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NOX	Annual	Annual	AD - HR	ERCOT - HR	SPP - HR
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KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 35 Page 1 of 2

# **Kentucky Power Company**

## REQUEST

Please provide the Company's actual off-system sales revenues and off-system sales expenses for each month January 2004 through October 2005. Provide all assumptions, computations and work papers, including electronic spreadsheets with formulas intact underlying the computations of the expense amounts.

# RESPONSE

See attached.

No. 2 System Sales Expenses 1 System Sales Revenues Non-Associated Utilities Monthly Environmental Costs Monthly Environmental Costs Adjustment for PJM Purchase Power Accounts Not Considered in Prior Months's Filings System Sales Profit
Before Non-Associated
Utilities System Sales Profit Description = 2,981,894 3,186,485 1,690,591 2,784,993 2,818,773 4,897,906 = 2,981,894 3,186,485 1,690,591 2,784,993 2,818,773 2,981,894 3,186,485 1,690,591 2,784,993 2,818,773 6,516,271 5,672,804 5,201,240 5,003,928 5,694,921 9,498,165 8,859,289 6,891,831 January 2004 February 2004 0 March 2004 0 7,788,921 8,513,694 2004 April 0 2004 May 0 4,897,906 4,897,906 4,068,332 2,871,664 1,922,864 10,645,275 10,239,220 8,668,767 7,520,993 5,200,052 8,890,682 8,748,099 13,132,307 5,747,369 2004 June 0 4,068,332 2,871,664 1,922,864 4,068,332 2,871,664 1,922,864 6,170,888 5,797,103 5,598,129 5,132,931 7,270,008 6,753,841 2004 July 0 August 2004 0 September October November December January 2004 0 2004 67,121 1,000,703 1,743,635 3,674,868 1,840,112 (389,264) 3,333,982 3,622,195 3,151,393 2,571,386 2,194,517 2,755,486 2,192,163 67,121 1,000,703 1,743,635 67,121 1,620,674 1,994,258 4,192,483 3,061,186 0 0 619,971 2004 250,623 2004 8,939,824 6,866,387 8,540,876 6,387,028 5,427,101 6,056,765 7,193,130 3,674,868 2,504,627 517,615 2005 0 9,927,573 9,505,720 February 556,559 664,515 2005 964,844 4,330,313 3,909,027 3,537,789 3,210,649 2,784,960 3,258,495 2,639,779 664,515 275,251 March 689,593 2005 10,717,341 9,336,128 9,594,554 10,403,779 3,998,498 3,622,195 3,151,393 664,516 331,815 2005 April 286,832 2005 May 0 386,396 2005 June 2,571,386 639,263 2005 July 6,467,017 6,452,786 2,194,517 9,251,977 August 590,443 2005 2,755,486 2,192,163 9,711,281 September 503,009 2005 5,400,669 8,040,448 October 447,616 2005

Kentucky Power Company Off System Sales and Expenses January 2004 through June 2005

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 36 Page 1 of 1

### **Kentucky Power Company**

### **REQUEST**

Please provide a copy of the AEP East Interchange Power Statement and Related Data for each month January 2004 through October 2005.

### RESPONSE

For the month of January 2004 to March 2005 please see the supplemental response to KPSC Case No. 2005-00068, KIUC 1st Set Data Request, Order Dated April 18, 2005, Item No. 6. Due to its voluminous nature, copies also may be reviewed at the offices of Stites & Harbison PLLC, 421 West Main Street, Frankfort, Kentucky 40601.

Please see the enclosed CD for a copy of the AEP East Interchange Power Statement and Related Data for the available months April 2005 to September 2005.

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 37 Page 1 of 1

### **Kentucky Power Company**

### REQUEST

Please provide a quantification of the allocation to the Company of AEP margins on the utilization of emission allowances used to supply AEP off-system sales included in the Company's revenue requirement quantification and identify the schedules and line numbers in the company's filing in which these margins were used to reduce the revenue requirement.

#### RESPONSE

The Company's share of the emission allowances margin (i.e., the difference between the monthly market price used in the AEP System's dispatch and each individual pool member's allowances inventory cost) is embedded in the Company's monthly off-system sales profit level.

