in most cases, and the inactive coal subsidiaries' SFAS No. 112 liability is not significant, we will engage Towers Perrin to recalculate the liability on an annual basis only. We will then inform you of any adjustments to your recorded liabilities.

III. Journal Entries

- ✓ A. All Companies Excluding the Inactive Coal Companies - The following journal entry should be recorded in March 1994 business for all companies except the inactive coal subsidiaries. The amounts to be recorded are included on the attached schedule for your company(ies).

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
182.3	Other Regulatory Assets	\$ XXX	
228.4	Accumulated Miscellaneous Operating Provisions		\$ XXX

To record the liability and related regulatory asset for the previously unrecorded liability under SFAS No. 112.

Note: Since the Service Corporation and the Coal Companies have not yet received permission from the Securities and Exchange Commission to use Account 182.3, they should charge Account 186, Miscellaneous Deferred Debits.

Note: The standard billing procedures should be followed where appropriate for the liability for I&M River Transportation Division, Ohio Power - Cardinal, Ohio Power - Cook, Ohio Power - Kammer and Ohio Power - Tidd.

Since the regulated companies will continue to recognize expense on the pay-as-you-go basis and the SFAS No. 112 accruals are not deductible for tax purposes until paid there are no deferred federal income tax entries required.

B. Entries Recorded and to Be Recorded by APCo and OPCo Related to Their Inactive Coal Subsidiaries - The following journal entry was recorded in February 1994 business by APCo and OPCo (APCo - \$1,333,000 and OPCo - \$731,000) to reflect one-half of the SFAS No. 112 liability of the inactive coal subsidiaries:

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
426.5	Other Deductions	\$ XXX	
253	Other Deferred Credits		\$ XXX

To record a provision for one-half of the liability of the inactive coal subsidiaries for the previously unrecorded liability under SFAS No. 112.

The following reversing journal entry should be recorded in March 1994 business by APCo and OPCo as the inactive coal subsidiaries will record the entire liability and bill the respective companies in March:

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
253	Other Deferred Credits	\$ XXX	
426.5	Other Deductions		\$ XXX

To reverse the provision recorded in February 1994 for one-half of the liability of the inactive coal subsidiaries for the previously unrecorded liability under SFAS No. 112, since the entire liability was billed by the inactive coal company subsidiaries in March 1994, and appropriately expensed below-the-line.

The tax treatment of the above two entries is the same as the book treatment due to the short reversal period. Accordingly, no deferred federal income tax entries were provided.

- C. **Journal Entries to Be Recorded by the Inactive Coal Subsidiaries**
The inactive coal companies should record the following entry in **March 1994** business. The amounts to be recorded are set forth on Attachment A.

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
425.99	Miscellaneous Nonoperating Expense	\$ XXX	
242	Miscellaneous Current and Accrued Liabilities		\$ XXX
253	Other Deferred Credits		XXX

To record the liability for the previously unrecorded liability under SFAS No. 112.

For tax purposes, the SFAS No. 112 expense is not deductible until paid. Accordingly, there is a Schedule M addback for which deferred federal income taxes should be provided at the statutory rate of 35%. The following deferred federal income tax entry will be recorded through the mechanized tax system:

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
190.2	Accumulated Deferred Federal Income Taxes	\$ XXX	
411.2	Provision for Deferred Federal Income Taxes - Credit		\$ XXX

To record deferred federal income taxes associated with the SFAS No. 112 liability which is not deductible for tax purposes until paid.

When the benefits are actually paid, there will be a Schedule M deduction and the appropriate amount of deferred federal income taxes should be reversed or fed back at the statutory rate of 35%. The following feedback of the deferred federal income tax will be recorded through the mechanized tax system.

March 24, 1994
Page 6

<u>Account No.</u>	<u>Description</u>	<u>Debit</u>	<u>Credit</u>
410.2	Provision for Deferred Federal Income Taxes	\$ XXX	
190.2	Accumulated Deferred Federal Income Taxes		\$ XXX

To reverse the deferred federal income taxes associated with the SFAS No. 112 liability as the actual benefits are paid.

If you have any questions please contact the undersigned.



G. S. Campbell/L. L. Dieck

GSC:LLD:ca

Attachment

- cc: M. S. Ackerman - Lancaster
L. V. Assante
G. C. Dean
H. W. Fayne
G. P. Maloney
R. A. Mueller
R. H. Strahan/R. D. Shock
A. P. Varley
Deloitte & Touche

*American Electric Power
Postemployment Benefit Plans*

SFAS No. 112 Actuarial Information

As of December 31, 2008

April 2009

This report is confidential and intended solely for the information and benefit of the immediate recipient thereof. It may not be distributed to a third party unless expressly allowed under the "Actuarial Certification, Reliances and Distribution" Section herein.

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<i>Management Summary of Valuation Results</i>	<i>MS</i>
<i>Supplemental Information</i>	<i>SI</i>
<i>Miscellaneous — Location Analysis</i>	<i>ML</i>



Management Summary of Valuation Results

FAS 112 Results..... *MS-1*

Changes in Liabilities from Prior Year..... *MS-2*



FAS 112 Results

FAS 112 results for selected benefits as of December 31, 2008¹, and December 31, 2007, are as follows:

	<u>As of December 31, 2008</u>		<u>As of December 31, 2007</u>	
	<u>Number of Participants</u>	<u>Unfunded Liabilities²</u>	<u>Number of Participants</u>	<u>Unfunded Liabilities²</u>
Non-UMWA Plans				
Health Care and Life Insurance Continuation for Long-Term Disability Claimants (ML-1)	726	\$91,520,212	739	\$91,481,626
LTD Income Replacement (ML-2)	668	1,966,522	666	(2,146,887)
COBRA (ML-3)	137	<u>249,083</u>	156	<u>288,854</u>
Total		\$93,735,817		\$89,623,592
UMWA Plans				
Disabled Pensioner Health Care Benefits (ML-4)	4	<u>200,163</u>	4	<u>247,745</u>
All Plans Total (ML-5)		\$93,935,980		\$89,871,339

¹ Allocations to individual AEP system companies of the liabilities in this schedule are presented in the ML section.

² No liabilities included for claims incurred but not reported. All liabilities are determined under FAS 5.

Changes in Liabilities from Prior Year

In total, our calculations of FAS 112 unfunded liabilities as of December 31, 2008, for the postemployment benefits that Towers Perrin values increased to \$93.9 million, an increase of \$4.0 million from the December 31, 2007, unfunded liability of \$89.9 million. The changes in liabilities are analyzed below for each benefit.

Summary of Unfunded Liability Increase/(Decrease)

Non-UMWA

Health Care and Life Insurance Continuation for LTD Claimants	\$ 0.0 million
LTD Income Replacement	4.1 million
COBRA	(0.0) million

UMWA Plans

Disabled Pensioner Health Care	<u>(0.1) million</u>
--------------------------------	----------------------

Total	\$ 4.0 million
-------	----------------

Health Care and Life Insurance Continuation for LTD Claimants – Non-UMWA

The liability estimate for these benefits remained at \$91.5 million. This constant liability results from the following factors:

Normal operation of plan (expected increase)	\$ 2.2 million
Medical and dental claims experience	(6.3) million
Change in economic assumptions (discount rate)	7.8 million
Demographic experience (claim terminations, approvals)	<u>(3.7) million</u>
Total	\$ 0.0 million

The discount rate has decreased from 3.90% to 2.00% and is determined based on a duration matching approach using a risk-free bond universe.

LTD Income Replacement — Non-UMWA

Historically, AEP East LTD benefits were fully funded and, therefore, not included with the FAS 112 valuation. However, increases in disability costs during 1998 through 2000 were not matched by increases in plan funding, which contributed to the emergence of significant unfunded liabilities. In addition, AEP West LTD benefits have historically been funded at much lower levels, so the unfunded liabilities for West companies have always been included with past FAS 112 valuations.

However, since 2001, AEP's LTD costs have been reduced, in part due to increased disability management efforts. As a disability funding surplus began to emerge, AEP reduced employer contributions to the LTD trust, resulting in a \$2.0 million unfunded liability. Liabilities for claims incurred but not approved (IBNA) or administration expenses are not considered in calculating funded status.

Because East companies have funded much more of their LTD costs than West companies prior to 2001, no assets have been allocated to claimants classified as "CSW." (These claimants are people from West locations disabled prior to 2001.)

Assets held in the LTD trust have been allocated in proportion to December 31, 2008, LTD liabilities for claimants that Aetna classified as "AEP."

AEP reduced funding over 2008 from \$0.55/\$100 over the first six months to \$0.20/\$100 over the final six months, which led to a decrease of \$3.2 million in assets held in the LTD trust. This reduction in plan assets, combined with a \$0.9 million increase in plan liability, results in a \$4.1 million increase in unfunded liability for the LTD income replacement benefit.

COBRA — Non-UMWA

The liabilities as of December 31, 2008, associated with COBRA continuation coverage for medical and dental benefits have been included for all AEP companies (East and West). Liabilities were calculated for participants and assigned to the company that they last worked for.

The liabilities were determined assuming that COBRA beneficiaries would incur claims costs equal to 146% of the per capita claims costs for active employees. A reduction in total number of COBRA participants accounts for the modest decrease in this liability.

Health Care Continuation for Disabled Pensioners — UMWA Employees

There was a 19% decrease in the liability estimate for disabled pensioner health care continuation, which is primarily attributable to a change in the makeup of this disabled population.

Supplemental Information

Actuarial Assumptions and Methods *SI-1*

Summary of Plan Provisions *SI-5*

Actuarial Assumptions and Methods

Economic Assumptions

Discount rate	2.00%	
Health care cost trend rate	<i>Year</i>	<i>Rate</i>
	2009	6.50%
	2010	6.00%
	2011	5.50%
	2012+	5.00%

Health Care Benefit Assumptions

Non-UMWA Plans

Average annual 2009 per capita medical claims cost for disabled employees and their dependents	<i>Age</i>	<i>Employee or Spouse</i>	
		<i>Aetna</i>	<i>Lumenos</i>
	≤50	\$4,622	\$4,418
	50-54	5,326	5,090
	55-59	6,347	6,066
	60-64	8,085	7,727
	65-69	3,436	2,657
	70-74	3,712	2,848
	75-79	3,848	2,932

The employee costs shown above are increased by the following factors, based on duration of disability:

<i>Years Disabled</i>	<i>Employee Medical Cost Multiplier</i>
≤3	8.0
3-6	5.0
>6	2.0

Eighty percent of employees disabled more than 30 months are assumed to be approved for Medicare. Including the savings generated by Medicare Part D, the onset of Medicare benefits reduces the cost of benefits by 84%.

For employees covering children under the medical plan, \$3,719 is added to 2009 medical costs until the employee turns age 55.

SI-2

Average annual 2009 per capita dental claims cost for disabled employees and their dependents	Employee only	\$277
	Employee plus spouse	529
	Employee plus child(ren)	846*
	Full family	1,098*

*Children's portion of cost goes to zero at employee's age 55

Administration expenses Included in costs shown above.

