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ATTORNEYS

OCI 102007

PUBLIC SERVICE COMMISSION

HAND DELIVERED

October 10, 2007

Ms. Beth O'Donnell Executive Director Public Service Commission of Kentucky 211 Sower Boulevard P.O. Box 615 Frankfort, Kentucky 40602-0615

RE: P.S.C. Case No. 2006-00507

Dear Ms. O'Donnell:

This letter is being provided in response to Staff's request at the September 19, 2007 Informal Conference in this matter. As requested, Kentucky Power is providing a description of the metering equipment inaccuracies at two of the company's 44 interconnections, the results of its investigation of the inaccuracies, as well as the steps taken to address the issue. Additional information requested following the informal conference also is provided.

The Metering Equipment Inaccuracies.

In June, 2007, Kentucky Power discovered metering equipment inaccuracies at the Company's interconnections with Appalachian Power Company (Leach to South Neal tie line) and Ohio Power Company (Bellefonte-Pleasant Street tie line). The effect of the inaccuracies was to increase the total reported MWh consumed on the Kentucky Power system in May 2007 from 600,686 MWh (the correct reading) to 621,504 (the incorrect initially reported reading).

The cause of the inaccuracy was different at each interconnection. At the Leach to South Neal tie line interconnection, one of the parameters employed by the portion of the metering equipment that aggregates the usage data used the wrong plus/minus (inflow/outflow) designator as the result of a programming error. At the Bellefonte-Pleasant Street tie line interconnection the metering equipment was not synchronized with the Potential Transformer and Current Transformer settings thereby resulting in readings that were approximately 2/3 the correct reading.

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ATTORNEYS

Ms. Beth O'Donnell October 10, 2007 Page 2

Kentucky Power's Investigation.

Upon discovering the metering equipment inaccuracies, Kentucky Power began testing the metering equipment at each of the company's 44 interconnections. That investigation confirmed that inaccuracies existed only at the Leach to South Neal and Bellefonte to Pleasant Street interconnections. In June, 2007, the metering equipment at the two interconnections was modified to correct the inaccuracies.

Following Kentucky Power's initial discovery of the problem it notified the Commission, the Attorney General and Kentucky Industrial Utility Customers, Inc. of the metering equipment inaccuracies on July 18, 2007.

The Adjustment in May, 2007 Billings.

The metering equipment inaccuracies produced erroneous settlements between Kentucky Power and its two sister utilities. As required by Section 8.6 of the Interconnection Agreement, Kentucky Power proposes to make a thirty day adjustment to correct the erroneous settlement. (Attachment 1).

When the adjustment is made, it will affect the Fuel Adjustment Clause (FAC) calculations, the System Sales calculations and the Environmental Surcharge calculations. The FAC, System Sales and Environmental Surcharge adjustments tend to offset one another with the net of which is \$66,075 credit to the customers. (Attachment 2). Therefore, the Company is proposing to make a one-time adjustment with the scheduled November 19, 2007 environmental surcharge, system sales tracker and fuel adjustment clause filings with the Commission. The adjustments will be reflected as a net credit on customers' December, 2007 bills and will be the filed cost data and the adjusted cost data for May, 2007.¹

Remedial Measures.

In addition to Kentucky Power correcting the metering equipment inaccuracies giving rise to the erroneous May, 2007 settlements and filings with the Commission, AEP established a task force to review metering equipment and metering equipment procedures system-wide and to propose process improvements. The following efforts have been undertaken:

¹ The June 18, 2007 FAC filing used estimated fuel cost. These fuel costs were trued up to actual in the July 19, 2007 filing. (Attachment 3). The System Sales data (Attachment 4) and the Environmental Surcharge cost data (Attachment 5), both of which were filed with the Commission on June 18, 2007, contained actual May, 2007 data.

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ATTORNEYS

Ms. Beth O'Donnell October 10, 2007 Page 3

(a) Implemented a "90-Day" program to develop interim measures to detect and prevent additional metering equipment inaccuracies. The plan includes changes in metering equipment procedures, increased employee education and improvements in the collection and organization of information regarding metering equipment;

(b) Planned reductions in the number of tie lines connected to a single meter, thereby reducing the likelihood of inaccuracies being "masked;"

(c) Implementation of monthly meetings reviewing metering equipment system changes to ensure that the proper corresponding changes to metering equipment were implemented;

(d) An AEP-East System-wide analysis of the accuracy of the more than 800 metering locations on the AEP-East System is approximately 98% complete. To date, it is clear the metering equipment inaccuracies are not widespread;

(e) All changes to Kentucky Power's metering equipment have been more closely monitored since July, 2007. To date no further inaccuracies have been detected;

(f) Line loss studies for each of the eleven operating companies on the AEP system were commissioned. Kentucky Power's has been completed and filed with the Commission; and

(g) Metering Equipment at certain stations in Kentucky will be upgraded at a cost of approximately \$2 million.

Additional Staff Inquiries.

Following the informal conference, Staff asked the Company to address whether there is any tension between the maximum thirty day limit for adjustments under Section 8.6 of the Interconnection Agreement and the possibility that Appalachian Power Company (APCo) may be permitted by the West Virginia Commission to "true-up" the settlements to an earlier 2007 date. The answer is no. If the West Virginia Commission allows APCo to recover by way of its cost recovery mechanism the costs back to an earlier date in 2007, the AEP System has elected to transfer any sums beyond the thirty-day "contract period" to Kentucky Power in lieu of retaining the sums. As such, any adjustments beyond the thirty-day "contract period" will be unrelated to the Interconnection Agreement. Kentucky Power will apply any such adjustment to future monthly FAC, System Sales and Environmental Surcharge filings in the manner proposed for May, 2007.

Staff also inquired whether Section 8.6 of the Interconnection Agreement is applicable, suggesting that the inaccuracy arose in connection with equipment other than a <u>meter</u>. The

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ATTORNEYS

Ms. Beth O'Donnell October 10, 2007 Page 4

Interconnection Agreement provision, however, is not limited to meters. Instead, it provides in pertinent part "[i]f on any test of *metering equipment*, an inaccuracy shall be disclosed exceeding two percent...." As such, the provision extends to inaccuracies in metering equipment and not just meters. Indeed, if the drafters of the Interconnection Agreement (as well as FERC which approved the agreement) had intended to limit Section 8.6's applicability to meters they would have so written.

The inaccuracies giving rise to Kentucky Power's report to the Commission occurred as a result of a programming error in the Consolidated Energy Accounting System ("CEAS") and the translation between the CT (Current Transformer) and the meter. The attached PowerPoint slide indicates (Attachment 6), the CEAS and CT are part of the metering equipment used by Kentucky Power in retrieving information concerning energy use.² As such, the error resulting from its operation is governed by Section 8.6 of the Interconnection Agreement.

Kentucky Power's Recommendation for Case No. 2006-00507.

Kentucky Power requests that the Commission issue an Order closing this two-year review because the proposed adjustment relates to a time period (May, 2007) beyond the October 31, 2006 ending date for the Commission's review in this proceeding. Any further adjustments as a result of developments in West Virginia can be considered in connection with the Company's next two-year review.

Very traly yours. Överstreet

cc: Larry Cook Michael Kurtz

 $^{^{2}}$ The MV-90, which is directly linked to the meter, is the system used to gather meter data information. It in turn is directly linked to the Statistical Analysis Software (SAS). The SAS is the feeder system for CEAS that pulls selected metering data from the MV-90 system.

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 1 Page 1 of 3

INTERCONNECTION AGREEMENT

BETWEEN

APPALACHIAN POWER COMPANY

KENTUCKY POWER COMPANY

OHIO POWER COMPANY

COLUMBUS AND SOUTHERN OFIO ELECTRIC COMPANY *

INDIANA & MICHIGAN ELECTRIC COMPANY

AND WITH

AMERICAN ELECTRIC POWER SERVICE CORPORATION,

AS AGENT

Dated: July 6, 1951, as modified and supplemented by:

Modification No. 1, August 1, 1951
Modification No. 2, September 20, 1962
Modification No. 3, April 1, 1975
Supplement No. 1 to
Modification No. 3, August 1, 1979
Supplement No. 2 to
Modification No. 3, August 27, 1979
Modification No. 4, November 1, 1980 *
Compliance Filing (FERC ordered), Opinion 266,
Docket Nos. ER82-579-006 and EL86-10-001

Pursuant to Modification No. 4 the terms "Member" and "Members", whenever said terms appear in the 1951 Agreement, shall, on and after the time when Modification No. 4 shall become effective, include Columbus Company. Members in proportion to their respective MEMBER LOAD RATIOS.

(The following illustrates the application of the principle and procedure for effecting such settlements:

It is assumed that Appalachian Company has delivered a block of SYSTEM INTERCHANGE TO FOREIGN COMPANY which has been supplied by carrying a block of load that would not otherwise be carried at Windsor Station of Chio Company; the out-ofpocket cost incurred by Ohio Company being 3.50 mills per kilowatt-hour.

Charges payable to and credits payable from the SYSTEM ACCOUNT for such energy shall be at the following rates: (1) charge Appalachian Company and Indiana Company at rates per kilowatthour equal to the product of 3.50 mills per kilowatt-hour and their respective MEMBER LOAD RATIOS, and (2) pay Ohio Company at a rate equal to the sum of the rates charged Appalachian Company and Indiana.)

As described under subdivision 7.5 above, electric power and energy for sales to Foreign Companies shall be considered to be supplied from the higher cost of the following two sources: (1) from the highest cost source carrying load on the System, excluding sources operated for minimum operating requirements, or (2) the highest cost source supplying electric power and energy to the System under arrangements with Foreign Companies. Similarly, following the determination and designation of such source for the aforesaid sales, electric power and energy for SYSTEM INTERCHANGE TO FOREIGN COMPANY deliveries shall be considered to be supplied from the higher cost of the balance of said two sources.

ARTICLE 8

DELIVERY POINTS, METERING POINTS AND METERING

Delivery Points

8.1 All electric energy delivered under this agreement shall be of the character commonly known as three-phase sixtycycle energy, and shall be delivered at the various Interconnection

- 25 -

KPSC Case No. 2006-00507 Letter Dated October, 10, 2007

one Member on the premises of andrages of the owned and maintained by the Member installing such equipment. Upon termination of this agreement the Member owning such metering equipment shall remove it from the premises of the other Member. Authorized representatives of any Member shall have access at all reasonable hours to the premises where the meters are located and to the records made by the meters.

8.5 The aforesaid metering equipment shall be tested by the owner at suitable intervals and its accuracy of registration maintained in accordance with good practice. On request of any Member, special tests shall be made at the expense of the Member requesting such special test.

8.6 If on any test of metering equipment, an inaccuracy shall be disclosed exceeding two percent, the account between the Members for service theretofore delivered shall be adjusted to correct for the inaccuracy disclosed over the shorter of the following two periods: (1) for the thirty-day period immediately preceding the day of the test or (2) for the period that such inaccuracy may be determined to have existed. Should the metering equipment as hereinabove provided for fail to register at any time, the electric power and energy delivered shall be determined from the check meters, if installed, or otherwise shall be determined from the best available data.

ARTICLE 9

RECORDS AND STÄTEMENTS

9.1 In addition to meter records to be kept by the Members as provided under Article 8, the Members shall keep in duplicate such log sheets and other records as may be needed to afford a clear history of the various deliveries of electric power and energy made pursuant to the provisions of this agreement. The

- 27 -

Kentucky Power Company Period of May 2007 - Revised

| Line No. | Description | As Filed | Revised | Benefit to the Customer |
|-------------|-------------------------------------|----------------|----------------------|-------------------------------|
| (1) | Fuel Costs | 10,896,965 (A) | 10,906,930 (B) | (9,965) |
| (2) | Customer's Share of System Sales | 412,452 | 293,414 * | (119,038) (C) |
| (3) | Environmental Surcharge | 949,835 | 754,757 * | 195,078 (D) |
| (4) | Total | 12,259,252 | 11,955,10 1 * | 66,075 |

- * There was a small change to the SO2 Emission Allowance Inventory which resulted in a \$1,708 increase in the environmental revised costs. This in turn changed the environmental costs applicable to System Sales, which revised the Customer's Share of System Sales amount by a \$390 decrease from what was handed out during the September 19, 2007 informal conference.
- (A) See Page 5 of 33
- (B) See Page 9 of 33
- (C) See Page 10 of 33, Line 8
- (D) See Page 11 of 33

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 2 of 34

Kentucky Power Company Period of May 2007

| | As Filed | Revised | Benefit to the Customer |
|-------------------------------------|------------|------------|-------------------------------|
| Fuel Costs | 10,896,965 | 10,906,930 | (9,965) |
| Customer's Share of System Sales | 412,452 | 293,804 | (118,648) |
| Environmental Surcharge | 949,835 | 753,049 | 196,786 |
| Total | 12,259,252 | 11,953,783 | 68,173 |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 3 of 34

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE May 2007

TRANSACTION TYPES *

| F | FIRM |
|------------|-------------------------------|
| LT-CAP | LONG TERM CAPACITY |
| L-TERM | LIMITED TERM |
| S-TERM | SHORT TERM |
| PRE | PRE-SCHEDULED |
| RESCAP | RESERVED CAPACITY |
| ARS-EMRG | AUTO RESERVE SHARING - EMERG. |
| EXP-CONG | EXPLICIT CONGESTION |
| IMP-CONG | IMPLICIT CONGESTION |
| SPOT-ENG | PJM MARKET SPOT ENERGY |
| ND | NON-DISPLACEMENT |
| SUPP | SUPPLEMENTAL (OVEC) |
| EMERG | EMERGENCY |
| CMP-UPR | UNIT POWER |
| NF | NON-FIRM |
| PKPWR | PEAKING POWER |
| CCS;COALPH | COAL CONVERSION SVC. |
| GENLOS | GENERATION LOSS |
| BKI-EXCS | BUCKEYE EXCESS POWER |
| U-ENERGY | UNIT ENERGY |

OTHER

| HR | HOURLY |
|----|----------|
| DY | DAILY |
| WK | WEEKLY |
| MO | MONTHLY |
| YR | YEAR |
| PH | PHYSICAL |

* Due to voluminous transactions, they are aggregated by type rather that by interconnected utility.

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 4 of 34

| PURCHASES | | BILLING COMPONENTS | | | | |
|-----------------------------|-----------------------|--------------------|--------|------------------|------------------|--|
| TRANSACTION TYPE | MWH | FUEL CHARGE | DEMAND | OTHER CHARGES | TOTAL CHARGES | |
| | | (\$) | (\$) | (\$) | (\$) | |
| DY-2F | 29,568 | 1,057,308.72 | 0.00 | 264,323.57 | 1,321,632.29 | |
| HR-2NF | 795 | 46,437.35 | 0.00 | 9,147.17 | 55,584,52 | |
| EXP-CONS | 0 | 0.00 | 0.00 | 2,561.13 | 2,56113 | |
| IMP-CONS | 0 | 0.00 | 0.00 | 373,772.42 | 373,772.42 | |
| SPOT-ENG | 34,064 | 1,300,587.97 | 0.00 | 325,146,01 | 1,625,733.98 | |
| DY-F | 128 | 6,277.92 | 0.00 | 1,569.44 | 7,847.36 | |
| DY-NF | 236 | 11,510.57 | 0.00 | 2,877.68 | 14,388.25 | |
| HR-NF | 3.827 | 145,398.08 | 0.00 | 36,349.18 | 181,747.26 | |
| | 68,618 ⁽¹⁾ | 2,567,520.61 | 0.00 | 1,015,746.60 | 3,583,267.21 | |
| AEP POOL PRIMARY PURCHASES: | 188,367 • | 2,501,037.00 | 0.00 | 436,870.00 | 2,937,907.00 | |
| INTERRUPTIBLE BUY/THROUGH | | | | | | |
| (AEP AFF. COS.) | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| BOOKOUTS/OPTIONS: | 271,660 | 0.00 | 0.00 | 10,129,459.00 | 10,129,459.00 | |
| TOTALS: | 528,645 | 5,068,557.61 | 0.00 | 11,582,075.60 | 16,650,633.21 | |

| | <u>wwh</u> | Total Energy Charges |
|---|------------|----------------------|
| (1) ALLOCATED TO SYSTEM SALES: | 65,575 | 3,225,197.66 |
| ALLOCATED TO INTERNAL CUSTOMERS: | 3,043 | 358,069.55 |
| | 68,618 | 3,583,267.21 |
| LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE: | 0 | 314,378.49 |
| NET INCLUDABLE ENERGY CHARGES: | 68,618 | 3,268,888.72 |

NOTE:

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IN THE ABOVE TRANSACTIONS THERE WERE NO PURCHASES AS A RESULT OF FORCED OUTAGES AT BIG SANDY PLANT.

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 5 of 34

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007

| | - | | | BILLING COMPON | VENTS | |
|---|---------------------|-------------------|----------------------------|----------------|-----------------|--------------|
| SALES | KPCO MLR | SUPPLIED BY KPCO | | | | |
| | SHARE OF | SOUR | | | | |
| TRANSACTION | DELIVERED | | FUEL | | OTHER | TOTAL |
| TYPE | MWH . | MWH | CHARGE | DEMAND | CHARGES | CHARGES |
| | | | (\$) | (\$) | (\$) | (\$) |
| LT-CAP | 11,466 | B,412 | 149,812.10 | 230,256.00 | 42,120.19 | 422,188.2 |
| RESCAP | D | 0 | 0.00 | 18,051,77 | 0.00 | 18,051.7 |
| DV-2F | 102,366 | 73,212 | 1,902,253,81 | 0.00 | 3,224,275.93 | 5,126,529.7 |
| DY-2NF | 0 | 90 | 4,549,68 | 0.00 | 3,971.36 | B,521.0 |
| CMP-UPR | 0 | D | 0,00 | 43,992.00 | 0,00 | 43,992.0 |
| SPOT-ENG | 61,731 | 46,665 | 1,529,631,07 | 0.00 | 923,313.74 | 2,452,944.8 |
| MO-F | 32,934 | 22,739 | 418,080.90 | 389,056,74 | 712,981,23 | 1,520,118.8 |
| DY-F | 816 | 736 | 23,397.02 | 0.00 | 31,969,38 | 55,366.4 |
| DY-NF | 9,102 | 4,893 | 138,962.43 | 0,00 | 228,869.36 | 367,831.7 |
| HR-NF | 2,164 | 1,348 | 52,123.72 | 0.00 | 61,223,10 | 113,346.8 |
| GENLOS | 7 | 1 | 64.46 | 0.00 | (64.46) | 0,0 |
| BKI-EXCS | <u>235</u> | <u>238</u> | 16,187.38 | 0.00 | <u>4,548.04</u> | 20,735,4 |
| | 220,821 | 158,334 | 4,200,635.17 ⁽¹ | 681,356.51 | 5,267,635.27 | 10,149,626.9 |
| AEP POOL SALES (PRIMARY/ECONOMY) | 0 | 58,971 | 1,188,247.00 | 0.00 | 243,067.00 | 1,431,314.0 |
| NTERRUPTIBLE BUY/THROUGH AEP AFF. CO./KY EL STEEL) | 0 | 17 | 975.00 | 0.00 | 254.00 | 1,229.0 |
| ookouts/options: | 304,969 | O | 0.00 | 0.00 | 10,541,925.00 | 10,541,925.0 |
| FOTALS: | 525,790 | 217,322 | 5,389,857.17 | 681,356.51 | 16,052,BB1.27 | 22,124,094.9 |
| PCo's other costs incurred, (other | than fuel from A | ccount 151): | | | | 1,176,890.9 |
| PCo's MLR share of AEP energy c | est less the actual | l energy costs in | curred by KPCa: | | | 2,214,910.5 |
| PCo's MLR share of the differenc | e (Total AEP ener | gy charges - Tot | al AEP energy costs |): | | 1,875,833.8 |
| Total (Other Charges): | | | | | | 5,267,635.2 |

⁽¹⁾ Includes (\$34,427.40) adjustment for chemicals carried over to Other Charges.

KPSC Case No. 2006-00507 FINAL SCHEDULE MAY 2007 COSTS - ACTUAEtter Dated October 10, 2007 Attachment 2 Page 6 of 34

KENTUCKY POWER COMPANY FUEL COST SCHEDULE MONTH ENDED: MAY 2007

| FUEL CUST SCHEDULE | | | | | |
|--|--------------|------------------|-----------|----|---------------------|
| MONTH ENDED: MAY 2007 | | | | | FUEL |
| | BIG SANDY | ROCKPORT | ROCKPORT | | AMOUNTS |
| (A) COMPANY GENERATION | (PLANT) | | UNIT #2 | - | (\$) |
| COAL BURNED | 8,537,426.25 | 2,289,020.00 | 0.00 | | 10,826,446.25 |
| OIL BURNED | 302,589.19 | 80,480.00 | 0.00 | | 383,069.19 |
| GAS BURNED | 002,007.27 | | •••• | _ | |
| FUEL (JOINTLY OWNED PLANT) | | | | | |
| FUEL (ASSIGNED COST DURING F.O.) | | | | | |
| (0 × 0.000) | | | | | 0,00 |
| FUEL (SUBSTITUTE FOR F.O.) | | | | | |
| SUB-TOTAL | | | | | 11,209,515.44 |
| (B) PURCHASES | | | | | |
| NET ENERGY COST - ECONOMY PURCHASES | | | | | 0.00 |
| | | | | | 5,769,925.72 |
| ⁽¹⁾ IDENTIFIABLE FUEL COST - OTHER PURCHASES IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O. | ١ | | | | J,I UJ, EUJ, EUJ, E |
| IDENTIFIABLE OCC COST (SOBSTITUTE OKT.O. | ., | | | | |
| (0×0.000) | | | | | 0.00 |
| SUB-TOTAL | | | | | 5,769,925.72 |
| (C) INTER-SYSTEM SALES | | | | | |
| ⁽¹⁾ FUEL COSTS | | | | | 6,082,476.16 |
| TOTAL FUEL COSTS (A + B - C) | | | | | 10,896,965.00 |
| F.O. = FORCED OUTAGE | | | | | |
| DETAILS: | | | | | |
| FUEL (ASSIGNED COST DURING F.O.) | | | | | |
| QUANTITY OF SUBSTITUTE ENERGY GIVEN AN A. AT THE BIG SANDY FUEL RATE OF: | SSIGNED COST | (Kwh): 20.509 | MILLS/KWH | \$ | 0 0,00 |
| IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O. | .) | | | | • |
| PURCHASES SUBSTITUTED FOR F.O.: | | | | | |
| PRIMARY ENERGY (AEP POOL) 00,000,000 | kWH | 13.277 | MILLS/KWH | , | 0,00 |
| CASH PURCHASES FROM NON-AFFILIATED COS. | 0 kWH | | MILLS/KWH | \$ | 0.00 |
| TOTAL PURCHASES (IDENTIFIABLE FUEL COST) | | | | | |
| (SUBSTITUTE FOR F.O.): | Kwh | 13.277 | MILLS/KWH | \$ | 0.00 |
| · · · · | | | | | |

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(1) INCLUDES TOTAL ENERGY COSTS OF NON-ECONOMY PURCHASES AS PER KPSC ORDER OF OCTOBER 3, 2002 TN CASE NO. 2000-00495-B.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 KENTUCKY POWER4COMPANY POWER TRANSACTION SCHEDULE May 2007

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(FINAL)

07/19/07

TRANSACTION TYPES *

| F | FIRM |
|------------|-------------------------------|
| LT-CAP | LONG TERM CAPACITY |
| L-TERM | LIMITED TERM |
| S-TERM | SHORT TERM |
| PRE | PRE-SCHEDULED |
| RESCAP | RESERVED CAPACITY |
| ARS-EMRG | AUTO RESERVE SHARING - EMERG. |
| EXP-CONG | EXPLICIT CONGESTION |
| IMP-CONG | IMPLICIT CONGESTION |
| SPOT-ENG | PJM MARKET SPOT ENERGY |
| ND | NON-DISPLACEMENT |
| SUPP | SUPPLEMENTAL (OVEC) |
| EMERG | EMERGENCY |
| CMP-UPR | UNIT POWER |
| NF | NON-FIRM |
| PKPWR | PEAKING POWER |
| CCS;COALPH | COAL CONVERSION SVC. |
| GENLOS | GENERATION LOSS |
| BKI-EXCS | BUCKEYE EXCESS POWER |
| U-ENERGY | UNIT ENERGY |

OTHER

| HR | HOURLY |
|----|----------|
| DY | DAILY |
| WK | WEEKLY |
| MO | MONTHLY |
| УR | YEAR |
| PH | PHYSICAL |
| | |

* Due to voluminous transactions, they are aggregated by type rather that by interconnected utility.

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007

| POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007 | | KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 8 of 34 BTH TNG COMPONENTS | | | | |
|---|-----------------------|---|---------------|------------------|-------------------|--|
| PURCHASES | • | | BILLING COMPC | NEN 15 | | |
| TRANSACTION | | FUEL | | OTHER | TOTAL | |
| туре | MWH | CHARGE | DEMAND | CHARGES | CHARGES | |
| | | (\$) | (\$) | (\$) | (\$) | |
| DY-2F | 22,303 | 973,675.60 | 0.00 | 243,415.58 | 1,217,091.18 | |
| HR-2NF | 729 | 42,764.16 | 0.00 | 8,423.63 | 51,187.78 | |
| EXP-CONG | 0 | 0.00 | 0.00 | 2,358.54 | 2,358.54 | |
| IMP-CONG | 0 | 0.00 | 0.00 | 344,207.02 | 344,207.02 | |
| SPOT-ENG | 31,364 | 1,197,711.46 | 0.00 | 299,426.96 | 1,497,138.42 | |
| DY-F | 96 | 5,781.34 | 0.00 | 1,445.30 | 7,226.63 | |
| DY-NF | 220 | 10,600.08 | 0.00 | 2,650.06 | 13,250.14 | |
| HR-NF | <u>3,437</u> | 133,897.09 | 0.00 | <u>33,473.96</u> | <u>167,371.05</u> | |
| | 58,149 ⁽¹⁾ | 2,364,429.73 | 0.00 | 935,401.04 | 3,299,830.77 | |
| AEP POOL PRIMARY PURCHASES: | 188,626 + | 2,504,387.00 | 0.00 | 437,613.00 | 2,942,000.00 | |
| INTERRUPTIBLE BUY/THROUGH | | | | | | |
| (AEP AFF. COS.) | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| BOOKOUTS/OPTIONS: | 250,172 | 0.00 | 0.00 | 9,328,218.79 | 9,328,218.79 | |
| TOTALS: | 496,947 | 4,868,816.73 | 0.00 | 10,701,232.84 | 15,570,049.57 | |

| | <u>MWH</u> | <u>Total Energy Charges</u> |
|---|------------|-----------------------------|
| (1) ALLOCATED TO SYSTEM SALES: | 55,426 | 2,970,084.53 |
| ALLOCATED TO INTERNAL CUSTOMERS: | 2,723 | 329,746.25 |
| | 58,149 | 3,299,830,77 |
| LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE: | 0 | 289,511.15 |
| NET INCLUDABLE ENERGY CHARGES: | 58,149 | 3,010,319.62 |

NOTE:

IN THE ABOVE TRANSACTIONS THERE WERE NO PURCHASES AS A RESULT OF FORCED OUTAGES AT BIG SANDY PLANT.

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 9 of 34

| MONTH ENDED: MAY 2007 | | BILLING COMPONENTS | | | | | | | | |
|---|-----------------------|--------------------|-----------------------------|------------|------------------|------------------|--|--|--|--|
| SALES | KPCO MLR | SUPPLIED | BY KPCO | | | | | | | |
| | SHARE OF | SOUR | | | | | | | | |
| TRANSACTION | DELIVERED | | FUEL | | OTHER CHARGES | TOTAL CHARGES | | | | |
| TYPE | <u>MWH</u> | MWH | CHARGE | DEMAND | (\$) | (\$) | | | | |
| | | | (\$) | (\$) | (<i>Ф</i>) | (4) | | | | |
| LT-CAP | 10,416 | 8,336 | 149,812.10 | 212,042.75 | 38,788.48 | 388,793.20 | | | | |
| RESCAP | 0 | 0 | 0.00 | 16,623,87 | 0.00 | 16,623.87 | | | | |
| DY-2F | 89,525 | 70,035 | 1,902,253.81 | 0.00 | 2,969,235.70 | 4,721,021.24 | | | | |
| DY-2NF | 0 | 98 | 4,549.68 | 0.00 | 3,657.23 | 7,847.03 | | | | |
| CMP-UPR | 0 | 0 | 0.00 | 40,512.23 | 0.00 | 40,512.23 | | | | |
| SPOT-ENG | 56,845 | 40,967 | 1,529,631.07 | 0.00 | 850,279.62 | 2,258,916.88 | | | | |
| MO-F | 29,861 | 22,351 | 418,080.90 | 358,282.35 | 656,584.41 | 1,399,877.47 | | | | |
| DY-F | 688 | 675 | 23,397.02 | 0.00 | 29,440.60 | 50,986.92 | | | | |
| DY-NF | 8,342 | 4,465 | 138,962.43 | 0.00 | 210,765.79 | 338,736.30 | | | | |
| HR-NF | 1,930 | 1,054 | 52,123.72 | 0.00 | 56,380.35 | 104,381.09 | | | | |
| GENLOS | 7 | 1 | 64.46 | 0.00 | (59.36) | 0.00 | | | | |
| BKI-EXCS | 219 | <u>203</u> | <u>16,187.38</u> | 0.00 | <u>4,188.29</u> | 19,095.25 | | | | |
| | 197,833 | 148,185 | 4,200,635.17 | 627,461.21 | 4,853,688.53 | 9,346,791.46 | | | | |
| Includes Purchase Adju | istment see Note 2 | 148,185 | 4,000,308.20 (1) | | | | | | | |
| | | 0 | (200,326.97) ⁽²⁾ | | | | | | | |
| AEP POOL SALES (PRIMARY/ECONOMY) | 0 | 58,421 | 1,178,176.00 | 0.00 | 241,337.00 | 1,419,513.00 | | | | |
| INTERRUPTIBLE BUY/THROUG (AEP AFF. CO./KY EL. STEEL) | GH 0 | 17 | 975.00 | 0.00 | 254.00 | 1,229.00 | | | | |
| SOOKOUTS/OPTIONS: | 280,846 | 0 | 0.00 | 0.00 | 9,708,058.73 | 9,708,058.73 | | | | |
| TOTALS: | 478,679 | 206,623 | 5,179,459.20 | 627,461.21 | 14,803,338.26 | 20,475,592.19 | | | | |
| KPCo's other costs incurred, (otl | her than fuel from Ac | count 151): | | | | 1,086,522.07 | | | | |
| KPCo's MLR share of AEP energy | cost less the actual | energy costs ir | ncurred by KPCo: | | | 2,039,711.0B | | | | |
| KPCo's MLR share of the differe | | | |): | | 1,727,455.38 | | | | |
| te de o Miller alter e et tite el tore | | 4 | | - | | | | | | |
| Total (Other Charges): | | | | | | 4,853,688.53 | | | | |

⁽¹⁾ Includes (\$34,427,40) adjustment for chemicals carried over to Other Charges.

⁽²⁾ Purchases allocated to sales adjustment due to change is MLR.

Letter Dated October 10, 2007

Attachment 2 Page 10 of 34

KENTUCKY POWER COMPANY FUEL COST SCHEDULE MONTH ENDED: MAY 2007

| | FUEL COST SCHEDULE | | | | | |
|-----|---|----------------------------|---------------------------|------------------------|----|-----------------------------|
| | MONTH ENDED: MAY 2007 | BIG SANDY | ROCKPORT | ROCKPORT | | FUEL AMOUNTS |
| | (A) COMPANY GENERATION | (PLANT) | UNIT #1 | UNIT #2 | | (\$) |
| | COAL BURNED OIL BURNED GAS BURNED | 8,537,426.25 302,589.19 | 2,289,020.00 80,480.00 | 0.00 0.00 | | 10,826,446.25 383,069.19 |
| | FUEL (JOINTLY OWNED PLANT) FUEL (ASSIGNED COST DURING F.O.) (0 × 0.000) FUEL (SUBSTITUTE FOR F.O.) | | | | | 0.00 |
| | SUB-TOTAL | | | | | 11,209,515.44 |
| | (B) PURCHASES | | | | | |
| (1) | NET ENERGY COST - ECONOMY PURCHASES IDENTIFIABLE FUEL COST - OTHER PURCHASES IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.) | , | | | | 0.00 5,514,706.62 |
| | (0 × 0.000) | | | | | 0.00 |
| | SUB-TOTAL | | | | | 5,514,706.62 |
| | (C) INTER-SYSTEM SALES | | | | | |
| (1) | FUEL COSTS | | | | | 5,817,292.03 |
| | TOTAL FUEL COSTS (A + B - C) | | | | | 10,906,930.04 (<u>Å</u> |
| | F.O. = FORCED OUTAGE | | | | | |
| | DETAILS: FUEL (ASSIGNED COST DURING F.O.) | | | | | |
| | QUANTITY OF SUBSTITUTE ENERGY GIVEN AN AS AT THE BIG SANDY FUEL RATE OF: | SIGNED COST (| (Kwh): 20.509 | MILLS/KWH | \$ | 0 0.00 |
| | IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.) PURCHASES SUBSTITUTED FOR F.O.: | | | | | |
| | PRIMARY ENERGY (AEP POOL) 00,000,000 CASH PURCHASES FROM NON-AFFILIATED COS. 0 | kWH kWH | 13.277 | MILLS/KWH MILLS/KWH | - | 0.00 0.00 |
| | TOTAL PURCHASES (IDENTIFIABLE FUEL COST) (SUBSTITUTE FOR F.O.): | Kwh | 13.277 | MILLS/KWH | \$ | 0.00 |

⁽¹⁾ INCLUDES TOTAL ENERGY COSTS OF NON-ECONOMY PURCHASES AS PER KPSC ORDER OF OCTOBER 3, 2002 IN CASE NO. 2000-00495-B.