It is implicitly built-in in the figures reported in Column 3, Section V, Workpaper S-4, Page 26. The pertinent flow of information can be traced in the monthly Interchange Power Statements submitted in response to KIUC-36. As an example, for the last month of the test year, June 2005, pg. 11, columns (3) and (6) of the Interchange Power Statement capture the differentials, for SO2 and NOx respectively, between market price and inventory costs (all shown in the Footnote). The sum of the two (\$11,929,479 + \$5,234,273= \$17,163,752) effectively reduces the cost of production for off-system sales by the same amount from \$98,336,680 (shown in Column 7) to \$81,172,928 (shown in Column 8). Thus, with the off-system sales revenue remaining the same, reducing the cost of emission allowances enhances the profit margin into which all five members of the pool, including the Company, participate based on their MLR share. The same configuration can be seen in each month's Interchange Power Statement of the test year.

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 38 Page 1 of 8

# **Kentucky Power Company**

### REQUEST

Please provide the Company's budgeted/projected off-system sales revenues, off-system sales expenses, and off-system sales margins for November 2005 through December 2006, including the most recent revisions or expectations. Provide all assumptions underlying the budgeted amounts and/or most recent revisions or expectations, data, computations, and work papers, including electronic spreadsheets with formulas intact in sufficient detail to understand the basis for and to replicate the Company's qualifications. Separately identify sales to other AEP utilities and to unaffiliated third parties and detail all allocations pursuant to the AEP Interconnection Agreement.

### RESPONSE

#### CONFIDENTIAL

The requested information is confidential and the Company has requested confidential protection in the form of a Motion for Confidential Treatment.

Page 2 of 8

# KPSC Case No. 2005-00341 KIUC 1st Set Data Requests Item No. 38 AEP SYSTEM – (EASTERN REGION) KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05 JULY 2005 - DECEMBER 2007

### PROMOD IV INPUT ASSUMPTIONS

Assumption	Data Used	
1) Availability:		
2) Peaks & Energies: A. AEP Internal:		
B. Buckeye:		
C. DSM:		
3) System Sales:		
	V	
4) Hourly Market Price Forecast:		
5) LMP Cluster Adder		

# KPSC Case No. 2005-00341 KIUC 1st Set Data Requests Item No. 38 Page 3 of 8 AEP SYSTEM – (EASTERN REGION) KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05 JULY 2005 – DECEMBER 2007

### PROMOD IV INPUT ASSUMPTIONS

Assumption	Data Used
6) Purchases:	
7) Fuel Costs:	

(Continued next page)

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# AEP SYSTEM – (EASTERN REGION) KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05 JULY 2005 – DECEMBER 2007

### PROMOD IV INPUT ASSUMPTIONS

Assumption	Data Used
8) Maintenance:	
9) Nuclear (Cook):	
10) Hydro-Electric	
11) O&M Variable & Fixed and Fuel Handling:	
12) Heat Rates:	
13) Compliance Plan:	
13) Compilance Flan.	

KPSC Case No. 2005-00341 KIUC 1st Set Data Requests Item No. 38 Page 5 of 8

### AEP SYSTEM - (EASTERN REGION) KENTUCKY RATE CASE FORECAST FOR CP&B - 8/12/05 **JULY 2005 - DECEMBER 2007**

### PROMOD IV INPUT ASSUMPTIONS

Assumption			Data Used	
14) Expansion Plan:				
15) New Unit Characteristics for	Unit:			
16) Unit Retirements:				
		(Continued nev	(anca t	

KPSC Case No. 2005-00341 KIUC 1st Set Data Requests Item No. 38 Page 6 of 8

# AEP SYSTEM – (EASTERN REGION) KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05 JULY 2005 – DECEMBER 2007

### PROMOD IV INPUT ASSUMPTIONS

Assumption	Data Used
17) Capacity Re-Rates:	
18) Minimum Load:	
19) Unit Run Status:	

(Continued next page)

8/15/05

# KPSC Case No. 2005-00341 KIUC 1st Set Data Requests Item No. 38 Page 7 of 8 AEP SYSTEM – (EASTERN REGION) KENTUCKY RATE CASE FORECAST FOR CP&B – 8/12/05 JULY 2005 – DECEMBER 2007

#### PROMOD IV INPUT ASSUMPTIONS

Assumption	Data Used
20) Unit Characteristics – Robert P Mone	
21) Rockport Ownership:	
22) Demand Cost: (for CP&B Use Only)	
23) Member-Load-Ratio: (for CP&B Use Only)	

KPSC Case No. 2005-00341 KIUC 1st Set Data Requests Item No. 38 Page 8 of 8 AEP Eastern Fleet