COBRA morbidity COBRA participants are assumed to incur average per capita claims costs equal to 146% of costs that active participants incur.

UMWA Plans

Average annual 2009 medical cost per employee and per dependent unit

▶ Disabled pensioners	Age	Employee	Dependent Unit
	Disabled prior to 1993		
	<40	\$8,157	\$8,157
	40-44	9,369	9,369
	45-49	10,019	10,019
	50-54	11,110	11,110
	55-59	N/A	12,926
	60-64	N/A	15,793
	Disabled 1993 or later		
	<40	\$ 7,831	\$7,831
	40-44	8,994	8,994
	45-49	9,618	9,618
	50-54	10,666	10,666
	55-59	N/A	12,409
	60-64	N/A	15,161

▶ Administration expenses \$429 per contract in 2009, increasing 3.5% per year.

Employee contributions None.

Demographic Assumptions

Mortality for non-UMWA plans:

- ▶ Healthy participants Version of RP-2000 Mortality Table with updated projections.
- ▶ Disabled participants Underlying mortality in the 1987 CGDT rates.

Mortality for UMWA Plans:

- ▶ All participants Blended table developed by averaging 1977 to 1981 UMWA funds' experience rates and Unisex Pension 1984 Mortality table, with ages set back one year to reflect anticipated future mortality improvements (an approximation of the proprietary table developed by the UMWA plan actuary). The tables were adjusted to reflect mortality improvements (approximately 3% at each age).

Long-term disability continuation 1987 CGDT — termination rates adjusted by the following factors:

<i>Years of Disability</i>	<i>Percentage of Termination Rates</i>
<1	200%
1-2	150%
2+	100%

In addition to these factors, termination rates at all ages are reduced 5%, reflecting the recommended industry adjustment to the 1987 table.

COBRA continuation termination rates

<i>Months</i>	<i>Probability of Terminating COBRA Coverage at End of Month</i>	
	<i>18-Month Maximum</i>	<i>29- or 36-Month Maximum</i>
1	.17	.05
2	.12	.05
3	.07	.04
4-6	.05	.03
7-12	.04	.03
13	.03	.03
14-24	.03	.02
25-35	N/A	.01
36	N/A	1.00
Average Duration	10.19 months	22.61 months

SI-4

Actuarial Methods

Applicable accounting standards

All benefits valued have been valued under FAS 5.

Postemployment benefit liability

FAS 5 liabilities is equal to the actuarial present value of future benefit payments to current benefit recipients, with no reserve for incurred but unreported claims.

Development of health care benefit claims cost

Cost per participant is based on age-related retired participant costs for AEP non-UMWA and UMWA plans, adjusted to reflect higher anticipated health care costs for disabled individuals.

Benefits Not Valued

Claims incurred but not recorded (IBNR) have not been valued in the FAS 112 liability for any benefits.

Data Sources

The company furnished data on current benefit recipients (including employees and eligible dependents) and paid claims. Data were reviewed for reasonableness and consistency, but no audit was performed. We are aware of no errors or omissions in the data that would have a significant effect on the results of these calculations.

Summary of Plan Provisions

Non-UMWA Plans

Long-Term Disability

Eligibility	Total disability following elimination period of 26 weeks.
Benefits	<p>Following 26 weeks of total disability, benefits are payable. Benefit payments continue until the first to occur of the following:</p> <ul style="list-style-type: none">(i) The participant ceases to be totally disabled, or(ii) He reaches age 65 or if he becomes disabled after age 60, benefits can extend beyond age 65. <p>Monthly benefits equal 60% of base monthly salary reduced by:</p> <ul style="list-style-type: none">(a) Initial Social Security benefit (primary portion only for pre-2001 West disabilities)(b) Workers' Compensation benefit(c) Jones Act(d) General Maritime Law(e) Settlements(f) Other plans.

Health Care Continuation to LTD Claimants

Eligibility	Participants are eligible for health care continuation upon approval for LTD benefits. Dependents of disabled employees are also eligible. Benefits continue until LTD benefits cease due to death, recovery or retirement.
Benefits	Eligible participants receive continued coverage under AEP's active employee medical and dental plans. Disabled participants who are eligible for Medicare have medical benefits provided secondary to Medicare.
Contributions	None.

SI-6

**Life Insurance
Continuation to LTD
Claimants**

Eligibility	Participants are eligible for life insurance continuation upon approval for LTD benefits.
Benefits	Eligible participants receive continued coverage under the active employee life insurance plans. Basic and supplemental amounts in force prior to approval for LTD benefits are continued. Dependent life is also continued.
Contributions	None.

COBRA

When employees terminate they are offered medical coverage for 18 months at COBRA rates (102% of average active/pre-65 retiree medical costs). Because antiselection occurs, the average cost for participants who elect COBRA coverage is typically more than the COBRA rates they pay to enroll for coverage. Surviving spouses may continue coverage at COBRA rates for up to 36 months.

UMWA Plans

Health Care Continuation

Eligibility	Employees who become permanently and totally disabled are eligible for lifetime health care continuation for themselves and their dependents. For valuation purposes, disabled employees are deemed to be retirees after reaching age 55. Benefits provided after employee-age 55 are valued under FAS 106.
Benefits	Eligible participants receive continued coverage under the UMWA health care plan.
Contributions	None.

American Electric Power
 Health Care and Life Insurance for Employees on Long-Term Disability
 Liabilities as of December 31, 2008

Code	Location	Number Disabled	Medical Benefits		Basic Life Insurance		Supplemental Life Insurance		Dental Benefits		All Benefits	
			12/31/2008 Liability	2009 Projected Benefit Payments	12/31/2008 Liability	2009 Projected Benefit Payments	12/31/2008 Liability	2009 Projected Benefit Payments	12/31/2008 Liability	2009 Projected Benefit Payments	12/31/2008 Liability	2009 Projected Benefit Payments
185	AEP Energy Services, Inc.	3	\$289,046	\$29,932	\$66,037	\$9,404	\$94,070	\$14,224	\$14,708	\$1,309	\$463,861	\$54,869
292	AEP River Operations LLC	7	650,109	136,297	84,739	12,051	29,494	4,029	32,317	1,976	796,659	154,353
103	AEP Service Corporation	90	8,821,072	1,786,895	1,914,921	349,940	1,186,485	236,782	390,632	41,945	12,313,110	2,415,562
211	AEP Texas Central Co - Distribution	43	3,851,052	856,894	991,356	217,081	788,607	165,269	155,314	22,429	5,786,329	1,261,673
169	AEP Texas Central Co - Transmission	4	329,488	138,517	83,798	34,676	63,868	23,071	4,839	1,509	481,993	197,773
119	AEP Texas North Co - Distribution	15	1,203,111	205,269	301,944	59,764	86,823	25,476	53,166	6,769	1,645,044	297,278
166	AEP Texas North Co - Generation	5	345,583	52,444	86,080	14,462	76,846	8,025	21,069	2,666	529,578	77,597
192	AEP Texas North Co - Transmission	2	25,754	13,308	6,491	3,386	0	0	1,023	547	33,268	17,241
140	Appalachian Power Co - Distribution	84	8,220,360	1,708,201	1,278,603	269,076	1,336,428	274,859	362,255	43,948	11,197,646	2,296,084
215	Appalachian Power Co - Generation	88	7,945,404	1,815,213	1,268,953	282,580	1,266,450	280,885	321,625	45,349	10,802,432	2,424,027
150	Appalachian Power Co - Transmission	15	1,672,275	168,810	334,725	38,080	332,355	38,960	95,734	9,090	2,435,089	254,940
104	Cardinal Operating Company	13	1,065,813	195,101	158,864	32,154	115,642	24,204	49,663	6,909	1,389,982	258,368
220	Columbus Southern Power Co - Distribution	21	2,050,487	465,243	367,428	79,548	339,742	65,607	84,076	9,646	2,841,733	620,044
144	Columbus Southern Power Co - Generation	19	1,988,582	431,691	406,832	94,122	425,210	94,525	84,637	9,997	2,905,261	630,335
130	Columbus Southern Power Co - Transmission	1	0	0	1,478	1,483	0	0	61	61	1,539	1,544
293	Elmwood	6	645,235	193,549	81,806	26,106	89,752	27,193	21,049	3,333	837,842	250,181
170	Indiana Michigan Power Co - Distribution	14	1,041,837	230,423	187,446	37,756	121,490	33,119	40,492	5,935	1,391,265	307,233
132	Indiana Michigan Power Co - Generation	12	1,223,990	161,552	204,336	31,480	81,645	9,682	66,961	6,889	1,576,932	209,603
190	Indiana Michigan Power Co - Nuclear	11	881,146	204,287	246,844	52,547	262,898	53,283	34,554	5,843	1,425,442	315,960
120	Indiana Michigan Power Co - Transmission	6	612,264	191,804	105,813	27,845	69,524	21,874	22,830	3,070	810,431	244,593
110	Kentucky Power Co - Distribution	25	2,295,621	280,595	268,187	41,539	286,192	45,576	126,735	14,614	2,976,735	382,324
117	Kentucky Power Co - Generation	23	2,588,811	415,716	345,108	58,982	260,901	44,509	112,385	12,592	3,307,205	531,799
180	Kentucky Power Co - Transmission	2	237,226	44,072	57,772	8,308	48,495	7,014	9,388	1,030	352,881	60,424
230	Kingsport Power Co - Distribution	5	339,240	127,039	66,311	16,994	23,205	3,763	9,704	1,782	438,460	149,578
260	Kingsport Power Co - Transmission	1	68,823	10,365	16,512	2,986	0	0	3,017	521	88,352	13,872
250	Ohio Power Co - Distribution	37	3,506,713	781,805	532,189	130,014	396,723	105,960	147,504	18,572	4,583,129	1,036,351
181	Ohio Power Co - Generation	62	5,319,942	999,163	854,339	165,337	719,476	128,645	225,900	31,710	7,119,657	1,324,855
160	Ohio Power Co - Transmission	9	816,896	164,644	176,108	28,056	97,997	13,310	32,464	4,409	1,123,465	210,419
167	Public Service Co of Oklahoma - Distribution	24	1,800,753	476,719	445,196	122,514	277,312	77,170	63,884	11,073	2,587,145	687,476
198	Public Service Co of Oklahoma - Generation	10	800,802	210,878	191,138	42,037	138,474	39,936	31,040	5,475	1,161,454	298,326
114	Public Service Co of Oklahoma - Transmission	2	222,100	19,120	22,573	4,073	11,758	2,315	9,856	1,046	266,287	26,554
159	Southwestern Electric Power Co - Distribution	12	878,494	216,770	241,904	59,897	232,304	55,916	36,381	5,059	1,389,083	337,642
168	Southwestern Electric Power Co - Generation	17	1,287,107	213,618	367,679	68,909	410,808	54,119	61,362	8,092	2,126,956	344,738
161	Southwestern Electric Power Co - Texas - Distribution	7	652,368	124,487	181,065	29,065	25,227	6,787	31,872	3,745	890,532	164,084
194	Southwestern Electric Power Co - Transmission	2	143,735	46,268	42,926	12,173	71,126	19,101	3,940	747	261,727	78,289
280	Water Transportation (Lakin)	24	2,061,873	375,955	297,880	44,167	257,585	45,795	113,563	11,254	2,730,901	477,171
210	Wheeling Power Co - Distribution	5	<u>297,607</u>	<u>80,775</u>	<u>84,400</u>	<u>22,776</u>	<u>59,477</u>	<u>15,347</u>	<u>9,323</u>	<u>1,822</u>	<u>450,807</u>	<u>120,720</u>
		726	\$66,180,719	\$13,573,419	\$12,369,781	\$2,531,368	\$10,084,389	\$2,066,330	\$2,885,323	\$362,763	\$91,520,212	\$18,533,880