Revised - 09/20/2007

KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE SCHEDULE & NET REVENUE

| | | | | | | KPS0 Letter | Dated (Attac | No. 2(Octob hmen 11 of | 006-00507 er 10, 2007 t 2 II 34 NJ III III | (\$817,692) | 0 | (817,692) | (\$557,505) | 0 | (90,133) | (647,638) | (\$170,054) |
|--------------------------------|----------------|-------------|--|----------------------------|--|---|---|----------------------------------|---|---------------------------|--------------------------------|-----------------------------|---------------------------|--------------------------------|---|-----------------------------|---------------------------------|
| | | | | | | | | AS FILED | TOTAL | \$10,342,695 | 0 | 10,342,695 | \$7,051,690 | 0 | 336,225 | 7,387,915 | \$2,954,780 |
| | | | | | | | | AS FILED | PRIOR MO. TRUE-UP ADJUSTMENT | (\$29,262) | 0 | (29,262) | \$166,204 | 0 | 0 | 166,204 | (\$195,466) |
| | | | | | | (C) | | AS FILED | CURRENT MONTH | \$10,371,957 | 0 | 10,371,957 | \$6,885,486 | 0 | 336,225 | 7,221,711 | \$3,150,246 |
| | May 2007 | DIFFERENCE | (\$170,054) \$0 | (\$170,054) \$0 | (\$170.054) 70% | (\$119,038) | | REVISED | TOTAL | \$9,525,003 | 0 | 9,525,003 | \$6,494,185 | D | 246,092 | 6,740,277 | \$2,784,726 |
| STSTEW SALES CLAUSE SOUTH VIEW | Month Ended: 1 | AS FILED | \$2,954,780 \$0 | \$2,954,780 \$2,365,563 | \$589,217 70% | \$412,452 | | REVISED | PRIOR MO. TRUE-UP ADJUSTMENT | (\$29,262) | 0 | (29,262) | \$166,204 | 0 | 0 | 166,204 | (\$195,466) |
| OTOLEW GALE | R | REVISED | | \$2,784,726 \$2,365,563 |) \$419,163) 70% |) \$293,414 | | REVISED | CURRENT MONTH | \$9,554,265 | 0 | 9,554,265 | \$6,327,981 | 0 | \$246,092 | 6,574,073 | \$2,980,192 |
| | | | Current Month (TM) Net Revenue Level @ 70% | 1 + Ln 2) nue Level | Increase/(Decrease) of System Sales Net Revenue (Ln 3 - Ln 4) Customer 70% Sharing (X) | Customer 60% Sharing Customer Share of Increase/(Decrease) in System Sales Net Revenue (Ln 5 * Ln 7) Current Month (Sm) Sales level (Pg 3) | System Sales Clause Factor - \$/NWII (Ln 8 / Ln 9) | | | Sales For Resale Revenues | Interchange-Delivered Revenues | Total System Sales Revenues | Sales For Resale Expenses | Interchange-Delivered Expenses | Non-Associated Utilities Monthly Environmental Costs * | Total System Sales Expenses | Total System Sales Net Revenues |
| | | Line No. | , (| N 69 4 | ບບ | 8 0 | 10 | | Line No. | | 2 | ന | 4 | ស | 9 | 7 | 8 |

Revised - 09/20/2007

KPSC Case No. 2006-00507

Letter Dated October 10, 2007 KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGEIRER/PET CALCULATION OF E(m) and SURCHARGE FACTPEge 12 of 34 For the Expense Month of May 2007

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| | <u>CALCULATION OF E(m)</u> E(m) ≈ CRR - BRR | Revised Amount | Amount Filed | Difference |
|---------|--|-------------------|-----------------|-------------|
| LINE 1 | CRR from ES FORM 3.00 | \$2,613,486 | \$2,915,796 | (\$302,310) |
| LINE 2 | Brr from ES FORM 1.10 | \$1,514,859 | \$1,514,859 | \$D |
| LINE 3 | E(m) (LINE 1 - LINE 2) | \$1,098,627 | \$1,400,937 | (\$302,310) |
| LINE 4 | Kentucky Retail Jurisdictional Allocation Factor, from ES FORM 3.30, Schedule of Revenues, LINE 1 | 68.7% | 67.8% | 0.9% |
| LINE 5A | KY Retail E(m) (LINE 3 * LINE 4) | \$754,757 | \$949,835 | (\$195.078) |
| LINE 5B | Monthly Increase in Jurisdictional Environmental Revenue Requirement per Case No. 2006-00128, dated January 31, 2007 | \$95,494 | \$95,494 | \$D |
| LINE 6 | Over/(Under) Recovery Adjustment from ES FORM 3.30 | (\$168,809) | (\$168,809) | \$0 |
| LINE 7 | Net KY Retail E(m) (LINE 5A + LINE 5B + LINE 6) | \$681,442 | \$876,520 | (\$195,078) |
| | SURCHARGE FACTOR | | | |
| LINE 8 | Net KY Retall E(m) (Line 7) | \$681,442 | \$876,520 | (\$195,078) |
| LINE 9 | KY Retail R(m) from ES FORM 3.30 | \$28,451,204 | \$28,451,204 | \$0 |
| LINE 10 | Environmental Surchage Factor for Expense Month (Line 8 / LINE 9) | 2.3951% | 3.0808% | -0.6857% |

Effective Date for Billing:

Submitted By :

Title :

Director Regulatory Services

Date Submitted :

| Note: Total Environmental Cost | Amount \$1,098,627 | Percentage of Revenues | Amount \$1,400,937 | Percentage of Revenues | Difference (\$302,310) |
|--|-----------------------|---------------------------|-----------------------|---------------------------|---------------------------|
| Kentucky Retail Revenues | \$754,757 | 68.7% | \$949,835 | 67.8% | (\$195.078) |
| FERC Wholesale Revenues | \$13,184 | 1.2% | \$15,410 | 1.1% | (\$2,226) |
| Associated Utilities Revenues | \$84,594 | 7.7% | \$99,467 | 7.1% | (\$14,873) |
| Non-Assoc. Utilities Revenues (Off System Sales) | \$246,092 | 22.4% | \$336,225 | 24.0% | (\$90,133) |
| Total | \$1,098,627 | 100.0% | \$1,400,937 | 100.0% | (\$302,310) |

(D)

(D)

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 13 of 34

ES FORM 1.10

4

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT BASE PERIOD REVENUE REQUIREMENT For the Expense Month of May 2007

MONTHLY BASE PERIOD REVENUE REQUIREMENT

| Billing Month | Base Net Environmental Costs |
|---|---|
| JANUARY FEBRUARY MARCH APRIL MAY JUNE JULY AUGUST SEPTEMBER OCTOBER NOVEMBER DECEMBER TOTAL | \$2,531,784 3,003,995 2,845,066 2,095,535 1,514,859 1,913,578 2,818,212 2,342,883 2,852,305 2,181,975 2,598,522 1,407,969 \$28,106,683 ========= |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 14 of 34 KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT For the Expense Month of May 2007

CALCULATION OF CURRENT PERIOD REVENUE REQUIREMENT

| LINE NO. | COMPONENTS | | |
|-------------|--|------------|-------------|
| 1 | First Component: Associated with Big Sandy Plant ((RB KP(C)) (ROR KP(C)/12)) + OE KP(C) ES FORM 3.10, Line 20 | | \$2,895,585 |
| 2 | Second Component: Associated with Rockport Plant [((RB IM(C)) (ROR IM(C)/12)) + OE IM(C) ES FORM 3.20, Line 12 | | \$48,438 |
| | Third Component: Net Proceeds from Emission Allowances Sales AS 1) SO2 - EPA Auction Proceeds received during Expense Month | \$0 | |
| | SO2 - Net Gain or (Loss) from Allowance Sales, in compliance with the AEP Interim Allowance Agreement, received during Expense Month | \$330,537 | |
| | Total Net Proceeds from SO2 Allowances | \$330,537 | |
| | 1) NOx - ERC Sales Proceeds, received during Expense Month | \$0 | |
| | 2) NOx - EPA Auction Proceeds, received during Expense Month | \$0 | |
| | NOx - Net Gain or Loss from NOx Allowances Sales, received during Expense Month | \$0 | |
| | Total Net Proceeds from NOx Allowances | \$0 | |
| 3 | Total Net Gain or (Loss) from Emission Allowance Sales | 4, <u></u> | \$330,537 |
| 4 | Total Current Period Revenue Requirement, CRR Record on ES FORM 1.00. | | \$2,613,486 |

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 CURRENT PERIOD REVENUE REQUIREMENT COSTS ASSOCIATED WITH BIG SANDY

| LINE | | | |
|---------|---|----------------|---------------------|
| NO. | COST COMPONENT | | |
| | Return on Rate Base : | | |
| | | \$191,086,055 | |
| | Utility Plant at Original Cost | (\$34,229,909) | |
| 2 | Less Accumulated Depreciation | (\$33,572,199) | |
| 3 | Less Accum. Def. Income Taxes | (\$33,572,183) | \$123,283,947 |
| 4 | Net Utility Plant | | \$11,701,731 |
| 5 | SO2 Emission Allowance Inventory from ES FORM 3.11 | | \$0 |
| 6 | ECR & NOx Emission Allowance Inventory from ES FORM 3.12 | | \$100,469 |
| 7 | Cash Working Capital Allowance from ES FORM 3.13, Line11 | | \$135,086,147 |
| 8 | Total Rate Base | 10.15% | |
| 9 10 | Weighted Average Cost of Capital - ES FORM 3.15 Monthly Weighted Avg. Cost of Capital (9) / 12 | | 0.85% |
| | | | \$1,148,232 |
| 11 | Monthly Return of Rate Base (8) * (10) Operating Expenses : | | Ψ1, 140,202 |
| 12 | Monthly Depreciation Expense | | \$576,258 |
| 13 | Monthly Catalyst Amortization Expense | | \$46,030 |
| | Monthly Property Taxes | | \$15,153 |
| 14 | Monthly Kentucky Air Emissions Fee | | \$32,201 |
| 10 | Monthly Environmental AEP Pool Capacity Costs | | <i>\$02,201</i> |
| 16 | from ES FORM 3.14, Page 1 of 11, Column 5, Line 10 | | \$719,797 |
| | Monthly 2003 Plan Non-Fuel O&M Expenses from ES FORM 3.13 | | \$235,191 |
| 18 | Monthly SO2 Emission Allowance Consumption | | \$122,723 |
| 19 | Monthly ERC & NOx Emission Allowance Consumption | | \$0 |
| 20 | Total Operating Expenses [Line 12 thru Line 18] | | \$1,747,353 |
| 21 | Total Revenue Requirement - Big Sandy | | , |
| | Record on ES FORM 3.00, Line 1 | | \$2,895,585 |
| | | | • • • • • • • • • • |

Letter Dated October 10, 2007 Attachment 2 AMERICAN ELECTRIC POWER - ENVIRON Might Standar SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT SO2 EMISSIONS ALLOWANCE INVENTORY

KPSC Case No. 2006-00507

For the Expense Month of May 2007

| | (1) | (2) | (3) | (4) | (5) |
|-------------------------------------|-----------------|------------|-----------------|--|--------------|
| | Allowance | | | | |
| | Activity in | Cumulative | Dollar Value of | | Weighted |
| | Month | Balance | Activity | Dollar Balance | Average Cost |
| | | 754 609 | | \$4,685,726 | \$6.209 |
| BEGINNING INVENTORY | | 754,608 | | \$4,005,720 | φ0.209 |
| Additions - EPA Allowances | 0 | 298,425 | \$0 | \$0 | \$0.000 |
| Gavin Reallocation | 0 | 62,114 | \$0 \$0 | \$0 \$0 | \$0.000 |
| P & E Transfers in | 0 | 325,869 | \$0 | \$4,725,223 | \$14.500 |
| Intercompany Purchases | 0 | 20,657 | \$0 \$0 | \$3,212,441 | \$155.513 |
| Other (List) | ů 0 | 428,624 | \$0 | \$67,006,514 | \$156.329 |
| SO2 Emissions Allowance | Ŭ | 120,021 | ÷- | <i>•••••••••••••••••••••••••••••••••••••</i> | ••••• |
| Adjustment | 0 | 4 | \$0 | \$0 | \$0.000 |
| | - | | | • | |
| Withdrawals - | | | | | |
| P & E Transfers Out | 0 | 9,038 | \$0 | \$775,253 | \$85.777 |
| Intercompany Sales | 0 | 50,124 | \$0 | \$4,704,459 | \$93.856 |
| Off - System Sales | 690 | 292,308 | \$28,607 | \$29,573,207 | \$101.171 |
| SO2 Emissions Allowance | | | | | |
| Adjustment | 0 | 0 | \$0 | \$0 | \$0.000 |
| SO2 Emissions Allowances | | | | | |
| Consumed By Kentucky Power | 2,959 | 425,895 | \$122,723 | \$32,875,254 | \$77.191 |
| ENDING INVENTORY - Record | | | | | |
| Balance in Column (4) on | | | | | |
| ES FORM 3.10, Line 5 | | 1,112,936 | | \$11,701,731 | \$10.514 |
| | | | * | | |
| Expense Month Member Load Ratio for | or AEP/Kentucky | Power | | | 0.06896 |

Columns 1 and 2 -

Record the number of allowances in any transaction (purchase, sale, transfer) which occurred during the Expense Month. Multiple transactions for a given category are to be shown as the total activity for that category during the Expense Month. For each transaction shown in Column 1, update the cumulative balance in Column 2.

Columns 3 and 4 -

For each transaction reflected in Column 1, record the total dollars of the transaction. Multiple transaction for a given category are to be shown as the total dollar amount for that category during the Expense Month. For each transaction shown in Column 3, update the cumulative dollar balance in Column 4. Include transactions that total zero dollars. Record amounts in whole dollars.

Column 5 -

Compute the Weighted Average Cost by dividing the Cumulative Dollar Balance (Co. 4) by the corresponding Cumulative Balance (Col. 2). Perform this calculation for the Beginning Inventory, Ending Inventory and all additions and withdrawals made during the Expense Month. The Weighted Average Cost should be carried out to 3 decimal places.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 17 of 34

ES FORM 3.12

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT ECR and NOX EMISSIONS ALLOWANCE INVENTORY

For the Expense Month of May 2007

| | (1) Allowance Activity in Month | (2) Cumulative Balance | (3) Dollar Value of Activity | (4) Cumulative Dollar Balance | (5) Weighted Average Cost |
|--|--|------------------------------|------------------------------------|-------------------------------------|---------------------------------|
| BEGINNING INVENTORY Additions - | | 0 | | \$0 | 0.000 |
| EPA Allowances | 0 | 18,575 | \$0 | \$0 | |
| P&E Transfers In | 0 | 0 | | \$0 | |
| Intercompany Purchases | 0 | 0 | \$0 | \$0 | 0.000 |
| Other (List) Withdrawals - | 0 | 0 | \$0 | \$0 | 0.000 |
| P & E Transfers Out | 0 | 0 | \$0 | \$0 | 0.000 |
| Intercompany Sales | 0 | 0 | \$0 | \$0 | 0.000 |
| Off - System Sales | 0 | 1,650 | \$0 | \$0 | 0.000 |
| ERC Consumed By Kentucky Power | 0 | 930 | \$0 | \$0 | 0.000 |
| NOx Consumed By Kentucky Power | 449 | 7,562 | \$0 | \$0 | 0.000 |
| ENDING INVENTORY - Record Balance in Column (4) on ES FORM 3.10, Line 5 | | 8,433 | | \$0 | 0.000 |

Columns 1 and 2 -

Record the number of allowances in any transaction (purchase, sale, transfer) which occurred during the Expense Month. Multiple transactions for a given category are to be shown as the total activity for that category during the Expense Month. For each transaction shown in Column 1, update the cumulative balance in Column 2.

Columns 3 and 4 -

For each transaction reflected in Column 1, record the total dollars of the transaction. Multiple transaction for a given category are to be shown as the total dollar amount for that category during the Expense Month. For each transaction shown in Column 3, update the cumulative dollar balance in Column 4. Include transactions that total zero dollars. Record amounts in whole dollars.

Column 5 -

Compute the Weighted Average Cost by dividing the Cumulative Dollar Balance (Co. 4) by the corresponding Cumulative Balance (Col. 2). Perform this calculation for the Beginning Inventory, Ending Inventory and all additions and withdrawals made during the Expense Month. The Weighted Average Cost should be carried out to 3 decimal places.

Note : For any sale or transfer of ERCs or NOx emission allowances, attach to this report documentation showing the currently available market prices for similar ERC or NOx allowances.

| Total Early Reduction Credits (ERC) | 930 |
|---|------------|
| Consumed: June 2004 July 2004 | 420 510 |
| Total Consumed | 930 |
| Remaining Early Reduction Credits (ERC) | 0 |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 18 of 34

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT

For the Expense Month of May 2007

| LINE NO. | O&M Expenses | | |
|-----------------------------------|--|---|-------------------------------|
| 1 2 3 4 | 1997 Plan : Monthly Kentucky Air Emissions Fee Total Monthly AEP Pool Environmental Capacity Costs Monthly SO2 Allowance Consumption Total 1997 Plan O&M Expenses | \$32,201 \$413,639 <u>\$122,723</u> | \$568,563 |
| 5 6 7 8 9 10 11 | 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 Monthly ERC & NOx Allowance Consumption Equipment - Associated Operating Expenses Equipment - Associated Maintenance Expenses Total 2003 Plan O&M Expenses | \$0 \$207,116 \$0 \$1,059 <u>\$27,016</u> | <u>\$235,191</u> |
| 12 13 | Total Monthly O&M Expenses Cash Working Capital Allowance (Line 10 X 1/8) | | <u>\$803,754</u> \$100,469 |

Total Cost at Line 11 is to be recorded on ES FORM 3.10, Line 7.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 19 of 34

Kentucky Power Company Environmental Equipment Operation and Maintenance Costs May 2007

| Work Description | Material Costs | Outside Contract Labor | Misc Other Costs | Total Costs |
|---|----------------------|------------------------------|------------------------|----------------------|
| SCR Boiler Outlet Ductwork | \$662.50 | \$8,222.07 | \$0.00 | \$8,884.57 |
| SCR Instrument & Controls | \$1,509.68 | \$0.00 | \$0.00 | \$1,509.68 |
| SCR NOx Monitoring | \$1,274.78 | \$0.00 | \$0.00 | \$1,274.78 |
| SCR Booster Fan | \$1,078.82 | \$0.00 | \$0.00 | \$1,078.82 |
| Boiler Acoustic Horns | \$183.20 | \$0.00 | \$0.00 | \$183.20 |
| Ammonia Injection System | \$4,867.56 | \$0.00 | \$0.00 | \$4,867.56 |
| SCR Bypass Dampers | \$301.05 | \$0.00 | \$0.00 | \$301.05 |
| Total SCR May 2007 O & M Expense | \$9,877.59 | \$8,222.07 | \$0.00 | \$18,099.66 |
| Additional Operator Overtime During The Ozone Season | \$0.00 | \$0.00 | \$1,059.12 | \$1,059.12 |
| Emission Testing Required Under Permit - Operation Maintenance | \$0.00 \$8,916.10 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$8,916.10 |

May 2007 O & M Expenses Filed

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\$28,075

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ES FORM 3.14 Page 1 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT AEP POOL MONTHLY ENVIRONMENTAL CAPACITY COSTS

For the Expense Month of May 2007

| | | Ohio Power | Indiana Michigan Power | |
|------------|---|----------------------------|------------------------------|--------------|
| Line | | Company's Environmental | Company's Environmental | |
| No. (1) | Cost Component (2) | Cost to KPCo (3) | Cost to KPCo (4) | Total (5) |
| 1 | Amos Unit No. 3 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 3 of 11, Line 24) | \$58,626 | | |
| 2 | Cardinal Unit No. 1 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 4 of 11, Line 22) | \$55,369 | | |
| 3 | Gavin Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 5 of 11, Line 26) | \$491,807 | | |
| 4 | Kammer Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 6 of 11, Line 20) | \$3,257 | | |
| 5 | Mitchell Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 7 of 11, Line 21) | \$39,084 | | |
| 6 | Muskingum Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 8 of 11, Line 20) | \$58,626 | | |
| 7 | Sporn Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 9 of 11, Line 20) | \$9,771 | | |
| 8 | Rockport Plant Environmental to Kentucky Power (ES FORM 3.14, Page 10 of 11, Column 5, Line 21) | | \$0 | |
| 9 | Tanners Creek Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 11 of 11, Line 20) | | \$3,257 | |
| 10 | Total AEP Pool Monthly Environmental Capacity Costs to Kentucky Power | \$716,540 | \$3,257 | \$719,797 |

Note: Cost in Column 5, Line 10 is to be recorded on ES FORM 3.10, Line 16.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 21 of 34

ES FORM 3.14 Page 2 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT AEP POOL MONTHLY ENVIRONMENTAL CAPACITY COSTS WORKING CAPITAL ONLY

| Line No. (1) | Cost Component (2) | Ohio Power Company's (OPCo) Environmental Cost to KPCo (3) | Indiana Michigan Power Company's (I&M) Environmental Cost to KPCo (4) | Total (5) |
|--------------------|---|--|--|--------------|
| 1 | Amos Unit No. 3 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 3 of 11, Line 16) | \$351,974 | | |
| 2 | Cardinal Unit No. 1 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 4 of 11, Line 12) | \$207,911 | | |
| 3 | Gavin Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 5 of 11, Line 16) | \$10,090,115 | | |
| 4 | Kammer Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 6 of 11, Line 10) | \$18,033 | | |
| 5 | Mitchell Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 7 of 11, Line 11) | \$474,972 | | |
| 6 | Muskingum Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 8 of 11, Line 10) | \$161,202 | | |
| 7 | Sporn Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 9 of 11, Line 10) | \$13,368 | | |
| 8 | Rockport Plant Environmental to Kentucky Power (ES FORM 3.14, Page 10 of 11, Column 3, Line 10) | | \$12,500 | |
| 9 | Rockport Plant Environmental to Kentucky Power (ES FORM 3.14, Page 10 of 11, Columns 4 & 5, Line 10) | | \$0 | |
| 10 | Tanners Creek Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 11 of 11, Line 10) | | \$12,500 | |
| 11 | Subtotal | \$11,317,575 | \$25,000 | |
| 12 | Steam Capacity By Company - OPCo (Column 3) / I&M (Column 4) (kw) | 8,455,000 | 5,101,000 | |
| 13 | Environmental Base (\$/kw) | \$1.34 | \$0.00 | |
| 14 | Company Surplus Weighting | 95.00% | 5.00% | |
| 15 | Portion of Weighted Average Capacity Rate Attributed to Environmental Fixed O&M Costs | \$1.27 | \$0.00 | |
| 16 | Kentucky Power Capacity Deficit (kw) | 325,700 | 325,700 | |
| 17 | Fixed O&M Environmental Cost to Kentucky Power | \$413,639 | \$0 | \$413,639 |

ES FORM 3.14 Page 3 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - AMOS PLANT UNIT NO. 3

| LINE NO. | COST | AMOUNTS |
|-------------|--|----------------------|
| | | \$90,118,342 |
| 1 | Utility Plant at Original Cost | 490,118,342 1.37% |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | \$1,234,621 |
| 3 | Total Rate Base | 100.00% |
| 4 | Ohio Power Company's Percentage Ownership - Environmental Investment | \$1,234,621 |
| 5 | OPCo's Share of Cost Associated with Amos Unit No. 3 (3) X (4) | φ1,204,021 |
| | Operations : | \$0 |
| 6 | Disposal (5010000) | \$518,775 |
| 7 | Urea (5020002) | \$0 |
| 8 9 | Trona (5020003) Lime Stone (5020004) | \$0 \$0 |
| 9 10 | Air Emission Fee | \$9,160 |
| 11 | Total Operations (Lines 6 thru 10) | \$527,935 |
| | Maintenance : | + |
| 12 | SCR Maintenance (5120000) | \$0 |
| 13 | 1/2 of Maintenance (12) * 50% | \$0 |
| 14 | Fixed $O&M(11) + (13)$ | \$527,935 |
| 15 | Ohio Power Company's Percentage Ownership - O&M Cost | 66.67% |
| 16 | OPCo's Share of O&M Cost Associated with Amos Unit No. 3 (14) X (15) | \$351,974 |
| | Total Revenue Requirement, | |
| 17 | Cost Associated with Amos Unit No. 3 (5) + (16) | \$1,586,595 |
| 18 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 19 | Amos Unit No. 3 Environmental Rate (\$/kw) | \$0.19 |
| 20 | Ohio Power Surplus Weighing | 95.00% |
| 21 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Amos Unit No. 3 SCR (\$/kw) (19) * (20) | \$0.18 |
| | Amos Unit No. 3 Costs to Kentucky Power : | |
| 22 | Amos Unit No. 3 Portion (\$/kw) (21) | \$0.18 |
| 23 | Kentucky Power Capacity Deficit (kw) | <u>325,700</u> |
| | Amos Unit No. 3 Environmental Cost to Kentucky Power (22) * (23) | |
| 24 | (ES FORM 3.14, Page 1 of 10, Line 1) | \$58,626 |
| | | |

ES FORM 3.14 Page 4 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - CARDINAL UNIT 1

For the Expense Month of May 2007

| LINE NO. | COST | AMOUNTS |
|--------------|--|-----------------------|
| | | ¢07 205 100 |
| 1 | Utility Plant at Original Cost | \$97,295,190 1,27% |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | <u>1.37%</u> |
| 3 | Total Rate Base | \$1,332,944 |
| | Operations : | ¢0. |
| 4 | Disposal (5010000) | \$0 |
| 5 | Urea (5020002) | \$203,476 |
| 6 | Trona (5020003) | \$0 |
| 7 | Lime Stone (5020004) | \$0 |
| 8 | Air Emission Fee | <u>\$4,435</u> |
| 9 | Total Operations (Line 4 thru 8) | \$207,911 |
| | Maintenance : | |
| 10 | SCR Maintenance (5120000) | \$0 |
| 11 | 1/2 of Maintenance (10) * 50% | <u>\$0</u> |
| 12 | Fixed O&M (9) + (11) | <u>\$207,911</u> |
| 1 1 | Total Revenue Requirement, | |
| 13 | Cost Associated with Cardinal Unit No. 3 (3) + (12) | <u>\$1,540,855</u> |
| 14 | Ohio Power Company's Percentage Ownership | 100.00% |
| 15 | OPCo's Share of Cost Associated with Cardinal Unit No. 1 (13) X (14) | \$1,540,855 |
| 16 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 17 | Cardinal Unit No. 1 (\$/kw) | \$0.18 |
| 18 | Ohio Power Surplus Weighing | 95.00% |
| 19 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Cardinal Unit No. 1 (\$/kw) (17) X (18) | \$0.17 |
| | Cardinal Unit No. 1 Costs to Kentucky Power : | |
| 20 | Cardinal Unit No. 1 Portion (\$/kw) (19) | \$0.17 |
| 21 | Kentucky Power Capacity Deficit (kw) | 325,700 |
| · · · | Cardinal Unit No. 1 Environmental Cost to Kentucky Power (18) * (19) | |
| 22 | (ES FORM 3.14, Page 1 of 10, Line 2) | \$55,369 |
| | | |

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 24 of 34

ES FORM 3.14 Page 5 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - GAVIN PLANT (UNITS 1 & 2)