Table 1

### Anticipated Capacity Changes Incorporated into Long-Range Planning

Unit / Amount / Timing

	Capacity Rating NDC	HP/1st RH Turbine ADS Improvement 600-series MW)	In-	HP/1st RH Turbine ADSP Improvement 800-series (12-MW)	In-Service	Main StopValve - MSV/CV Changeout (61-MW)	In-Service	FGD Derate (MW)	Net (MW) after FGD	LPT Rotor Uprate 41 MW	in- . Service Date
Amos 3									•	••	•
Cardinal 1	1										
Cardinal 2	]										
Cook 1											
Gavin 1	Ī										
Gavin 2	Ī										
Mitchell 1	Ī										
Mitchell 2	Ī										
Mountaineer 1	1										
Stuart 3	]										
Stuart 4										 	

Source: FGD retrofit reductions, future turbine upgrades and main stop valve (MSV) per M. J. Mudd (3/18/05). Stuart Units 1-4 FGD in-service dates per M. E. Guerriero of DP&L, (6/23/05) maintenance schedule.

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 39 Page 1 of 1

## **Kentucky Power Company**

### REQUEST

Refer to page 37 line 15 through page 38 line 1 of Mr. Wagner's Testimony. Please describe the Company's per books deferred fuel accounting for fuel adjustment clause over or under recoveries of fuel and purchased power expense.

### RESPONSE

The Company defers from the month of generation to the month of recovery (two months later) the fuel cost which is expected to be recovered through the fuel adjustment clause mechanism. The deferred fuel cost for any given month is computed by applying the Fuel Adjustment Clause factor (the difference between actual fuel cost on a per kWh basis for any given month and the fuel cost on a per kWh basis included in the Company's rates) times the retail kWh sales.

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 40 Page 1 of 2

# **Kentucky Power Company**

### **REQUEST**

Refer to page 39 lines 8-21 of Mr. Wagner's Testimony. Please identify the units, the capacity of each unit, and the type of each unit, e.g. gas combined cycle, and the in-service dates of each unit that the Company projects will be added by CSP and APC.

### RESPONSE

Page 2 of this response provides the capacity, unit type, fuel type, and acquisition dates of the CSP and APCo generation capacity additions discussed by Mr. Wagner on page 39 of his testimony.

KPSC Case No. 2005-00341 KIUC 1<sup>st</sup> Set Data Requests Item No. 40 Page 2 of 2

# AEP System - East Zone Actual and Projected Capacity Additions for 2005 & 2006

	Operating		Capability	- MW			
Units	Company	Winter	Summer	Annual Avg.	Unit Type	Fuel	In-Service Date
Waterford 1-3	CSP	852	805	830	Combined Cycle	Natural Gas	Acquired 09/28/05
Ceredo 1-6	APCo	516	458	481	Combustion Turbine	Natural Gas	Projected to be Acquired by 01/01/06

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 41 Page 1 of 1

# **Kentucky Power Company**

# **REQUEST**

Refer to page 39 lines 8-21 of Mr. Wagner's Testimony. Please identify the units, the capacity of each unit, and the retirement date of each unit that the Company projects will be retired by the AEP System.

### **RESPONSE**

On page 39, lines 15-16, of his testimony, Mr. Wagner is referring to the projected December 31, 2005 retirement of CSP's Conesville Units 1&2 (125 MW each).

KPSC Case No. 2005-00341 KIUC First Set Data Request Dated November 10, 2005 Item No. 42 Page 1 of 17

# **Kentucky Power Company**

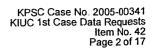
### **REQUEST**

Refer to page 39 lines 8-21 of Mr. Wagner's Testimony. Please provide a copy of all planning documents that AEP relied on to determine its need for building or otherwise acquiring the specific unit additions indicated for CSP and APC.

### **RESPONSE**

# CONFIDENTIAL

The requested information is confidential and the Company has requested confidential protection in the form of a Motion for Confidential Treatment.

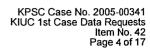




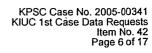
Spring 2005Integrated Resource Plan

Spring 2005 Integrated Resource Plan

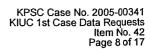
KPSC Case No. 2005-00341 KIUC 1st Case Data Requests Item No. 42 Page 3 of 17 ELECTRIC POWER



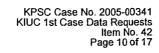














**BUSINESS CONFIDENTIAL** 