American Electric Power
 Long-Term Disability Income Replacement Benefits
 Liabilities as of December 31, 2008

ML-2

Code	Location	Number Disabled	12/31/2008 Liability	Total LTD Assets as of 12/31/2008	12/31/2008 Unfunded Liability	Expected Benefit Payments
185	AEP Energy Services, Inc.	3	\$377,454	\$394,773	(\$17,319)	\$48,616
292	AEP River Operations LLC	7	\$293,080	\$306,528	(\$13,448)	\$30,004
103	AEP Service Corporation	93	7,470,673	6,304,345	1,166,328	1,075,518
211	AEP Texas Central Co - Distribution	41	2,734,112	1,878,635	855,477	510,350
169	AEP Texas Central Co - Transmission	3	120,861	126,407	(5,546)	40,277
119	AEP Texas North Co - Distribution	12	405,595	286,652	118,943	105,109
166	AEP Texas North Co - Generation	5	185,852	94,124	91,728	40,319
192	AEP Texas North Co - Transmission	2	19,427	0	19,427	10,127
140	Appalachian Power Co - Distribution	66	4,248,786	4,443,736	(194,950)	619,888
215	Appalachian Power Co - Generation	79	4,713,662	4,929,943	(216,281)	816,502
150	Appalachian Power Co - Transmission	14	1,264,981	1,323,023	(58,042)	142,743
104	Cardinal Operating Company	12	710,963	743,585	(32,622)	129,091
220	Columbus Southern Power Co - Distribution	19	1,191,336	1,245,999	(54,663)	241,507
144	Columbus Southern Power Co - Generation	20	1,519,010	1,588,708	(69,698)	221,179
130	Columbus Southern Power Co - Transmission	1	14,856	15,538	(682)	11,444
290	Conesville Coal Preparation Company	1	51,390	53,748	(2,358)	3,252
171	CSW Eergy, Inc.	1	10,609	11,096	(487)	7,640
293	Elmwood	5	115,777	121,089	(5,312)	18,273
170	Indiana Michigan Power Co - Distribution	12	456,008	476,931	(20,923)	104,537
132	Indiana Michigan Power Co - Generation	11	826,113	864,018	(37,905)	104,022
190	Indiana Michigan Power Co - Nuclear	11	1,111,115	1,162,097	(50,982)	198,994
120	Indiana Michigan Power Co - Transmission	5	421,560	440,903	(19,343)	84,934
110	Kentucky Power Co - Distribution	19	1,317,776	1,378,241	(60,465)	178,595
117	Kentucky Power Co - Generation	19	1,187,449	1,241,934	(54,485)	187,187
180	Kentucky Power Co - Transmission	2	154,235	161,312	(7,077)	4,769
230	Kingsport Power Co - Distribution	4	242,557	253,686	(11,129)	30,585
260	Kingsport Power Co - Transmission	1	55,709	58,265	(2,556)	10,921
250	Ohio Power Co - Distribution	34	1,925,177	2,013,511	(88,334)	318,991
181	Ohio Power Co - Generation	56	4,401,268	4,603,215	(201,947)	793,459
160	Ohio Power Co - Transmission	12	913,460	949,115	(35,655)	112,458
167	Public Service Co of Oklahoma - Distribution	23	1,282,823	941,218	341,605	274,047
198	Public Service Co of Oklahoma - Generation	7	395,561	225,714	169,847	61,650
114	Public Service Co of Oklahoma - Transmission	2	30,116	0	30,116	2,737
159	Southwestern Electric Power Co - Distribution	11	722,331	635,279	87,052	102,539
168	Southwestern Electric Power Co - Generation	17	864,833	691,636	173,197	167,860
161	Southwestern Electric Power Co - Texas - Distribution	6	376,797	142,146	234,651	54,065
194	Southwestern Electric Power Co - Transmission	3	64,684	40,144	24,540	13,897
280	Water Transportation (Lakin)	24	1,491,833	1,560,284	(68,451)	195,734
210	Wheeling Power Co - Distribution	5	342,796	358,525	(15,729)	71,832
	Total	668	\$44,032,625	\$42,066,103	\$1,966,522	\$7,145,652

**American Electric Power
 Liabilities for COBRA Continuation of Medical and Dental Coverage
 Former Non-UMWA Employees**

ML-3

Code	Location	Number of Participants	12/31/2008 Liability	Expected 2009 Benefit Disbursements
292	AEP River Operations LLC	5	6,165	6,165
103	AEP Service Corporation	68	118,557	87,106
211	AEP Texas Central Co - Distribution	2	1,058	917
119	AEP Texas North Co - Distribution	5	11,672	8,775
140	Appalachian Power Co - Distribution	10	25,016	19,471
220	Columbus Southern Power Co - Distribution	6	8,874	5,833
190	Indiana Michigan Power Co - Nuclear	11	22,158	17,327
117	Kentucky Power Co - Generation	2	4,310	3,416
181	Ohio Power Co - Generation	14	22,077	14,619
167	Public Service Co of Oklahoma - Distribution	5	6,080	4,570
159	Southwestern Electric Power Co - Distribution	7	18,235	10,751
280	Water Transportation (Lakin)	<u>2</u>	<u>4,879</u>	<u>3,535</u>
	Total	137	\$249,083	\$182,487

American Electric Power
Preretirement Health Care Benefit Continuation for Disabled UMWA Pensioners
Liabilities as of December 31, 2008

ML-4

Code	Location	Number Disabled	12/31/2008 Liability	Expected 2009 Benefit Payments
225	Cedar Coal Co.	<u>4</u>	<u>\$200,163</u>	<u>\$71,884</u>
	Total	4	\$200,163	\$71,884

American Electric Power
 Benefits Summary by Location
 Unfunded Liabilities as of December 31, 2008

ML-5

Code	Location	Health Care and Life Insurance	UMWA	LTD	Non-UMWA COBRA	Total Benefits
185	AEP Energy Services, Inc.	\$463,861	\$0	(\$17,319)	\$0	\$446,542
292	AEP River Operations LLC	796,659	0	(13,448)	6,165	789,377
103	AEP Service Corporation	12,313,110	0	1,166,328	118,557	13,597,995
211	AEP Texas Central Co - Distribution	5,786,329	0	855,477	1,058	6,642,864
169	AEP Texas Central Co - Transmission	481,993	0	(5,546)	0	476,447
119	AEP Texas North Co - Distribution	1,645,044	0	118,943	11,672	1,775,660
166	AEP Texas North Co - Generation	529,578	0	91,728	0	621,306
192	AEP Texas North Co - Transmission	33,268	0	19,427	0	52,695
140	Appalachian Power Co - Distribution	11,197,646	0	(194,950)	25,016	11,027,711
215	Appalachian Power Co - Generation	10,802,432	0	(216,281)	0	10,586,151
150	Appalachian Power Co - Transmission	2,435,089	0	(58,042)	0	2,377,047
104	Cardinal Operating Company	1,389,982	0	(32,822)	0	1,357,360
225	Cedar Coal Co	0	200,163	0	0	200,163
220	Columbus Southern Power Co - Distribution	2,841,733	0	(54,663)	8,874	2,795,944
144	Columbus Southern Power Co - Generation	2,905,261	0	(69,698)	0	2,835,563
130	Columbus Southern Power Co - Transmission	1,539	0	(682)	0	857
290	Conesville Coal Preparation Company	0	0	(2,358)	0	(2,358)
171	CSW Energy, Inc.	0	0	(487)	0	(487)
293	Elmwood	837,842	0	(5,312)	0	832,530
170	Indiana Michigan Power Co - Distribution	1,391,265	0	(20,923)	0	1,370,342
132	Indiana Michigan Power Co - Generation	1,576,932	0	(37,905)	0	1,539,027
190	Indiana Michigan Power Co - Nuclear	1,425,442	0	(50,982)	22,158	1,396,617
120	Indiana Michigan Power Co - Transmission	810,431	0	(19,343)	0	791,088
110	Kentucky Power Co - Distribution	2,976,735	0	(60,465)	0	2,916,270
117	Kentucky Power Co - Generation	3,307,205	0	(54,485)	4,310	3,257,031
180	Kentucky Power Co - Transmission	352,881	0	(7,077)	0	345,804
230	Kingsport Power Co - Distribution	438,460	0	(11,129)	0	427,331
260	Kingsport Power Co - Transmission	88,352	0	(2,556)	0	85,796
250	Ohio Power Co - Distribution	4,583,129	0	(88,334)	0	4,494,795
181	Ohio Power Co - Generation	7,119,657	0	(201,947)	22,077	6,939,788
160	Ohio Power Co - Transmission	1,123,465	0	(35,655)	0	1,087,810
167	Public Service Co of Oklahoma - Distribution	2,587,145	0	341,605	6,080	2,934,830
198	Public Service Co of Oklahoma - Generation	1,161,454	0	169,847	0	1,331,301
114	Public Service Co of Oklahoma - Transmission	266,287	0	30,116	0	296,403
159	Southwestern Electric Power Co - Distribution	1,389,083	0	87,052	18,235	1,494,370
168	Southwestern Electric Power Co - Generation	2,126,956	0	173,197	0	2,300,153
161	Southwestern Electric Power Co - Texas - Distribution	890,532	0	234,651	0	1,125,183
194	Southwestern Electric Power Co - Transmission	261,727	0	24,540	0	286,267
280	Water Transportation (Lakin)	2,730,901	0	(68,451)	4,879	2,667,329
210	Wheeling Power Co - Distribution	450,807	0	(15,729)	0	435,078
	Total	\$91,520,212	\$200,163	\$1,966,522	\$249,083	\$93,935,980

Key Assumptions as of December 31, 2008:

Discount rate	2.00%
Initial health care trend in 2009	6.50%
Ultimate health care trend	5.00%
Years to ultimate	3
Expected mortality (healthy)	2009 IRS Applicable Mortality Table
2009 per capita claims cost assumptions	
All other demographic assumptions match those in the 2008 valuation	

Kentucky Power Company

REQUEST

Provide complete details of Kentucky Power's financial reporting and rate-making treatment of SFAS No. 143, including:

- a. The date that Kentucky Power adopted SFAS No. 143.
- b. All accounting entries made at the date of adoption.
- c. All studies and other documents used to determine the level of SFAS No. 143 cost recorded by Kentucky Power; and
- d. A schedule comparing the depreciation rates utilized by Kentucky Power prior to and after the adoption of SFAS No. 143. The schedule should identify the assets corresponding to the affected depreciation rates.