| 2 Member Primary Capacity Investment Rate (16.44% / 12) 3 Total Rate Base \$3,35 Operations : \$3,35 4 Sludge Disposal (5010000) \$63 5 Lime (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2,88 9 Air Emission Fee \$22 10 Lease (5070005) \$44,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : \$2 12 SCR Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$16 13 Scrubber Maintenance (12) + (13) \$74 14 Total Revenue Requirement, \$377 15 1/2 of Maintenance (13) * 50% \$377 16 Fixed O&M (11) + (15) \$10.09 Total Revenue Requirement, \$10 17 Cost Associated with Gavin Plant (3) + (16) \$13,44 18 Ohio Power Company's Percentage Ownership 10 19 OPCo's Share of Cost Associated with Gavin Plant (17) X (18) \$13,44 | JNTS |
|--|--------------|
| 2 Member Primary Capacity Investment Rate (16.44% / 12) 3 Total Rate Base \$3,35 Operations : \$3,35 4 Sludge Disposal (5010000) \$63 5 Lime (5020001) \$2,88 6 Urea (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : \$2 12 SCR Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$16 13 Scrubber Maintenance (12) + (13) \$74 14 Total Revenue Requirement, \$377 15 Fixed O&M (11) + (15) \$10.09 Total Revenue Requirement, \$10 17 Cost Associated with Gavin Plant (3) + (16) \$13,44 18 Ohio Power Company's Percentage Ownership 10 19 OPCo's Share of Cost Associated with Gavin Plant (17) X (18) \$13,44 20 <t< td=""><td></td></t<> | |
| 2 Member Primary Capacity Investment Rate (16.44% / 12) 3 Total Rate Base \$3,35 Operations : \$3,35 4 Sludge Disposal (5010000) \$63 5 Lime (5020001) \$2,88 6 Urea (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : \$12 \$CR Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$16 13 Scrubber Maintenance (12) + (13) \$74 14 Total Maintenance (12) + (13) \$17 15 1/2 of Maintenance (13) * 50% \$37 16 Fixed O&M (11) + (15) \$10.09 Total Revenue Requirement, \$10 17 Cost Associated with Gavin Plant (3) + (16) \$13,44 18 Ohio Power Company'S Percentage Ownership 10 | ,637,350 |
| 3 Total Rate Base \$3,35 Operations : \$ 4 Sludge Disposal (5010000) \$63 5 Lime (5020001) \$2,88 6 Urea (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : \$2 12 SCR Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$16 13 Scrubber Maintenance (12) + (13) \$74 14 Total Ravenue Requirement, \$377 15 Fixed O&M (11) + (15) \$10.09 Total Revenue Requirement, \$10 17 Cost Associated with Gavin Plant (3) + (16) \$13,44 18 Ohio Power Company's Percentage Ownership 10 19 OPCo's Share of Cost Associated with Gavin Plant (17) X (18) \$13,44 20 Ohio Power Surplus Weighing 9 23 Portion of | <u>1.37%</u> |
| 4 Sludge Disposal (5010000) \$63 5 Lime (5020001) \$2,88 6 Urea (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : ************************************ | ,351,532 |
| 5 Lime (5020001) \$2,88 6 Urea (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : \$9,71 12 SCR Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$58 14 Total Maintenance (12) + (13) \$74 15 1/2 of Maintenance (13) * 50% \$327 16 Fixed O&M (11) + (15) \$10.09 Total Revenue Requirement, \$10 17 Cost Associated with Gavin Plant (3) + (16) \$13,44 18 Ohio Power Company's Percentage Ownership 10 19 OPCo's Share of Cost Associated with Gavin Plant (17) X (18) \$13,44 20 Ohio Power Company Steam Capacity (kw) \$4,45 21 Gavin Plant (\$/kw) \$22 22 Ohio Power Surplus Weighing 9 23 Portion of Weighted Average Capacity Rate | |
| 6 Urea (5020002) \$1,47 7 Trona (5020003) \$43 8 Lime Stone (5020004) \$2 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : \$9 12 SCR Maintenance (5120000) \$16 13 Scrubber Maintenance (5120000) \$16 14 Total Maintenance (5120000) \$58 14 Total Maintenance (12) + (13) \$74 15 1/2 of Maintenance (13) * 50% \$37 16 Fixed O&M (11) + (15) \$10,09 Total Revenue Requirement, \$13,44 17 Cost Associated with Gavin Plant (3) + (16) \$13,44 18 Ohio Power Company's Percentage Ownership 10 19 OPCo's Share of Cost Associated with Gavin Plant (17) X (18) \$13,44 20 Ohio Power Company Steam Capacity (kw) \$4,45 21 Gavin Plant (\$/kw) 9 22 Ohio Power Surplus Weighing 9 23 Portion of Weighted Average Capacity Rate <td>639,259</td> | 639,259 |
| 7Trona (5020003)\$438Lime Stone (5020004)\$29Air Emission Fee\$210Lease (5070005)\$4,2511Total Operations (Lines 4 thru 10)\$9,71Maintenance :\$112SCR Maintenance (5120000)\$1613Scrubber Maintenance (5120000)\$1614Total Maintenance (12) + (13)\$74151/2 of Maintenance (12) + (13)\$10.0916Fixed O&M (11) + (15)\$10.0917Cost Associated with Gavin Plant (3) + (16)\$13,440hio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,4521Gavin Plant (\$/kw)\$2)22Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :\$224Gavin Plant Portion (\$/kw) (23)\$225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)\$2 | ,883,016 |
| 8Lime Stone (502004)\$29Air Emission Fee\$210Lease (5070005)\$4,2511Total Operations (Lines 4 thru 10)\$9,71Maintenance :\$1612SCR Maintenance (5120000)\$1613Scrubber Maintenance (5120000)\$5814Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$32716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,\$13,4417Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,5521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :\$224Gavin Plant Portion (\$/kw) (23)\$225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)\$2 | 478,173 |
| 8 Lime Stone (5020004) 9 Air Emission Fee \$2 10 Lease (5070005) \$4,25 11 Total Operations (Lines 4 thru 10) \$9,71 Maintenance : ************************************ | 432,366 |
| 9Air Emission Fee\$210Lease (5070005)\$4,2511Total Operations (Lines 4 thru 10)\$9,71Maintenance :\$212SCR Maintenance (5120000)\$1613Scrubber Maintenance (5120000)\$5814Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,\$10,0917Cost Associated with Gavin Plant (3) + (16)\$13,4419OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,4521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | \$0 |
| 11Total Operations (Lines 4 thru 10) Maintenance :\$9,7112SCR Maintenance (5120000)\$1613Scrubber Maintenance (5120000)\$5814Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,\$10,0917Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,5521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | \$29,543 |
| 11Total Operations (Lines 4 thru 10)\$9,71Maintenance :\$212SCR Maintenance (5120000)\$1613Scrubber Maintenance (5120000)\$5814Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10.09Total Revenue Requirement,\$13,4417Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,5521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | 253,067 |
| Maintenance :SCR Maintenance (5120000)\$1612SCR Maintenance (5120000)\$5813Scrubber Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10.09Total Revenue Requirement,\$13,4417Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,5521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | 715,424 |
| 13Scrubber Maintenance (5120000)\$5814Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,\$1717Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,4521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)\$3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | |
| 13Scrubber Maintenance (5120000)\$5814Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,\$1717Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4521Gavin Plant (\$/kw)923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)\$3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | 165,213 |
| 14Total Maintenance (12) + (13)\$74151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,\$13,4417Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)\$4,5521Gavin Plant (\$/kw)\$922Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :\$924Gavin Plant Portion (\$/kw) (23)\$2525Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)\$22 | 584,168 |
| 151/2 of Maintenance (13) * 50%\$3716Fixed O&M (11) + (15)\$10,09Total Revenue Requirement,50%17Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)8,4521Gavin Plant (\$/kw)8,4522Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | 5749,381 |
| Total Revenue Requirement,17Cost Associated with Gavin Plant (3) + (16)18Ohio Power Company's Percentage Ownership19OPCo's Share of Cost Associated with Gavin Plant (17) X (18)20Ohio Power Company Steam Capacity (kw)21Gavin Plant (\$/kw)22Ohio Power Surplus Weighing23Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :24Gavin Plant Portion (\$/kw) (23)25Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | 374,691 |
| Total Revenue Requirement,17Cost Associated with Gavin Plant (3) + (16)\$13,4418Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)8,4521Gavin Plant (\$/kw)8,4522Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | 090,115 |
| 18Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)8,4521Gavin Plant (\$/kw)922Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | |
| 18Ohio Power Company's Percentage Ownership1019OPCo's Share of Cost Associated with Gavin Plant (17) X (18)\$13,4420Ohio Power Company Steam Capacity (kw)8,4521Gavin Plant (\$/kw)922Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | 441,647 |
| 19 OPCo's Share of Cost Associated with Gavin Plant (17) X (18) 20 Ohio Power Company Steam Capacity (kw) 21 Gavin Plant (\$/kw) 22 Ohio Power Surplus Weighing 23 Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power : 24 Gavin Plant Portion (\$/kw) (23) 25 Kentucky Power Capacity Deficit (kw) 32 Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | 100.00% |
| 21Gavin Plant (\$/kw)22Ohio Power Surplus Weighing23Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :24Gavin Plant Portion (\$/kw) (23)25Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | ,441,647 |
| 21Gavin Plant (\$/kw)22Ohio Power Surplus Weighing23Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :24Gavin Plant Portion (\$/kw) (23)25Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | 455,000 |
| 22Ohio Power Surplus Weighing923Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :924Gavin Plant Portion (\$/kw) (23)3225Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25)32 | \$1.59 |
| Portion of Weighted Average Capacity Rate Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power : Gavin Plant Portion (\$/kw) (23) Kentucky Power Capacity Deficit (kw) Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | 95.00% |
| Attributed to Gavin Plant (\$/kw) (21) X (22) Gavin Plant Costs to Kentucky Power :24Gavin Plant Portion (\$/kw) (23)25Kentucky Power Capacity Deficit (kw)32Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | |
| Gavin Plant Costs to Kentucky Power :24Gavin Plant Portion (\$/kw) (23)25Kentucky Power Capacity Deficit (kw)32Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | \$1.51 |
| 24Gavin Plant Portion (\$/kw) (23)25Kentucky Power Capacity Deficit (kw)32Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | |
| 25Kentucky Power Capacity Deficit (kw)32Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | \$1.51 |
| Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | 325,700 |
| | |
| 26 (ES FORM 3.14, Page 1 of 10, Line 3) \$49 | 491,807 |

ES FORM 3.14 Page 6 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - KAMMER PLANT (UNITS 1, 2 & 3)

| LINE NO. | COST | AMOUNTS |
|-------------|---|----------------------|
| | | ¢7 110 542 |
| 1 | Utility Plant at Original Cost | \$7,112,543 1.37% |
| 2 3 | Member Primary Capacity Investment Rate (16.44% / 12) | \$97,442 |
| 3 | Total Rate Base | אדד, וכש |
| | Operations : | \$0 |
| 4 | Urea (5020002) | \$0 \$0 |
| 5 | Trona (5020003) Air Emission Fee | \$18,0 <u>33</u> |
| 6 7 | | \$18,033 |
| | Total Operations (4) + (5) + (6) Maintenance : | φ10,000 |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | \$0 <u>\$0</u> |
| 10 | Fixed $O&M(7) + (9)$ | \$18,0 <u>33</u> |
| 10 | Total Revenue Requirement, | <u>\u0101000</u> |
| 11 | Cost Associated with Kammer Plant (3) + (10) | \$115,475 |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Kammer Plant (11) X (12) | \$115,475 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 15 | Kammer Plant (\$/kw) | \$0.01 |
| 16 | Ohio Power Surplus Weighing | 95.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Kammer Plant (\$/kw) (15) X (16) | \$0.01 |
| | Kammer Plant Costs to Kentucky Power : | , |
| 18 | Kammer Plant Portion (\$/kw) (17) | \$0.01 |
| 19 | Kentucky Power Capacity Deficit (kw) | 325,700 |
| | Kammer Plant Environmental Cost to Kentucky Power (18) * (19) | ····· |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 4) | \$3,257 |
| | | |

ES FORM 3.14 Page 7 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - MITCHELL PLANT (UNITS 1 & 2)

| NO. | COST | AMOUNTS |
|---------|---|---------------------------|
| | LKWA Direct at Original Cost | \$43,375,267 |
| 1 | Utility Plant at Original Cost | 1.37% |
| 2 3 | Member Primary Capacity Investment Rate (16.44% / 12) | \$594,241 |
| 3 | Total Rate Base | ψ00-τ,2-11 |
| | Operations : | \$0 |
| 4 | Disposal (5010000) | \$332,748 |
| 5 | Urea (5020002) | \$120,750 |
| 6 7 | Trona (5020003) Air Emission Fee | \$21,235 |
| 8 | Total Operations (Lines 4 thru 7) | \$474,733 |
| • | Maintenance : | |
| 9 | SCR Maintenance (5120000) | \$477 |
| 9 10 | 1/2 of Maintenance (8) * 50% | \$239 |
| 10 | Fixed $O&M(8) + (10)$ | \$474,972 |
| 11 | Total Revenue Requirement, | <u> • • • • • • • • •</u> |
| 12 | Cost Associated with Mitchell Plant (3) + (11) | \$1,069,213 |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Mitchell Plant (12) X (13) | \$1,069,213 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 16 | Mitchell Plant (\$/kw) | \$0.13 |
| 17 | Ohio Power Surplus Weighing | 95.00% |
| 18 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Mitchell Plant (\$/kw) (16) X (17) | \$0.12 |
| | Mitchell Plant Costs to Kentucky Power : | |
| 19 | Mitchell Plant Portion (\$/kw) (18) | \$0.12 |
| 20 | Kentucky Power Capacity Deficit (kw) | 325,700 |
| ~~ | Mitchell Plant Environmental Cost to Kentucky Power (19) * (20) | |
| 21 | (ES FORM 3.14, Page 1 of 10, Line 5) | \$39,084 |

ES FORM 3.14 Page 8 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - MUSKINGUM PLANT (UNITS 1, 2, 3, 4 & 5)

| LINE | | |
|------|--|-----------------------------|
| NO. | COST | AMOUNTS |
| | Utility Diant at Original Cost | \$106 E75 169 |
| 1 | Utility Plant at Original Cost | \$106,575,168 |
| 23 | Member Primary Capacity Investment Rate (16.44% / 12) Total Rate Base | <u>1.37%</u> \$1,460,080 |
| S I | Operations : | φ1,400,000 |
| 4 | Urea (502002) | \$132,692 |
| 5 | Trona (5020003) | \$0 \$0 |
| 6 | Air Emission Fee | \$28,510 |
| 7 | Total Operations $(4) + (5) + (6)$ | \$161,202 |
| l ' | Maintenance : | Ψ101,202 |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | \$0 \$0 |
| 10 | Fixed $O&M(7) + (9)$ | <u>\$161,202</u> |
| 10 | Total Revenue Requirement, | <u>\$101,202</u> |
| 11 | Cost Associated with Muskingum Plant (3) + (10) | \$1,621,282 |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Muskingum Plant (11) X (12) | \$1,621,282 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 15 | Muskingum Plant (\$/kw) | \$0,19 |
| 16 | Ohio Power Surplus Weighing | 95.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Muskingum Plant (\$/kw) (15) X (16) | \$0.18 |
| | Muskingum Plant Costs to Kentucky Power : | |
| 18 | Muskingum Plant Portion (\$/kw) (17) | \$0.18 |
| 19 | Kentucky Power Capacity Deficit (kw) | 325,700 |
| | Muskingum Plant Environmental Cost to Kentucky Power (18) * (19) | |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 6) | \$58,626 |
| | | |

ES FORM 3.14 Page 9 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - SPORN PLANT (UNITS 2, 3, 4 & 5)

For the Expense Month of May 2007

| LINE NO. | COST | AMOUNTS |
|-------------|--|------------------|
| 1 | Utility Plant at Original Cost | \$15,262,706 |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | 1.37% |
| 3 | Total Rate Base | \$209,099 |
| | Operations : | |
| 4 | Urea (5020002) | \$0 |
| 5 | Trona (5020003) | \$0 |
| 6 | Air Emission Fee | \$13,368 |
| 7 | Total Operations $(4) + (5) + (6)$ | \$13,368 |
| | Maintenance : | |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | <u>\$0</u> |
| 10 | Fixed O&M (7) + (9) | <u>\$13,368</u> |
| 1 | Total Revenue Requirement, | |
| 11 | Cost Associated with Sporn Plant (3) + (10) | <u>\$222,467</u> |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Sporn Plant (11) X (12) | \$222,467 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 15 | Sporn Plant (\$/kw) | \$0.03 |
| 16 | Ohio Power Surplus Weighing | 95.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Sporn Plant (\$/kw) (15) X (16) | \$0.03 |
| | Sporn Plant Costs to Kentucky Power : | |
| 18 | SpornGavin Plant Portion (\$/kw) (17) | \$0.03 |
| 19 | Kentucky Power Capacity Deficit (kw) | <u>325,700</u> |
| | Sporn Plant Environmental Cost to Kentucky Power (18) * (19) | |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 7) | \$9,771 |
| | | |

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT INDIANA MICHGAN POWER COMPANY (I&M) - ROCKPORT PLANT (UNITS 1 & 2)

For the Expense Month of May 2007

| | | Rockoort | | | |
|--------------|--|------------|--------------|-------------|-----------|
| LINE | | Plant | UNIT 1 | UNIT 2 | |
| NO. | COST | Common | AMOUNTS | AMOUNTS | TOTAL |
| (1) | (2) | (3) | (4) | (5) | (9) |
| ~~ | Hility Plant at Original Cost | ¢4 776 760 | \$10 EAA 676 | 012 700 415 | |
| · 7 | | 41,110,100 | 1.37% | 410,00,410 | |
| ო | | \$24,342 | \$144.462 | \$228,919 | |
| - | Operations : | - | | | |
| 4 | Urea (5020002) | \$0 | 20 | \$0 | |
| ى ك | Trona (5020003) | \$0 | \$0 | 0\$ | |
| e | Air Emission Fee | \$12,500 | 20 | \$0 | |
| ~ | Total Operations $(4) + (5) + (6)$ | \$12,500 | 8 | 8 | |
| | Maintenance : | | | | |
| 8 | SCR Maintenance (5120000) | \$0 | \$0 | \$0 | |
| თ | 1/2 of Maintenance (8) * 50% | \$0 | 05 | 03 | |
| 9 | Fixed O&M (7) + (9) | \$12,500 | 8 | 8 | |
| | Total Revenue Requirement, | | 1 | | |
| ÷ | Cost Associated with Rockport Plant (3) + (10) | \$36,842 | \$144,462 | \$228,919 | |
| 12 | Indiana Michigan Power Company's Percentage Ownership | 50% | 85.00% | 65.08% | |
| ღ | I&M's Share of Cost Associated with Rockport Plant (11) X (12) | \$18,421 | \$122,793 | \$148,980 | |
| 14 | Total Rockport Plant Common and Units 1 & 2 | | | | \$290,194 |
| 15 | Indiana Michidan Power Gombany Steam Ganacity (kw) | | | | 5 101 000 |
| 16 | Rockport Plant (\$/kw) (14) / (15) | | | | |
| | Kentucky Power Portion of Rockport Plant / | , in a | | | |
| 17 | Indiana Michigan Power Surplus Weighing | | | | 5.00% |
| 18 | Portion of Weighted Average Capacity Rate | | | | |
| _ | Attributed to Rockport Plant (\$/kw) (17) X (18) | | | | \$0,00 |
| (| Rockport Plant Costs to Kentucky Power : | | | | |
| <u>9</u> | | | | | \$0.00 |
| 20 | | | | | 325.700 |
| Ì | | | | | |
| 2 | (ES FORM 3.14, Page 1 of 10, Line 8) | | | | \$0 |
| | | | | | |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 29 of 34

ES FORM 3.14 Page 10 of 11

ES FORM 3.14 Page 11 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT INDIANA MICHGAN POWER COMPANY (I&M) - TANNERS CREEK (UNITS 1, 2, 3 & 4)

For the Expense Month of May 2007

| LINE NO. | COST | AMOUNTS |
|-------------|--|--------------------|
| 140. | 0001 | |
| | Little Diant at Original Cost | \$98,094,163 |
| 1 | Utility Plant at Original Cost | 1.37% |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | \$1,343,890 |
| 3 | Total Rate Base | φ1,343,090 |
| | Operations : | \$0 |
| 4 | Urea (502002) | |
| 5 | Trona (5020003) | \$0 |
| 6 | Air Emission Fee | <u>\$12,500</u> |
| 7 | Total Operations $(4) + (5) + (6)$ | \$12,500 |
| | Maintenance : | |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | <u>\$0</u> |
| 10 | Fixed O&M (7) + (9) | <u>\$12,500</u> |
| | Total Revenue Requirement, | |
| 11 | Cost Associated with Tanners Creek Plant (3) + (10) | <u>\$1,356,390</u> |
| 12 | Indiana Michigan Power Company's Percentage Ownership | 100.00% |
| 13 | I&M's Share of Cost Associated with Tanners Creek Plant (11) X (12) | \$1,356,390 |
| 14 | Indiana Michigan Power Company Steam Capacity (kw) | 5,101,000 |
| 15 | Tanners Creek Plant (\$/kw) | \$0.27 |
| 16 | Indiana Michigan Power Surplus Weighing | 5.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Rockport Plant (\$/kw) (15) X (16) | \$0.01 |
| | Tanners Creek Plant Costs to Kentucky Power : | |
| 18 | Tanners Creek Plant Portion (\$/kw) (17) | \$0.01 |
| 19 | Kentucky Power Capacity Deficit (kw) | <u>325,700</u> |
| | Tanners Creek Plant Environmental Cost to Kentucky Power (18) * (19) | |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 9) | \$3,257 |
| | | |

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KPSC Case No. 2006-00507 KENTUCI Letter Dated October 10, 2007 Attachment 2 Page 31 of 34 KENTUCI Letter Dated October 10, 2007 KENTUCI Letter 10, 2007 KENTUCI Letter 10, 2007 KENTUCI Letter 10, 2007 KENTU

| For the Expense | Month of | May 2007 |
|-----------------|----------|----------|
|-----------------|----------|----------|

| | Cap. Cost WA | | | | | | | | WACC |
|----------------------|---|--|------------------------------------|------------------------|------|----------------------|------------------------------|----|----------------|
| NO. | Component | Balances | Cap. Structure | Rates | | WACC (Net of Tax) | GRCF | | (PRE-TAX) |
| | | As of 12/31/2005 | | | | | | | |
| 2 | L/T DEBT S/T DEBT ACCTS REC | \$487,964,000 \$6,040,631 | 55.819% 0.691% | 5.835% 4.490% | | 3.26% 0.03% | | | 3.26% 0.03% |
| | FINANCING C EQUITY | \$32,348,353 \$347,841,406 | 3.700% 39.790% | 3.888% 10.500% | 1/ | 0.14% 4.18% | 1.6073 | 2/ | 0.14% 6.72% |
| 5 | TOTAL \$874,194,390 100.000% 7.61 | | | | | 7.61% | | | 10.15% |
| 1/ | 1/ WACC = Weighted Average Cost of Capital Rate of Return on Common Equity per Case No. 2005 - 00341 | | | | | | | | |
| 2/ | Gross Revenue Appendix C Cas | e Conversion Fact se No. 2005 - 003 | or (GRCF) Calc 341 dated - Marc | ulation: h 14, 2006 | | | | | |
| 1 2 | OPERATING R | REVENUE BLE ACCOUNTS | EXPENSE (0.4 | 7%) | | | 100.0000 0.4700 | | |
| 3 4 | | ILE PRODUCTION | | | | | 99.5300 6.2203 | | |
| 5 6 | FEDERAL TAX 199 DEDUCTK | ABLE PRODUC | TION INCOME | BEFORE 199 D | EDU | ICTION | 93.3097 0.0000 | | |
| 7 8 | | ABLE PRODUC OME TAX EXPE | | 9 DEDUCTION | (359 | 6) | 93.3097 32.6584 | | |
| 9 | AFTER-TAX P | RODUCTION IN | COME | | | | 60.6513 | | |
| 10 11 12 13 | GROSS-UP FACTOR FOR PRODUCTION INCOME: AFTER-TAX PRODUCTION INCOME 199 DEDUCTION PHASE-IN UNCOLLECTIBLE ACCOUNTS EXPENSE | | | | | | 60.6513 0.0000 0.4700 | | |
| 14 | TOTAL GROSS | S-UP FACTOR F | OR PRODUCT | ION INCOME (F | ROU | NDED) | 61.1213 | | |
| 15 16 17 18 | BLENDED FEDERAL AND STATE TAX RATE: FEDERAL (LINE 8) STATE (LINE 4) BLENDED TAX RATE | | | | | | 32.6584 6.2203 38.8787 | | |
| 19 | GROSS REVENUE CONVERSION FACTOR (100.0000 / Line 14) | | | | | | 1.6361 | | |
| 1 2 | STATE INCOME TAX CALCULATION: PRE-TAX PRODUCTION INCOME COLLECTIBLE ACCOUNTS EXPENSE (0.20%) | | | | | | 100.0000 0.4700 | | |
| 3 4 | STATE TAXABLE PRODUCTION INCOME BEFORE 199 DEDUCTION LESS: STATE 199 DEDUCTION | | | | | | 99.5300 0.0000 | | |
| 5 6 | | XABLE PRODUC | | BEFORE 199 | DED | UCTION | 99.5300 6.2500 | | |
| 7 | STATE INC | COME TAX EXP | ENSE (LINE 5 X | LINE 6) | | | 6.2203 | P. | |

The WACC (PRE - TAX) value on Line 5 is to be recorded on ES FORM 3.10, Line 9.

Weighted Average Cost of Captial Balances As of 12/31/2005 based on Case No. 2006-00128, dated January 31, 2007.

ES FORM 3.20

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT COSTS ASSOCIATED WITH ROCKPORT

For the Expense Month of May 2007

| Total | (8) | KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 32 of 34 |
|-----------------------------|-----|--|
| Total Units 1 & 2 | (/) | \$10,445,733 1.0283% \$107,413 \$39,968 \$39,968 \$147,381 \$44,214 |
| Unit No. 2 | (9) | \$8,353,084 (\$990,411) \$6,457,807 \$24,502 \$24,502 |
| Unit No. 1 | (2) | \$5,272,657 (\$646,865) (\$637,866) \$3,987,926 \$15,466 \$15,466 \$0 |
| Rockport Plant Common | (4) | \$1,776,759 (\$626,177) (\$134,231) \$1,026,351 1.0283% \$10,451 \$10,451 \$12,500\$\$12,500\$\$1 |
| | (3) | 12.3398% |
| COST COMPONENT | (2) | Return on Rate Base : Rockport Plant Continuous Environmental Monitoring System (CEMS) Utility Plant at Original Cost AEGCo Low NOx Burners (LNB) Installed Cost Less Accumulated Depreciation Less Accumulated Depreciation Less Accum Def. Income Taxes Total Rate Base Weighted Average Cost of Capital - ES FORM 3.21 Monthly Weighted Avg. Cost of Capital - ES FORM 3.21 Monthly Weighted Avg. Cost of Capital - ES FORM 3.21 Monthly Weighted Avg. Cost of Capital - I = 5 * Line 7) Monthly Return of Rate Base (Line 5 * Line 7) Monthly Depreciation Expenses : Monthly Indiana Air Emissions Fee Total Operating Expenses (Line 9 + Line 10)) Total Revenue Requirement, Cost Associated with Rockport Plant CEMS and LNB (Line 8 + Line 11) Kentucky Power's Portion of Rockport's CEMS (Line 12 * 15%) Kentucky Power's Portion of Rockport's CEMS (Line 12 * 30%) Kentucky Power's Portion of Rockport Plants' Total Revenue Requirement. (Column 4, Line 13 + Column 7, Line 14) Note: Cost in Column 8, Line 15 is to be Recorded on ES FORM 3.00 Line 2 |
| NO. | Ē | - си така кака така така така така така так |

With each monthly filing, attach a schedule similar to Exhibit EKW-2, page 11 of 11 (Wagner Direct Testimony in Case No. 96-489), showing the calculation of the Weighted Average Cost of Capital. These calculations should reflect the provisions of the Rockport Unit Power Agreement, and be as of the Current Expense Month.

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 2 Page 33 of 34 KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT ROCKPORT UNIT POWER AGREEMENT COST OF CAPITAL

For the Expense Month of May 2007

| LINE NO. | Component | Balances | Cap. Structures | Cost Rates | | WACC (NET OF TAX) | GRCF | | WACC (PRE - TAX) |
|------------------|---|--------------------------|----------------------|--------------------|----|----------------------|------------------------|----|----------------------|
| | | As of 05/31/2007 | | | | | | | |
| 1 2 | L/T DEBT S/T DEBT CAPITALIZATION | 44,840,076 19,317,649 | 36.7796% 15.8451% | 4.9099% 5.3513% | | 1,8058% 0.8479% | | | 1.8058% 0.8479% |
| 3 | OFFSETS DEBT | 0 | 0.0000% | 5.0428% | | 0.0000% | | | 0.0000% |
| 5 | C EQUITY | 57,757,970 | 47.3753% | 12.1600% | 1/ | 5.7608% | 1.681379 | 2/ | 9.6861% |
| 6 | TOTAL | 121,915,695 | 100.0000% | | | 8.4145% ======== | | | 12.3398% ======== |
| | WACC = Weighted | Average Cost o | f Canital | | | | | | |
| 1/ | Cost Rates per the | | | Power Agreeme | nt | | | | |
| 2/ | Gross Revenue Co | nversion Factor | (GRCF) Calcula | tion: | | | | | |
| 1 | OPERATING REVE | | SS INCOME | | | | 100.00 | | |
| 2 3 4 5 | LESS: INDIANA ADJUSTED GROSS INCOME (LINE 1 X .085) INCOME BEFORE FED INC TAX LESS: FEDERAL INCOME TAX | | | | | | <u>8.500</u> 91.500 | | |
| 6 7 8 | LESS.FEDERAL INCOME TAX(LINE 4 X .35)32.025OPERATING INCOME PERCENTAGE59.475GROSS REVENUE CONVERSION59.475 | | | | | | | | |
| 9 | FACTOR (10) | | | | | | <u>1.681379</u> | | |

The WACC (PRE - TAX) value on Line 6 is to be recorded on ES FORM 3.20, Line 5.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 KENTUCKY POWER C Attachment 2 CURRE Page 34 of 34 MONTHLY REVE! FION FACTOR, and OVER/(UNDER) RECOVERY ADJUSTMENT

For the Expense Month of May 2007

SCHEDULE OF MONTHLY REVENUESCHEDULE OF MONTHLY REVENUES

| Line No, | Description | Monthly Revenues | Percentage of Total Revenues | Monthly Revenues | Percentage of Total Revenues |
|------------------|---|---|---------------------------------------|--------------------------|---------------------------------------|
| 1 2 3 4 | Kentucky Retail Revenues FERC Wholesale Revenues Associated Utilities Revenues Non-Assoc. Utilities Revenues | \$28,451,204 \$478,578 \$3,191,585 \$9,274,553 | 68.7% 1.2% 7.7% 22.4% | \$478,578 \$2,964,559 | 67.8% 1.1% 7.1% 24.0% |
| 5 | Total Revenues for Surcharges Purposes | \$41,395,920 | 100.0% | \$41,965,085 | 100.0% |
| 6 | Non-Physical Revenues for Month | \$250,450 | | \$271,951 | |
| 7 | Total Revenues for Month | \$41,646,370 | | \$42,237,036 | |

The Kentucky Retail Monthly Revenues and Percentage of Total Revenues (Line 1) are to be recorded on ES FORM 1.00, Lines 9 and 4. The Percentage of Kentucky Retail Revenues to the Total Revenues for the Expense Month will be the Kentucky Retail Jurisdictional Allocation Factor.

OVER/(UNDER) RECOVERY ADJUSTMENT

| Line No. | Description | Amounts | Amounts |
|-------------|--|--------------|--------------|
| 1 | Kentucky Retail Surcharge Factor for March 2007 | -1.1149% | -1.1149% |
| 2 | Kentucky Retail Revenues for Current Expense Month | \$23,784,196 | \$23,784,196 |
| 3 | Surcharge Collected (1) * (2) | (\$265,170) | (\$265,170) |
| 4 | Surcharge Amount To Be Collected | (\$433,979) | (\$433,979) |
| 5 | Over/(Under) Recovery (3) - (4) = (5) | \$168,809 | \$168,809 |

The Over/(Under) Recovery amount is to be recorded on ES FORM 1.00, LINE 6.

NOTE : The sign on LINE 5 of ES FORM 3.30 will be changed on LINE 6 of ES FORM 1.00 in order to properly adjust the collection of the current month's expense.

| Note: | Filed Amounts | Difference | Revised Amounts |
|--|---------------|-------------|-----------------|
| Kentucky Retail Revenues | \$28,451,204 | \$0 | \$28,451,204 |
| FERC Wholesale Revenues | \$478,578 | \$0 | \$478,578 |
| Associated Utilities Revenues | \$2,964,559 | \$227,026 | \$3,191,585 |
| Non-Assoc. Utilities Revenues (Physical Sales) | \$10,070,744 | (\$796,191) | \$9,274,553 |
| Total | \$41,965,085 | (\$569,165) | \$41,395,920 |
| Non Physical Sales | \$271,951 | (\$21,501) | \$250,450 |
| Total All Revenues | \$42,237,036 | (\$590,666) | \$41,646,370 |

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RECEIVED

Elizabeth O'Donnell, Executive Director **Public Service Commission** Attn: Daryl Newby P.O. Box 615 Frankfort, KY 40602

JUL 1 9 2007 **PUBLIC SERVICE** COMMISSION

19 July 2007

Dear Ms. O'Donnell and Mr. Newby:

Attached are Kentucky Power Company's fuel adjustment clause schedules with supporting sales and fuel cost schedules. These calculations are based on an estimated June 2007 fuel costs with an adjustment reflecting actual May 2007 fuel costs.

The fuel adjustment clause factor of \$0.00244/kwh will be applied to our August 2007 billing. Pursuant to the Commission's Order dated October 3, 2002 in Case No. 2000-495B, page 5 reflects the peaking unit equivalent approach used to calculate the level of non-economy purchased power costs to flow through the fuel adjustment clause.

Also, we are attaching the system sales clause schedule with a supporting net revenue schedule calculated pursuant to the Commission's March 14, 2006 Order in Case No. 2005-00341. These calculations are based on an estimated June 2007 net revenue with an adjustment reflecting the true-up of May 2007 net revenue. Pursuant to the Settlement Agreement and the Commission's March 14th Order in Case No. 2005-00341 and the Company's System Sales Clause Tariff, net system sales revenue up to and including \$30M for the billing period April 1, 2007 through March 31, 2008 shall be based on 70/30 percent sharing basis. When the Company surpasses the off-system sales margin of \$30M, the customer sharing mechanism shall be on a 60/40 basis. The attached System Sales Clause Schedule, page 1 of 2, shows the net revenue level applied to our August 2007 billing will be in the amount of \$5,653,449 for a YTD total of \$19,562,330.

The net system sales clause factor of \$(0.0034442)/kwh (a credit) will be applied to our August 2007 billing.

All billings during August 2007 will show a combined factor of \$(0.0010042)/kwh (a credit).

If you have any questions, please advise.

Sincerely,

Errol K. Wagner Director of Regulatory Services

bcc: (all via email) Robin Wiseman - Canton (w/a) Justin O'Neil - Columbus (w/a) O. J. Sever, Jr. - Columbus (w/a) Jeff Brubaker - Cols (w/a) Steve M Trammell - Tulsa, (w/a)

John Pulsinelli – Columbus (w/a) Andrea M. Wallace – Cols (w/a) KPCo Regulatory File Book

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page2 of 31

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

(+)

(+)

Month Ended:

June 2007

\$0.00244

-\$0.0034442

-\$0.0010042

1 Fuel Adjustment Clause Factor (Page 1 of 5)

2 System Sales Clause Factor (Page 1 of 2)

3 Total Adjustment Clause Factors

:

Effective Date for Billing

Submitted by:

August 2007

(Signature)

Title:

Date Submitted:

July 19, 2007

Director of Regulatory Services

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page3 of 31

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

| | Month Ended: | June 2007 | | |
|--------------------------|--------------|------------------|-----|---------|
| Fuel Fm (Fuel Cost Sched | lule) | \$9,828,806 | | |
| Sales Sm (Sales Schedule |) | 518,644,000 | (+) | 0.01895 |
| Fuel (Fb) | | \$8,703,098 | | |
| Sales (Sb) | | 527,226,000 | (-) | 0.01651 |
| | | | | 0.00244 |

(\$/KWH)

| Effective Date for Billing | August 2007 |
|----------------------------|---------------------------------|
| Submitted by: | E M Magner (Signature) |
| Title: | Director of Regulatory Services |

Date Submitted:

-

July 19, 2007

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page4 of 31

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| | KENTUCKY POWER COMPANY | | Page 2 of 5 |
|----|--|--|--|
| | FUEL COST SCHEDULE | | |
| | Month Ended: June 2007 | | |
| A. | Company Generation Coal Burned Oil Burned Gas Burned Fuel (jointly owned plant) Fuel (assigned cost during F. O.) Fuel (substitute for F. O.) Sub Total | (+) (+) (+) (+) (+) (-) | \$11,892,202 169,264 0 0 0 12,061,466 |
| В. | Purchases Net Energy Cost - Economy Purchases Identifiable Fuel Cost - Other Purchases Identifiable Fuel Cost (substitute for F. O.) Sub Total | (+) (+) (-) | 0 8,244,488 0 8,244,488 |
| C. | Inter-System Sales Fuel Costs Sub Total | | 9,346,815 |
| D. | Total Fuel Cost (A + B - C) | | \$10,959,139 |
| E. | Adjustment indicating the difference in actual fuel costand the estimated costfor the month ofMay 2007and the estimated costoriginally reported.\$10,896,965\$11,828,117(actual)(est.) | = | (931,152) |
| F. | Total Company Over or (Under) Recovery from Page 4, Line 12 | | 199,181 |
| G. | Grand Total Fuel Cost (D + E - F) | | \$9,828,806 |
| | * Estimated - based on actual Kentucky generation unit costs in June 2007 <u>\$12,061,466</u> 625,420,000 0.01929 | /KWH | |

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KPSC Case No. 2006-00507 Letter Bate October 10, 2007 Attachment 3 Page5 of 31

KWH of company usage.