RESPONSE

- a. Please refer to the Company's December 23, 2009 Application filing, Volume 5, pages 44 and 45 of the testimony of Witness Errol K. Wagner.
- b. Kentucky Power made no accounting entries related to the adoption of SFAS No. 143 since they were not required to recognize any legal asset retirement obligations under the provisions of SFAS No. 143. As it relates to FIN 47, the requested accounting entries are attached. These entries relate to the Company's implementation of the Financial Accounting Standards Board (FASB) Interpretation 47 (FIN 47) in the fourth quarter of 2005, which interpreted the application of SFAS 143 to clarify the term "conditional asset retirement obligation." It also clarified when an entity is deemed to have sufficient information to reasonably estimate the fair value of an asset retirement obligation (ARO).
- c. As it relates to SFAS 143, this question does not apply. See answer to b), above. The requested document, as it relates to the Big Sandy Asbestos ARO under FIN 47, is attached.
- d. Kentucky Power's depreciation rates did not change as a result of implementing SFAS No. 143 or FIN 47 and therefore the requested schedule is not available.

WITNESS: Errol K Wagner

Unit	Account	Date	Journal ID	Sum Amount	Notes
117	1010001	2005-12-01	OAJARO1709	\$468,402.69	Original asset and liability (U1 = \$227,175.98; U2 = \$241,226.71)
117	2300001	2005-12-01	OAJARO1709	(\$468,402.69)	
117	1080001	2005-12-01	OAJARO6680	(\$166,058.45)	} Accretion adjustment made upon adoption
117	1080013	2005-12-01	OAJARO6680	\$881,987.61	
117	2300001	2005-12-01	OAJARO6680	(\$722,048.21)	
117	4111005	2005-12-01	OAJARO6680	\$6,119.05	December 2005 Accretion
117	1080013	2005-12-31	OAJAROASBT	\$6,119.05	Reclass of December 2005 accretion to 1080013
117	4111005	2005-12-31	OAJAROASBT	(\$6,119.05)	

Estimated Removal & Disposal Price per Cubic Yard=	\$1,200
--	---------

Business Unit	Plant	Unit	Size	In Service Date	Estimated Settlement Date	Percent Asbestos Remaining	Cubic yards	Dollars for Removal & Disposal
Kentucky	Big Sandy	BS-1	260	1963	2030	60	1054.56	\$1,265,472
Kentucky	Big Sandy	BS-2	800	1969	2036	25	1352	\$1,622,400

Kentucky Power Company

REQUEST

Provide the following information concerning the costs for the preparation of this case:

- a. A detailed schedule of expenses incurred to date for the following categories:
 - (1) Accounting;
 - (2) Engineering;
 - (3) Legal;
 - (4) Consultants; and
 - (5) Other Expenses (identify separately).

For each category, the schedule should include the date of each transaction, check number or other document reference, the vendor, the hours worked, the rates per hour, amount, a description of the services performed, and the account number in which the expenditure was recorded. Provide copies of any invoices, contracts, or other documentation that support charges incurred in the preparation of this rate case. Indicate any costs incurred for this case that occurred during the test year.

- b. An itemized estimate of the total cost to be incurred for this case. Expenses should be broken down into the same categories as identified in (a) above, with an estimate of the hours to be worked and the rates per hour. Include a detailed explanation of how the estimate was determined, along with all supporting workpapers and calculations.
- c. During the course of this proceeding, provide monthly updates of the actual costs incurred, in the manner requested in (a) above. Updates will be due the last business day of each month, through the month of the public hearing.

RESPONSE

a, b & c. Please refer to the attached pages as of December 31, 2009.

WITNESS: Errol K Wagner

Kentucky Power Company
Case No. 2009-00459
As of December 31, 2009

Ln No (1)	<u>Description</u>	<u>Hours</u>	<u>Hourly Rate</u>	<u>As Filed Estimate</u>	<u>Actual as of 31-Dec-09</u>
1	Accounting:				
2	Engineering:				
3	Legal:	1,000	\$275	\$275,000	\$56,223
4	Consultants:				
5	Demolition Study			\$5,000	\$5,000
6	Tree Inventory			\$75,000	\$73,950
7	Cost of Equity			\$15,000	\$9,725
8	Publication Notices			\$175,000	
9	Ky Press Association				
10	Customer Mailed Notices				
11	KPCo Miscellaneous Out of Pocket Costs			\$16,000	
12	Office Max				\$3,050
13	Car Rental				\$95
14	UPS				\$108
15	Total			<u>\$561,000</u>	<u>\$148,152</u>

Kentucky Power Company
Case No. 2009-00459
As of December 31, 2009

Ln No (1)	Vendor (2)	Date (3)	Purchase or Check Number (4)	Voucher ID (5)	Vendor ID (6)	Invoice No.	Amount (7)	Description (8)
1	Brandenburg Industrial Services Company	10/30/2009	3000025740	79702	201456	67859A	\$5,000	Update Demolition Study
2	Sub-Total						<u>\$5,000.00</u>	
3	Financial Concepts Applic.	11/17/2009	3000026099	167964	191902	1836	\$1,300	Cost of Equity
4	Financial Concepts Applic.	12/28/2009	3000027012	169522	191902	1836	\$6,775	Cost of Equity
5	Financial Concepts Applic.					1836	\$1,650	Cost of Equity
6	Sub-Total						<u>\$9,725</u>	
7	Advanced Applications	12/14/2009	3000027122	169041	5100590601	278066	\$11,092.50	Tree Inventory
8	Advanced Applications	12/14/2009	3000027122	169041	5100590601	278066	\$62,857.50	
9	Sub-Total						<u>\$73,950</u>	
10	Stites & Harbison	11/13/2009	3000244191	1255201	6872	793493	\$945.00	Legal
11	Stites & Harbison	12/18/2009	3000247687	1268351	6872	800138	\$9,223.50	Legal
12	Stites & Harbison				6872	809225	\$46,054.68	Legal
13	Sub-Total						<u>\$56,223.18</u>	
14	Office Max	Various	Credit Card				\$3,050.21	Office Supplies
15	UPS	Various	Credit Card				\$108.41	Shipping
16	Car Rental	12/28/2009	Credit Card				\$55	Transportation cost
17	Associated gas	12/28/2009	Credit Card				\$39.80	Transportation cost
18	Total						<u>\$148,152</u>	

Oct. 22. 2009 2:50PM

Brandenburg Industrial Service Company
2625 South Loomis Street
Chicago, Illinois 60608-5414
Phone +1 (312) 326-5800
Fax +1 (312) 326-5055

Brandenburg 

www.Brandenburg.com

Page 1 of 1

INVOICE

American Electric Power Service Corp.
1 Riverside Plaza
Columbus, OH 43215-0000

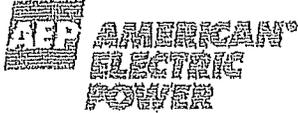
Invoice Number 67659
Invoice Date 10/14/2009
Contract Number 43575

Purchase Order 238680X117
Progress Estimate Number 1
Progress Estimate Description Budget Invoice
Project Code MASALES

No	Specification	C.O.	Quantity	UM	Price	Amount	Retention	Net Amount
1	Budget for demolition of Big Sandy Plant		5,000.0000	LS	\$1.0000			\$5,000.00

Invoice Amount \$5,000.00
Retention Amount \$0.00
Adjustments \$0.00
Paid Amount \$5,000.00
Amount Due

Effective May 4, 2009, Remit payments to:
Brandenburg Industrial Service Company
501 West Lake Street, Suite 104
Elmhurst, IL 60120-1419



Accounts Payable Coding Form

Created by Louis A. Matustik on 10/28/2009

Approver Signature: John R. Huneck Date: 10/28/09

Description: Conceptual cost estimate update for Kentucky Power Company Big Sandy Plant demolition.

Classified By: Louis A. Matustik
 Approver Name: Huneck, John R

Phone: 200-1728
 Phone: 200-1752

AP Business Unit: 117
 Zip Code: 43215

Vendor:] BRANDENBURG INDUSTRIAL SERVICE COMPANY [R]

Contract Number: 238680X117
 Purchase Order: n/a
 Invoice Id: 67859

Amount 5,000.00
 Sum of Lines 5,000.00
 Difference 0.00

Forward Check to: Brandenburg Industrial Service Company 501 West Lake Street, Suite 104 Elmhurst, IL 60126-1419

>>> SPEEDCHART: 0910280468 <<<

	Amnt	Sl	PC BU	Project	Workorder	Account	Dept	CC	Act	Sub	Stat	Prod	Att
1	5000.00	110	LEGAL	EON018181	UTKYRC0901	5000000	11783	270	280	-	-	-	-

FINANCIAL CONCEPTS AND APPLICATIONS, INC.
3907 RED RIVER
AUSTIN, TEXAS 78751

(512) 458-4644

fincap@texas.net
Fax (512) 458-4768

October 31, 2009

Mr. Errol K. Wagner
Director of Regulatory Services
Kentucky Power
Post Office Box 5190
Frankfurt, Kentucky 40602

DUE ON RECEIPT

Reference No.: 01836
Taxpayer ID No.: 74-2058652

Consulting Services:

Research, Analysis, and Testimony
Preparation in Connection with Rate
of Return for Kentucky Power before
the Kentucky Public Service Commis-
sion. (For the Period through October
31, 2009).

Professional Time:

William E. Avera		
2 hours	\$	800
Adrien M. McKenzie		
4 hours		500

Total

\$ 1,300



Bruce H. Fairchild

FINANCIAL CONCEPTS AND APPLICATIONS, INC.
3907 RED RIVER
AUSTIN, TEXAS 78751

(512) 458-4644

fincap@texas.net
Fax (512) 458-4768

November 30, 2009

DEC 10 2009

Mr. Errol K. Wagner
Director of Regulatory Services
Kentucky Power
Post Office Box 5190
Frankfurt, Kentucky 40602

DUE ON RECEIPT

Reference No.: 01836
Taxpayer ID No.: 74-2058652

Consulting Services:

Research, Analysis, and Testimony
Preparation in Connection with Rate
of Return for Kentucky Power before
the Kentucky Public Service Commis-
sion. (For the Period November 1,
2009 through November 30, 2009).

Professional Time:

William E. Avera		
1 hour	\$	400
Adrien M. McKenzie		
25½ hours		6,375

Total

\$ 6,775


Bruce H. Fairchild

FINANCIAL CONCEPTS AND APPLICATIONS, INC.
3907 RED RIVER
AUSTIN, TEXAS 78751

(512) 458-4644

fincap@texas.net
Fax (512) 458-4768

December 31, 2009

Mr. Errol K. Wagner
Director of Regulatory Services
Kentucky Power
Post Office Box 5190
Frankfurt, Kentucky 40602

DUE ON RECEIPT

Reference No.: 01836
Taxpayer ID No.: 74-2058652

Consulting Services:

Research, Analysis, and Testimony
Preparation in Connection with Rate
of Return for Kentucky Power before
the Kentucky Public Service Commis-
sion. (For the Period December 1,
2009 through December 31, 2009).

Professional Time:

William E. Avera		
1 hour	\$	400
Adrien M. McKenzie		
5 hours		1,250

Total

\$ 1,650


Bruce A. Fairchild

INVOICE



Advanced Applicators, Inc.
 7545 Haygood Road
 Shreveport, LA 71107
 318-222-0099

Invoice Number: 278066

Bill To:
 KYPCO - Kentucky Power Co
 Attn: Mark Jackson
 3249 North Mayo Trail
 Pikeville, KY 41501

Ship To:
 KYPCO - Kentucky Power Co

Invoice Date	Ship Via	F.O.B.	Net Due Date	Terms Due Date	Salesperson
12/21/2009			12/12/09	12/12/09	1450
Our Order Number	Terms Description	Purchase Order Number			
	Net 10				
Item Description					Amount
Inventory Project:					73,950.00 USD
				<i>Subtotal:</i>	73,950.00 USD
				INVOICE TOTAL:	73,950.00 USD

STITES & HARBISON PLLC

ATTORNEYS

421 WEST MAIN STREET
P. O. BOX 634
FRANKFORT, KY 40602-0634
(502) 223-3477
FAX (502) 223-4124
www.stites.com

NOVEMBER 6, 2009

KENTUCKY POWER COMPANY
MR. ERROL K. WAGNER
PO BOX 5190
FRANKFORT, KY 40602-5190

2009 RATE CASE

INVOICE NO. 793493

KE057-KB221

TAX ID: 61-0680249

MRO

TERMS: PAYABLE UPON RECEIPT

PROFESSIONAL SERVICES, for the period ended OCTOBER 31, 2009

Fees for legal services rendered in connection with the above captioned matter through OCTOBER 31, 2009 and as reflected by the attached summary	\$945.00
Additional Services	<u>\$0.00</u>
<i>Subtotal</i>	\$945.00
Prior Balance	\$0.00
TOTAL BALANCE DUE	\$945.00

STITES & HARBISON PLLC

ATTORNEYS

421 WEST MAIN STREET
P. O. BOX 634
FRANKFORT, KY 40602-0634
(502) 223-3477
FAX (502) 223-4124
www.stites.com

DECEMBER 8, 2009

KENTUCKY POWER COMPANY
MR. ERROL K. WAGNER
PO BOX 5190
FRANKFORT, KY 40602-5190

2009 RATE CASE
AEP LAW PACK MATTER: AEP0020620

INVOICE NO. 800138

KE057-KE221

TAX ID: 61-0680249

MRO

TERMS: PAYABLE UPON RECEIPT

PROFESSIONAL SERVICES, for the period ended NOVEMBER 30, 2009

Fees for legal services rendered in connection with the above captioned matter through NOVEMBER 30, 2009 and as reflected by the attached summary	\$9,223.50
Additional Services	<u>\$0.00</u>
<i>Subtotal</i>	\$9,223.50
Prior Balance	\$0.00
TOTAL BALANCE DUE	\$9,223.50

STITES & HARBISON PLLC

ATTORNEYS

421 WEST MAIN STREET
P. O. BOX 634
FRANKFORT, KY 40602-0634
(502) 223-3477
FAX (502) 223-4124
www.stites.com

JANUARY 15, 2010

KENTUCKY POWER COMPANY
MR. ERROL K. WAGNER
PO BOX 5190
FRANKFORT, KY 40602-5190

2009 RATE CASE
AEP LAW PACK MATTER: AEP0020620

INVOICE NO. 809225

KE057-KE221

TAX ID: 61-0680249

MRO

TERMS: PAYABLE UPON RECEIPT

PROFESSIONAL SERVICES, for the period ended DECEMBER 31, 2009

Fees for legal services rendered in connection with the above captioned matter through DECEMBER 31, 2009 and as reflected by the attached summary	\$46,043.00
Additional Services	<u>\$11.68</u>
<i>Subtotal</i>	\$46,054.68
Prior Balance	\$0.00
TOTAL BALANCE DUE	\$46,054.68

Kentucky Power Company - PSC Case No. 2009-00459

Summary of Legal Fees and Expenses
Stites & Harbison, PLLC

<u>Ln</u> <u>No</u> (1)	<u>Thru</u> <u>Date</u> (2)	<u>Timekeeper</u> (3)	<u>Rate</u> (4)	<u>Hours</u> (5)	<u>Fee</u> (6)	<u>Expenses</u> (7)	<u>Grand</u> <u>Total</u> (8)
1	10/31/2009	M R Overstreet	\$270.00	3.5	\$945.00	\$0.00	\$945.00
2	11/30/2009	B F Clark	\$345.00	10.3	\$3,553.50	\$0.00	\$3,553.50
3	11/30/209	M R Overstreet	\$270.00	21	\$5,670.00	\$0.00	\$5,670.00
4	12/31/2009	B F Clark	\$345.00	66.6	\$22,977.00	\$11.68	\$22,988.68
5	12/31/2009	M R Overstreet	\$270.00	82.1	\$22,167.00	\$0.00	\$22,167.00
6	12/31/2009	R B Crittenden	\$175.00	5	\$875.00	\$0.00	\$875.00
7	12/31/2009	P J Tipton	\$60.00	0.4	\$24.00	\$0.00	\$24.00
Sub-Total							<u><u>\$56,223.18</u></u>

13:00:57 OfficeMax

KPSC Case No. 2009-00459-11009
Commission Staff First Set Data Requests
Order Dated December 23, 2009
Item No. 55
Page 14 of 29

Fax Order Confirmation



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1331 BOLTONFIELD STREET
COLUMBUS OH 43228

Judy Rosquist,
Questions or concerns about your order?
Send to customersupport@officemax.com or call us at 800-532-6473.

Shipped to: AMERICAN ELECTRIC POWER Judy Rosquist 101A ENTERPRISE DR FRANKFORT, KY 40601-8585 Acct: # 0256021FRANK	Sold to: AMERICAN ELECTRIC POWER ATTN ACCOUNTS RECEIVABLE PO BOX 24400 CANTON, OH 44701-4400
--	--

Contact: JUDY ROSQUIST Contact #: 502.696.7011	Invoice # 38456623	PO # 97532410	Order Date 11.05.09
---	-----------------------	------------------	------------------------

CC # 11011783 Release # J. Rosquist
Desc: Regulatory Services-KY

Description	Product Code	Qty	Unit	Unit Price	Total
RIBN,TYPW,TWN-SP,BK/RD Calculator Ribbon REQ PROD #S2BR80C Original item is no longer available. Original item has been replaced with an item of equal or greater value Deliver within 1 to 2 business days.	S211209	6	EA	.77	4.62
OMX #1 NON SKID PAP CLIPS 10 Non Skid #1 Deliver within 1 to 2 business days.	H4OM99148	1	PK	2.15	2.15
OMX JUM NON,SKDPAP, TOPK Non Skid Jumbo Deliver within 1 to 2 business days.	H4OM99146	1	PK	5.82	5.82
* PROTECTOR,CD,20CAP,10/PK CD Binder Sheets ALTSRC=U35 4PK	S795304	4	PK	18.42	73.68

Rate case

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1306.00
268.00
65.30
8.00
6.48
201.00
347.04
97.95
201.00
48.36
405.00
22.40
3050.21

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COLUMBUS OH 43228

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Shipped to: AMERICAN ELECTRIC POWER
Judy Rosquist -
101A ENTERPRISE DR
FRANKFORT, KY 40601
Acct: # 0256021FRANK

Sold to:
AMERICAN ELECTRIC POWER
ATTN ACCOUNTS RECEIVABLE
PO BOX 24400
CANTON, OH 44701-4400

Contact: JUDY ROSQUIST
Contact #: 502.696.7011

Invoice #
39027552

PO #
98252966

Order Date
11.30.09

CC # 11011783

Release # J. Rosquist

Desc: Regulatory Services-KY

Description	Product Code	Qty	Unit	Unit Price	Total
CLIC ERASER REFIL 4 PK Clic Eraser Refill Deliver within 1 to 2 business days.	N6ZERBP4-K6	4	PK	1.89	7.56
LEAD,REFIL,HB,,5MM,12/TB #1 Polymer Lead 0.5 Deliver within 1 to 2 business days.	N4C525-HB	12	TB	.64	7.68
* LCKG D-RING VIEW BINDER 3"WHT 3" View Binders Deliver within 1 to 2 business days.	L2OM96213	200	EA	6.53	1306.00 ✓

* Rate Case

	Cost Center
total ordered	1321.24
total shipped	1321.24

total ordered 1321.24

Total Shipped

pre-tax malse total	1321.24
total	1321.24

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Payment terms: MASTER CARD / VISA



COLUMBUS OH 43228

Invoice

Customer Service
 Call us with any questions at
 1-877-969-6629

SHIPPED TO: FRANK
 AMERICAN ELECTRIC POWER
 101A ENTERPRISE DR
 FRANKFORT KY 40601

PAGE NO. ORIGINAL
 1 OF 1
 INVOICE # 261712
 INVOICE DATE 12/10/09
 PURCHASE ORDER 98567838
 ACCOUNT # 256021
 BILL TO # BILCAN

AMERICAN ELECTRIC POWER 29
 ATTN ACCOUNTS RECEIVABLE
 PO BOX 24400
 CANTON OH 44701-4400

Visit Our Web Site
 at
 www.officemaxsolutions.com

Loc	Order Date	Ship Date	Ordered By	Shipped Via	Shipping Terms - FOB	Federal I.D.
29	12/08/09	12/10/09	J ROSQUIST	LEX UKL	PREPAID	B2-0100960

Detail

Qty.	Unit	Product Code	Description	Price Per Unit	Amount
* 80	RM	P1 3R2047	PHONE#(502)696-7011 COST CENTER 11011783 DESCRIPTION Regulatory Services-KY PAPER, 8.5X11 WE 4200 DP 8 1/2 x 11 4200 Multi Purp	J. Rosquist 3.35 & RM	268.00 ✓
4	BX	H4 OM97414	CLIPS, BINDER BK LG 12/BX 2" Binder clips	6.22 BX	24.88
				C.G. MDSE TOT	292.88
				SALES TAX	17.57
				SUB TOTAL	310.45
				MDSE AMOUNT	292.88
				SALES TAX	17.57
				S & H CHARGED	8.78
				S & H ALLOWED	8.78
				TOTAL INVOICE	310.45
				AMT PAID VIA CREDIT CARD	310.45-
				TOTAL DUE	.00

* Rate case



Remittance

SOLD TO:
 AMERICAN ELECTRIC POWER
 ATTN ACCOUNTS RECEIVABLE
 PO BOX 24400
 CANTON OH 44701-4400

Send Payment To:
 OfficeMax Incorporated
 P.O. BOX 101705
 ATLANTA GA 30392-1705

ACCOUNT # 256021 BILCAN
 INVOICE # 261712
 INVOICE DATE 12/10/09
 PAYMENT TERMS PAID BY CREDIT
 INVOICE AMOUNT 0.00

Fax Order Confirmation



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 you need to do your best work.
 Please see below for your order details.