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KENTUCKY POWER COMPANY

SALES SCHEDULE

Month Ended:

June 2007

| | | | Kilowatt-Hours | |
|----|--|-----|----------------|---|
| A. | Generation (Net) | (+) | 625,420,000 | |
| | Purchases Including Interchange In | (+) | 427,397,000 | |
| | Sub Total | | 1,052,817,000 | |
| | | | | |
| B. | Pumped Storage Energy | (+) | 0 | |
| | Inter-System Sales Including Interchange Out | (+) | 484,542,000 | |
| | System Losses | (+) | 49,631,000 | * |
| | Sub Total | | 534,173,000 | |
| | | | | |
| | Total Sales (A - B) | | 518,644,000 | |
| | | | | |
| | | | | |

331,709

* Does not include

KENTUCKY POWER COMPANY

OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended: Jun

Line

.

June 2007

No. 0.00425 (+) 1 FAC Rate Billed 554,740,596 (x) 2 Retail KWH Billed at Above Rate 2,357,648 FAC Revenue/(Refund) (L1 * L2) 3 516,093,000 (+)KWH Used to Determine Last FAC Rate Billed 4 (-) 7,495,300 5 Non-Jurisdictional KWH Included in L4 Kentucky Jurisdictional KWH Included in L4 (L4 - L5) 508,597,700 6 2,161,540 Recoverable FAC Revenue/(Refund) (L1 * L6) 7 196,108 Over or (Under) Recovery (L3 - L7) 8 (+)518,644,000 9 Total Sales (Page 3) (/) 510,642,700 10 Kentucky Jurisdictional Sales Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10) 1.01567 11 199,181 Total Company Over or (Under) Recovery (L8 * L11) 12

KPSC Case No. 2006-00507 Letter Bas October 10, 2007 Attachment 3 Page7 of 31

KENTUCKY POWER COMPANY

FINAL FUEL COST SCHEDULE

Month Ended:

May 2007

| A. Company Generation Coal Burned Oil Burned Gas Burned Fuel (jointly owned plan Fuel (assigned cost duri (Fuel (substitute for F. C | ng F. O.) KWH X |) | (+) (+) (+) (+) (+) (-) _ | \$10,826,446 383,069 0 0 0 | |
|--|---------------------|----------|--|--|-----|
| | Sub-total | | _ | 11,209,515 | |
| B. Purchases Net Energy Cost - Econ Identifiable Fuel Cost - Identifiable Fuel Cost (s (| Other Purchases |) | (+) (+) (-) | 0 5,769,926 0 | (1) |
| | Sub-total | | _ | 5,769,926 | |
| C. Inter-System Sales Fuel Cost | S | | - | 6,082,476 | (1) |
| | Total Fuel Cost (A | + B - C) | = | \$10,896,965 | |

(1) Includes total Energy Costs of non-economy purchase per KPSC Order dated October 3, 2002 in Case No. 2000-495-B.

| KPSC Case No. 2006-00507 Letter Date October 10,2507 O | £2 |
|---|----|
| Attachment 3 | |
| Page8 of 31 | |

KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE SCHEDULE Case No. 9061 and Stipulation and Settlement Agreement in Case No. 2005-00341 June 2007

| Line No. | Month Ended: | | |
|-------------|--|-----|-------------|
| 1 | Current Month (Tm) Net Revenue Level | (+ | 5,653,449 |
| 2 | Base Month (Tb) Tariff 19-2 Net Revenue Level | (-) | 3,101,556 |
| 3 | Increase/(Decrease) of System Sales Net Revenue | | 2,551,893 |
| 4 | Customer 70% Sharing | (x) | 70% |
| 5 | Customer Share of Increase/(Decrease) in System Sales Net Revenue | | 1,786,325 |
| 6 | Current Month (Sm) Sales Level | (/) | 518,644,000 |

| YTD System | n Sales Profit |
|------------|----------------|
| Feb-07 | 2,911,080 |
| Mar-07 | 4,277,970 |
| Apr-07 | 3,765,051 |
| May-07 | 2,954,780 |
| Jun-07 | 5,653,449 |
| Jul-07 | |
| Aug-07 | |
| Sep-07 | 0 |
| Oct-07 | 0 |
| Nov-07 | 0 |
| Dec-07 | 0 |
| Jan-08 | 0 |
| Total | 19,562,330 |
| | |

7 System Sales Clause Factor - \$/Kwh

-0.0034442

* This factor is a credit to the customer when current month net revenue levels exceed the base month; and a charge when the current month net revenues levels are below the base month.

Effective Date for Billing:

Submitted by:

Title:

Date Submitted:

August 2007 (Signature)

Director of Regulatory Services

July 19, 2007

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page9 of 31

Page 2 of 2

KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE NET REVENUE

| | | Month Ended: | June 2007 | |
|---------------------|--|------------------|------------------------------------|--------------|
| Line <u>No</u> . | | CURRENT MONTH | PRIOR MO. TRUE-UP ADJUSTMENT | TOTAL |
| 1 | Sales For Resale Revenues | \$13,634,292 | (\$43,210) | \$13,591,082 |
| 2 | Interchange-Delivered Revenues | -0- | -0- | -0- |
| 3 | Total System Sales Revenues | 13,634,292 | (43,210) | 13,591,082 |
| | | | | |
| 4 | Sales For Resale Expenses | \$7,729,158 | \$13,186 | \$7,742,344 |
| 5 | Interchange-Delivered Expenses | -0- | -0- | -0- |
| 6 | Non-Associated Utilities Monthly Environmental Costs* | 195,289 | 0 | 195,289 |
| 7 | Total System Sales Expenses | 7,924,447 | 13,186 | 7,937,633 |
| 8 | Total System Sales Net Revenues | \$5,709,845 | (\$56,396) | \$5,653,449 |

.

*Source: ES Form 1.0, Line 3 ES Form 3.3, Line 4 Non-Associated Environmental Costs



KENTUCKY POWER FUEL COSTS (5010001, 5010013, & 5010019) JUNE 2007

| COAL SURVEY CONVERSION COAL | \$11,892,201.70 \$0.00 \$0.00 |
|-----------------------------------|-------------------------------------|
| TOTAL COAL | \$11,892,201.70 |
| OIL | \$169,264.24 |
| TOTAL FUEL | \$12,061,465.94 |



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| | | | e No. 2006-00507 October 10, 2007 Attachment 3 Page11 of 31 |
|---|------------------------------|-------------|--|
| KENTUCKY POWER COMPANY NET ENERGY REQUIREMENTS JUNE 2007 | | | |
| Net Generation (Sch 12) | | | 625,420 |
| Purchases: 1. interchange Pool (Sch 4, Pool Energy) | | 192,426 | |
| 2. Interchange Received Cash | | 0 | |
| Purchased Power: Associated (Including Rockport Units 1 & 2) Purchased Power: Non Associated Subtotal | 174,752 60,219 | 234,971 | |
| 5. Loop in/Out (Sch 4, Loop or interchange in/Out - Nonassociated) | | 0 | |
| Total Purchased Power | | | 427,397 |
| Available for Distribution | | | 1,052,817 |
| Saies 1. Interchange Pool (Sch 4, Total Assoc Co Saies) | | 247,500 | |
| 2. Total System Sales (Physical Sales) | | 233,447 | |
| 3. Total System Sales (Non - Physical Sales or Bookouts & Option | าร) | 3,595 | |
| Disposition of Energy | | | 484,542 |
| Total Supply for Net Energy Requirement <i>(NER)</i> (Internal Load Requirements) | | | 568,275 |
| Check: Total Sales (Calc for Deferred Fuel, Page 3 of 5, Total Sales (A - B)) Net System Losses MWH (Calc for Deferred Fuel, Page 3 of 5) Total Supply for Net Energy Equirement (NER) | 518,644 49,631 568,275 | | |
| Current Month Energy Sales | | | |
| Billed KWH | | | |
| Preliminary Page 9-1 (Sch 5, Total Sales of Electricity) System Sales for Resale (Schedule 4, | | 562,741,896 | |
| Total System Sales) System Interchange Sales (Schedule 4, | | 233,447,000 | 2 " |
| Total Assoc Co Sales) Total Current Month Billed Revenue | | 247,500,000 | 1,043,688,896 |
| Accrued KWH Current Month Unbilled Page 9-1A (Sch 6) | | | 270,508,453 |
| Last Month Unbilled Page 9-1A Current Month Billed and Accrued KWH | | [/ | 304,373,079 1,009,824,270 |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 3 Page 12 of 31

| | | | | | K | KENTUCKY POWER COMPANY | MPANY | | | | | |
|------------|------------|--------|-------------|--------------|------------------|------------------------|--------------|-------------|---------------|-----------|---------|----------|
| | | | | | | Line Loss Caculation | tion | | | | | |
| | | INPUT | | | | BILLED & ACCRUED | IED | | | | | |
| | | | | | | | TOTAL | ASSOC. | SYSTEM | INTERNAL | ENERGY | % LINE |
| Inter | | Rill & | | | H M M M | | ENEKGY | COMPANY | SALES | ENEKGY | LUSI & | LUSS |
| 9 | Svstem | Accrd. | Total | Billed Only | | | DISPOSED | INTERCHANGE | RESALE | DISPOSED | NTED | INTERNAL |
| | Sales | Loss | Disposition | | | | - | 2 | ę | (1-2-3-4) | 9 | (6/5) |
| ## | ########## | # | | ############ | | | | | ************* | | | |
| | 180,807 | 37,315 | 1,133,614 | (30,447) | JAN | 06 current month | 1,133,614 | 226,657 | 180,807 | 726,150 | 37,315 | 5.139% |
| | | | | | | 12 mos. ending | 13,559,039 | 2,766,796 | 2,756,514 | 8,035,729 | 642,256 | 7.993% |
| 197,969 23 | 233,870 | 75,719 | 1,183,392 | 70,989 | FEB | 06 current month | 1,183,392 | 197,969 | 233,870 | | 75,719 | 10.075% |
| | | | | | | 12 mos. ending | 13,612,511 | 2,765,029 | 2,749,320 | 8,098,162 | 661,296 | 8.166% |
| 257,553 22 | 226,681 | 54,266 | 1,200,512 | 73,930 | MAR | 06 current month | 1,200,512 | 257,553 | 226,681 | 716,278 | 54,266 | 7.576% |
| | | | | | | 12 mos. ending | ÷ | 2,760,249 | 2,672,853 | 8,081,245 | 659,024 | 8.155% |
| 281,185 22 | 221,781 | 98,758 | 1,077,711 | 3,245 | APR | 06 current month | 1,077,711 | | | 574,745 | 98,758 | 17.183% |
| | | | | | | 12 mos. ending | 0 | N | 2,661,157 | 8,085,256 | 710,776 | 8.791% |
| 129,331 19 | 191,082 | 56,870 | 906,998 | 66,154 | MAY | 06 current month | 906,998 | 129,331 | 191,082 | 586,585 | 56,870 | 9.695% |
| | | | | | | 12 mos. ending | 13,432,832 | 2,728,273 | 2,614,834 | 8,089,725 | 722,703 | 8.934% |
| 283,427 25 | 254,340 | 65,193 | 1,146,790 | 62,242 | NUL | 06 current month | 1,146,790 | | 254,340 | | 65,193 | 10.705% |
| | | | | | | 12 mos. ending | 13,472,210 | 2,778,618 | 2,630,085 | ω | 734,015 | 9.103% |
| 252,352 29 | 298,491 | 51,867 | 1,235,232 | 111,439 | JUL | 06 current month | 1,235,232 | 252,352 | 298,491 | 684,389 | 51,867 | 7.579% |
| | | | | | | 12 mos. ending | 13,520,281 | 2,772,406 | 2,667,490 | 8,080,385 | 731,011 | 9.047% |
| 252,375 29 | 291,493 | 59,995 | 1,252,649 | 94,965 | AUG | 06 current month | 1,252,649 | 252,375 | 291,493 | 708,781 | 59,995 | 8.465% |
| | | | | | | 12 mos. ending | ÷ | 2,817,690 | 2,713,804 | 8,077,166 | 727,651 | %600.6 |
| 297,092 19 | 196,951 | 85,826 | 1,056,706 | (32,347) | SEP | 06 current month | | 297,092 | 196,951 | 562,663 | 85,826 | 15.254% |
| | | | | | | 12 mos. ending | | 2,816,516 | 2,662,181 | 8,031,307 | 760,355 | 9.467% |
| 305,738 24 | 240,217 | 44,753 | 1,163,289 | 103,139 | OCT | 06 current month | 1,163,289 | 305,738 | 240,217 | 617,334 | 44,753 | 7.249% |
| | | | | | | 12 mos. ending | 13,620,505 | 2,856,897 | 2,714,458 | 8,049,150 | 761,704 | 9.463% |
| 287,102 18 | 184,004 | 46,903 | 1,133,742 | 94,784 | NON | 06 current month | | | 184,004 | 662,636 | 46,903 | 7.078% |
| | | | | | | 12 mos. ending | | CN | 2,693,863 | 8,051,848 | 741,807 | 9.213% |
| 193,816 18 | 186,140 | 52,806 | 1,135,365 | 76,562 | DEC | 06 current month | | 193,816 | 186,140 | 755,409 | 52,806 | 6.990% |
| | | | | | | 12 mos. ending | ÷ | 2,964,597 | 2,705,857 | 7,955,546 | 730,271 | 9.179% |
| 189,303 20 | 200,862 | 65,845 | 1,173,943 | 83,762 | JAN | 07 current month | 1,173,943 | | | 783,778 | 65,845 | 8.401% |
| | | | | | | 12 mos. ending | 13,666,329 | ~ | ~ | 8,013,174 | 758,801 | 9.469% |
| 109,435 18 | 185,212 | 63,932 | 1,104,783 | 84,311 | FEB | 07 current month | | 109,435 | 185,212 | 810,136 | 63,932 | 7.892% |
| | | | | | | 12 mos. ending | ÷ | 2,838,709 | 2,677,254 | ω | 747,014 | 9.255% |
| 268,702 24 | 249,103 | 79,703 | 1,189,976 | (8,566) | MAR | 07 current month | 1,189,976 | 268,702 | 249,103 | 672,171 | 79,703 | 11.858% |
| | | | | | | 12 mos. ending | | 2,849,858 | 2,699,676 | ω | 772,451 | 9.622% |
| 182,068 19 | 199,389 | 63,780 | 1,004,763 | 38,393 | APR | 07 current month | | 182,068 | 199,389 | 623,306 | 63,780 | 10.233% |
| | | | | | | 12 mos. ending | 13,5 | 2,750,741 | 2,677,284 | ŝ | 737,473 | 9.131% |
| 135,350 21 | 211,328 | 51,493 | 965,122 | 76,014 | MAY | 07 current month | | | | | 51,493 | 8.326% |
| | | | | | | 12 mos. ending | Ì | ~ | ~ | ω | 732,096 | 9.029% |
| 247,500 23 | 233,447 | 42,661 | 1,052,817 | 8,796 | NNr | 07 current month | | 247,500 | 233,447 | 571,870 | 42,661 | 7.460% |
| | | | | | | 12 mos. ending | 13,468,387 | 2,720,833 | 2,676,637 | 8,070,917 | 709,564 | 8.792% |

| | JUNE 2007 | |
|----------------|--|-----------------------|
| | Source and Disposition of Energy (Total System) | Megawatthours |
| | Generation: | |
| 1 | Total Net Generation (Sch 3) | 625,420 |
| | Purchased Power: | |
| | Interchange Pool (Sch 4, Pool Energy) Interchange Received Cash Purchased Power: Associated | 192,426 0 |
| | (Including Rockport) (Sch 4 or 12A) Purchased Power: Non Associated | 174,752 60,219 |
| 6 | Loop In/Out (Sch 4, Loop or Interchange In/Out - Nonassociated) | 0 |
| 7 | Total Purchased Power | 427,397 |
| 8 | Total Source (1 Plus 8) | 1,052,817 |
| | Billed and Accrued | |
| 10 | Total Energy Sales (Sch 3) Used in Electric & Other Departments (Sch 2) Furnished Without Charge | 1,009,824 332 0 |
| 12 13 | Total Energy Accounted For (+10+11+12) Energy Lost and Unaccounted For | 1,010,156 42,661 |
| | Total Disposition (Must Equal Line 8) | 1,052,817 |
| | Billed Only (Memo) | |
| 15 16 17 | Total Energy Sales (Sch 3) Used in Electric & Other Departments (Sch 2) Furnished Without Charge | 1,043,689 332 0 |
| 18 | Total Energy Accounted For | 1,044,021 |
| 19 20 | | 8,796 1,052,817 |

KENTUCKY POWER COMPANY

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KENTUCKY POWER COMPANY

| Attachment 3 | |
|--------------|--|
| Page14 of 31 | |

KPSC Case No Schedule 12 Letter Date October 10, 2007

JUNE 2007 ESTIMATE

SOURCES AND DISPOSITION OF ENERGY FOR FERC TYPE FUEL COST ADJUSTMENT CLAUSE

| _SOURCES OF ENERGY | MWH | \$ AMOUNT | MILLS/kWh | |
|---|----------------------------|-------------------------------|----------------------------|------|
| 1. NET GENERATION OWN FOSSIL GENERATION | 625,420 | 12,061,466 | 19.285 | |
| UNIT POWER PURCHASE (AEG) ROCKPORT #1 | 126,428 | 2,004,506 | 15.855 | |
| UNIT POWER PURCHASE (AEG) ROCKPORT #2 | 48,289 | 826,556 | 17.117 | |
| | | | | Sch |
| SUBTOTAL, ITEM 1 | 800,137 | 14,892,528 | 18.612 | 8 |
| SYSTEM POOL - PRIMARY & ECONOMY | 29,138 | 399,331 | 13.705 | |
| AEP SYSTEM CASH PURCHASES | 60,256 | 2,568,337 | 42.624 | |
| INTERRUPTIBLE BUY-THROUGH | 0 | 0 | 0.000 | |
| SUBTOTAL, ITEM 2 | 89,394 | 2,967,668 | 33.198 | |
| 3. TOTAL SOURCES (1+2) | 889,531 | 17,860,196 | 20.078 | |
| | | | | Line |
| | | 5,798,730 | | 33 |
| DISPOSITION OF ENERGY 4. OFF SYSTEM ALLOCATION OF SOURCES SYSTEM POOL - PRIMARY & ECONOMY UNIT POWER PURCHASE (AEG) ROCKPORT #1 UNIT POWER PURCHASE (AEG) ROCKPORT #2 | 51,317 22,471 12,298 | 955,110 385,081 210,849 | 18.612 17.137 17.145 | |
| AEP SYSTEM CASH PURCHASES | 59,641 | 2,548,669 2,850,144 | 42.734 18.309 | |
| OWN GENERATION INTERRUPTIBLE BUY-THROUGH | 155,667 139 | 10,710 | 77.050 | |
| INTERROPTIBLE BUT-THROUGH | 100 | 10,710 | 11.000 | Line |
| SUBTOTAL, ITEM 4 | 301,533 | 6,960,564 | 23.084 | 33 |
| 5. FUEL IDENTIFIED FOR NER (3-4) | 587,998 | 10,899,632 | 18.537 | |
| 6. TOTAL (4+5) | 889,531 | 17,860,196 | 20.078 | |
| A.FUEL IDENTIFIED FOR NER (LINE 5 ABOVE) | 587,998 | 10,899,632 | 18.537 | |
| | 20 864 | 0 | 0.000 | |
| RECEIPTS (+) DELIVERIES (-) | 30,864 618,862 | 10,899,632 | 17.612 | |
| C.FUEL IDENTIFIED FOR NER (LINES A+B) D.OUT OF PERIOD ADJUSTMENT | 010,002 | 10,699,632 | 0.000 | |
| E.CONVENTIONAL HYDRO | 0 | 0 | 0.000 | |
| F.TOTAL SUPPLY FOR NET ENERGY REQUIREMENT (NER) | 618,862 | 10,899,632 | 17.61238 | |
| · · · · · · · · · · · · · · · · · · · | | | | |

UNIT POWER PURCHASE (AEG) ROCKPORT #1 USE AVG RATE FROM POWER BILL

UNIT POWER PURCHASE (AEG) ROCKPORT #2 USE AVG RATE FROM POWER BILL 800137 14892528

18.612

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page15 of 31

Kentucky Power Company - Building Usage - June 2007

| Metered Usage In Company Buildings For The Current Month | 331,709 |
|--|---------|
| Metered Usage In Company Buildings For The Prior Month | 368,882 |

Current Month Company Usage

| ASHLAND | 143,220 | .kWh |
|------------------------|---------|------|
| SO. WILLIAMSON | 1,739 | kWh |
| HAZARD/PIKEVILLE | 186,750 | kWh |
| CURRENT MONTH | 331,709 | kWh |
| PRIOR MONTH ADJUSTMENT | 0 | kWh |
| CURRENT MONTH REPORT | 331,709 | kWh |

332 mWh

Source: OSPRIO60

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page16 of 31

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE May 2007

TRANSACTION TYPES *

| F | FIRM |
|------------|-------------------------------|
| LT-CAP | LONG TERM CAPACITY |
| L-TERM | LIMITED TERM |
| S-TERM | SHORT TERM |
| PRE | PRE-SCHEDULED |
| RESCAP | RESERVED CAPACITY |
| ARS-EMRG | AUTO RESERVE SHARING - EMERG. |
| EXP-CONG | EXPLICIT CONGESTION |
| IMP-CONG | IMPLICIT CONGESTION |
| SPOT-ENG | PJM MARKET SPOT ENERGY |
| ND | NON-DISPLACEMENT |
| SUPP | SUPPLEMENTAL (OVEC) |
| EMERG | EMERGENCY |
| CMP-UPR | UNIT POWER |
| NF | NON-FIRM |
| PKPWR | PEAKING POWER |
| CCS;COALPH | COAL CONVERSION SVC. |
| GENLOS | GENERATION LOSS |
| BKI-EXCS | BUCKEYE EXCESS POWER |
| U-ENERGY | UNIT ENERGY |

OTHER

| HR | HOURLY |
|----|----------|
| DY | DAILY |
| WK | WEEKLY |
| MO | MONTHLY |
| YR | YEAR |
| РН | PHYSICAL |

* Due to voluminous transactions, they are aggregated by type rather that by interconnected utility.

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007

| PURCHASES | BILLING COMPONENTS | | | | | |
|-----------------------------|-----------------------|----------------|--------|------------------|-------------------|--|
| TRANSACTION TYPE | MWH | FUEL CHARGE | DEMAND | OTHER CHARGES | TOTAL CHARGES | |
| | | (\$) | (\$) | (\$) | (\$) | |
| DY-2F | 29,568 | 1,057,308.72 | 0.00 | 264,323.57 | 1,321,632.29 | |
| HR-2NF | 795 | 46,437.35 | 0.00 | 9,147,17 | 55,584.52 | |
| EXP-CONG | 0 | 0.00 | 0.00 | 2,561.13 | 2,561.13 | |
| IMP-CONG | 0 | 0.00 | 0.00 | 373,772.42 | 373,772.42 | |
| SPOT-ENG | 34,064 | 1,300,587.97 | 0.00 | 325,146.01 | 1,625,733.98 | |
| DY-F | 128 | 6,277.92 | 0.00 | 1,569.44 | 7,847.36 | |
| DY-NF | 236 | 11,510.57 | 0.00 | 2,877.68 | 14,388.25 | |
| HR-NF | 3,827 | 145,398.08 | 0.00 | <u>36,349.18</u> | <u>181,747.26</u> | |
| | 68,618 ⁽¹⁾ | 2,567,520.61 | 0.00 | 1,015,746.60 | 3,583,267.21 | |
| AEP POOL PRIMARY PURCHASES: | 188,367 | 2,501,037.00 | 0.00 | 436,870.00 | 2,937,907.00 | |
| INTERRUPTIBLE BUY/THROUGH | | | | | | |
| (AEP AFF. COS.) | 0 | 0.00 | 0.00 | 0.00 | 0.00 | |
| BOOKOUTS/OPTIONS: | 271,660 | 0.00 | 0.00 | 10,129,459.00 | 10,129,459.00 | |
| TOTALS: | 528,645 | 5,068,557.61 | 0.00 | 11,582,075,60 | 16,650,633.21 | |

| | <u>MWH</u> | Total Energy Charges |
|---|------------|----------------------|
| (1) ALLOCATED TO SYSTEM SALES: | 65,575 | 3,225,197.66 |
| ALLOCATED TO INTERNAL CUSTOMERS: | 3,043 | 358,069,55 |
| | 68,618 | 3,583,267,21 |
| LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE: | 0 | 314,378.49 |
| NET INCLUDABLE ENERGY CHARGES: | 68,618 | 3,268,888.72 |

NOTE:

IN THE ABOVE TRANSACTIONS THERE WERE NO PURCHASES AS A RESULT OF FORCED OUTAGES AT BIG SANDY PLANT.

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE MONTH ENDED: MAY 2007

| MONTH ENDED: MAY 2007 | | | | BILLING COMPO | NENTS | |
|--|---------------------|------------------|---------------------|---------------------------|-----------------|--|
| SALES | KPCO MLR | SUPPLIED BY KPCO | | VI. | | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, |
| | SHARE OF | SOUR | | | | |
| TRANSACTION | DELIVERED | | FUEL | | OTHER | TOTAL |
| TYPE | MWH | MWH | CHARGE | DEMAND | CHARGES | CHARGES |
| | | | (\$) | (\$) | (\$) | (\$) |
| LT-CAP | 11,466 | 8,412 | 149, 812.1 0 | 230,256.00 | 42,120.19 | 422,188.29 |
| RESCAP | 0 | 0 | 0.00 | 18,051.77 | 0.00 | 18,051.77 |
| DY-2F | 102,366 | 73,212 | 1,902,253.81 | 0.00 | 3,224,275.93 | 5,126,529.74 |
| DY-2NF | 0 | 90 | 4,549.68 | 0.00 | 3,971,36 | 8,521.04 |
| CMP-UPR | 0 | 0 | 0.00 | 43,992.00 | 0.00 | 43,992.00 |
| SPOT-ENG | 61,731 | 46,665 | 1,529,631.07 | 0.00 | 923,313.74 | 2,452,944.81 |
| MO-F | 32,934 | 22,739 | 418,080.90 | 389,056.74 | 712,981.23 | 1,520,118.87 |
| DY-F | 816 | 736 | 23,397.02 | 0.00 | 31,969,38 | 55,366.40 |
| DY-NF | 9,102 | 4,893 | 138,962,43 | 0.00 | 228,869.36 | 367,831.79 |
| HR-NF | 2,164 | 1,348 | 52,123.72 | 0.00 | 61,223.10 | 113,346.82 |
| GENLOS | 7 | 1 | 64,46 | 0.00 | (64.46) | 0.00 |
| BKI-EXCS | 235 | <u>238</u> | <u>16,187.38</u> | <u>0.00</u> | <u>4,548.04</u> | <u>20,735.42</u> |
| | 220,821 | 158,334 | 4,200,635.17 | ⁽¹⁾ 681,356.51 | 5,267,635.27 | 10,149,626.95 |
| AEP POOL SALES (PRIMARY/ECONOMY) | O | 58,971 | 1,188,247.00 | 0.00 | 243,067.00 | 1,431,314.00 |
| INTERRUPTIBLE BUY/THROUGH (AEP AFF. CO./KY EL. STEEL) | i 0 | 17 | 975.00 | 0.00 | 254.00 | 1,229.00 |
| BOOKOUTS/OPTIONS: | 304,969 | 0 | 0.00 | 0.00 | 10,541,925.00 | 10,541,925.00 |
| TOTALS: | 525,790 | 217,322 | 5,389,857.17 | 681,356.51 | 16,052,881.27 | 22,124,094.95 |
| KPCo's other costs incurred, (othe | r than fuel from A | ccount 151): | | | | 1,176,890.93 |
| KPCo's MLR share of AEP energy c | ost less the actual | energy costs in | curred by KPCo: | | | 2,214,910.50 |
| KPCo's MLR share of the difference | ce (Total AEP ener | gy charges - Tot | al AEP energy cost: | s): | | 1,875,833.84 |
| Total (Other Charges): | | | | | | 5,267,635.27 |

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⁽¹⁾ Includes (\$34,427.40) adjustment for chemicals carried over to Other Charges.

FINAL SCHEDULE MAY 2007 COSTS - ACTUAL

KENTUCKY POWER COMPANY FUEL COST SCHEDULE MONTH ENDED: MAY 2007

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| FUEL CUST SCHEDULE | | | | | |
|---|--------------|------------------|--|--|---|
| MONTH ENDED: MAY 2007 | | | | FUEL | |
| | BIG SANDY | ROCKPORT | ROCKPORT | AMOUNTS | |
| (A) COMPANY GENERATION | (PLANT) | UNIT #1 | UNIT #2 | (\$) | |
| COAL BURNED | 8,537,426.25 | 2,289,020.00 | 0.00 | 10,826,446.2 | 5 |
| OIL BURNED | 302,589.19 | 80,480.00 | 0.00 | 383,069.1 | |
| GAS BURNED | | , | | = | |
| FUEL (JOINTLY OWNED PLANT) | | | | 医子囊 走 经子费 医子宫 医子宫 医子宫子宫 医子 | |
| FUEL (ASSIGNED COST DURING F.O.) | | | | | |
| (0×0.000) | | | | 0.0 | 0 |
| FUEL (SUBSTITUTE FOR F.O.) | | | | الله التي وي التي الله الله وي وي الله الله الله وي وي الله الله الله وي وي الله الله الله الله وي و | |
| SUB-TOTAL | | | | 11,209,515.4 | 4 |
| (B) PURCHASES | | | | | |
| NET ENERGY COST - ECONOMY PURCHASES | | | | 0.0 | ŝ |
| (1) IDENTIFIABLE FUEL COST - OTHER PURCHASES | | | | 5,769,925.7 | |
| IDENTIFIABLE FUEL COST - OTHER FURCHASES | ١ | | | 0,109,200,1 | 6 |
| IDENTIFIABLE FOLL COST (CODOTITOTETORT.C | .) | | | | |
| (0 × 0.000) | | | | 0.0 | 0 |
| SUB-TOTAL | | | | 5,769,925.7 | 2 |
| (C) INTER-SYSTEM SALES | | | | | |
| (1) FUEL COSTS | | | | 6,082,476.1 | 6 |
| TOTAL FUEL COSTS (A + B - C) | | | | 10,896,965.0 | 0 |
| F.O. = FORCED OUTAGE | | | | | |
| DETAILS: | | | | | |
| FUEL (ASSIGNED COST DURING F.O.) | | | | | |
| | _ | | | | |
| QUANTITY OF SUBSTITUTE ENERGY GIVEN AN A. AT THE BIG SANDY FUEL RATE OF: | SSIGNED COST | (Kwh): 20,509 | MILLS/KWH | | 0 |
| | | | | | |
| IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O. PURCHASES SUBSTITUTED FOR F.O.: | .) | | | | |
| | 1.54761 | 12 277 | | ŧ 0.00 | ^ |
| PRIMARY ENERGY (AEP POOL) 00,000,000 CASH PURCHASES FROM NON-AFFILIATED COS. (| kWH N KWH | 13.277 | MILLS/KWH MILLS/KWH | | |
| UNDERFURIENDED EKUMINUN-AFFLLATEU COD. 1 | ~ ~ * * * | | ₽₩}₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩₩ | Ψ 0,00 | - |
| TOTAL PURCHASES (IDENTIFIABLE FUEL COST) | | | | | |
| (SUBSTITUTE FOR F.O.): | Kwh | 13.277 | MILLS/KWH | \$ 0.00 | 0 |
| | | | | | |
| | | | | | |

⁽¹⁾ INCLUDES TOTAL ENERGY COSTS OF NON-ECONOMY PURCHASES AS PER KPSC ORDER OF OCTOBER 3, 2002 IN CASE NO. 2000-00495-B.

KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page20 of 31

| Flow Date | <u>Columbia</u> <u>Gas,</u> <u>Appalachia</u> <u>Gas Daily</u> <u>Avg.</u> (\$/MMBtu) | <u>Park &</u> <u>Lend</u> <u>Service</u> (\$/MMBtu) | <u>Energy</u> <u>Cost</u> (\$/MWh)* | |
|-----------|--|--|---|---------------------------|
| 01-May-07 | 8.025 | 0.1983 | 85.52 | |
| 02-May-07 | 8.020 | 0.1983 | 85.47 | |
| 03-May-07 | 8.040 | 0.1983 | 85.68 | |
| 04-May-07 | 8.030 | 0.1983 | 85.57 | |
| 05-May-07 | 8.200 | 0.1983 | 87.34 | |
| 06-May-07 | 8.200 | 0.1983 | 87.34 | |
| 07-May-07 | 8.200 | 0.1983 | 87.34 | |
| 08-May-07 | 8.085 | 0.1983 | 86.15 | |
| 09-May-07 | 7.915 | 0.1983 | 84.38 | |
| 10-May-07 | 7.865 | 0.1983 | 83.86 | Minimum(75%: \$62.90/MWh) |
| 11-May-07 | 8.015 | 0.1983 | 85.42 | |
| 12-May-07 | 7.920 | 0.1983 | 84.43 | |
| 13-May-07 | 7.920 | 0.1983 | 84.43 | |
| 14-May-07 | 7.920 | 0.1983 | 84.43 | |
| 15-May-07 | 8.270 | 0.1983 | 88.07 | |
| 16-May-07 | 8.100 | 0.1983 | 86.30 | |
| 17-May-07 | 8.080 | 0.1983 | 86.09 | |
| 18-May-07 | 8.175 | 0.1983 | 87.08 | |
| 19-May-07 | 8.355 | 0.1983 | 88.95 | |
| 20-May-07 | 8.355 | 0.1983 | 88.95 | |
| 21-May-07 | 8.355 | 0.1983 | 88.95 | |
| 22-May-07 | 8.185 | 0.1983 | 87.19 | |
| 23-May-07 | 8.185 | 0.1983 | 87.19 | |
| 24-May-07 | 8.155 | 0.1983 | 86.87 | |
| 25-May-07 | 8.175 | 0.1983 | 87.08 | |
| 26-May-07 | 8.040 | 0.1983 | 85.68 | |
| 27-May-07 | 8.040 | 0.1983 | 85.68 | |
| 28-May-07 | 8.040 | 0.1983 | 85.68 | |
| 29-May-07 | 8.040 | 0.1983 | 85.68 | |
| 30-May-07 | 8.085 | 0.1983 | 86.15 | |
| 31-May-07 | 8.320 | 0.1983 | 88.59 | |

* Based on 10,800 Btu/kWh for June - August. * Based on 10,400 Btu/kWh for September - May.

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KPSC Case No. 2006-00507 Letter Date October 10, 2007 Attachment 3 Page21 of 31 .

D 6.00 0.00 275,245 5.76 5.00

0.0Þ

| KE | | 1 MONTH BILLED AND ESTIMATED - MCSR0194 | | | | | | Page: | | | 10 |
|------------------|--|---|-----------------|---------|-------------|---------------|--------|----------|----------|--------|---------|
| | | _ | | | | | | June 200 | 70 | | B- |
| FERC | OPERATING REVENUE ACCOUNTS | | TING REVENUES | | | T-HOUR SALES | | | DMERS | | PER KWH |
| ACCT NO. | · · · · · · · · · · · · · · · · · · · | THIS YR | LASTYR | % CHNG | THIS YR | LAST YR | S CHNG | THIS YR | LASTYR | 2007 | 2006 |
| | BALEB OF ELECTRICITY | | | | | | | | | Į | |
| | RESIDENTIAL WITHOUT SPACE HEATING | | | 3.85 | | ** *** *** | | 60,558 | <i>.</i> | | |
| 4400 002 | | 4,448,732.01 | 4,276,132.09 | | 62,207,716 | 56,903,601 | 9.32 | | £1,743 | 7.14 | 7.51 |
| 4400 001 | WITH BPACE HEATING | 7,161,861,30 | 7,000,455.52 | 2.43 | 102,509,099 | 35,543,375 | 7.29 | 83,175 | 82,377 | 6.99 | 7.33 |
| | TOTAL RESIDENTIAL | 11,603,593.31 | 11,276,588,63 | 2,95 | 164,716,815 | 152, 646, 976 | E.05 | 141,743 | 144,120 | 7.05 | 7.40 |
| | CONNERCIAL | | | | | | | | | 0.00 | 0.00 |
| 4420 001 | DINER THAN PUBLIC AUTHORITELS | 6,295,458.40 | 6, 335, 363, 13 | 0.63- | 68,303,888 | 14.903.726 | 4.00 | 26,465 | 26,189 | 7.13 | 7.46 |
| | PUBLIC AUTHS - SCHOOLS | | | 11.23 | | | 17.30 | 761 | | 1 | |
| 4420 006 | | 1,043,037.03 | 537,706.04 | | 14,778,900 | 12,599,203 | | | 772 | 7.06 | 7.44 |
| 4420 DO7 | PUBLIC AUTHS-OTHER THAN SCHOOL | 1,019,045.30 | 1,037,499.78 | 1.78- | 14,778,274 | 14,522,619 | 1.76 | 2,453 | 2,718 | 6.90 | 7.14 |
| | TOTAL COMMERCIAL | 8,357,540.79 | 8.310,565.93 | 0.57 | 117,861.062 | 112,025,548 | 5.21 | 29,679 | 29,279 | 7.09 | 7.42 |
| | | | | | | | | | | 0,00 | 0.00 |
| | EXCLUSING MINE POWER | | | | 101 .01 000 | | | | | | |
| H20 002 | | 7,445.555.63 | 7,973,394.92 | 6.61. | 191,463,766 | 3#6,246,083 | 2_80 | 95D | 962 | 3 - 89 | 4.20 |
| 420 004 | MINE POWER | 4,323,788.6D | 4,932,754.53 | 12.27- | 80,135,785 | \$7,677,251 | \$.60- | 483 | 505 | 5.39 | 5.63 |
| 420 005 | ASSOCIATED COMPANIES | 8.00 | 0,00 | 100.00 | u | C | 100.00 | ø | 0 | 0.00 | 0.00 |
| | TOTAL INDUSTRIAL | 11,758,344.23 | 12.305.149.45 | 8.81- | 371,599,552 | 273,923,339 | 0.85- | 1,433 | 1,465 | 4.33 | 4.71 |
| | COMMERCIAL AND INDUSTRIAL | 20.125.015.03 | 21.215,716.38 | 5.14- | 389,460,617 | 385,948,887 | 0.91 | 31,217 | 30,745 | 5.17 | 5.50 |
| | PUBLIC STREET & HIGHWAY LIGHT | 1 | | | | | | | | 1 | |
| 440 000 | PUBLIC STREET & HIGHWAY LIGHT | 86,473.59 | 96,865.37 | 10.73- | 563,168 | 609,085 | 7.66- | 171 | 390 | 15.35 | 15.88 |
| | TOTAL PUBLIC STREET & HIGHWAY LIGHT | 86, (72, 53 | 96.865.27 | 10.73- | 563,168 | 609,885 | 7.65- | | 382 | 25.35 | 25.88 |
| | OTHER BALES TO PUBLIC AUTHS | | | | | | | | | 0.0D | 0.00 |
| 4450 001 | PUBLIC SCHOOLS | 0.00 | | 100.00 | р | a | | c | | | |
| | | | D.00 | | | - | 190,00 | | ¢ | c.00 | 0.00 |
| 14 50 002 | OTHER THAN PUBLIC BCHOOLS | G.00 | 0.00 | 100.00 | 0 | • | 100.00 | ° 0 | 0 | 0.00 | 0.00 |
| | TOTAL OTHER SALES TO PUBLIC AUTHS | £.50 | 0.00 | 108.00 | | , O | 100.00 | D | 0 | 0.00 | 0.00 |
| | ULTINATE CUSTOMERS | 31,821,951,72 | 33,589,270.26 | 2.356 | 554,740,395 | 539,005,748 | 2.32 | 175,228 | 175,245 | 5.74 | 6,05 |
| H70 XXX | OTHER ELEC UTILS | 0.00 | 000 | 100.00 | | · · | | | | | |
| | TOTAL GALES FOR RESALE | | | | | a | 100.00 | 0 | 0 | 0.00 | 0.00 |
| | TOTAL BALLS FOR REDALE | 0,00 | 0.00 | 100.00 | 0 | - · · | 100.00 | D | 0 | 0.00 | 0.00 |
| | TOTAL BALES OF ELECTRICITY | | | | | | | | | 00.0 | 0.00 |
| | | 31,821,951.72 | 32,589,170.26 | 2.35- | 554,740,596 | 539,005,74# | 2.92 | 175,228 | 175,245 | 5.74 | 6.05 |
| | NET OF PROVISION PROVISION FOR REFUND | | | | | | | | | | |
| 491 | PROVISION FOR REFUND PROVISION FOR REVENUE REFUND | 0.00 | C. 0D | 100-00 | D | 0 | 100.00 | | 0 | 0.00 | 0.00 |
| | TOTAL PROVISION FOR REFIND | | D.00 | 100.00 | D | | | 6 | - | | |
| | | 0.00 | ¢,00 | 100.00 | v | 0 | 100-00 | | • | 0.00 | 0.00 |
| | TOTAL NET OF PROVISION | D.00 | 0.00 | 100.00 | | | 200,00 | ····· | | | |
| | OTHER OPERATING REVENUES | 0.00 | 0.00 | 100.00 | | | 100,00 | 0 | 0 | 0.00 | 0.00 |
| | OPERATING REVENUE | | | | | | | | | | |
| 500 | FORFEITED DISCOUNTS | 98,613.00 | 138,351.06 | 28.73- | 0 | a | 100.00 | D | o | 0.00 | 0.00 |
| 510 | NUCCELLANEOUS GERVICE REVENUES | | | | Ū | - | | | | | |
| - | | 43,322.30 | 32,912-64 | 32.63 | | 0 | 100.00 | 0 | 0 | C.CD | 0.00 |
| 530 | BALES OF WATER AND WATER POWER | u | 0.00 | 300.00 | C | D | 100.00 | • | D | n.00 | C _ CD |
| 540 | RENT FROM ELE PROPINON ASSOC | D. QC | Ŭ. DD | 200.00 | ٥ | 0 | 100.00 | 0 | a | 0.00 | 0.00 |
| 560 | OTHER ELECTRIC REVENUES | 0.00 | 0.00 | 200.00 | | 0 | 100.00 | 0 | a | 0.00 | 0.00 |
| | TOTAL OPERATING REVENUE | 141,934.39 | 171,273.70 | 17.13- | 0 | D | 100.00 | a | 0 | 0.00 | 0,00 |
| | | } | | 1 | | | | | | D.0D | 0.00 |
| | TOTAL OTUGE OF CREATING DESIGNATION | her als he | 131 831 34 | 17.11.1 | | | | | | | |

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TOTAL OTHER OPERATING REVENUES

TOTAL OPERATING REVENUES

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141,914.19

31,963,886.13

171,273.70

.

33,760,443.96

17.13-

2.43-

0

554, 740, 596

0 100.00

539,005,748 2.92

D

175,228

INVOICE AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 3 Page 22 of 31

| THE CITY OF OLIVE HILL, KENTUCKY | | | | | | | |
|--|---|-----------------|--|-------------------------|--|--|--|
| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 5/8/2007 5/18/2007 117-20406813 | | | | | | |
| INVOICE PERIOD: | | 01-Apr-2007 - | 30-Apr-2007 | Eastern Prevalling Time | | | |
| Billing Information: | | | | | | | |
| - | | <u>Peak kW</u> | <u>\$/kW</u> | Billing \$ | | | |
| Demand Charge: | | | | | | | |
| Peak Date & Time | e: 04/08/07 @ 9:00 | | ι, | | | | |
| | | 4,427 | \$9.26 | \$40,994.02 | | | |
| | | Accumulated kWH | <u>\$/kWh</u> | | | | |
| Energy Charge: | | 1,977,408 | ⁾ \$0.0031396 | \$6,208.27 | | | |
| Fuel Charge: | | 1,977,408 | \$0.0170476 | \$33,710.06 | | | |
| Fuel Adjustment Charge: | | 1,977,408 | \$0.0027866 | \$5,510.25 | | | |
| February 2007 Actual Fuel True-Up: | <u>.</u> | | | | | | |
| Actual F | Fuel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 2,995,023 | \$0.0025232 <u>\$0.0027866</u> \$0.0002634 | \$788.89 | | | |
| January 2007 Actual Fuel True-Up: | | | | | | | |
| Actual Revision 1 I | uel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 2,745,173 | \$0.0019501 <u>\$0.0017586</u> (\$0.0001915) | (\$525.70) | | | |
| PJM Open Access Transmission Ta | ariff | | | \$16,564.49 | | | |
| AMOUNT DUE AEP | | | | \$103,250.28 | | | |
| | METHO | DS OF PAYMENT | | | | | |
| Bank Instructions: | | | | | | | |
| By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generati Account Number 30484544 | ion | | | | | | |
| Billing Questions: (614) 583-6225 or | (614) 583-6149 | | | | | | |

| | AMERICAN AS AGENT FOR KE STATEMENT OF SC | VOICE ELECTRIC POWER NTUCKY POWER COM CHEDULED TRANSACT WITH ANCEBURG, KENTUCH | Letter Da IPANY TIONS | Case No. 2006-00507 Ited October 10, 2007 Attachment 3 Page 23 of 31 |
|--|---|---|--|---|
| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 5/8/2007 5/18/2007 117-20406812 | | | |
| INVOICE PERIOD: | | 01-Apr-2007 - | 30-Apr-2007 | Eastern Prevalling Time |
| Billing Information: | | | | |
| <u>Demand Charge:</u> Peak date & Time | e: 04/10/07 @ 8:00 | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing_\$</u> |
| | | 11,426 | \$9.08 | \$103,748.08 |
| F | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 5,517,935 | \$0.0030769 | \$16,978.13 |
| Fuel Charge: | | 5,517,935 | \$0.0167067 | \$92,186.48 |
| Fuel Adjustment Charge: | | 5,517,935 | \$0.0027309 | \$15,068.93 |
| February 2007 Actual Fuel True-U | <u>D:</u> | | - | |
| Actual | Fuel Adjustment Charge: Fuel Adjustment Charge: 7 Fuel Charge Difference: | 7,202,739 | \$0.0024727 <u>\$0.0027309</u> \$0.0002582 | \$1,859.75 |
| January 2007 Actual Fuel True-Up | i | | | |
| Actual Revision 1 | Fuel Adjustment Charge: Fuel Adjustment Charge: 7 Fuel Charge Difference: | 6,588,896 | \$0.0019111 <u>\$0.0017234</u> (\$0.0001877) | (\$1,236.74) |
| PJM Open Access Transmission 1 | ariff | | | \$25,133.18 |
| AMOUNT DUE AEP | | | | \$253,737.81 |
| Bank Instructions: | METHOD | DS OF PAYMENT | | |
| By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Genera Account Number 30484544 Billing Questions: (614) 583-6225 o | | | | <i>.</i> |
| | | | | |

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| | AMERICAN AS AGENT FOR KE | IVOICE ELECTRIC POWER NTUCKY POWER COMP HEDULED TRANSACTIC WITH | Letter Da | Case No. 2006-00507 nted October 10, 2007 Attachment 3 Page 24 of 31 |
|---|---|---|--|---|
| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | THE CITY/OF O 7/10/2007 7/20/2007 117-20419345 | DLIVE HILL, KENTUCKY | | |
| INVOICE PERIOD: | | 01-Jun-2007 - | 30-Jun-2007 | Eastern Prevalling Time |
| Billing Information: | | | | |
| Demand Charge: | | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing</u> \$ |
| Peak Date & Tin | ne: 06/18/07 @ 17:00 | | | |
| | | 5,083 | \$9.20 | \$46,763.60 |
| | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 2,198,936 | \$0.0033315 | \$7,325.76 |
| Fuel Charge: | | 2,198,936 | \$0.0186328 | \$40,972.33 |
| Fuel Adjustment Charge: | | 2,198,936 | -\$0.0009850 | (\$2,165.95) |
| April 2007 Actual Fuel True-Up: | | | | |
| Actual | Fuel Adjustment Charge: Fuel Adjustment Charge: 7 Fuel Charge Difference: | 1,977,408 | \$0.0027866 <u>\$0.0006002</u> (\$0.0021864) | (\$4,323.40) |
| PJM Open Access Transmission | <u> Tariff</u> | | | \$16,476.05 |
| <u>2006 Annual True-up - Monthly Pa</u> | y <u>ment</u> Jun-07 Jul-07 Aug-07 | \$9,470.36 \$9,470.36 \$9,470.36 | | \$9,470.36 |
| AMOUNT DUE AEP | | | | \$114,518.75 |
| Bank Instructions: By Wire Transfer To: | METHOD | DS OF PAYMENT | | |
| Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Genera Account Number 30484544 | tion | | | |
| Billing Questions: (614) 583-6225 o | r (614) 583-6149 | | | |

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| | AMERICAN AS AGENT FOR KE STATEMENT OF SC THE CITY OF V | NVOICE ELECTRIC POWER NTUCKY POWER COMPA CHEDULED TRANSACTIO WITH ANCEBURG, KENTUCKY | Letter Dai | Case No. 2006-00507 ted October 10, 2007 Attachment 3 Page 25 of 31 |
|---|---|---|--|--|
| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 7/10/2007 7/20/2007 117-20419344 | | | |
| INVOICE PERIOD: | | 01-Jun-2007 - | 30-Jun-2007 | Eastern Prevalling Time |
| Billing Information: | | | | |
| <u>Demand Charge:</u> Peak date & Time: | 06/27/07 @ 17:00 | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing_\$</u> |
| | | 12,514 | \$9.02 | \$112,876.28 |
| Energy Charge: | | Accumulated kWH | <u>\$/kWh</u> | |
| <u>Energy onlinge.</u> | | 5,802,358 | \$0.0032649 | \$18,944.12 |
| Fuel Charge: | | 5,802,358 | \$0.0182602 | \$105,952.22 |
| Fuel Adjustment Charge: | | 5,802,358 | -\$0.0009653 | (\$5,601.02) |
| April 2007 Actual Fuel True-Up: | | | | |
| Actual | Fuel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 5,517,935 | \$0.0027309 <u>\$0.0005882</u> (\$0.0021427) | (\$11,823.28) |
| PJM Open Access Transmission T | ariff | | | \$24,913.30 |
| <u>2006 Annual True-up - Monthly Pay</u> | <u>ment</u> Jun-07 Jul-07 Aug-07 | \$23,432.48 \$23,432.48 \$23,432.48 | · | \$23,432.48 |
| AMOUNT DUE AEP | | | | \$268,694.10 |
| | METHO | DS OF PAYMENT | | |
| Bank Instructions: By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generati Account Number 30484544 | on | | | / |
| Billing Questions: (614) 583-6225 or | (614) 583-6149 | | | |

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| KENTUCKT POVER COMPANY SYSTEM SALES TRACKER JUNE 2007 | | | a | | | | | | | (7) | | (1) | (W) | (N) | (0) (0) | (†) Revenue |
|---|---|------------------------|---------------------|--------------------|------------------|-------------------|-------------------|----------------------------|------------------------------------|-----------------------------|------------------------------|------------------------------|----------------------------|------------------------------|--|--|
| (A) | | (B) COBT | Net (C) | { D } REVENUE F | (E) Revenue F | (F) REVENUE F | REVENUE | REVENUE | REVENUE | REVENUE | | LEVENUE | REVENDE | | | 4470107 |
| i C I | Company, Com | Marce Robert | | | 4470065 | 4470083 | 4470094 | 4470085 | 4470098 | 4470087 | 4470008 | 4470100 | 4470104 | 4010744 | | |
| 5 - | | | 2.891.410 | 0 | 0 | ۵ | 0 | 8 | 00 | ¢¢ | 00 | 00 | | | . | . |
| 0.0 | | 6,885,486 | 2,920,208 | D | • | 0 | • | - | | | 0 | ¢ | 0 | 0 | Ð | c |
| | (15,013) | 13,108 | (28,788) | Ð | 0 | D | Þ | • • | , , | | c | 0 | 8 | 0 | 0 | 0 |
| | Ð | Ð | Ð | o | 0 | | D | o ' | | , c | | 278.850 | Ð | 0 | (8,427) | (145-141) |
| | (254) | 8 | (784) | 0 | (37,192) | Ð | (+00'1) | - 1 | . | | | 0 | Đ | D | | 01 |
| | 13,398,408 255,884 | 702,202,707 203,048 | 5,464,189 53,835 | 00 | 00 | | 00 | | | | 0 | Ð | e. | 0 | ə | - (|
| | | 7 730 168 | 5.410.284 | 0 | D | o | 0 | Ð | 0 | D | 0 | ø | • | D | D | |
| | | 0 | D | • • | 0 | • • | 0 (1.034) | 0- | ~ 0 | 00 | 0 61,604 | 0 278,650 | 00 | •• | 0 (8,427) | (14,441) |
| | 13,123,555 (R) | - | 5,381,211 (T) | | (7) | (W) Roventie | { X } Boverage | (Υ) Revenue | (Z) Revenue | (AA) Revenue | (AB) Revenue | (AC) Revenue | (AD) Reverue ATATADO | (AE) Totel Phy REVENUE | (AE) (AF) (AG) Totel Physical Sales For Resele EVENUE COST NET | (AG) Resele Net |
| | Raverius 4470112 | Revenue 4470115 | 4470117 4470117 | | 44701118 | 4470124 | 4470125 | 4470120 | 4470131 | 4470204 | 0 6020/14 | 4470240 | 0 | 10,808,622 | 6,898,672 | 3,710,850 |
| | 1,178,321 | | 00 | 00 | | | 000 | | (343,430) (343,430) (15,351) | | | | 00 | 10,647,322 | 6,885,488 13,188 | 3,781,636 |
| | (8.738) | 0 | D | Ð | 5 | | | | | • | 8 | Ð | 0 | D | 0 | 0 |
| | • | 0 | 0 | Ð | | | | 1728 6271 | | 934 | (408) | 198,830 | (317,748) | (554,685) | 0 | (554,695) |
| | (30.141) | 12,916 n | 0 0 | • • | | 0 | 5 | 0 | (338,721) | 00 | 00 | 00 | 00 | 14,303,042 256,084 | 7,832,207 203,049 | 6,370,835 63,935 |
| | 0 | 0 | 0 | Ø | ø | Ø | ø | | | | | | 0 | 14,048,058 | 7,728,158 | 6,316,900 |
| | 1,245,357 | D | Ð | 0 | • | D | Ð | D | (127,1855) | - | , т | | | Ð | | |
| | 0 1,208,480 | 0 12,018 | 00 | φD | 80 | 0 28,000 | 0 834 | 0 (728,537) | 0 (354,072) | 0 834 | (408) | 188,838 | (317,748) | 13,453,663 | 7,742,344 | 5,711.319 |
| | (AH) Revenue | (AI) Revenue | (AJ) Revenue | (AK) Revenue | (AL) Revenue | (AM) Revenue | (AN) Revenue | (AO) Revenue Secondo | (AP) Revenue ETETODO | (ACI) Revenue ESDOOOC | (AR) Revenue 5500000 | (AS) Revenue 5500000 | (AT) Revenue 6500000 | (AU) Totel Pi REVENUE | au) (AV) (AV) Total Physical Sales For Resale IBNUE CO3T NEI | (AW) X Resale NET |
| | 6660036 | 5550038 | 6650039 | 5650044 | 558000Z | *000099 | 000+400 | 0000100 | | | c | c | Þ | 10,008,197 | | |
| | (803,425) (608,233) | 00 | 60 | 00 | 00 | | 000 | 000 | 000 | | | 000 | | 10,051,089 (44,892) | 6,855,486 | ., |
| | (7,182) | 0 | D | 0 | 0 | D | 2 | | | | c | 0 | o | D | Ð | |
| | 0 | 0 | 0 | Ð | • | Ð | C) | | | | . 0 | Þ | 0 | (824,511) | | |
| | (101-107) | o | (18,269) | 0 | 0 | ø | (15,88 | (2,300) | 99,61) | | | | D | 13,475,807 | 7,932,207 | |
| | (827,235) n | 00 | 5 6 | 00 | 00 | 00 | | 00 | 00 | - | 0 | | 0 | 258,984 | | |
| | - | | | 0 | Ð | Ð | Ð | 0 | Đ | • | Ð | 0 | Ð | 13,218,823 | 7,729,15 | ctot A F |
| | U (cry')78) | | | • • | 0 | Ø | | | 0 | 00 | | 00 | ~ • | 0 12,548,420 | 7,742,34 | |
| | (853,834) | 0 | (18,289) | o | | D | (15,890) | (0,2,2,0,0) | | | | | | | | 6-0050 10, 200 chment 26 of 3 |
| | | | | | | | | | | | - | | | | | 7 3 51 |

0 Ť

| | (P) For Resala NET | 201,650 199,349 2,201 | 0 | 530,095 | 314,684 0 | 314,684 | 0 848,980 | (AG) of Resele Net | 203,232 201,189 2,048 | (181) | 609,917 | 430,083 0 | 430,083 | 0 1.041.682 | | | ۴ L | (PS ette | | ast ate | Nc Oct | 200 200 Agao Page |)6-00 10, 2 chmo 27 o | 0507 2007 ent 5 of 31 |
|-----------|--|---|------------------|---------------|-----------------------------------|------------------------------------|--|--|---|------------------|-------------------------------|-----------------------------------|------------------------------------|--|-------------------|------------------|----------------|---------------|-----------------------------|---------------------|------------------|-----------------------------------|--|---|
| | (N) (O) (P) Subional Non Physical Seles For Resails REVENUE COST NET Subional | 0,167,253 0,147,423 25,830 | 0 | 57,541 | 0,588,846 0 | 8,588,846 | 0 0 | Ę. | 9,107,253 9,141,423 25,830 | Ð | 58,953 | 9,568,646 D | 9,566,646 | 0 8,849,429 | | | | | COST | and a for cose | | 13.188 7,720,158 | | 0506 2002 ent 5 of 31 |
| | (N) Subforal Non. REVENUE | 9,368,803 9,340.772 28,031 | o | 687,636 | 9,881,330 0 | 9,661,330 | 0 10,496,997 | (AE) Fotal Non F REVENUE | 8,370,485 9,342,809 27,878 | (1984) | 669,870 | 0,868,709 0 | 8,888,709 | 0 10,881,091 | | | | | REVENUE | | | (43,210) (43,202) (434,202) | | 2357 38924 |
| | (M) Revenue A470108 | 000 | 0 | 52,957 | 00 | 0 | 0 62,857 | (q v) | | | | | | | | | | | | | | ADJ. | ***** | NET |
| | (L) Revenue 4470099 | | D | 179,413 | | D | 0 178,413 | (AC) Cost 5550045 | | | | | | | | | Cost Fee | | 7,729,158 | Ð | | | | 7,729,158 |
| | (K) Revenue 4470082 | 5,188 5,057 142 | 0 | 229,864 | 78,460 0 | 78,460 | 0 306.488 | (AB) Cost 6550039 | | D | Ð | 00 | 0 | 00 | | | Cost | 11.188 | 0 | | | | | 13,465 |
| | (J) Rovenue 4470081 | | 0 | 66,719 | 00 | D | 0 68,719 | (AA) Cost 6550038 | | o | Þ | 00 | 0 | 80 | | | Revenue | | 0 | 17,205,804 | 0 7.729.158 | 42,358 58,853 | Ð | 13,034,202 |
| | (;) Net | (14.747) (13.748) (898) | D | Ð | (16,958) D | (16,986) | 0 (17,884) | (Z) Cosi 5650034 | 000 | Đ | D | 00 | 0 | 00 | | | Revenue Adi | -112 D101 | (1985) | 39,016 | 0 13.168 | | | (43,210) |
| | (H) Commissions 4470010 | 8.870 8.845 325 | D | D | 8,782 0 | 8,782 | 0 8,107 | (Y) Cost 4470XXX | | o | 0 | 00 | 0 | 00 | | | | | | | | | | |
| | [G] Brokers C 4470008 | (777.7) (77,104) (873) | Þ | Ð | (8,204) D | (8,204) | 0 (8,877) | (X) Cosi 4470132 | 000 | o | D | 00 | | 00 | | 13,090,783 | 2,512,386 | 7,742,344 | D | | 2,636,053 | 6,848,738 | | (3,012,885) |
| | (F) Net | | 0 | Ð | • • | 0 | | (W) Cost 4470111 | | 0 | D | 00 | 0 | 80 | | | | | | | 2 3) | | | |
| | (E) Crei 4470011 | | 0 | o | 00 | 0 | 00 | (V) Cont 4470110 | | D | (889) | 00 | | 0 (588) | ion to query | XX Query | ü | :03T | (seded) | | ET PROFIT/(LOS9) | | | |
| | (D) Revenue 4470007 | | ø | 0 | 00 | 0 | 00 | (U) Cost 4470072 | 000 | o | 0 | 00 | 0 | 00 | RECONCILIATION TO | TOTAL 44700XX Gu | LESS ASSOC | LE3S 8/3 COST | Adjustmeni (il Needed | backad | SY9/BALES NET PR | NEL | | DIFFERENCE |
| | (c) Net | 211,098 208,041 3,057 | 0 | 1,142 | 253,210 0 | 253,210 | 0 257,409 | (T) Revenue 4470XXX | | 0 | | 00 | | 00 | | | ž | 3,310,757 | 3,300,769 (58,032) | (196) | (14,584) | 5,873,683 53,935 | 6,918,728 | 0 5,848,738 |
| | (B) Cast 4470010 | 0,160,283 8,134,778 25,505 | D | 175'25 | 9,557,664 D | 9,557,884 | 0 8,840,910 | (S) Rovernie A470144 | 000 | (384) | 0 | 00 | | 0 (186) | | | Cost | 19,085,925 | 10,020,809 30,018 | Ð | 58,853 | 17,498,653 203,049 | 17,205,804 | 0 0 |
| | (A) Revenue 4470008 | 8,371,381 8,342,819 28,582 | | 58,683 | 9,811,074 0 | 9.811.074 | 0 8,888,315 | (R) Rev <i>enut</i> 4470143 | 1,882 1,837 (155) | | 78,Z34 | 115,379 0 | 115,378 | 0 184,458 | | | Печепие | 19,376,882 | 18,393,698 (17,018) | (196) | 42,358 | 23,472,518 258,984 | Z3,Z15,53Z | 0 23,240,511 |
| JUNE 2007 | Areas and the second | ACTUAL ESTIMATE ADJ. | | | ESTIMATE | | TOTAL | annar sh' RTA | ACTUAL ESTIMATE Ani | | | ESTIMATE | | TOTAL | | | | ACTUAL | | | | ESTIMATE | _ | TOTAL |
| 5 | الم 1944مانيا لادام ، كاند 3 ما الاممام ، 124 ملكم من | 19 PRIOR MO. 20 PRIOR MO. 21 CURR MO. | CSW DOLLAR TRNFR | TERMERINALINY | * 24 CURR MO. 25 ADJUSTMENT | Total Current Month 26 Estimate | CSW DOLLAR 27 TRANSFER - EST 28 CURR MO. | նու Բերեզմ ֆերե - Չոնս Բու Ասուն - ՔՀՈ Ոււսաստ | 28 PRIOR MO. 30 PRIOR MO. 31 CUBR MO. | CSW DOLLAR TRNFR | Clini Booton 33 Annascione | • 34 CURR MO. 35 ADJISTMENT | Totel Current Munth 36 Estimate | CSW DOLLAR 37 TRANSFER - E8T 38 CURR MO. | | | | 38 PRIOR MO. | 38 PRIOR MO. 40 CURR MO. | 41 CSW DOLLAR THAFR | 42 Tradescherus | 43 CURR MO. 44 ADJUSTMENT | Total Current Moniti 45 Estimate CSN DOI: 45 | 46 TRANSFER-EBT 47 CURR.MO. TOTAL 23,240,511 17,391,773 5,848,738 DIFFERENCE (3,012,885) (43,210) 13,834,282 13,188 7,728,158 NET 47 CURR.MO. TOTAL 23,240,511 17,391,773 5,848,738 DIFFERENCE (3,012,885) (43,210) 13,834,282 13,188 7,728,158 NET |