OfficeMax

Shipped From:
 1331 BOLTONFIELD STREET
 COLUMBUS OH 43228

Judy Rosquist,
 Questions or concerns about your order?
 Send to customersupport@officemax.com or call us at (877)969-OMAX.

Shipped to: AMERICAN ELECTRIC POWER Judy Rosquist 101A ENTERPRISE DR FRANKFORT, KY 40601 Acct: # 0256021FRANK	Sold to: AMERICAN ELECTRIC POWER ATTN ACCOUNTS RECEIVABLE PO BOX 24400 CANTON, OH 44701-4400
---	--

Contact: JUDY ROSQUIST Contact #: 502.696.7011	Invoice # 39586863	PO # 98980113	Order Date 12.21.09
---	-----------------------	------------------	------------------------

CC # 11011783 Release # J. Rosquist
 Desc Regulatory Services-KY

Description	Product Code	Qty	Unit	Unit Price	Total
* LCKG D-RING VIEW BINDER 3"WHIT Lckg D-ring View Binder Deliver within 1 to 2 business days.	L2OM96213	25	EA	6.53	163.25
* PPR,BRITES,65#CVR 11"AA Card stock-Aqua Deliver within 1 to 2 business days.	PTMP-2651-AA	1	PK	8.00	8.00 ✓
PPR,PASTEL,65#CVR 11"GN Card stock - Green Deliver within 1 to 2 business days.	PTMP-2651-GN	1	PK	5.69	5.69
PPR,BRITES65#CVR 11"TE Card stock-Tangerine Deliver within 1 to 2 business days.	PTMP-2651-TE	1	PK	8.00	8.00

used 10 binders 65.30 ✓

* Roto Case

Cost Center
 total ordered 184.94
 total shipped 184.94

total ordered 184.94

This is a courtesy reply, not an invoice. Please don't pay from this document. We'd hate for you to pay twice.

Total Shipped

pre-tax mdse total 184.94
 total 184.94



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Payment terms: MASTER CARD / VISA

Thanks for choosing OfficeMax.
 We look forward to helping you
 reach your full potential.

Packing List
OfficeMax
 1331 BOLTONFIELD STREET
 COLUMBUS, OH 43228
 www.officemaxsolutions.com

Invoice #
38456623

PO # 97532410
 Reference # **38456623**

Ship to: AMERICAN ELECTRIC POWER
 101A ENTERPRISE DR
 FRANKFORT, KY 40601

Sold to: AMERICAN ELECTRIC POWER
 ATTN ACCOUNTS RECEIVABLE
 PO BOX 24400
 CANTON, OH 44701

Acct. # 0256021, Consignee FRANK

Acct. # 0256021, Consignee BILCAN

Cost Center: 11011783
 Description: Regulatory Services-KY
 Release: J. Rosquist
 Judy Rosquist

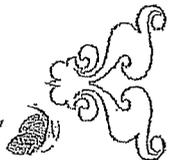
Routing:

Description	Item Number	Ordered	Shipped	Unit Price	Total
Contact Name: Judy Rosquist Contact Phone: 5026967011					
<input type="checkbox"/> RIBN,TYPW,TWN-SP,BK/RD Calculator Ribbon Original item is no longer available. Original item has been replaced with an item of equal or greater value	S2BR80C S211209	6 EA	6 EA	.77	4.62
<input checked="" type="checkbox"/> OMX #1: NON SKID PAP CLIPS 10 Non Skid #1	H4OM99148	1 PK	1 PK	2.15	2.15
<input checked="" type="checkbox"/> OMX JUM NON,SKDPAP, 10PK Non Skid Jumbo	H4OM99146	1 PK	1 PK	5.82	5.82
<input checked="" type="checkbox"/> PROTECTOR,CD,20CAP,10/PK CD Binder Sheets ALTRC=U35 4PK Shipped from whse in GREENVILLE, IL Item MAY arrive separately	S795304	4 PK	4 PK	18.42	73.68
<input checked="" type="checkbox"/> 52X CD-R 100 PK SPINDLE CD-R Recordable	S7CDR-100-PACK	1 PK	1 PK	14.89	14.89

* Roto Case

used 45 disc 6.48 ✓

Merchandise Total \$206.80



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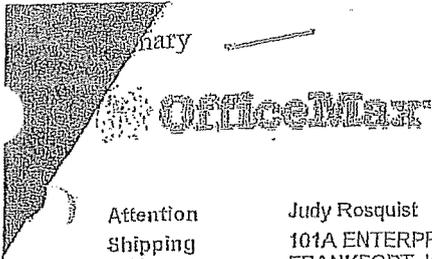


This is not an invoice. You will be billed separately.

Questions, comments, returns? Just contact our team at 877.969.OMAX(6629). No merchandise accepted for credit unless arranged for in advance. Claims must be made within 30 days after date of invoice.

6891013 - 216

11/05/2009 16:42:46



[Help](#)

Attention Judy Rosquist
 Shipping Address 101A ENTERPRISE DR.
 FRANKFORT, KY 40601
 PO # 98433042
 Account 0256021 - AMERICAN ELECTRIC POWER
 256021
 Ship To Code FRANK
 Payment Type MasterCard
 XXXX-XXXX-XXXX-0134

Subtotal \$570.89
 Estimated Tax \$34.25
 Total** \$605.14

Co # + Dept ID: 11011783

1st Initial/Last Name: J.
 Rosquist

Qty	UOM	Product Code	Description	Delivery*	Your Subtotal Price
* 60	RM	P13R2047	Xerox - Business Multipurpose 4200 Copy Paper - 8-1/2" x 11", White, 92 U.S., 105 Euro, 20 Lb. PAPER, 8.5X11, WE, 4200 DP Item Comments: 1. 4200 8 1/2" x 11 Paper	60 Next Day	\$3.35 \$201.00 ✓
1	DZ	P3OM97322	OfficeMax - Perforated Pads - Canary, 8-1/2" x 14", 50 Sheets/Pad, Legal Rule PAD, LGL, CA, 8.5X14, 3/4 Item Comments: 1. 8 1/2 x 14 Legal Pad	1 Next Day	\$14.67 \$14.67
1	DZ	P3OM97319	OfficeMax - Perforated Pads - White, 8-1/2" x 11", 50 Sheets/Pad, Legal Rule PAD, LGL, RLD, WE, 8.5X11 3/4 Item Comments: 1. 8 1/2 x 11 Legal Pad	1 Next Day	\$8.18 \$8.18
* 24	PK	L311421	Avery - Index Maker® Clear Labels Dividers - White Tabs for Copiers - 1 1/2" x 8-1/2", 5-Tab INDEX MAKER, COPIER, 5-TAB Item Comments: 1. Clear Label	24 In 1-3 Days	\$14.46 \$347.04 ✓

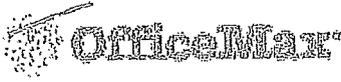
* Stock is not allocated until order is placed. Days indicated above are business days and may vary depending upon delivery location.

** Refer to final invoice for order total.

THIS IS NOT AN INVOICE

* Rpt Case

Order Summary



[Help](#)

Attention	Judy Rosquist	Subtotal	\$499.95
Shipping Address	101A ENTERPRISE DR. FRANKFORT, KY 40601	Estimated Tax	\$30.00
PO #	98970504	Total**	\$529.95
Account	0256021 - AMERICAN ELECTRIC POWER 256021		
Ship To Code	FRANK		
Payment Type	MasterCard XXXX-XXXX-XXXX-0134		

Co # + Dept ID: 11011783

1st Initial/Last Name: J.
Rosquist

Qty	UOM	Product Code	Description	Delivery*	Your Subtotal Price
120	RM	P13R2047	Xerox - Business Multipurpose 4200 Copy Paper - 8-1/2" x 11", White, 92 U.S, 105 Euro, 20 Lb. PAPER,8.5X11,WE,4200 DP <i>Item Comments:</i> 1. 4200 MultiPurpose 8 x 11	120 Next Day	\$3.35 \$402.00
* 15	EA	L2OM96213	OfficeMax - Heavy-Duty Easy-to-Load Slant D-Ring View Binders - White, 11" x 8-1/2", 3", 725 Sheets LCKG D-RING VIEW BINDER 3"WHT <i>Item Comments:</i> 1. Lckg D-ring view binder	15 Next Day	\$6.53 \$97.95

* Stock is not allocated until order is placed. Days indicated above are business days and may vary depending upon delivery location.

** Refer to final invoice for order total.

THIS IS NOT AN INVOICE

** Rate Cash*

Dec 14 2009 10:41:06 OfficeMax

KPSC Case No. 2009-00459
Commission Staff First Set Data Requests
Order Dated December 30, 2008 7:00 PM
Item No. 55
Page 21 of 29

Page 001

Fax Order Confirmation



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Shipped From:
1331 BOLTONFIELD STREET
COLUMBUS OH 43228

Judy Rosquist,
Questions or concerns about your order?
Send to customersupport@officemax.com or call us at (877)969-OMAX.