242

KENTUCKY POWER COMPANY SYSTEM SALED TRACKER

| Monthly Environmental Surcharge Report Analysis | | | | |
|--|---------------------------|----------------------|---|--|
| Monthly Environmental Surcharge Report Analysis | Current | KASE Cas | No. 2006-00507 | Percentag |
| June 2007 | Month | Matten Date | Octob pinererice 7 Attachment 3 | Change |
| ES FORM 1.00 | | | | |
| Line 1- CRR from ES Form 3.0 | 2,691,620 | 2,915,796 | (224,176) | -7.69 |
| Line 2A- Brr from ES Form 1.10 | 1,913,578 | 1,514,859 | 398,719 | 26.32 |
| Line 3- E(m) (Line 1 - Line 2) | 778,042 | 1,400,937 | (622,895) | -44.46 |
| | 770,042 | 1,400,007 | (022,030) | |
| Line 4 - Kentucky Retail Jurisdictional Allocation Factor, ES FORM 3.30 Schedule of Revenues, Line 1 | 63.6% | 67.8% | -4.20% | |
| Line 5A - KY Retail E (m) (Line 3 * Line 4) | 494,835 | 949,835 | (455,000) | -47.90 |
| Line 5B - Monthly Increase in Jurisdictional Environmental Revenue Requirement per | | | | |
| Case No. 2006-00128, dated January 31, 2007 | 95,494 | 95,494 | 0 | 0.00 |
| Line 6 - (Over)/Under Recovery Adjustment from ES Form 3.30 | 78,185 | (168,809) | 246,994 | -146.32 |
| Line 7 - Net KY Retail E (m) (Line 5 + Line 6) - Expense | 668,514 | 876,520 | (208,006) | -23.73 |
| Line 8 - Net Retail E(m) (line 7) - Expense | 668,514 | 876,520 | (208,006) | -23.73 |
| | | | | |
| Line 9 - KY Retail R(m) from ES Form 3.3 - Revenue | 31,821,952 | 28,451,204 | 3,370,748 | 11.85 |
| Line 10 - Environmental Surcharge Factor for Expense Month (Line 8 / Line 9) | 2.1008% | 3.0808% | -0.9800% | -31.81 |
| | | | | |
| Environmental Costs ES FORM 1.00, Line 3 (Environmental Costs to be Allocated) | 778,042 | 1,400,937 | (622,895) | |
| ES FORM 1.00, Line 3 (Environmental Costs to be Allocated) ES FORM 1.00, Line 5B (Retail Customers Only) | 95,494 | 95,494 | (022,095) | |
| ES FORM 1.00, Line 6 (Over/Under Recovery) (Retail Customers Only) | 78,185 | (168,809) | 246,994 | |
| Total Environmental Costs | 951,721 | 1,327,622 | (375,901) | ······································ |
| | | | | |
| Allocation of Environmental Costs | | | | |
| Kentucky Retail Revenues | 668,514 | 876,520 | (208,006) | |
| FERC Wholesale Revenues | 5,446 | 15,410 | (9,964) | |
| Associated Utilities Revenues | 82,472 | 99,467 | (16,995) | |
| Non-Associated Utilities Revenues (Off System Sales) Total Environmental Costs By Revenue Category | <u>195,289</u> 951,721 | 336,225 1,327,622 | (140,936) (375,901) | |
| Jotal Environmental Costs By Revenue Category | 331,721 | 1,521,022 | (57 5,50 1) | |
| ES FORM 1.00, Line 3 (Environmental Costs to be Allocated) | 778.042 | 1,400,937 | (622,895) | |
| % of Kentucky Retail Revenues to Total Revenues for Month | 63.6% | 67.8% | (022,030) | |
| Applicable KY Retail Environmental Costs | 494,835 | 949,835 | (455,000) | |
| ES FORM 1.00, Line 5B (Retail Customers Only) | 95,494 | 95,494 | | |
| ES FORM 1.00, Line 6 (Over/Under Recovery) (Retail Customers Only) | 78,185 | (168,809) | 246,994 | |
| Total Environmental Costs To Be Recovered | 668,514 | 876,520 | (208,006) | |
| | | | | ······ |
| ERC Wholesale Revenues | 0,7% | 1.1% | | |
| Associated Utilities Revenues (Off System Sales) | 10.6% 25.1% | 7.1% | | • |
| Non-Associated Utilities Revenues (OI) System Sales) | 20,1% | 24.0% | | |
| ES FORM 3.00 | | | · | |
| First Component: Total Revenue Requirement - Big Sandy | | | f | * #* #### ···· |
| Record on ES FORM 3.00, Line 1 | 3,104,980 | 3,227,641 | (122,661) | |
| Second Component: Kentucky Power Company Portion of Rockport Total Revenue | | | | |
| Requirement, Record on ES FORM 3.20, Line 2 | 48,609 | 48,438 | 171 | |
| Third Component: Net Gain/(Loss) from Emission Allowance Sales | 461,969 | 360,283 | 101,686 | |
| Total Current Period Revenue Requirement, CRR | | | | |
| Record on ES Form 1.0 | 2,691,620 | 2,915,796 | (224,176) | |
| | | | | |
| | | | $-\frac{1}{1}$ | |
| | | | | ······ |

| Kentucky Power Company | | <u> </u>] | | |
|--|---------------------------------------|---|--|----------------------|
| Monthly Environmental Surcharge Report Analysis | Current | KESC Case | No:-2006-00507- | Deserved |
| June 2007 | Current Month | Letter Date | No: 2006-00507 Dotober 10, 2007 | Percentage Change |
| | | mornin | Page 29 of 31 | Gillinge |
| | | | | |
| ES FORM 3.10 | | | | |
| Line 1 - Utility Plant at Oringinal Cost | 191,086,055 | 191,086,055 | 0 | |
| Line 2 - Less Accumulated Depreciation | (34,852,455) | (34,229,909) | (622,546) | |
| Line 3 - Less Accum. Def. income Taxes | (33,859,759) | (33,572,199) | (287,560) | |
| Line 4 - Net Utility Plant Line 5 - SO2 Emission Allowance Inventory from ES FORM 3.11 | 122,373,841 | 123,283,947 11,705,515 | (910,106) (202,855) | |
| Line 5 - SO2 Emission Allowance Inventory from ES FORM 3.11 | 0 | 0 | (202,855) | |
| Line 3 - Cash Working Capital Allowance from ES FORM 3.13, Line11 | 121,614 | 124,040 | (2,426) | |
| Line 8 - Total Rate Base | 133,998,115 | 135,113,502 | (1,115,387) | |
| Line 9 - Weighted Average Cost of Capital - ES FORM 3.15 | 10.15% | 10,15% | 0.00% | |
| Line 10 - Monthly Weighted Avg. Cost of Capital (9) / 12 | 0.85% | 0.85% | 0.00% | |
| Line 11 - Monthly Return of Rate Base (8) * (10) | 1,138,984 | 1,148,465 | (9,481) | |
| Operating Expenses : | | | | |
| Line 12 - Monthly Depreciation Expense | 576,258 | 576,258 | 0 | |
| Line 13 - Monthly Catalyst Amortization Expense | 46,030 | 46,030 | 0 | |
| Line 14 - Monthly Property Taxes | 15,153 | 15,153 | 0 | |
| Line 15 - Monthly Kentucky Air Emissions Fee | 20,849 | 32,201 | (11,352) | |
| | | | | |
| Line 16 - Monthly Environmental AEP Pool Capacity Costs from ES FORM 3.14, Page | | 4.050.004 | | |
| 1 of 11, Column 5, Line 10 / Monthly Gavin Scrubber Cost from ES FORM 3.14 | 805,638 | 1,056,601 | (250,963) | |
| Line 17 - Monthly 2003 Plan Non-Fuel O&M Expenses from ES FORM 3.13 Line 18 - Monthly SO2 Emission Allowance Consumption - ES FORM 3.11 | 332,040 170,028 | 235,191 | 96,849 | |
| Line 18 - Monthly SO2 Emission Allowance Consumption - ES FORM 3.11 | 170,020 | 117,742 | 52,286 | |
| ES FORM 3.12 | o | o | 0 | |
| Line 20 - Total Operating Expenses [Line 12 thru Line 18] | 1,965,996 | 2,079,176 | (113,180) | |
| Line 21 - Total Revenue Requirement - Big Sandy - | 1,000,000 | 2,070,170 | (110,100) | |
| Record on ES FORM 3.00, Line 1 | 3,104,980 | 3,227,641 | (122,661) | |
| · · · · · · · · · · · · · · · · · · · | | | 1 | |
| ES FORM 3.11 | - | | | * |
| SO2 Emission Allowance Inventory | 11,502,660 | 11,705,515 | (202,855) | |
| SO2 Emissions Allowances Consumed By Kentucky Power | 4,273 | 2,959 | 1,314 | |
| SO2 Allowance Management System - Internal Purchases | 0.0 | | | |
| SO2 Allowance Management System - Internal Purchases | 0.0 | 0.0 | 0.0 | |
| SO2 Allowance Management System - Internal Sales | 0.0 | 0.0 | 0.0 | |
| SO2 Allowance Management System - External Sales | 825.0 | 749.0 | 76.0 | * |
| SO2 Allowance Management System - Adjustments | 0.0 | 0.0 | 0.0 | |
| SO2 Allowance Management System - Consumption | 4,273.0 | 2,959.0 | 1,314.0 | |
| | | | | |
| Member Load Ratio - KPC (ES FORM 3.11) | 0.06896 | 0.07488 | (0.00592) | |
| | | | | |
| ES FORM 3.12 ECR & NOx Emission Allowance Inventory | 0 | 0 | 0 | |
| ECR Consumed By Kentucky Power | | 0 | 0 | |
| NOx Consumed By Kentucky Power | 549 | 449 | 100 | |
| | | | | |
| ES FORM 3,13 | | | | |
| 1997 Plan : | | | | |
| Monthly Kentucky Air Emissions Fee | 20,849 | 32,201 | (11,352) | |
| Total Monthly AEP Pool Environmental Capacity Costs / Monthly Gavin Scrubber Costs | 449,996 | 607,187 | (157,191) | -1 |
| Monthly SO2 Allowance Consumption Total 1997 Plan O&M Expenses | 170,028 640,873 | 117,742 757,130 | 52,286 (116,257) | |
| | 010,010 | 107,100 | (110,237) | |
| | | | 1 | |
| | | | 0 | |
| 2003 Plan : | O. | 0 | | ······ |
| 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 | 0. 328,610 | 0 207,116 | 121,494 | |
| 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 | 328,610 0 | 207,116 0 | 121,494 | |
| 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 Monthly ERC & NOx Allowance Consumption | 328,610 0 0 | 207,116 0 0 | 121,494 0 0 | |
| 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 Monthly ERC & NOx Allowance Consumption Equipment - Associated Operating Expense | 328,610 0 0 0 | 207,116 0 0 1,059 | 121,494 0 0 (1,059) | |
| 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 Monthly ERC & NOx Allowance Consumption Equipment - Associated Operating Expense Equipment - Associated Maintenance Expense | 328,610 0 0 0 3,430 | 207,116 0 0 1,059 27,016 | 121,494 0 0 (1,059) (23,586) | |
| 2003 Plan : Image: Construct of the system of the syst | 328,610 0 0 0 | 207,116 0 0 1,059 | 121,494 0 0 (1,059) | |
| 2003 Plan : | 328,610 0 0 3,430 332,040 | 207,116 0 0 1,059 27,016 235,191 | 121,494 0 0 (1,059) (23,586) 96,849 | |
| 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 Monthly ERC & NOx Allowance Consumption Equipment - Associated Operating Expense Equipment - Associated Maintenance Expense | 328,610 0 0 0 3,430 | 207,116 0 0 1,059 27,016 | 121,494 0 0 (1,059) (23,586) | |

207 4

| Kentucky Power Company | | | | |
|---|-------------------------|-----------------------|----------------------|------------|
| Monthly Environmental Surcharge Report Analysis | | | | |
| h | Current | Prior Month | Difference | Percentage |
| June 2007 | Month | INOL FLI | Dhierence | Change |
| | | | | |
| | | | | |
| | | | | |
| ES FORM 3.14 | | | | |
| Total AEP Pool Monthly Environmental Capacity Costs to Kentucky Power | 805,638 | 1,056,601 | (250,963) | |
| | | | | |
| Gavin Scrubber Expense: | 000 705 | 639.259 | (370.534) | |
| Sludge Removal | 268,725 | 2,883,016 | 250,799 | |
| Lime Consumption | 4,253,067 | 4,253,067 | 230,799 | |
| Scrubber Maintenance (Only 50% is Applicable) | 143,140 | 584,168 | (441,028) | |
| Total Gavin Scrubber Expenses | 7,798,747 | 8,359,510 | (560,763) | |
| Scrubber Cost to Kentucky Power (ES FORM 3.10, Line 15) | 0 | 0 | 0 | |
| | | | | <u> </u> |
| Surplus Capacity kW | | | | |
| OPCo | 2,737,900 | 2,870,800 | (132,900) | |
| I&M | 52,300 | 156,300 | (104,000) | |
| Total | 2,790,200 | 3,027,100 | (132,900) | |
| Ohio Power Surplus Weighting | 98% | 95% | 3.00% | |
| Indiana Michgan Power Surplus Weighting | 2% | 5% | -3.00% | |
| Variation Down Compation Definit | 362,900 | 478,100 | (115,200) | |
| Kentucky Power Capacity Deficit | 302,900 | 470,100 | (113,200) | |
| ES FORM 3.20 | | | | |
| (Costs Associated with Rockport) | | | | |
| Line 12 - KPC Portion of Costs Associated with Rockport, | | | | |
| Record on ES FORM 3.00 | 48,609 | 48,438 | 171 | |
| | | | | |
| | | | | |
| ES FORM 3.30 | | | | |
| Kentucky Retail Revenues | 31,821,952 | 28,451,204 | 3,370,748 | |
| FERC Wholesale Revenues | 350,585 | 478,578 | (127,993) | |
| Associated Utilities Revenues | 5,288,411 | 2,964,559 | 2,323,852 | |
| Non-Associated Utilities Revenues | 12,549,420 | 10,070,744 | 2,478,676 | |
| Physical Revenues for Month | 50,010,368 1,041,663 | 41,965,085 271,951 | 8,045,283 769,712 | |
| Non Physical Revenues for Month Total Revenues for Month | 51,052,031 | 42,237,036 | 8,814,995 | |
| Total Revendes for Month | 51,002,001 | 42,201,000 | 0,014,335 | |
| % of Kentucky Retail Revenues to Total Revenues for Month | 63.6% | 67.8% | -4.2% | |
| % of FERC Wholesale Revenues to Total Revenues for Month | 0.7% | 1.1% | -0.4% | |
| % of Associated Utilities Revenues (Off System Sales) | | | •• | |
| to Total Revenues for Month | 10.6% | 7.1% | 3.5% | |
| % of Non Associated Utilities Revenues to Total Revenues for Month | 25.1% | 24.0% | 1.1% | |
| Total | 100.0% | 100.0% | 0.0% | |
| | | | | |
| Quarillinder Passuary Adjustment | | <u>_</u> | | |
| Over/(Under) Recovery Adjustment Kentucky Retail Surcharge Factor For - | | | | |
| April 2007 / March 2007 | 1.2693% | -1.1149% | 2.3842% | |
| Kentucky Retail Revenues for Current Expense Month | 27,073,820 | 23,784,196 | 3,289,624 | |
| Surcharge Collected | 343,648 | (265,170) | 608,818 | |
| Surcharge Amount To Be Collected | 421,833 | (433,979) | 855,812 | |
| | | | | |
| Over/(Under) Recovery - Record on ES FORM 1.00, Line 6 | (78,185) | 168,809 | (246,994) | |

384

| Total 2007 | | 28, 108,883 | | | | 672,964 | | | | | | | 1,677,628 18,158 142,505 482,281 2,200,472 | | | | | | tober 1 Attac | 6-00507 10, 2007 hment 3 31 of 31 |
|---|--|-------------------------------|--------------------------------|---|---|--|---|--|--|---|---|--|--|--|--|---|--|--|--|---|
| December 2007 | | 1,407,969 | | 0.0% | | Ð | | | | | | | | | | | | | | |
| November 2007 | | 2,588,522 | | 0.0% | | Ð | | | | | | | | | | | | | | |
| Ociobar 2007 | | 2,181,975 | | °40`0 | | C | | | | | | | | | | | | | | |
| Septambar 2007 | | 2,852,305 | | 0.0% | | Ċ | | | | | | | 80000 | | | | | | | |
| August 2007 | | 2.342,883 | | 0.0% | | 0 | | | | | | | 00000 | | | | | | | |
| July 2007 | | 2,818,212 | | 0.0% | | o | | | | | | | | | | | | | | |
| June 2007 | 2691620 | 1,913,578 | 778,042 | 63.6% | 484,835 | 95,494 | 78,185 | 668,514 | 668,514 | 31,821,952 | 2.1008% | 778,042 85,484 78,185 881,721 | 888,514 5,446 82,472 185,289 831,721 | 778,042 03,0% 484,635 05,484 78,195 886,614 | 0.7% 10.6% 25.1% | 3,104,080 | 48,609 | 461,869 | 2,691,620 | 31,821,952 350,585 5,288,411 12,549,420 50,010,388 1,041,883 51,082,031 |
| May 2007 | 2,915,798 | 1,514,859 | 1,400,837 | 67.8% | 949,835 | 85,484 | (188,809) | 876,520 | 878,520 | 28,451,204 | 3.0808% | 1,400,937 95,494 (168,809) 1,327,622 | 878.820 15,410 88,487 338,225 1,327,822 | 1,400,937 <u>67,9%</u> 949,835 95,484 [198,809] 976,520 | 1.1% 7.1% 24.0% | 3,227,841 | 48,438 | 360,283 | 2,815,796 | 28,451,204 478,578 2,964,558 10,070,744 41,095,085 271,951 271,951 |
| April 2007 | 2,585,486 | 2,095,535 | 489,961 | 71.1% | 348,382 | 85,484 | (22,023) | 421,833 | 421,833 | 33,233,581 | 1.2883% | 489,901 95,484 (22,023) 563,432 | 421,633 3,920 39,992 97,992 683,432 | 488,961 71,1% 348,362 85,484 421,833 | 0.8% 8.1% 20.0% | 2,792,183 | 48,927 | 253,594 | 2,685,498 | 33,233,581 350,816 3,785,680 3,3716 48,733,487 1,351,561 1,351,561 48,085,035 |
| March 2007 | 2,088,092 | 2,845,068 | (758,974) | 70.3% | (533,559) | 85,484 | 4,086 | (433,878) | (433,979) | 38,925,415 | -1,1149% | (758,974) 95,484 4,088 (859,394) | (423,979) (5,33) (5,5,857) (7,5,8205) (445,205) | (758,874) 70,375 (533,559) 95,484 4,08 <u>6</u> 4,08 <u>6</u> | 0.7% 10.0% 19.0% | 2,648,857 | 51,218 | 615,081 | 2,088,092 | 38,825,415 387,856 5,525,732 10,500,850 15,732,885 1,374,985 68,714,885 |
| February 2007 | 2,756,786 | 3,003,995 | (247,209) | 78,8% | (180,104) | 95,494 | (16,487) | (111,097) | (111,097) | 41,184,282 | -0.2898% | (247,209) 85,494 (16,487) (166,2 02) | (111.097) (11.097) (11.619) (13.281) (168,202) | (247,209) 7 <u>6,976</u> (190,104) 95,494 (19,487) (111,097) | 0,8% 4.7% 17,5% | 2,712,283 | 44,503 | Ð | 2,758,788 | 41,184,282 494,535 2,512,385 8,387,315 9,387,315 5,4789,610 54,789,610 |
| January 2007 | 2,848,786 | 2,531,764 | 115,002 | 74,3% | 85,446 | 95,484 | (26,203) | 165,737 | 155,737 | 39,728,843 | 0.3820% | 115,002 95,494 (25,203) 185,283 | 155,737 920 9,395 20,241 185,283 | 115,002 74,3% 85,448 85,494 126,203) 158,737 | 0.8% 7.3% 17.8% | Z,602,387 | 44,419 | Ø | 2,646,788 | 38,728,843 452,308 3,923,425 9,421,488 9,421,488 5,05,913 54,531,979 |
| Kentucky Power Company Monthly Environmental Surcharge Report Analysie | ES FORM 1.00 Line 1- CRR from ES Form 3.0 | Line 2A-Bir from ES Form 1.10 | Line 3- E(m) (Line 1 - Line 2) | Line 4 - Kentucky fielal Juristicilonal Allocation Factor, ES FORM 3.30 Schedule of Revenues, Line 1 | Line 6A - KY Retail E (m) (Line 3 * Line 4) | Line 58 - Monthly Increase in Jurisdiculonal Environmental Reverve Requiroment per Case No. 2008-00128, dated January 31, 2007 | Lina 6 - (Over)/Under Recovery Adjustment from ES Form 3.30 | Line 7 - Nei KY Retail E (m) (Line 5 + Line 8) - Expense | Une 9 - Net Relail E(m) (fine 7) - Ехрапве | Цпе 9 - KY Relail R(m) from ES Form 3.3 - Revenue | Line 10 - Environmenial Surcharge Factor for Expense Month (Line 8 / Line 8) | Environmental Costa To Be Recovered ES FORM 1.00, Une 3 (Environmental Costs to be Allocated) ES FORM 1.00, Une 58 (Retat Customers Only) ES FORM 1.00, Une 5 (OverUnder Recovery) (Retat Customers Only) Total Environmental Costs To Be Recoverd | Allocation of Environmental Costs Kentucky Retail Revenues FERC Wholseis Revenues Associated Utilities Revenues (Of System Sales) Non-Associated Utilities Revenues (Of System Sales) Total Environmental Costs By Revenue Category | ES FORM 1.09, Line 3 (Environmenial Ceats to be Allocated) % of Kentudoy Ratali Revenues to Total Revenues for Month Applicable KY Retail Environmental Costs ES FORM 1.09, Line 3 (Retail Conformers Chiy) ES FORM 1.00, Line 3 (Retail Conformers Chiy) ES FORM 1.00, Line 3 (CoveI/Under Recovery) (Ratal Customers Only) Total Environmental Costs TO Be Recovered | FERC Wholessie Revenues Associated Utitities Ravenues Non-Associated Utitities Ravenues (Off System Bales) | Es FORM 3.00 Firal Compunent: Tolei Revenue Raqubamant - Big Sandy Record on ES FORM 3.00, Line f | Second Component: Kenlucky Power Company Portion of Rockport Total Ravenue Requirement, Record on ES FORM 3.20, Une 2 | Third Component: Net Gain/(Loza) from Emission Allowance Saies | Total Current Period Revenue Requirement, CRR Record on ES Form 1.0 | ES FORM 3.30 Kanucky Rehail Revenues FERC Wholesate Revenues Associated Utillies Revenues Non-Associated Utillies Revenues Non-Physical Revenues for Month Total Revenues for Month |

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Ittachment 4 age 1 of 42

Kentucky POWER

A unit of American Electric Power

Kentucky Power P 0 Box 5190 **101A Enterprise Drive** Frankfort, KY 40602 KentuckyPowar.com

Elizabeth O'Donnell, Executive Director **Public Service Commission** Attn: Daryl Newby P. O. Box 615 Frankfort, KY 40602

RECEIVED

JUN 18 2007

PUBLIC SERVICE COMMISSION

If you have any questions, please advise.

Sincerely, June/ 18 July 2007

Dear Ms. O'Donnell and Mr. Newby:

Attached are Kentucky Power Company's fuel adjustment clause schedules with supporting sales and fuel cost schedules. These calculations are based on an estimated May 2007 fuel costs with an adjustment reflecting actual April 2007 fuel costs.

The fuel adjustment clause factor of \$0.00758/kwh will be applied to our July 2007 billing. Pursuant to the Commission's Order dated October 3, 2002 in Case No. 2000-495B, page 5 reflects the peaking unit equivalent approach used to calculate the level of non-economy purchased power costs to flow through the fuel adjustment clause.

Also, we are attaching the system sales clause schedule with a supporting net revenue schedule calculated pursuant to the Commission's March 14, 2006 Order in Case No. 2005-00341. These calculations are based on an estimated May 2007 net revenue with an adjustment reflecting the true-up of April 2007 net revenue. Pursuant to the Settlement Agreement and the Commission's March 14th Order in Case No. 2005-00341 and the Company's System Sales Clause Tariff, net system sales revenue up to and including \$30M for the billing period April 1, 2007 through March 31, 2008 shall be based on 70/30 percent sharing basis. When the Company surpasses the off-system sales margin of \$30M, the customer sharing mechanism shall be on a 60/40 basis. The System Sales Clause Schedule, page 1 of 2, shows the net revenue level applied to our July 2007 billing will be in the amount of \$2,954,780 for a YTD total of \$13,908,881.

The net system sales clause factor of \$(0.0007856)/kwh (a credit) will be applied to our July 2007 billing.

All billings during July 2007 will show a combined factor of \$0.0067944/kwh.

R agner Errol K. Wagner Í

Director of Regulatory Services

(all via email) bcc: Robin Wiseman - Canton (w/a) Justin O'Neil - Columbus (w/a) O. J. Sever, Jr. - Columbus (w/a) Jeff Brubaker - Cols (w/a) Steve M Trammell - Tulsa, (w/a)

John Pulsinelli – Columbus (w/a) Andrea M. Wallace – Cols (w/a) KPCo Regulatory File Book

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 2 of 42

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

(+)

(+)

Month Ended:

May 2007

1 Fuel Adjustment Clause Factor (Page 1 of 5)

2 System Sales Clause Factor (Page 1 of 2)

3 Total Adjustment Clause Factors

Effective Date for Billing

Submitted by:

(Signature)

Title:

Date Submitted:

June 18, 2007

Director of Regulatory Services

-.0007856

\$0.00758

\$0.0067944

July 2007

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 3 of 42

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

| Month Ended: | May 2007 | | |
|------------------------------|--------------|----------|----------|
| Fuel Fm (Fuel Cost Schedule) | \$12,645,960 | | |
| Sales Sm (Sales Schedule) | 525,019,000 | (+) | 0.02409 |
| Fuel (Fb) | \$8,703,098 | | |
| Sales (Sb) | 527,226,000 | (-) | 0.01651 |
| | | | 0.00758 |
| | | | (\$/KWH) |
| | | | |
| Effective Date for Billing | J | aly 2007 | |

EXM Submitted by: (Signature)

Title:

Director of Regulatory Services

Date Submitted:

June 18, 2007

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 4 of 42

Page 2 of 5

KENTUCKY POWER COMPANY

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FUEL COST SCHEDULE

| | Month Ended: May 2007 | | |
|----|---|--|---|
| A. | Company Generation Coal Burned Oil Burned Gas Burned Fuel (jointly owned plant) Fuel (assigned cost during F. O.) Fuel (substitute for F. O.) Sub Total | (+) (+) (+) (+) (+) (-) | \$8,537,426 302,589 0 0 0 0 8,840,015 |
| B. | Purchases Net Energy Cost - Economy Purchases Identifiable Fuel Cost - Other Purchases Identifiable Fuel Cost (substitute for F. O.) Sub Total | (+) (+) (-) | 0 10,954,186 0 10,954,186 |
| C. | Inter-System Sales Fuel Costs Sub Total | | 7,966,084 7,966,084 |
| D. | Total Fuel Cost (A + B - C) | | \$11,828,117 |
| E. | Adjustment indicating the difference in actual fuel cost and the estimated cost for the month of April 2007 and the estimated cost originally reported. \$11,046,448 \$10,408,572 (actual) (est.) | - | 637,876 |
| F. | Total Company Over or (Under) Recovery from Page 4, Line 12 | | (179,967) |
| G. | Grand Total Fuel Cost (D + E - F) | | \$12,645,960 |
| | Estimated - based on actual Kentucky generation unit costs in May 2007 \$8,840,015 431,032,000 0.02051 | /KWH | |

KENTUCKY POWER COMPANY

SALES SCHEDULE

Month Ended: May 2007

| | | | Kilowatt-Hours | |
|----|--|-----|----------------|--|
| A. | Generation (Net) | (+) | 431,032,000 | |
| | Purchases Including Interchange In | (+) | 534,090,000 | |
| | Sub Total | | 965,122,000 | |
| | | | | |
| B. | Pumped Storage Energy | (+) | 0 | |
| | Inter-System Sales Including Interchange Out | (+) | 388,400,000 | |
| | System Losses | (+) | 51,703,000 * | |
| | Sub Total | | 440,103,000 | |
| | Total Sales (A - B) | | 525,019,000 | |

* Does not include 368,882 KWH of company usage.

.

KENTUCKY POWER COMPANY

OVER OR (UNDER) RECOVERY SCHEDULE

Month Ended:

-

May 2007

| Line <u>No</u> . | | | |
|---------------------|---|----|-------------|
| 1 | FAC Rate Billed (| +) | 0.00271 |
| 2 | Retail KWH Billed at Above Rate (| x) | 534,596,054 |
| 3 | FAC Revenue/(Refund) (L1 * L2) | | 1,448,755 |
| 4 | KWH Used to Determine Last FAC Rate Billed (| +) | 608,369,000 |
| 5 | Non-Jurisdictional KWH Included in L4 (| -) | 8,308,500 |
| 6 | Kentucky Jurisdictional KWH Included in L4 (L4 - L5) | | 600,060,500 |
| 7 | Recoverable FAC Revenue/(Refund) (L1 * L6) | | 1,626,164 |
| 8 | Over or (Under) Recovery (L3 - L7) | | (177,409) |
| 9 | Total Sales (Page 3) (* | +) | 525,019,000 |
| 10 | Kentucky Jurisdictional Sales (| () | 517,554,000 |
| 11 | Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10) | | 1.01442 |
| 12 | Total Company Over or (Under) Recovery (L8 * L11) | | (179,967) |

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 7 of 42

.

KENTUCKY POWER COMPANY

FINAL FUEL COST SCHEDULE

Month Ended:

April 2007

| A. Company Generation Coal Burned Oil Burned Gas Burned Fuel (jointly owned p Fuel (assigned cost du (0 Fuel (substitute for F | uring F. O.) KWH X \$0.000000) . O.) | (+) (+) (+) (+) (+) (-) | \$13,508,884 136,259 0 0 0 | |
|--|---|--|--|-----|
| | Sub-total | | 13,645,143 | |
| B. Purchases Net Energy Cost - Ec Identifiable Fuel Cost Identifiable Fuel Cost (0 | ÷ | (+) (+) (-) | 0 4,424,631 0 | (1) |
| | Sub-total | | 4,424,631 | |
| C. Inter-System Sales Fuel Co | osts | | 7,023,326 | (1) |
| | Total Fuel Cost (A + B - C) | | \$11,046,448 | |

(1) Includes total Energy Costs of non-economy purchase per KPSC Order dated October 3, 2002 in Case No. 2000-495-B.

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KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE SCHEDULE Case No. 9061 and Stipulation and Settlement Agreement in Case No. 2005-00341 May 2007

| Line No. | Month Ended: | | |
|-------------|--|------|-------------|
| 1 | Current Month (Tm) Net Revenue Level | (+ | 2,954,780 |
| 2 | Base Month (Tb) Tariff 19-2 Net Revenue Level | (-)_ | 2,365,563 |
| 3 | Increase/(Decrease) of System Sales Net Revenue | | 589,217 |
| 4 | Customer 70% Sharing | (x)_ | 70% |
| 5 | Customer Share of Increase/(Decrease) in System Sales Net Revenue | | 412,452 |
| 6 | Current Month (Sm) Sales Level | (/)_ | 525,019,000 |

| YTD System Sales Profit | | | | | | |
|-------------------------|------------|--|--|--|--|--|
| Feb-07 | 2,911,080 | | | | | |
| Mar-07 | 4,277,970 | | | | | |
| Apr-07 | 3,765,051 | | | | | |
| May-07 | 2,954,780 | | | | | |
| Jun-07 | | | | | | |
| Jul-07 | | | | | | |
| Aug-07 | | | | | | |
| Sep-07 | 0 | | | | | |
| Oct-07 | 0 | | | | | |
| Nov-07 | 0 | | | | | |
| Dec-07 | 0 | | | | | |
| Jan-08 | 0 | | | | | |
| Total | 13,908,881 | | | | | |
| | | | | | | |

7 System Sales Clause Factor - \$/Kwh

-.0007856

* This factor is a credit to the customer when current month net revenue levels exceed the base month; and a charge when the current month net revenues levels are below the base month.

Effective Date for Billing:

Submitted by:

Title:

Date Submitted:

July 2007

on zi (Signature)

Director of Regulatory Services

June 18, 2007

Page 2 of 2

KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE NET REVENUE

| | | Month Ended: | May 2007 | |
|---------------------|--|------------------|------------------------------------|--------------|
| Line <u>No</u> . | | CURRENT MONTH | PRIOR MO. TRUE-UP ADJUSTMENT | TOTAL |
| 1 | Sales For Resale Revenues | \$10,371,957 | (\$29,262) | \$10,342,695 |
| 2 | Interchange-Delivered Revenues | -0- | -0- | -0- |
| 3 | Total System Sales Revenues | 10,371,957 | (29,262) | 10,342,695 |
| 4 | Sales For Resale Expenses | \$6,885,486 | \$166,204 | \$7,051,690 |
| 5 | Interchange-Delivered Expenses | -0- | -0- | -0- |
| 6 | Non-Associated Utilities Monthly Environmental Costs* | 336,225 | 0 | 336,225 |
| 7 | Total System Sales Expenses | 7,221,711 | 166,204 | 7,387,915 |
| 8 | Total System Sales Net Revenues | \$3,150,246 | (\$195,466) | \$2,954,780 |

*Source: ES Form 1.0, Line 3 ES Form 3.3, Line 4 Non-Associated Environmental Costs KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 10 of 42

KENTUCKY POWER COMPANY

SUMMARY OF ADJUSTMENT CLAUSES

Month Ended:

- 1 Fuel Adjustment Clause Factor (Page 1 of 5)
- 2 System Sales Clause Factor (Page 1 of 2)
- 3 Total Adjustment Clause Factors

Effective Date for Billing

Submitted by:

Title:

Date Submitted:

AUSES 7 , .00758 (+) (.0007856) .0067944 .ly2007

(Signature)

Director of Regulatory Services

June 18,0

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 11 of 42

Page 1 of 5

KENTUCKY POWER COMPANY

FUEL ADJUSTMENT CLAUSE SCHEDULE

Fuel Fm (Fuel Cost Schedule) Sales Sm (Sales Schedule)

Month Ended: May 2027e) <u>12,645,960</u> 525,019,000

(+) = ,02409

Fuel (Fb) Sales (Sb) \$8,703,098 527,226,000 (-)

0.01651

,00758

(\$/KWH)

Effective Date for Billing

Submitted by:

(Signature)

Title:

Director of Regulatory Services

Date Submitted:

<u> June 18, 2001</u>

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 12 of 42

| | | Page 2 of 5 |
|----|--|---|
| | KENTUCKY POWER COMPANY | |
| | FUEL COST SCHEDULE Month Ended: May 2007 | |
| A. | Company Generation Coal Burned Oil Burned Gas Burned Fuel (jointly owned plant) Fuel (assigned cost during F. O.) Fuel (substitute for F. O.) Sub Total | (+) 8,537,426(+) 302,589(+) (+) (+) (+) (+) (+) (+) (+) (+) (+) |
| B. | Purchases Net Energy Cost - Economy Purchases Identifiable Fuel Cost - Other Purchases Identifiable Fuel Cost (substitute for F. O.) Sub Total | (+) 10,954,186 * (-) |
| C. | Inter-System Sales Fuel Costs Sub Total | 7,966,084 * 4 |
| D. | Total Fuel Cost (A + B - C) | 11,828,117 ¥ |

12,645,960

- Adjustment indicating the difference in actual fuel cost = <u>637,876</u> 4 (179,967) E. Doril 2007 and the estimated cost for the month of - 10,408,572 .448 originally reported. (actual)
- Total Company Over or (Under) Recovery from Page 4, Line 12 F.
- Grand Total Fuel Cost (D + E F) G.