Shipped to: AMERICAN ELECTRIC POWER Judy Rosquist 101A ENTERPRISE DR FRANKFORT, KY 40601 Acct: # 0256021FRANK	Sold to: AMERICAN ELECTRIC POWER ATTN ACCOUNTS RECEIVABLE PO BOX 24400 CANTON, OH 44701-4400
---	--

Contact: JUDY ROSQUIST Contact #: 502.696.7011	Invoice # 39406714	PO # 98755596	Order Date 12.14.09
---	-----------------------	------------------	------------------------

CC # 11011783 Release # J. Rosquist
Desc Regulatory Services-KY

Description	Product Code	Qty	Unit	Unit Price	Total
BX,STRG ECON,LTR 12/CT Bankers Boxes Deliver within 1 to 2 business days.	P5QM97211	1	CT	37.02	37.02
* PAPER,8.5X11,WE,4200 DP 4200 Multipurpose 4200 Deliver within 1 to 2 business days.	P13R2047	60	RM	3.35	201.00 ✓
* INDEX,LSR,3TAB,HP,5ST/PK 3 Tab Index Maker Deliver within 1 to 2 business days.	L311435	30	PK	12.09	48.36 ✓
* INDEX,LSR,5TAB,HP,5ST/PK 5 Tab Index Maker Deliver within 1 to 2 business days.	L311436	30	PK	13.50	405.00 ✓
* LABEL,ADD,LSR,TX2 5/8 3K White Labels Deliver within 1 to 2 business days.	A55160	1	BX	22.40	22.40 ✓
MOISTNER,HYGNC,3PK,FNGTP SoftQuik	A910053	1	PK	1.66	1.66

* RAT Case



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Shipment Receipt

Transaction Date: 28 Dec 2009
 Tracking Number: 1ZR5404FD199418640

Address Information		
Ship To: Kentucky Power Company Jacinda Chaney 3249 North Mayo Trail PIKEVILLE KY 41501-3388 Telephone: 603-436-3824	Ship From: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-696-7011	Return Address: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-696-7011

Package Information			
Weight	Dimensions / Packaging	Declared Value	Reference Numbers
1. Letter	UPS Letter		

UPS Shipping Service and Shipping Options	
Service: UPS Next Day Air Guaranteed By: ¹ 12:00 P.M. Tuesday, 12/29/2009	
Shipping Fees Subtotal:	17.85 USD
Transportation	14.85 USD
Fuel Surcharges	1.40 USD
Delivery Area Surcharges	
Package 1: Delivery Area Surcharges - Rural	1.60 USD

Payment Information	
Bill Shipping Charges to: Associated shipper's account:	MasterCard xxxxxxxxxxxx0134 R5404F
Total Charged:	17.85 USD

7.89

Note: Your invoice may vary from the displayed reference rates.
¹ For delivery and guarantee information, see the UPS Service Guide. To speak to a customer service representative, call 1-800-PICUPS for domestic services and 1-800-782-7892 for international services.

Responsibility for Loss or Damage
 Unless a greater value is recorded in the declared value field as appropriate for the UPS shipping system used, the shipper agrees that the released value of each package covered by this receipt is no greater than \$100, which is a reasonable value under the circumstances surrounding the transportation. If additional protection is desired, a shipper may increase UPS's limit of liability by declaring a higher value and paying an additional charge. UPS does not accept for transportation and shipper's requesting services through the Internet are prohibited from shipping packages with a value of more than \$50,000. The maximum liability per package assumed by UPS shall not exceed \$50,000, regardless of value in excess of the maximum. Claims not made within nine months after delivery of the package (sixty days for international shipments), or in the case of failure to make delivery, nine months after a reasonable time for delivery has elapsed (sixty days for international shipments), shall be deemed waived. The entry of a C.O.D. amount is not a declaration of value for carriage purposes. All checks or other negotiable instruments tendered in payment of C.O.D. will be accepted by UPS at shipper's risk. UPS shall not be liable for any special, incidental, or consequential damages. All shipments are subject to the terms and conditions contained in the UPS Tariff and the UPS Terms and Conditions of Service, which can be found at www.ups.com.

7.89
 7.89
 58.52
 21.81
 6.15
 6.15

 108.41



Shipment Receipt

Transaction Date: 28 Dec 2009
 Tracking Number: 1ZR5404F0195016252

Address Information

Ship To: Kentucky Power Company Judith Couch 1401 E. Main St. HAZARD KY 4701-2040 Telephone: 606-436-1324	Ship From: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rates FRANKFORT KY 40602 Telephone: 502-696-7011	Return Address: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rates FRANKFORT KY 40602 Telephone: 502-696-7011
---	---	--

Package Information

Weight	Dimensions / Packaging	Declared Value	Reference Numbers
1. Letter	UPS Letter		

UPS Shipping Service and Shipping Options

Service:
 UPS Next Day Air
 Guaranteed By:¹
 End of Day Tuesday, 12/29/2009

Shipping Fees Subtotal:	17.88 USD
Transportation:	14.85 USD
Fuel Surcharge:	1.10 USD
Delivery Area Surcharge:	
Package 1: Delivery Area Surcharge - Rural:	1.60 USD

Additional Shipping Options:
 Quantum View Notify E-mail Notifications: No Charge
 1. Jrosquist@aep.com Delivery

Payment Information

Bill Shipping Charges to: MasterCard xxxxxxxxxx0134
 Associated shipper's account: R5404F

Total Charged: 77.88 USD **7.89**

Note: Your invoice may vary from the displayed reference rates.
¹ For delivery and guarantee information, see the [UPS Service Guide](#). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-762-7892 for international services.

Responsibility for Loss or Damage
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Shipment Receipt

Transaction Date: 29 Dec 2009
 Tracking Number: 1ZR5404F2592671685

Address Information

Ship To: FINCAP, Inc William E. Awara, President 3917 Rod River AUSTIN TX 78751-5213 Residential	Ship From: Kentucky Power Company Errol K Wagner 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-698-7010	Return Address: Kentucky Power Company Errol K Wagner 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-698-7010
--	--	---

Package Information

Weight	Dimensions / Packaging	Declared Value	Reference Numbers
1. 35.0 lbs	18 x 12 x 12 in. My Packaging		

UPS Shipping Service and Shipping Options

Service:
 UPS Next Day Air
 Guaranteed By:¹
 10:30 A.M. Wednesday, 12/30/2009

Shipping Fees Subtotal:	146.64 USD
Transportation	132.75 USD
Fuel Surcharges	11.49 USD
Residential Surcharges	2.40 USD

Additional Shipping Options:

Delivery Confirmation:	
Package 1: Delivery Confirmation	1.75 USD
Quantum View Notify E-mail Notifications:	No Charge
1. jkrosquist@aep.com Delvay	

Payment Information

Bill Shipping Charges to:
 Associated shipper's account: MasterCard xxxxxxxxxx0134
 R5404F

Total Charged:

449.38 USD

Note: Your invoice may vary from the displayed reference rates.
 * For delivery and guarantee information, see the [UPS Service Guide](#). To speak to a customer service representative, call 1-800-PUIC-UPS for domestic services and 1-800-782-7892 for international services.

Responsibility for Loss or Damage
 Unless a greater value is recorded in the declared value field as appropriate for the UPS shipping system used, the shipper agrees that the released value of each package covered by this receipt is no greater than \$100, which is a reasonable value under the circumstances surrounding the transportation. If additional protection is desired, a shipper may increase UPS's limit of liability by declaring a higher value and paying an additional charge. UPS does not accept for transportation and shipper's requesting service through the Internet are prohibited from shipping packages with a value of more than \$50,000. The maximum liability per package assumed by UPS shall not exceed \$50,000, regardless of value in excess of the maximum. Claims not made within nine months after delivery of the package (sixty days for international shipments), or in the case of failure to make delivery, nine months after a reasonable time for delivery has elapsed (sixty days for international shipments), shall be deemed waived. The entry of a C.O.D. amount is not a declaration of value for carriage purposes. All checks or other negotiable instruments tendered in payment of C.O.D. will be accepted by UPS at shipper's risk. UPS shall not be liable for any special, incidental, or consequential damages. All shipments are subject to the terms and conditions contained in the UPS Tariff and the UPS Terms and Conditions of Service, which can be found at www.ups.com.



Shipment Receipt

Transaction Date: 29 Dec 2009
 Tracking Number: 1ZR5404F019B057470

Address Information

Ship To: Boehm, Kurtz & Lowry Honorable Michael L. Kurtz 36 East Seventh Street Suite 1510 CINCINNATI OH 45202-4454 Telephone: 513-421-2255	Ship From: Kentucky Power Company Errol K Wagner 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-696-7010	Return Address: Kentucky Power Company Errol K Wagner 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-696-7010
--	--	---

Package Information

Weight	Dimensions / Packaging	Declared Value	Reference Numbers
1. 35.0 lbs	18 x 12 x 12 in. My Packaging		

UPS Shipping Service and Shipping Options

Service:
 UPS Next Day Air
 Guaranteed By:¹
 10:30 A.M. Wednesday, 12/30/2009

Shipping Fees Subtotal: 57.99 USD
 Transportation: 53.45 USD
 Fuel Surcharge: 4.54 USD

Additional Shipping Options:
 Quantum View Notify E-mail Notifications: No Charge
 1. Jkrosquist@aep.com Delivery

Payment Information

Bill Shipping Charges to: MasterCard xxxxxxxxxx0134
 Associated shipper's account: R5404F

Total Charged: 57.99 USD *21181*

Note: Your invoice may vary from the displayed reference rates.
¹ For delivery and guarantee information, see the UPS Service Guide. To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-762-7892 for international services.

Responsibility for Loss or Damage
 Unless a greater value is provided in the declared value field as appropriate for the UPS shipping system used, the shipper agrees that the released value of each package covered by this receipt is no greater than \$100, which is a reasonable value under the circumstances surrounding the transportation. If additional protection is desired, a shipper may increase UPS's limit of liability by declaring a higher value and paying an additional charge. UPS does not accept for transportation and shipper's requesting service through the Internet are prohibited from shipping packages with a value of more than \$50,000. The maximum liability per package assumed by UPS shall not exceed \$50,000, regardless of value in excess of the maximum. Claims not made within nine months after delivery of the package (sixty days for international shipments), or in the case of failure to make delivery, nine months after a reasonable time for delivery has elapsed (sixty days for international shipments), shall be deemed waived. The entry of a C.O.D. amount is not a declaration of value for carriage purposes. All checks or other negotiable instruments tendered in payment of C.O.D. will be accepted by UPS at shipper's risk. UPS shall not be liable for any special, incidental, or consequential damages. All shipments are subject to the terms and conditions contained in the UPS Tariff and the UPS Terms and Conditions of Service, which can be found at www.ups.com.



Shipment Receipt

Transaction Date: 28 Dec 2009
 Tracking Number: 1ZR5404F0197905037

Address Information

Ship To: Kentucky Power Company Debra Kahn 12333 Koyin Ave ASHLAND KY 41102-8853 Telephone: 605-929-1486	Ship From: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-696-7011	Return Address: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rales FRANKFORT KY 40602 Telephone: 502-696-7011
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Package Information

Weight	Dimensions / Packaging	Declared Value	Reference Numbers
1. Letter	UPS Letter		

UPS Shipping Service and Shipping Options

Service:
 UPS Next Day Air
 Guaranteed By:¹
 10:30 A.M. Tuesday, 12/29/2009

Shipping Fees Subtotal: 16.11 USD
Transportation: 14.85 USD
Fuel Surcharge: 1.26 USD

Additional Shipping Options:
 Quantum View Notify E-mail Notifications: No Charge
 1. jkrosquist@aep.com Delivery

Payment Information

Bill Shipping Charges to: MasterCard xxxxxxxx0134
Associated shipper's account: R6404F

Total Charged: 16.11 USD *6.15*

Note: Your invoice may vary from the displayed reference rates.
 1 For delivery and guarantee information, see the [UPS Service Guide](#). To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-702-7092 for international services.

Responsibility for Loss or Damage
 Unless a greater value is recorded in the declared value field as appropriate for the UPS shipping system used, the shipper agrees that the released value of each package covered by this receipt is no greater than \$100, which is a reasonable value under the circumstances surrounding the transportation. If additional protection is desired, a shipper may increase UPS's limit of liability by declaring a higher value and paying an additional charge. UPS does not accept for transportation and shipper's requesting service through the Internet are prohibited from shipping packages with a value of more than \$50,000. The maximum liability per package assumed by UPS shall not exceed \$50,000, regardless of value in excess of the maximum. Claims not made within nine months after delivery of the package (sixty days for international shipments), or in the case of failure to make delivery, nine months after a reasonable time for delivery has elapsed (sixty days for international shipments), shall be deemed waived. The only C.O.D. amount is not a declaration of value for carriage purposes. All checks or other negotiable instruments tendered in payment of C.O.D. will be accepted by UPS at shipper's risk. UPS shall not be liable for any special, incidental, or consequential damages. All shipments are subject to the terms and conditions contained in the UPS Tariff and the UPS Terms and Conditions of Service, which can be found at www.ups.com.



Shipment Receipt

Transaction Date: 29 Dec 2009
 Tracking Number: 1ZR6404FD199594881

Address Information

Ship To: American Electric Power Gary L Johnson One Riversida Plaza 23 Floor COLUMBUS OH 43215-2352 Telephone: 614-223-2827	Ship From: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rates FRANKFORT KY 40602 Telephone: 502-696-7011	Return Address: Kentucky Power Company Judy K Rosquist 101A Enterprise Drive Rates FRANKFORT KY 40602 Telephone: 502-696-7011
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Package Information

Weight	Dimensions / Packaging	Declared Value	Reference Numbers
1. Letter	UPS Letter		

UPS Shipping Service and Shipping Options

Service:
 UPS Next Day Air
 Guaranteed By:¹
 10:30 A.M. Wednesday, 12/30/2009

Shipping Fees Subtotal:	16.11 USD	Additional Shipping Options:	
Transportation	14.85 USD	Quantum View Notify E-mail Notifications:	No Charge
Fuel Surcharges	1.26 USD	1. jkrosquist@aep.com Delivery	

Payment Information

Bill Shipping Charges to:
 Associated shipper's account: MasterCard xxxxxxxxxx0134
 R5404F

Total Charges: **16.11 USD**

Note: Your invoice may vary from the displayed reference rates.
¹ For delivery and guarantee information, see the UPS Service Guide. To speak to a customer service representative, call 1-800-PICK-UPS for domestic services and 1-800-782-7892 for international services.

Responsibility for Loss or Damage
 Unless a greater value is recorded in the declared value field as appropriate for the UPS shipping system used, the shipper agrees that the released value of each package covered by this receipt is no greater than \$100, which is a reasonable value under the circumstances surrounding the transportation. If additional protection is desired, a shipper may increase UPS's limit of liability by declaring a higher value and paying an additional charge. UPS does not accept for transportation and shipper's requesting service through the Internet are prohibited from shipping packages with a value of more than \$50,000. The maximum liability per package assumed by UPS shall not exceed \$50,000, regardless of value in excess of the maximum. Claims not made within nine months after delivery of the package (sixty days for international shipments), or in the case of failure to make delivery, nine months after a reasonable time for delivery has elapsed (sixty days for international shipments), shall be deemed waived. The entry of a C.O.D. amount is not a declaration of value for carriage purposes. All checks or other negotiable instruments tendered by payment of C.O.D. will be accepted by UPS at shipper's risk. UPS shall not be liable for any special, incidental, or consequential damages. All shipments are subject to the terms and conditions contained in the UPS Tariff and the UPS Terms and Conditions of Service, which can be found at www.ups.com.

ENTERPRISE RENT-A-CAR COMPANY OF KENTUCKY, 1220 VERSAILLES RD, FRANKFORT, KY 406019259 (502) 695-5542

RENTAL AGREEMENT
 366166

REF#
 6N02LT

SUMMARY OF CHARGES

RENTER
 WAGGONER, ROBERT

DATE & TIME OUT
 12/28/2009 12:36 PM
 DATE & TIME IN
 12/29/2009 01:59 PM

BILLING CYCLE
 24-HOUR

VEH #1 2009 CHRY TC TOUR
 VIN# 2A6HR54139R674406
 LIC# 629KFF
 MILES DRIVEN 77

Charge Description	Date	Quantity	Per	Rate	Total
TIME & DISTANCE	12/28 - 12/29	1	DAY	\$55.00	\$55.00
TIME & DISTANCE	12/29 - 12/29	1	HOUR	\$18.15	\$18.15
REFUELING CHARGE	12/28 - 12/29				\$0.00
Subtotal:					\$73.15
Taxes & Surcharges					
VEHICLE LICENSE COST RECOVERY	12/28 - 12/29	1	DAY	\$0.82	\$0.82
KY U-DRIVE-IT TAX	12/28 - 12/29			6%	\$4.39
Total Charges:					\$78.36
Bill-To / Deposits					
DEPOSITS					(\$78.36)
Total Amount Due					\$0.00

PAYMENT INFORMATION

AMOUNT PAID
 \$78.36

TYPE
 Mastercard

CREDIT CARD NUMBER
 XXXXXXXXXXXX8045

55.00
 39.80

 94.80



FIVE STAR
FOOD MART #488
FRANKFORT, KY. 40601

12/28/09 17:54
STN # 00052964

MCFLEET
XXXXXXXXXXXX0045

AUTH# 007791
INV # 6485917
CREDIT
PUMP#05 REGUNL
GALLONS 15.928
@ \$2.499/GAL
FUEL \$39.80

TL/NOTAX \$39.80
TOTAL \$39.80

THANK YOU!
COME AGAIN!

Kentucky Power Company

REQUEST

Provide Kentucky Power's most recent depreciation study. If no, such study exists, provide a copy of Kentucky Power's most recent depreciation schedule. The schedule should include a list of all plant and related facilities by account number, service life and accrual rate for each, the methodology that supports the schedule and the date the schedule was last updated.

RESPONSE

Please refer to the Company's December 29, 2009 Application filing, Volume 5, Exhibit JEH-1 attached to the testimony of Witness James E. Henderson and the Depreciation Study included in Volume 5.

WITNESS: James E Henderson

Kentucky Power Company

REQUEST

Describe the status of any outstanding recommendations relating to Kentucky Power's management audits. Identify any savings or costs related to management audit recommendations, the impact of which is not already reflected in the test year of this case.

RESPONSE

The only outstanding management audit recommendation not closed during the Company's test year was recommendation II-7, which was closed on November 23, 2009. The last remaining task was to provide an update on the AEP pilot program's progress in another jurisdiction. The update was provided in the March 30, 2009 progress report. Thus, all recommendation had been completed at the end of the test year, although the final recommendation was not placed in the completed category until November 23, 2009. All of the savings or costs and their associated impacts on the Company's operations are fully reflected in the Company's test year results.

WITNESS: Errol K. Wagner

Kentucky Power Company

REQUEST

Concerning Kentucky Power's demand side management ("DSM") programs:

- a. Describe the status of the DSM programs during the test year and as of test-year end.
- b. Identify the revenues and expenses associated with Kentucky Power's DSM programs during the test year. Include the account number used to record revenue and expense transactions for the DSM programs.

RESPONSE

- a. The DSM Programs in effect for the entire twelve months ending September 30, 2009 were the Targeted Energy Efficiency Program, the High Efficiency Heat Pump-Mobile Home Program, the Mobile Home New Construction Program and the Modified Energy Fitness Program. In February 2009, the Company received approval of the following three programs; the High Efficiency Heat Pump Program, the Community Outreach Compact Fluorescent Lighting Program and the Energy Education for Students Program. A description of the seven DSM Programs is attached.
- b. During the twelve months ending September 2009 KPCo collected a total of \$1,149,668 of DSM revenues recorded in Account No. 4560007. These revenues were removed from the Company test year level of revenues at Section V, Schedule 6, Line 12. Also, during the same time period, the Company recorded \$798,892 of DSM expenses in Account No. 9080009. There should have been an expense adjustment of \$798,892 removing these DSM expenses from the test year level of expense.

WITNESS: Errol K Wagner

KENTUCKY POWER COMPANY DEMAND SIDE MANAGEMENT PROGRAMS

Targeted Energy Efficiency Program

This program will piggyback the resources of not-for-profit agencies that provide weatherization services to low-income households. Energy audits, consultation, and extensive weatherization and energy conservation measures will be provided to eligible low-income customers. Low-income customers who use on the average of 700 kWh per month are eligible for the program.

High Efficiency Heat Pump – Mobile Home Program

Kentucky Power Company will provide a \$400 incentive to mobile home customers who replace their resistant heat system with a high-efficiency heat pump. Eligible customers must live in a mobile home, have resistant heat, have service with KPCo for at least 12 months. For promoting the program, participating HVAC dealers will receive a \$50 incentive for each high efficiency heat pump installed.

Mobile Home New Construction Program

Kentucky Power Company will provide a \$500 incentive to mobile home buyers who purchase a new home with zone 3 insulation levels and a high efficiency heat pump. Participating manufactured housing dealers will also receive a \$50 incentive for promoting the program.

Modified Energy Fitness Program

The intent of the Modified Energy Fitness Program is to induce Kentucky Power Company residential customers to have an energy audit and, where applicable, have installed a mixture of energy saving measures. The audit and consultation will pinpoint energy conservation measures that can be implemented by the customer and also educate the customer on the benefits of energy efficiency.

The primary target market will be site built and manufactured homes utilizing electric space heating and electric water heating and use a minimum average of 1,000 kWh of electricity per month. The extent of the services provided will be dependent upon the electrical products in the customer's home. Honeywell International is the implementation contractor for the program.

High Efficiency Heat Pump Program

Kentucky Power Company will provide an incentive to residential customers living in site-built homes who purchase a new high-efficiency heat pump for upgrades of less efficient heating and cooling systems. For upgrades of an electric resistance heating system with a high efficiency heat pump (SEER greater than or equal to 13.0 SEER and 7.7 HSPF), the customer will receive an incentive of \$400. For upgrades of an electric heat pump unit with a ultra high efficiency heat pump (SEER greater than or equal to 14.0 SEER and 8.2 HSPF), the customer will receive an incentive of \$400. Participating HVAC dealers will also receive a \$50 incentive for promoting the program.

Community Outreach Compact Fluorescent Lighting Program

This program is designed to educate and encourage Kentucky Power Company residential customers to purchase and use compact fluorescent lighting (CFLs) in their homes. A package of four 23 watt CFLs will be distributed to customers attending community outreach activities sponsored by Kentucky Power.

Energy Education for Students Program

Kentucky Power will partner with the National Energy Educational Development Project (NEED) to implement an energy education program at participating middle schools throughout the Kentucky Power service territory.

NEED staff will conduct workshops on a scheduled basis to ensure participating schools are reached during the calendar year. Educational materials on energy, electricity, environment and economics will be provided. The program will also provide a package of four 23 watt compact fluorescent lamps (CFLs) that will allow students to install the CFLs in their homes as part of the curriculum. This allows learning and direct savings from the program. All 7th grade students at participating schools will be eligible for the program.