Estimated - based on actual Kentucky generation unit costs in * $\frac{8,840,015}{431,032,000} = .02051$ May 07 /KWH

KENTUCKY POWER COMPANY

SALES SCHEDULE

May 2007 Month Ended:

| | | | Kilowatt-Hours | |
|----|------------------------------------|-----|----------------|-----|
| А. | Generation (Net) | | 431,032,000 | |
| | Purchases Including Interchange In | (+) | 534,090,00U | |
| | Sub Total | | 965, 122,000 | · N |
| | | | | |

B. Pumped Storage Energy

Inter-System Sales Including Interchange Out

System Losses

Sub Total

Total Sales (A - B)

* Does not include

368,882

KWH of company usage.

(+) 25 (+) 388,400,000 51,703,000 (+) И ,103,00c

525,019,000 4

KENTUCKY POWER COMPANY

OVER OR (UNDER) RECOVERY SCHEDULE

.

May 2007 Month Ended:

| Line <u>No</u> . | | |
|---------------------|--|------------------------|
| 1 | FAC Rate Billed | (+) ,0027/ <i>4</i> |
| 2 | Retail KWH Billed at Above Rate | (x) 534,596,054 4 |
| 3 | FAC Revenue/(Refund) (L1 * L2) | 1,448,755 4 |
| 4 | KWH Used to Determine Last FAC Rate Billed Non-Jurisdictional KWH Included in L4 (L4 - L5) | (+) 608,369,000 4 |
| 5 | Non-Jurisdictional KWH Included in L4 Mark 2008, 404 | (-) <u>8,308,500</u> 4 |
| 6 | Kentucky Jurisdictional KWH Included in L4 (L4 - L5) | 600,060,500 4 |
| 7 | Recoverable FAC Revenue/(Refund) (L1 * L6) | 1,626,164 |
| 8 | Over or (Under) Recovery (L3 - L7) | (177,409) * |
| 9 | Total Sales (Page 3) | (+) 525,019,000 × |
| 10 | Kentucky Jurisdictional Sales 10^{04} $10^{$ | (1) _517,554,000 |
| 11 | Ratio of Total Sales to KY. Jurisdictional Sales (L9 / L10) | 1.01442 |
| 12 | Total Company Over or (Under) Recovery (L8 * L11) | (179, 967) |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 15 of 42

KENTUCKY POWER COMPANY

| FINAL FUEL COST SCHEDULE | | | |
|-----------------------------|--------------|-------|------|
| 7 | Month Ended: | April | 2007 |

| A. Company Generation Coal Burned Oil Burned Gas Burned Fuel (jointly owned plant) Fuel (assigned cost during F. O.) (KWH X - 0 -) Fuel (substitute for F. O.) | (+) 13,508,884(+) 136,259(+) $-3-(+) -3-(+) -3-(-) -3-$ |
|---|--|
| Sub-total | 13,645, 143 |
| B. Purchases Net Energy Cost - Economy Purchases Identifiable Fuel Cost - Other Purchases Identifiable Fuel Cost (substitute for F. O.) (KWH X) Sub-total | $ \begin{array}{c} (+) & -0 \\ (+) & 4,424,631 \\ (-) & -0 \\ \hline 4,424,631 \\ \hline \end{array} $ |
| C. Inter-System Sales Fuel Costs | 7,023,326 (1) 11,046,448 |
| Total Fuel Cost (A + B - C) | 11,046,448 |

(1) Includes total Energy Costs of non-economy purchase per KPSC Order dated October 3, 2002 in Case No. 2000-495-B.

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KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE SCHEDULE

Case No. 9061 and

Stipulation and Settlement Agreement in Case No. 2005-00341

May 07 Month 2007

Line No.

Month Ended:

- Current Month (Tm) Net Revenue Level 1
- Base Month (Tb) Tariff 19-2 Net Revenue Level 2
- Increase/(Decrease) of System Sales Net Revenue 3
- Customer 70% Sharing 4
- Customer Share of Increase/(Decrease) in System 5 Sales Net Revenue
- Current Month (Sm) Sales Level 6

(+ 2,954,780 (-) 2,365,563 589,217

| YTD Syste | m Sales Profit |
|-----------|---------------------|
| Feb-07 | 2,911,080 |
| Mar-07 | 4,277,970 |
| Apr-07 | 3,765,051 |
| May-07 | 2,954,780 |
| Jun-07 | |
| Jul-07 | |
| Aug-07 | |
| Sep-07 | 0 |
| Oct-07 | 0 |
| Nov-07 | 0 |
| Dec-07 | 0 |
| Jan-08 | 0 |
| Total | 1 <u>0,954,10</u> 1 |
| | 13,908,881 |

(x)<u>70%</u> 412,452 525,019,000p (1) (10007856

System Sales Clause Factor - \$/Kwh 7

> * This factor is a credit to the customer when current month net revenue levels exceed the base month; and a charge when the current month net revenues levels are below the base month.

> > Effective Date for Billing:

Submitted by:

Title:

Month 2007

(Signature)

Director of Regulatory Services

Date Submitted:

HELLE, 2007 -Month-2007

Page 2 of 2

KENTUCKY POWER COMPANY

SYSTEM SALES CLAUSE NET REVENUE

| | | Month Ended: γ | Nay 2007 | |
|--------------------------|--|---------------------------------|---|----------------------|
| Line <u>No</u> . 1 | Sales For Resale Revenues | CURRENT MONTH 10,3'11,957 | PRIOR MO. TRUE-UP ADJUSTMENT (29, 262) | 10,342,695 |
| 2 | Interchange-Delivered Revenues | ~~~ | -o- | -0 - |
| 3 | Total System Sales Revenues | 10,371,957 | (29,262) | 10,342,695 |
| 4 | Sales For Resale Expenses Interchange-Delivered Expenses | 6,885,486 | 166,204 | 7,051,690 |
| 6 | Non-Associated Utilities Monthly Environmental Costs* | 336,225 7,221,711 | 166,204 | 336,225 7,387,915 |
| 7 8 | Total System Sales Expenses Total System Sales Net Revenues | 3,150,246 | (195,466) | 2,954,780 |

*Source: ES Form 1.0, Line 3 ES Form 3.3, Line 4 Non-Associated Environmental Costs Internal Workpaper

Date:

6/18/07 May 2007

Month **Ending:**

NER: Net Energy Requirement in MWH X twelve (12) months rolling line losses in % carried to two (2) decimals less company usage in MWH.

= Generation plus Purchases minus Sales NER

965,120 MWH (Generation + Purchases_) NER 388,400 MWH (Sales) NER 576,720 MWH NER 576,722 NER MWH = 9.029 Avg. 12 mos. Line loss NER Х 52,072 MWH System Losses = 369 MWH Company Usage -51,703 **MWH** System Lossess = (Less Company Usage)

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 19 of 42

INVOICE AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS WITH THE CITY OF OLIVE HILL, KENTUCKY



| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 6/8/2007 6/18/2007 117-20413749 | | | |
|---|---|-------------------|--|-------------------------|
| INVOICE PERIOD: | | 01-May-2007 - | 31-May-2007 | Eastern Prevailing Time |
| Billing Information: | | | 67.3N | |
| Demand Charge: | | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing</u> \$ |
| Peak Da | ate & Time: 05/30/07 @ 17:00 | | | |
| | | 4,842 | \$9.26 | \$44,836.92 |
| - | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 2,037,488 | \$0.0031396 | \$6,396.90 |
| Fuel Charge: | | 2,037,488 | \$0.0170476 | \$34,734.28 |
| Fuel Adjustment Charge: | | 2,037,488 |) \$0.0035905 | \$7,315.60 |
| March 2007 Actual Fuel Tr | <u>ue-Up:</u> | | | |
| | stimated Fuel Adjustment Charge: Actual Fuel Adjustment Charge: arch 2007 Fuel Charge Difference: | 2,239,520 | \$0.0019501 <u>\$0.0035905</u> \$0.0016404 | \$3,673.71 |
| PJM Open Access Transm | - | _ [==0]0_0 | | \$16,900.28 |
| AMOUNT DUE AEP | | | | \$113,857.69 |

METHODS OF PAYMENT

Bank Instructions:

By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generation Account Number 30484544

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 20 of 42

INVOICE AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS WITH THE CITY OF VANCEBURG, KENTUCKY



| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 6/8/2007 6/18/2007 117-20413748 | | | |
|---|--|-----------------|-----------------------------------|-------------------------|
| INVOICE PERIOD: | | 01-May-2007 - | 31-May-2007 | Eastern Prevailing Time |
| Billing Information: Demand Charge: Peak date & Time: | 05/30/07 @ 16:00 | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing_\$</u> |
| | | 11,550 | \$9.08 | \$104,874.00 |
| | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 5,427,061 | \$0.0030769 | \$16,698.52 |
| Fuel Charge: | | 5,427,061 | \$0.0167067 | \$90,668.28 |
| Fuel Adjustment Charge: | | 5,427,061 | \$0.0035187 | \$19,096.20 |
| | Fuel Adjustment Charge: Fuel Adjustment Charge: | | \$0.0019111 <u>\$0.0035187</u> | |
| | Fuel Charge Difference: | 6,068,974 | \$0.0016076 | \$9,756.48 |
| PJM Open Access Transmission Ta | ariff | | | \$25,884.80 |
| AMOUNT DUE AEP | | | | \$266,978.28 |
| METHODS OF PAYMENT | | | | |

Bank Instructions:

By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generation Account Number 30484544

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 21 of 42

INVOICE

AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS WITH THE CITY OF OLIVE HILL, KENTUCKY



| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 4/10/2007 4/20/2007 117-20401099 | | | . · |
|---|---|-----------------|--|-------------------------|
| INVOICE PERIOD: | | 01-Mar-2007 - | - 31-Mar-2007 | Eastern Prevailing Time |
| Billing Information: | | | | |
| Demand Charge: | | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing</u> \$ |
| Peak Date & Tim | e: 03/04/07 @ 21:00 | | | |
| | | 4,824 | \$9.26 | \$44,670.24 |
| | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 2,239,520 | \$0.0031396 | \$7,031.20 |
| Fuel Charge: | | 2,239,520 | \$0.0170476 | \$38,178.44 |
| Fuel Adjustment Charge: | | 2,239,520 | \$0.0019501 | \$4,367.29 |
| January 2007 Actual Fuel True-Up | | | | - |
| Actual | Fuel Adjustment Charge: Fuel Adjustment Charge: 7 Fuel Charge Difference: | 2,745,173 | \$0.0017352 <u>\$0.0019501</u> \$0.0002149 | \$589.94 |
| PJM Open Access Transmission 7 | ariff | | | \$16,914.50 |
| AMOUNT DUE AEP \$111,751.61 | | | | \$111,751.61 |
| METHODS OF PAYMENT | | | | |
| Bank Instructions: | | | | |

By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generation Account Number 30484544

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 22 of 42

INVOICE AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS WITH THE CITY OF VANCEBURG, KENTUCKY



| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 4/10/2007 4/20/2007 117-20401 | 098 | | |
|---|---|-------------------------------|--|-------------------------|
| INVOICE PERIOD: | | 01-Mar-2007 | - 31-Mar-2007 | Eastern Prevailing Time |
| Billing Information: <u>Demand Charge:</u> Peak | date & Time: 03/06 | <u>Peak kW</u> 6/07 @ 8:00 | <u>\$/kW</u> | <u>Billing</u> \$ |
| | | 12,905 | \$9.08 | \$117,177.40 |
| | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 6,068,974 | \$0.0030769 | \$18,673.63 |
| Fuel Charge: | | 6,068,974 | \$0.0167067 | \$101,392.53 |
| Fuel Adjustment Char | ge: | 6,068,974 | \$0.0019111 | \$11,598.42 |
| January 2007 Actual F | uel True-Up: | | | |
| | Estimated Fuel Adjustm Actual Fuel Adjustm January 2007 Fuel Charge | ent Charge: | \$0.0017005 <u>\$0.0019111</u> \$0.0002106 | \$1,387.62 |
| PJM Open Access Transmission Tariff | | | | \$25,929.43 |
| AMOUNT DUE AEP \$276,159.03 | | | | |
| METHODS OF PAYMENT | | | | |

Bank Instructions:

By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generation Account Number 30484544

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 23 of 42

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Schedule 11

KENTUCKY POWER FUEL COSTS (5010001, 5010013, & 5010019) MAY 2007

| COAL SURVEY CONVERSION COAL | \$8,537,426.25 \$0.00 \$0.00 |
|-----------------------------------|------------------------------------|
| TOTAL COAL | \$8,537,426.25 |
| OIL | \$302,589.19 |
| TOTAL FUEL | \$8,840,015.44 |



KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 24 of 42

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KENTUCKY POWER COMPANY NET ENERGY REQUIREMENTS MAY 2007

| Net Generation (Sch 12) | | 431,032 |
|---|---|----------|
| Purchases: 1. Interchange Pool (Sch 4, Pool Energy) | 340,681 | |
| 2. Interchange Received Cash | 0 | |
| Purchased Power: Associated (Including Rockport Units 1 & 2) Purchased Power: Non Associated Subtotal | 125,332 68,077 193,409 | |
| 5. Loop in/Out (Sch 4, Loop or Interchange In/Out - Nonassociated) | ٥ | |
| Total Purchased Power | | 534,090 |
| Available for Distribution | | 965,122 |
| Sales 1. Interchange Pool (Sch 4, Total Assoc Co Sales) | 135,350 | |
| 2. Total System Sales (Physical Sales) | 211,328 | |
| 3. Total System Sales (Non - Physical Sales or Bookouts & Option | ns) 41,722 | |
| Disposition of Energy | | 388,400 |
| Total Supply for Net Energy Requirement <i>(NER)</i> (Internal Load Requirements) | | 576,722 |
| Check: Total Sales (Calc for Deferred Fuel, Page 3 of 5, Total Sales (A - B)) Net System Losses MWH (Calc for Deferred Fuel, Page 3 of 5) Total Supply for Net Energy Equirement (NER) | 525,019 51,703 576,722 | |
| Current Month Energy Sales | | <i>(</i> |
| Billed KWH | | |
| Preliminary Page 9-1 (Sch 5, Total Sales of Electricity) System Sales for Resale (Schedule 4, Total System Sales) System Interchange Sales (Schedule 4, Total Assoc Co Sales) Total Current Month Billed Revenue Accrued KWH Current Month Unbilled Page 9-1A (Sch 6) Last Month Unbilled Page 9-1A Current Month Billed and Accrued KWH | 542,060,554 211,328,000 135,350,000 | Γ |

| | | ~ | | | | 202 | KENIUCKY POWER COMPANY | TNPANY | | | | | |
|--|---------------|---------------|--|----------|----------|-----|------------------------|------------|-------------|---------------|-------------|---------|------------------------------|
| | | | | | | | Line Loss Caculation | tion | | | | | |
| | | TICINI | and the second | | | | | L L | | | | | KPS Lett Atta Pag |
| | | | | | | - | | | | | | | SC (er [ichr ie 2 |
| | | | | | | | | TOTAL | ASSOC. | SYSTEM | INTERNAL | 1 | |
| | | | | | | HMM | | ENERGY | COMPANY | SALES | ENERGY | . I. | SSO4 42 |
| Inter | 1.0 | Bill.& | - - - F | | | | | UEDOEED | INTEOLIANCE | FOR DESALE | nisposfn | UNACCOU | ctored LNI |
| Pool | Sales | Acciu. | Disnosition | | | | | 1 | 2 | 3 | (1-2-3-4) | | (040) |
| ###################################### | 1111111111111 | 1111111111111 | | 1.8 | | | | | | | | | 05 |
| 226.657 | 180.807 | 37,315 | 1.133,614 | (30,447) | | JAN | 06 current month | 1,133,614 | 226,657 | 180,807 | 726,150 | 37,315 | 5939% |
| | | | | | | | 12 mos. ending | <u> </u> | 2,766,796 | 2,756,514 | 8,035,729 | 642,256 | 7.993% |
| 197,969 | 233,870 | 75,719 | 1,183,392 | 70,989 | | FEB | 06 current month | 1,183,392 | 197,969 | 233,870 | | 75,719 | 10.075% |
| | | | | | | | 12 mos. ending | | 2,765,029 | 2,749,320 | 8,098,162 | 661,296 | 8.166% |
| 257,553 | 226,681 | 54,266 | 1,200,512 | 73,930 | • | MAR | 06 current month | | 257,553 | 226,681 | 716,278 | 54,266 | 7.576% |
| | | | | - | | | | ₩ ₩ | 2,760,249 | 2,672,853 | 8,081,245 | 659,024 | 8.155% |
| 281,185 | 221,781 | 98,758 | 1,077,711 | 3,245 | <u>×</u> | APR | 06 current month | _ | | 221,/81 | 5/4/42 | 96/ 98 | 0.70401 |
| | | | | | | | | <u></u> | | 2,661,157 | 8,085,256 | /10//10 | 8./91% |
| 129,331 | 191,082 | 56,870 | 906,998 | 66,154 | | MAY | 06 current month | _ | 129,331 | 191,082 | 586,585 | 20,8/0 | 9,090% |
| | 0.0 | | | | | | | 2 | 2 | 2,614,834 | π | 66 103 | 0.934% |
| 283,427 | 254,340 | 65,193 | 1,146,790 | 62,242 | - | NUN | 06 current month | _ | | 254,340 | | 00,193 | 0400/01 |
| | | | | | | | | | N N | 2,630,085 | ₽ | /34,015 | 9.103% |
| 252,352 | 298,491 | 51,867 | 1,235,232 | 111,439 | | JUL | 06 current month | | | 298,491 | | 51,867 | 1.5/9% |
| | | | | | | | | Ì | ~ | 2,667,490 | æ | 731,011 | 9.047% |
| 252,375 | 291,493 | 59,995 | 1,252,649 | 94,965 | | AUG | 06 current month | 1,252,649 | 252,375 | 291,493 | 708,781 | 59,995 | 8.465% |
| | | | | | | | 12 mos. ending | Ϋ́ | 3 | 2 | 8,0 | 727,651 | 9.009% |
| 297,092 | 196,951 | 85,826 | 1,056,706 | (32,347) | | SEP | 06 current month | 1,056,706 | | | | 85,826 | 15.254% |
| | | | | | | | 12 mos. ending | 13,510,004 | 2,816,516 | | ω | 760,355 | 9.467% |
| 305,738 | 240,217 | 44,753 | 1,163,289 | 103,139 | | OCT | 06 current month | 1,163,289 | 305,738 | 240,217 | 617,334 | 44,753 | 7.249% |
| | | | | | | | 12 mos. ending | ~ | 2,8 | 2,714,458 | β | 761,704 | 9.463% |
| 287,102 | 184,004 | 46,903 | 1,133,742 | 94,784 | | NOV | 06 current month | _ | | | | 46,903 | 7.078% |
| | _ | | | | | | 12 mos. ending | | ~ | ~ | | 741,807 | 9.213% |
| 193,816 | 186,140 | 52,806 | 1,135,365 | 76,562 | | DEC | 06 current month | | 193,816 | 186,140 | 755,409 | 52,806 | 6.990% |
| | | | | | | | 12 mos. ending | ₩ 2 | 3 | 5 | 2. | 730,271 | 9.179% |
| 189,303 | 200,862 | 65,845 | 1,173,943 | 83,762 | | JAN | 07 current month | | | | | | 8.401% |
| | | | | | | | 12 mos. ending | | ~ | N | 2 | | 9.469% |
| 109,435 | 185,212 | 63,932 | 1,104,783 | 84,311 | | FEB | 07 current month | 1,104,783 | | 185,212 | 810,136 | 63,932 | 7.892% |
| | | | | | | | 12 mos. ending | 13 | 3 | 2,6 | ω | 747,014 | 9.255% |
| 268,702 | 249,103 | 79,703 | 1,189,976 | (8,566) | | MAR | 07 current month | 1,189,976 | 3 268,702 | 249,103 | 672,171 | 79,703 | 11.858% |
| | | | | | | | 12 mos. ending | | 1 2,849,858 | 2 | 2 | 772,451 | 9.622% |
| 182,068 | 199,389 | 63,780 | 1,004,763 | 38,393 | | APR | 07 current month | 1,004,763 | 182,068 | 199,389 | | 63,780 | 10.233% |
| | | | | | | | 12 mos. ending | 13,5 | 2,7 | 2,6 | 8 | ~ | 9.131% |
| 135,350 | 211,328 | 51,493 | 965,122 | 76,014 | | MAY | 07 current month | | | | | | 8.326% |
| | - | | | | | | 12 mos. ending | 13,562,360 | 0 2,756,760 | 2,697,530 | 0 8,108,070 | 732,096 | 9.029% |
| | | | | | | | | | | | | | |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 26 of 42

Kentucky Power Company - Building Usage - May 2007

| Metered Usage in Company Buildings For The Current Month | 368,882 |
|--|---------|
| Metered Usage In Company Buildings For The Prior Month | 432,021 |

Current Month Company Usage

| ASHLAND 175,320 | kWh |
|------------------------------|-----|
| SO, WILLIAMSON 2,14* | kWh |
| HAZARD/PIKEVILLE 191,421 | kWh |
| CURRENT MONTH 368,882 | kWh |
| PRIOR MONTH ADJUSTMENT | kWh |
| CURRENT MONTH REPORT 368,882 | kWh |

369 mWh

Source: OSPRIO60

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 27 of 42

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE April 2007

.

TRANSACTION TYPES *

| F | FIRM |
|------------|-------------------------------|
| LT-CAP | LONG TERM CAPACITY |
| L-TERM | LIMITED TERM |
| S-TERM | SHORT TERM |
| PRE | PRE-SCHEDULED |
| RESCAP | RESERVED CAPACITY |
| ARS-EMRG | AUTO RESERVE SHARING - EMERG. |
| EXP-CONG | EXPLICIT CONGESTION |
| IMP-CONG | IMPLICIT CONGESTION |
| SPOT-ENG | PJM MARKET SPOT ENERGY |
| ND | NON-DISPLACEMENT |
| SUPP | SUPPLEMENTAL (OVEC) |
| EMERG | EMERGENCY |
| CMP-UPR | UNIT POWER |
| NF | NON-FIRM |
| PKPWR | PEAKING POWER |
| CCS;COALPH | COAL CONVERSION SVC. |
| GENLOS | GENERATION LOSS |
| BKI-BKUP | BUCKEYE BACKUP POWER |
| U-ENERGY | UNIT ENERGY |

OTHER

| HR | HOURLY |
|----|----------|
| DY | DAILY |
| WK | WEEKLY |
| MO | MONTHLY |
| УR | YEAR |
| РН | PHYSICAL |

* Due to voluminous transactions, they are aggregated by type rather that by interconnected utility.

KENTUCKY POWER COMPANY POWER TRANSACTION SCHEDULE KENC Case No. 2006-00507 MONTH ENDER: Date October 10, 2007 Attachment 4

| PURCHASEE age 28 of 42 | | | BILLING COMPO | NENT5 | |
|-----------------------------|--|-------------------|---------------|------------------|------------------|
| TRANSACTION TYPE | MWH | FUEL CHARGE | DEMAND | OTHER CHARGES | TOTAL CHARGES |
| | ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | (\$) | (\$) | (\$) | (\$) |
| DY-2F | 45,136 | 1,585,445.44 | 0.00 | 396,361.44 | 1,981,806.88 |
| HR-2NF | 552 | 46,816.85 | 0.00 | 5,970.23 | 52,787.08 |
| EXP-CONG | 0 | 0.00 | 0.00 | 14,781.55 | 14,781.55 |
| IMP-CONG | 0 | 0.00 | 0.00 | 490,193.61 | 490,193.61 |
| SPOT-ENG | 30,437 | 1,145,666.31 | 0.00 | 286,416.92 | 1,432,083.23 |
| DY-F | 720 | 36,040.64 | 0.00 | 9,010.08 | 45,050.72 |
| HR-NF | 4,692 | <u>195,054.35</u> | 0.00 | <u>48,763.27</u> | 243,817.62 |
| | 81,537 ⁽¹⁾ | 3,009,023.59 | 0.00 | 1,251,497.10 | 4,260,520.69 |
| AEP POOL PRIMARY PURCHASES: | 43,586 | 586,125.00 | 0,00 | 114,021.00 | 700,146.00 |
| INTERRUPTIBLE BUY/THROUGH | | | | | |
| (AEP AFF. COS.) | 0 | 0.00 | 0.00 | 0.00 | 0.00 |
| BOOKOUTS/OPTIONS: | 269,250 | 0.00 | 0.00 | 9,986,929.00 | 9,986,929.00 |
| TOTALS: | 394,373 | 3,595,148.59 | 0.00 | 11,352,447.10 | 14,947,595.69 |

| | MWH | <u>Total Energy Charges</u> |
|---|--------|-----------------------------|
| (1) ALLOCATED TO SYSTEM SALES: | 77,750 | 3,762,780.24 |
| ALLOCATED TO INTERNAL CUSTOMERS: | 3,787 | 497,740.45 |
| | 81,537 | 4,260,520.69 |
| LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE: | 0 | 422,015.25 |
| NET INCLUDABLE ENERGY CHARGES: | 81,537 | 3,838,505.44 |

NOTE:

IN THE ABOVE TRANSACTIONS THERE WERE NO PURCHASES AS A RESULT OF FORCED OUTAGES AT BIG SANDY PLANT.

KPSC Case No. 2006-00507KENTUCKLetter Dated October 10, 2007POWER TIAttachment 4MONTH EIPage 29 of 42

| | | | | BILLING COMPO | NENTS | |
|--|---------------------|------------------|--------------------|---------------------------|-----------------|------------------|
| SALES | KPCO MLR | SUPPLIE | D BY KPCO | | | |
| | SHARE OF | SOU | RCES | | | |
| TRANSACTION | DELIVERED | | FUEL | | OTHER | TOTAL |
| TYPE | <u></u> | MWH | CHARGE | DEMAND | CHARGES | CHARGES |
| | | | (\$) | (\$) | (\$) | (\$) |
| LT-CAP | 11,510 | 8,960 | 162,982.49 | 230,256.00 | 22,758.44 | 415,996.93 |
| RESCAP | 0 | 0 | 0.00 | 18,051.77 | 0.00 | 18,051,77 |
| DY-2F | 76,238 | 55,130 | 1,298,329.04 | 0.00 | 2,491,039.42 | 3,789,368.46 |
| DY-2NF | 0 | 72 | 3,411.16 | 0.00 | 4,773.32 | 8,184.48 |
| CMP-UPR | 0 | 0 | 0.00 | 43,992.00 | 0.00 | 43,992.00 |
| SPOT-ENG | 78,861 | 58,355 | 2,176,747.29 | 0.00 | 1,259,550.73 | 3,436,298.02 |
| MO-F | 31,086 | 24,742 | 472,015.37 | 364,184.36 | 589,044,85 | 1,425,244.58 |
| DY-F | 704 | 276 | 11,255.36 | 0.00 | 30,575.68 | 41,831.04 |
| DY-NF | 7,905 | 6,292 | 159,464.42 | 0.00 | 142,835.30 | 302,299.72 |
| HR-NF | 4,068 | 2,892 | 113,933.98 | 0.00 | 118,538,52 | 232,472.50 |
| GENLOS | 5 | 25 | 970.20 | 0.00 | (970,20) | 0.00 |
| BKI-BKUP | <u>206</u> | <u>195</u> | <u>8,685.27</u> | 0.00 | <u>4,504.59</u> | <u>13,189.86</u> |
| | 210,583 | 156,939 | 4,400,493.86 | ⁽¹⁾ 656,484.13 | 4,669,951.37 | 9,726,929.36 |
| AEP POOL SALES (PRIMARY/ECONOMY) | 0 | 99,212 | 1,806,560.00 | 0.00 | 194,969.00 | 2,001,529.00 |
| INTERRUPTIBLE BUY/THROUGH (AEP AFF. CO./KY EL. STEEL) | 0 | 36 | 1,931.00 | 0.00 | 493.00 | 2,424.00 |
| BOOKOUTS/OPTIONS: | 279,411 | 0 | 0.00 | 0.00 | 10,455,958.00 | 10,455,958.00 |
| TOTALS: | 489,994 | 256,187 | 6,208,984.86 | 656,484.13 | 15,321,371.37 | 22,186,840.36 |
| KPCo's other costs incurred, (other | than fuel from A | ccount 151): | | | | 1,135,941.65 |
| KPCo's MLR share of AEP energy co | ost less the actual | energy costs in | curred by KPCo: | | | 1,903,581,45 |
| KPCo's MLR share of the differenc | e (Total AEP energ | gy charges - Tot | al AEP energy cost | rs): | | 1,630,428.27 |
| Total (Other Charges): | | | | | | 4,669,951.37 |

⁽¹⁾ Includes (\$7,300.72) adjustment for chemicals carried over to Other Charges.

KPSC Case No. 2006-00507 - ACTUAL FINAL Letter Dated October 10, 2007

Attachment 4 KENTU

Page 30 of 42 FUEL C

| BIG SANDY (PLANT) 9,772,163.91 95,616.44 | ROCKPORT UNIT #1 2,393,122.00 4,843.00 | ROCKPORT UNIT #2 1,343,598.00 35,800.00 | FUEL AMOUNTS (\$) 13,508,883.91 136,259.44 |
|---|--|--|--|
| 9,772,163.91 | 2,393,122.00 | 1,343,598.00 | 13,508,883.91 |
| | • | | |
| | | | |
| | | | 0.00 |
| | | | 13,645,143.35 |
| | | | |
| | | | 0.00 4,424,630.44 |
| | | | 0.00 |
| | | | 4,424,630.44 |
| | | | |
| | | | 7,023,326.03 |
| | | | 11,046,447.76 |
| | | | |
| | | | |
| SIGNED COST (| (Kwh): 18,342 | MILLS/KWH \$ | 0 0.00 |
| | | | |
| | 13.448 | | 0.00 0,00 |
| Kwh | 13.448 | MILLS/KWH \$ | 0.00 |
| | 5IGNED COST kWH kWH | kWH 13.448 kWH | 18.342 MILLS/KWH \$ kWH 13.448 MILLS/KWH \$ kWH MILLS/KWH \$ |

(1) INCLUDES TOTAL ENERGY COSTS OF NON-ECONOMY PURCHASES AS PER KPSC ORDER OF OCTOBER 3, 2002 IN CASE NO. 2000-00495-B.

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KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 31 of 42

νu

| Flow Date | <u>Appalachla</u> <u>Gas Daily</u> <u>Avg.</u> (\$/MMBtu) | <u>Park &</u> Lend Service (\$/MMBtu) | <u>Energy</u> <u>Cost</u> (\$/MWh)* | |
|-----------|--|--|---|---------------------------|
| 01-Apr-07 | 7.810 | 0.1983 | 83.29 | |
| 02-Apr-07 | 7.810 | 0,1983 | 83.29 | |
| 03-Apr-07 | 7.925 | 0,1983 | 84.48 | |
| 04-Apr-07 | 7.805 | 0.1983 | 83,23 | |
| 05-Apr-07 | 7.695 | 0,1983 | 82.09 | |
| 06-Apr-07 | 7.760 | 0,1983 | 82.77 | |
| 07-Apr-07 | 7.760 | 0.1983 | 82.77 | |
| 08-Apr-07 | 7.760 | 0.1983 | 82.77 | |
| 09-Apr-07 | 7.760 | 0.1983 | 82.77 | |
| 10-Apr-07 | 7.910 | 0.1983 | 84.33 | |
| 11-Apr-07 | 7.985 | 0.1983 | 85,11 | |
| 12-Apr-07 | 8.230 | 0.1983 | 87.65 | |
| 13-Apr-07 | 8.205 | 0,1983 | 87.39 | |
| 14-Apr-07 | 8,190 | 0.1983 | 87.24 | |
| 15-Apr-07 | 8,190 | D.1983 | 87.24 | |
| 16-Apr-07 | 8.190 | 0.1983 | 87.24 | |
| 17-Apr-07 | 7.985 | 0.1983 | 85.11 | |
| 18-Apr-07 | 7.840 | 0.1983 | 83.60 | |
| 19-Apr-07 | 7.845 | 0.1983 | 83.65 | |
| 20-Apr-07 | 7.785 | 0.1983 | 83.03 | |
| 21-Apr-07 | 7.665 | 0.1983 | 81.78 | |
| 22-Apr-07 | 7.665 | 0.1983 | 81.78 | |
| 23-Apr-07 | 7.665 | 0.1983 | 81.78 | |
| 24-Apr-07 | 7.580 | 0.1983 | 80.89 | Minimum(75%: \$60.67/MWh) |
| 25-Apr-07 | 7.920 | 0.1983 | 84.43 | |
| 26-Apr-07 | 7.945 | 0,1983 | 84.69 | |
| 27-Apr-07 | 7.855 | 0.1983 | 83.75 | |
| 28-Apr-07 | 7.740 | 0.1983 | 82.56 | |
| 29-Apr-07 | 7.740 | 0.1983 | 82.56 | |
| 30-Apr-07 | 7.740 | 0.1983 | 82.56 | |

* Based on 10,800 Btu/kWh for June - August. * Based on 10,400 Btu/kWh for September - May.

| (A) (B) (C) MurPyricitian: Junit much it mutation (A) (B) (C) MurPyricitian: Junit much it mutation 4470010 Mat Mat FRUOR MO. ACTUAL 9,432,689 9,907,541 427,131 FRUOR MO. ACTUAL 9,432,689 9,907,124 427,131 FRUOR MO. ESTIMATE 9,432,689 9,997,128 422,933 FRUOR MO. ESTIMATE 9,422,689 9,997,128 422,933 CURR MO. ADU. 12,453 16,412 (2,423) CURR MO. ADU. 12,453 16,412 (2,423) CURR MO. ADU. 12,453 16,412 (2,423) ADU. ADU. 0 0 0 0 ADU ADU ADU (17) (6,310) (17) (6,310) | KENTUCKY POWER COMPANY KYTEM BALEB TRACKER MAY TOO MAAT TOO | | | | | | | | | | | | d Octo |
|---|---|-------------------------------|----------------|---------------------------------|-------------------------------|--------------------|---------------------------|-----------------------------|-----------------------------------|-----------------------------|--|---|--|
| AACTUAL 4473.6012 441000 441000 4410010 44120 4 651114ATE 9,422,699 8,982,129 4 ADJ. 12,563 15,412 4 ADJ. 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | { D } Revenue A470007 | (E) Cast 4470011 | (F) Net | (G) Brokers Con 4470008 4 | (H) Commissions 4470010 | (1) Net | (J) Revenue 4470081 | (K) Revenue 4470082 | (L) Ке чепие 4470099 | (M) Revenue 4470109 | (N) (O) Subtorial Non Physical Sa REVENUE COST Subtotal | |), 2006 ober 10 Attach Page 3 |
| ESTMATE 8.422.089 8.942.128 * ADJ. 12,583 15,412 * 0 0 0 8 (8,310) (17) | 0 | 00 | 00 | 88 | 3,868 3,211 | (8,401) (7,338) | 00 | 154,907 164,949 | 00 | 000 | 9,585.048 9,572,911 12,335 | | nen men |
| 0 0 0 (117) (0.310) (117) 0 0 | | | 0 | (408) | 657 | (1,083) | 0 0 | (24) | | | 0 | | t 4 |
| (17) (6,310) (17) (17) (17) | 0 | р I | o (| | | | 124.843 | 460,847 | • | (58,699) | 620,281 | (21) | 520,298 |
| | 0 0 | 0 0 | 5 0 | (101.7) | 6,645 | (13.748) | 00 | 6,057 0 | 00 | 00 | 9,340,772 0 | 9,141,422 0 | 199.350 0 |
| | 0 (| 0 | 0 0 | 0 | 0 8.845 | u (13,748) | , o | 5,057 | 0 | 0 | 8,340,772 | 9,141,422 | 169,350 |
| 26 Estimete 9,342,819 9,134,777 208,042 CSN DOLLAR 27 TRAVERER = 81 | | | | 0 | 0 7.302 | 0 (14,812) | 0 124.843 | 0 485,882 | 80 | 0 (58,699) | 0 8,873,188 | 0 8,157,474 | 0 715,714 |
| ТОТАL 9.340,092 9.76.1/2 (R) (3) Вечению Revenue R | (u) (u) | | (W) Cost | | (Y) Cost | (Z) Cost | (AA) Cost | (AB) Cost 6550039 | (AC) Cost 655045 | (av) | { AE } Total Non F REVENUE | (AE) (AF) (Total Non Physics Seles For R EVENUE COST | (AG) Jr <i>Resele</i> Net |
| тана 1973) - 1973 - 1970 - 1970) - 19 | 4470072 0 | - | 4470111 | | 44/UXXX 0 0 | 0 benneed | | | | | 9,485,844 9,473,709 | 8,011,408 8,895,340 | 474,435 478,388 478,388 |
| ESTIMATE ADJ. | • • | | | 00 | | 0 | 0 | ь I | | | 12,135 | 990'91 | 0 |
| R 0 0 XXX | Đ | D | Ð | 0 | c (| • | | | | | 65,674 | (9.024) | 74,698 |
| (454,807) 0 | 0 0 | (9.007) | | a c | | - 0 | | | | | 9,342,609 6 | 0,141,422 0 | 201.187 |
| К ЕЗЛИАТЕ 1,937 0 0 NT 0 0 0 | 0 | | | Ð | 0 | 0 (| o " | | | | 8,342,609 | 9,141,422 | 201.187 |
| 1,837 0 | 0 | | с (| • • | | | | , 0 | | | D | 0 | 0 111 051 |
| 37 TRANSFER-EST 0 0 0 38 CURR MO. TOTAL (452,770) 0 0 | 50 | (100,8) | Ð | 00 | | D | • | Ð | | | 814'02'4'8 | | |
| | RECONCILIAT | RECONCILIATION TO QUERY | | | | | | | | | | | |
| | TOTAL 44700XX CUNY | IXX Query | | 13,090,793 | | | | | | | | | |
| Reventue Cost Net | LE99 ASSOC: | :00 | | 2,512,398 | | Reverue Adl. | Revenue Est. | Cost Adj | Cost Est | | | | |
| ACTUAL 18. ESTIMATE 18. | LESS 3/S COST Adjustment (If Needed) | cost Nanded) | | 7,051,680 0 | | (13,193) 0 | | 168,204 0 | 0 8,665,486 | | REVENUE | COST | NET |
| R.MO, ADJ, (12,103) 104/27 ARTRNER ADJ, 0 | | | | | | 182,273 | 16,028,908 | | 0 | | | | |
| (0' 0) | | 8y3/3ale8 net profit/(l.0\$9) | [5] | 3,628,707 | | 0 188,204 | | | | i | | 8 | 8 |
| • 43 CURR MO. ESTIMATE 19,750,072 18,302,440 3,447,632 44 ADJUSTIMBUT 358,236 275,532 83,704 | NET | | | 3,281,005 | | | 113.519 (8.024) | | | EST. | 10,371,957 | 8,685,488 | 3,486,471 |
| uarant Month selimete 19,390,836 16,026,908 3,383,928 | | | | | | | Ð | | | | (8×6× | | |
| CSW DOLLAR TRANSFER - Est CURR MO. TOTAL 19,491,192 16,200,157 3,291,005 | DIFFERENCE | IFI | | 235,702 | | (28,262) | 10,371,857 | 166,204 | t 8,885,488 | NET | | | 3,291,005 |

| (H) (L) (L) (L) (L) (L) AT0055 AT0057 AT0057 AT0057 AT0056 AT0056 AT0055 AT0055 AT0057 AT0057 AT0056 AT0056 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 | Rubbine Rubbine ATODRS Rubbine Rubbine Rubbine ATODRS Rubbine Rubbine Rubbine ATODRS Rubbine Rubbine Rubbine ATODRS Rubbine Rubbine Rubbine ATODRS Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine Rubbine |
|---|--|
| REVENUE REVENUE <t< td=""><td>Holis Hitti, Marca Martinia Harbanua Harbanua</td></t<> | Holis Hitti, Marca Martinia Harbanua |
| REVENUE REVENUE <t< td=""><td>Hill Hill <th< td=""></th<></td></t<> | Hill Hill <th< td=""></th<> |
| REVERUIS REVENUIS REVENUIS REVENUIS ATONO 44700187 A4700083 A470100 0 0 0 0 0 0 0 0 0 0 | E FEVENUE FEVE |
| A470100 4470100 4470100 3 (7,288) 3 (7,288) 4770XXX Revenue 4470XXX Revenue 82) 0 | (K1) (L) (M) REVENUE REVENUE </td |
| | (M) REVENUE REVENUE REVENUE REVENUE REVENUE 447010 4470104 447010 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 |

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| Kentucky Power Company | | | | |
|--|----------------------|------------|-------------|------------|
| Monthly Environmental Surcharge Report Analysis | | | | |
| KPSC Case No. 2006-00507 | Current | Prior | | Percentage |
| Letter Dated October 10, 2003 2007 | Month | Month | Difference | Change |
| Attachment 4 Page 34 of 42 ES FORM 1.00 | | | | |
| | 2,915,796 | 2,585,496 | 330,300 | 12.78% |
| Line 1- CRR from ES Form 3.0 | 2,915,796 | 2,303,490 | 330,300 | 12./0% |
| Line 2A- Brr from ES Form 1.10 | 1,514,859 | 2,095,535 | (580,676) | -27.71% |
| | 1,014,000 | 2,000,000 | (000,010) | 21.1110 |
| Line 3- E(m) (Line 1 - Line 2) | 1,400,937 | 489,961 | 910,976 | 185.93% |
| | | | | |
| Line 4 - Kentucky Retail Jurisdictional Allocation Factor, | | | | |
| ES FORM 3.30 Schedule of Revenues, Line 1 | 67.8% | 71.1% | -3.30% | -4.64% |
| | | | | |
| Line 5A - KY Retail E (m) (Line 3 * Line 4) | 949,835 | 348,362 | 601,473 | 172.66% |
| | | | | |
| Line 5B - Monthly Increase in Jurisdictional Environmental Revenue Requirement per | 05 404 | 05 404 | | 0.00% |
| Case No. 2006-00128, dated January 31, 2007 | 95,494 | 95,494 | 0 | 0.00% |
| | (4 CR 200) | (22,023) | (1 46 7 PC) | 666 51 P/ |
| Line 6 - (Over)/Under Recovery Adjustment from ES Form 3.30 | (168,809) | (22,023) | (146,786) | 666.51% |
| Line 7 - Net KY Retail E (m) (Line 5 + Line 6) - Expense | 876,520 | 421,833 | 454,687 | 107.79% |
| Line 7 - Net KY Retail E (m) (Line 5 + Line 6) - Expense | 070,020 | 421,000 | -0 | 101.1870 |
| Line 8 - Net Retail E(m) (line 7) - Expense | 876,520 | 421,833 | 454,687 | 107.79% |
| | 0.0,020 | | | |
| Line 9 - KY Retail R(m) from ES Form 3.3 - Revenue | 28,451,204 | 33,233,581 | (4,782,377) | -14.39% |
| | | | | |
| Line 10 - Environmental Surcharge Factor for Expense Month (Line 8 / Line 9) | 3.0808% | 1.2693% | 1.8115% | 142.72% |
| | | | | |
| | | | | |
| Environmental Costs | | | | |
| ES FORM 1.00, Line 3 (Environmental Costs to be Allocated) | 1,400,937 | 489,961 | 910,976 | |
| ES FORM 1.00, Line 5B (Retail Customers Only) | 95,494 | 95,494 | 0 | |
| ES FORM 1.00, Line 6 (Over/Under Recovery) (Retail Customers Only) | (168,809) | (22,023) | (146,786) | |
| Total Environmental Costs | 1,327,622 | 563,432 | 764,190 | |
| | | | | |
| Allocation of Environmental Costs | | | | |
| Kentucky Retail Revenues | 876,520 | 421,833 | 454,687 | |
| FERC Wholesale Revenues | 15,410 | 3,920 | 11,490 | |
| Associated Utilities Revenues | 99,467 | 39,687 | 59,780 | |
| Non-Associated Utilities Revenues (Off System Sales) | 336,225 | 97,992 | 238,233 | |
| Total Environmental Costs By Revenue Category | 1,327,622 | 563,432 | 764,190 | |
| | | | | |
| | | | | |
| ES FORM 1.00, Line 3 (Environmental Costs to be Allocated) | 1,400,937 | 489,961 | 910,976 | |
| % of Kentucky Retail Revenues to Total Revenues for Month | 67,8% | 71.1% | | |
| Applicable KY Retail Environmental Costs | 949,835 | 348,362 | 601,473 | |
| ES FORM 1.00, Line 5B (Retail Customers Only) | 95,494 | 95,494 | 0 | |
| ES FORM 1.00, Line 6 (Over/Under Recovery) (Retail Customers Only) | (168,809) | (22,023) | (146,786) | |
| Total Environmental Costs To Be Recovered | 876,520 | 421,833 | 454,687 | |
| | | 0.0% | | |
| FERC Wholesale Revenues Associated Utilities Revenues | 1.1% | 0.8% | | |
| Non-Associated Utilities Revenues (Off System Sales) | 24.0% | 20.0% | | |
| NON-ASSociated Utilities Revenues (On System Spies) | 24.070 | 20.0 % | | |
| | | ······ | | |
| ES FORM 3.00 | | | | |
| First Component: Total Revenue Requirement - Big Sandy | | | | |
| Record on ES FORM 3.00, Line 1 | 3,227,641 | 2,792,163 | 435,478 | |
| | | | | |
| Second Component: Kentucky Power Company Portion of Rockport Total Revenue | | | | |
| | 48,438 | 46,927 | 1,511 | |
| Requirement, Record on ES FORM 3.20, Line 2 | | | | |
| | | 253,594 | 106,689 | |
| Requirement, Record on ES FORM 3.20, Line 2 Third Component: Net Gain/(Loss) from Emission Allowance Sales | 360,283 | 203,094 | | / |
| Third Component: Net Gain/(Loss) from Emission Allowance Sales | 360,283 | 200,094 | | |
| Third Component: Net Gain/(Loss) from Emission Allowance Sales Total Current Period Revenue Requirement, CRR | | | | / |
| Third Component: Net Gain/(Loss) from Emission Allowance Sales | 360,283 2,915,796 | 2,585,496 | 330,300 | |
| Third Component: Net Gain/(Loss) from Emission Allowance Sales Total Current Period Revenue Requirement, CRR | | | 330,300 | |
| Third Component: Net Gain/(Loss) from Emission Allowance Sales Total Current Period Revenue Requirement, CRR | | | 330,300 | |

1073

| Kentucky Power Company | | | | |
|---|--------------|------------------|-------------|---------------------------------------|
| Monthly Environmental Surcharge Report Analysis KPSC Case No. 2006-00507 | | | | |
| Letter Dated October 10, 2007 Attachment 4. May 2007 | Current | Prior | | Percentage |
| Attachment 4 | Month | Month | Difference | Change |
| Page 35 of 42 | | | | |
| ES FORM 3.10 | | | | |
| Line 1 - Utility Plant at Oringinal Cost | 191,086,055 | 191,086,055 | 0 | |
| Line 2 - Less Accumulated Depreciation | (34,229,909) | (33,607,621) | (622,288) | |
| Line 2 - Less Accum Def. Income Taxes | (33,572,199) | (33,284,553) | (287,646) | |
| | 123,283,947 | 124,193,881 | (909,934) | |
| Line 4 - Net Utility Plant | 11,705,515 | 11,853,061 | (147,546) | |
| Line 5 - SO2 Emission Allowance Inventory from ES FORM 3.11 | 0 | 0 | 0 | |
| Line 6 - ECR & NOx Emission Allowance inventory from ES FORM 3.12 | 124,040 | 78,753 | 45,287 | <u> </u> |
| Line 7 - Cash Working Capital Allowance from ES FORM 3.13, Line11 | 135,113,502 | 136,125,695 | (1,012,193) | |
| Line 8 - Total Rate Base | 10,15% | 10,15% | 0.00% | |
| Line 9 - Weighted Average Cost of Capital - ES FORM 3.15 | 0.85% | 0.85% | 0.00% | |
| Line 10 - Monthly Weighted Avg. Cost of Capital (9) / 12 | 1,148,465 | 1,157,068 | (8,603) | <u> </u> |
| Line 11 - Monthly Return of Rate Base (8) * (10) | 1,140,400 | 1,101,000 | (0,000) | |
| Operating Expenses : | 576,258 | 576,258 | 0 | |
| Line 12 - Monthly Depreciation Expense | | | 0 | |
| Line 13 - Monthly Catalyst Amortization Expense | 46,030 | 46,030 15,153 | 0 | |
| Line 14 - Monthly Property Taxes | | | 0 | <u> </u> |
| Line 15 - Monthly Kentucky Air Emissions Fee | 32,201 | 32,201 | U | |
| | | | | |
| Line 16 - Monthly Environmental AEP Pool Capacity Costs from ES FORM 3.14, Page | | | | |
| 1 of 11, Column 5, Line 10 / Monthly Gavin Scrubber Cost from ES FORM 3.14 | 1,056,601 | 731,268 | 325,333 | |
| Line 17 - Monthly 2003 Plan Non-Fuel O&M Expenses from ES FORM 3.13 | 235,191 | 80,472 | 154,719 | L |
| Line 18 - Monthly SO2 Emission Allowance Consumption - ES FORM 3.11 | 117,742 | 153,713 | (35,971) | |
| Line 19 - Monthly ERC & NOx Emission Allowance Consumption - | | | | |
| ES FORM 3.12 | 0 | 0 | 0 | |
| Line 20 - Total Operating Expenses [Line 12 thru Line 18] | 2,079,176 | 1,635,095 | 444,081 | |
| Line 21 - Total Revenue Requirement - Big Sandy - | | | | · |
| Record on ES FORM 3.00, Line 1 | 3,227,641 | 2,792,163 | 435,478 | |
| | | | | |
| ES FORM.3.11 | | | | |
| SO2 Emission Allowance Inventory | 11,705,515 | 11,853,061 | (147,546) | |
| SO2 Emissions Allowances Consumed By Kentucky Power | 2,959 | 3,863 | (904) | |
| | | | | |
| SO2 Allowance Management System - Internal Purchases | 0.0 | 0,0 | 0.0 | |
| SO2 Allowance Management System - External Purchases | 0.0 | 9,248.0 | (9,248.0) | |
| SO2 Allowance Management System - Internal Sales | 0.0 | 0.0 | 0.0 | |
| SO2 Allowance Management System - External Sales | 749.0 | 636.0 | 113.0 | |
| SO2 Allowance Management System - Adjustments | 0.0 | 0.0 | 0.0 | |
| SO2 Allowance Management System - Consumption | 2,959.0 | 3,863.0 | (904.0) | |
| | | | | |
| Member Load Ratio - KPC (ES FORM 3.11) | 0.07488 | 0.07488 | 0.00000 | |
| | | | | |
| ES FORM 3.12 | | | ļ | |
| ECR & NOx Emission Allowance Inventory | 0 | 0 | 0 | |
| ECR Consumed By Kentucky Power | 0 | 0 | 0 | |
| NOx Consumed By Kentucky Power | 0 | 0 | 0 | |
| | | | <u> </u> | |
| ES FORM 3.13 | | | | · |
| 1997 Plan : Monthly Kentucky Air Emissions Fee | 32,201 | 32,201 | 0 | |
| | 607,187 | 363,636 | 243,551 | ····· |
| Total Monthly AEP Pool Environmental Capacity Costs / Monthly Gavin Scrubber Costs Monthly SO2 Allowance Consumption | 117,742 | 153,713 | (35,971) | |
| Total 1997 Plan O&M Expenses | 757,130 | 549,550 | 207,580 | ~ |
| | 101,100 | | 201,000 | |
| 2003 Plan : | | | <u> </u> | |
| Monthly Varible Cladding at Big Sandy Unit 1 | | 0 | 0 | |
| Monthly Valible Clauding at big Sandy Unit 1 | 207,116 | 50,290 | 156,826 | |
| Monthly Catalyst Replacement at Big Sandy Unit 2 | 0 | 0 | 150,520 | |
| Monthly ERC & NOx Allowance Consumption | | O | 0 | • • • • • • • • • • • • • • • • • • • |
| Equipment - Associated Operating Expense | 1,059 | 0 | 1.059 | |
| Equipment - Associated Maintenance Expense | 27,016 | 30,182 | (3,166) | |
| Total 2003 Plan O&M Expenses | 235,191 | B0,472 | 154,719 | |
| | | <u>00, T/L</u> | 10-1,110 | |
| Total Monthly O&M Expenses | 992,321 | 630,022 | 362,299 | |
| | | | | |
| | 124,040 | 78,753 | 45,287 | |

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| Kentucky Power Company | | | | |
|---|------------------|----------------------|-------------|----------------------|
| Monthly Environmental Surcharge Report Analysis | | Dries | | |
| May 2007 | Current Month | Prior Month | Difference | Percentage Change |
| | | | | { |
| | | | | |
| | | | | |
| ES FORM 3.14 | | | | |
| Total AEP Pool Monthly Environmental Capacity Costs to Kentucky Power | 1,056,601 | 731,268 | 325,333 | |
| | | | | |
| Gavin Scrubber Expense: | | | | |
| Sjudge Removal | 639,259 | 1,038,118 | (398,859) | 1 |
| Line Consumption | 2,883,016 | 1,773,348 4,253,067 | 1,109,668 | |
| Lease Expense Scrubber Maintenance (Only 50% is Applicable) | 584,168 | 1,134,794 | (550,626) | |
| Total Gavin Scrubber Expenses | 8,359,510 | 8,199,327 | 160,183 | + |
| Scrubber Cost to Kentucky Power (ES FORM 3.10, Line 15) | 0 | 0 | 0 | |
| | -+ | | 1 | |
| Surplus Capacity kW | | | | |
| OPCo | 2,870,800 | 3,099,100 | (228,300) | |
| I&M | 156,300 | 358,100 | (2D1,800) | |
| Total | 3,027,100 | 3,457,200 | (228,300) | |
| Ohlo Power Surplus Weighting | 95% | 90% | 5.00% | ļ |
| Indiana Michgan Power Surplus Weighting | 5% | 10% | -5.00% | |
| Kentucky Power Capacity Deficit | 478,100 | 399,600 | 78,500 | |
| | | | | |
| ES FORM 3.20 | | | | |
| (Costs Associated with Rockport) | | | | |
| Line 12 - KPC Portion of Costs Associated with Rockport, | | | | |
| Record on ES FORM 3.00 | 48,438 | 46,927 | 1,511 | |
| | | | <u> </u> | |
| | | | | |
| ES FORM 3.30 | | | | |
| Kentucky Retail Revenues | 28,451,204 | 33,233,581 | (4,782,377) | |
| FERC Wholesale Revenues Associated Utilities Revenues | 478,578 | 356,918 3,795,680 | (831,121) | |
| Non-Associated Utilities Revenues | 10,070,744 | 9,347,318 | 723,426 | |
| Physical Revenues for Month | 41,965,085 | 46,733,497 | (4,768,412) | |
| Non Physical Revenues for Month | 271,951 | 1,351,561 | (1,079,610) | |
| Total Revenues for Month | 42,237,036 | 48,085,058 | (5,848,022) | |
| | | | | |
| % of Kentucky Retail Revenues to Total Revenues for Month | 67.8% | 71.1% | -3.3% | |
| % of FERC Wholesale Revenues to Total Revenues for Month | 1.1% | 0.8% | 0.3% | |
| % of Associated Utilities Revenues (Off System Sales) | | | | |
| to Total Revenues for Month % of Non Associated Utilities Revenues to Total Revenues for Month | 7.1% | 8.1% | -1.0% | |
| Total | 24.0% | 20,0% | 4.0% | |
| i Vlai | 100.0% | 100,0% | 0.0% | |
| | | | | |
| Over/(Under) Recovery Adjustment | | | [| |
| Kentucky Retail Surcharge Factor For - | | | | |
| March 2007 / February 2007 | -1.1149% | -0.2698% | -0.8451% | |
| Kentucky Retail Revenues for Current Expense Month | 23,784,196 | 33,014,826 | (9,230,630) | |
| Surcharge Collected | (265,170) | (89,074) | (176,096) | |
| Surcharge Amount To Be Collected | (433,979) | (111,097) | (322,882) | |
| | | | (10 704 | |
| Over/(Under) Recovery - Record on ES FORM 1.00, Line 6 | 168,809 | 22,023 | 146,786 | |

343

| KPSC Case No. 2006-00507Letter Dated October 10, 2007Attachment 4KENPage 37 of 42 | | | Schedule | 12 |
|--|---|---|---|----------|
| SOURCES AND DISPOSITION OF ENERGY FOR FERC TYPE FUEL COST ADJUSTMENT CLAUSE | | May 2007 | ESTIMATE | |
| SOURCES OF ENERGY | MWH | S_AMOUNT | MILLS/kWh | |
| OWN FOSSIL GENERATION (Sch 8, Line 30) ===> UNIT POWER PURCHASE (AEG) ROCKPORT #1 UNIT POWER PURCHASE (AEG) ROCKPORT #2 | 431,032 124,807 0 | 8,840,015 2,197,223 0 | 20.509 17.605 0.000 | Sch 8 |
| SUBTOTAL, ITEM 1 | 555,839 | 11,037,238 | 19.857 | ö |
| SYSTEM POOL - PRIMARY & ECONOMY AEP SYSTEM CASH PURCHASES INTERRUPTIBLE BUY-THROUGH SUBTOTAL, ITEM 2 3. TOTAL SOURCES (1+2) | 197,285 68,620 0 265,905 821,744 | 2,564,182 2,564,962 0 5,129,144 16,166,382 | 12.997 37.379 0.000 19.289 19.673 | |
| | | | | Line |
| | | 7,326,367 | | 33 |
| <u>DISPOSITION OF ENERGY</u> 4. OFF SYSTEM ALLOCATION OF SOURCES SYSTEM POOL - PRIMARY & ECONOMY UNIT POWER PURCHASE (AEG) ROCKPORT #1 UNIT POWER PURCHASE (AEG) ROCKPORT #2 AEP SYSTEM CASH PURCHASES OWN GENERATION INTERRUPTIBLE BUY-THROUGH | 37,633 19,463 0 65,716 83,234 20 | 747,277 334,876 0 2,531,817 1,551,690 1,168 | | Line |
| SUBTOTAL, ITEM 4 | 206,066 | 5,166,828 | 25.074 | 34 |
| 5. FUEL IDENTIFIED FOR NER (3-4) | 615,678 | 10,999,554 | 17.866 | |
| 6. TOTAL (4+5) | 821,744 | 16,166,382 | 19.673 | |
| A FUEL IDENTIFIED FOR NER (LINE 5 ABOVE) | 615,678 | 10,999,554 | 17.866 | |
| B.NON-MONETARY INTER-COMPANY RECEIPTS (+) DELIVERIES (-) C.FUEL IDENTIFIED FOR NER (LINES A+B) D.OUT OF PERIOD ADJUSTMENT E.CONVENTIONAL HYDRO F.TOTAL SUPPLY FOR NET ENERGY REQUIREMENT (NER) | 5,457 621,135 0 0 621,135 | 0 10,999,554 0 0 10,999,554 | 0.000 17.709 0.000 0.000 17.70880 | |

-

FUEL IDENTIFIED PORTION (A/C 151 FUEL BASIS)

| FUEL IDENTIFIED PORTION (A/C 151 FUEL BASIS) | | AMOUNT | |
|---|---------|------------|-----------|
| ACTUAL | MWH | \$ | MILLS/KWH |
| 1. OWN FOSSIL GENERATION | 537,990 | 9,867,780 | 18.342 |
| Unit Purchase (AEG) Rockport 1 | 136,419 | 2,397,965 | 17.578 |
| Unit Purchase (AEG) Rockport 2 | 75,002 | 1,379,398 | 18.391 |
| TOTAL | 749,411 | 13,645,143 | 18.208 |
| 2. OTHER PURCHASES (CASH SETTLED): | | | |
| System Pool - Primary/Economy | 43,586 | 586,125 | 13.448 |
| AEP System - Cash Purchases | 81,537 | 3,009,024 | 36.904 |
| Interruptible Buy-Through/SDI | 0 | 0 | 0.000 |
| TOTAL | 125,123 | 3,595,149 | 28.733 |
| 3. IDENTIFIED SOURCES (1 + 2) | 874,534 | 17,240,292 | 19.714 |
| OFF-SYSTEM ALLOCATION OF SOURCES: System Pool - Primary/Economy Allocated to AEP Deliveries (cash): | 99,212 | 1,806,560 | 18.209 |
| Unit Purchase (AEG) Rockport 1 | 1,377 | 22,598 | 16.411 |
| Unit Purchase (AEG) Rockport 2 | 458 | 7,443 | 16.251 |
| AEP System Cash Purchases | 77,750 | 2,948,439 | 37.922 |
| Own Generation | 77,354 | 1,422,013 | 18.383 |
| | 0 | 0 | 0.000 |
| Interruptible Buy-Through/SDI | 36 | 1,931 | 53.639 |
| TOTAL | 256,187 | 6,208,984 | 24.236 |
| 5. IDENTIFIED FOR NER (3 - 4) | 618,347 | 11,031,308 | 17.840 |
| 6. TOTAL (4 + 5) | 874,534 | 17,240,292 | 19.714 |
| A. FUEL IDENTIFIED FOR NER (LINE 5) B. NON-MONETARY INTER-COMPANY | 618,347 | 11,031,308 | 17.840 |
| | 667 | 0 | 0.000 |
| C. FUEL IDENTIFIED FOR NER (A + B) | 619,014 | 11,031,308 | 17.821 |
| | 0 | 0 | 0.000 |
| E. CONVENTIONAL HYDRO | | 0 | 0.000 |
| F. TOTAL SUPPLY FOR NER | 619,014 | 1,031,300 | 11.02011 |

KENTUCKY POWER COMPANY APRIL 2007

SOURCES AND DISPOSITION OF ENERGY FOR FERC TYPE FUEL COST ADJUSTMENT CLAUSE

| ACTUAL | |
|--|---|
| SOURCES | TOTAL MWH |
| 1. NET GENERATION: Fossil Steam | 537,990 |
| 2. INTER-COMPANY RECEIPTS: a. Purchased Power (Excluding Interchange) * Unit Power Purchases (AEG) Other* b. Non-Associated Companies c. System Account d. Interruptible Buy-Through/SDI Total Inter-Company Receipts | 211,421 81,537 0 171,193 0 464,151 |
| 3. TOTAL SOURCES (1 + 2) | 1,002,141 |
| DISPOSITION | |
| 4. INTER-COMPANY DELIVERIES: a. Non-Associated Companies b. System Account c. System Sales for Resale (w/o fuel adjustment) * d. Interruptible Buy-Through/SDI | 0 172,508 210,583 36 |

 c. System Sales for Resale (w/o fuel adjustment)
 210,583

 d. Interruptible Buy-Through/SDI
 36

 Total Inter-Company Deliveries
 383,127

 5. NET ENERGY REQUIREMENT (3 - 4)
 619,014

8. TOTAL DISPOSITION (4 + 5 + 6 + 7)

* Excludes power that did not enter into nor did it flow out of AEP System.

1,002,141

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 40 of 42

INVOICE AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS WITH THE CITY OF OLIVE HILL, KENTUCKY



| INVOICE DATE: PAYMENT DUE DATE: INVOICE NUMBER: | 5/8/2007 5/18/2007 117-20406813 | | | |
|---|---|-----------------|--|-------------------------|
| INVOICE PERIOD: | | 01-Apr-2007 | - 30-Apr-2007 | Eastern Prevailing Time |
| Billing Information: | | | | |
| Demand Charge: | | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing</u> \$ |
| Peak Date & Tim | e: 04/08/07 @ 9:00 | | | |
| | | 4,427 | \$9.26 | \$40,994.02 |
| | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 1,977,408 | \$0.0031396 | \$6,208.27 |
| Fuel Charge: | | 1,977,408 | \$0.0170476 | \$33,710.06 |
| Fuel Adjustment Charge: | | 1,977,408 | \$0.0027866 | \$5,510.25 |
| February 2007 Actual Fuel True-Up | <u>:</u> | | | |
| Actual | Fuel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 2,995,023 | \$0.0025232 <u>\$0.0027866</u> \$0.0002634 | \$788.89 |
| January 2007 Actual Fuel True-Up: | | | | |
| Actual Revision 1 | Fuel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 2,745,173 | \$0.0019501 <u>\$0.0017586</u> (\$0.0001915) | (\$525.70) |
| PJM Open Access Transmission T | ariff | | | \$16,564.49 |
| AMOUNT DUE AEP | | | | \$103,250.28 |
| | METHOD | S OF PAYMENT | | |
| Bank Instructions: | | | | |
| By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 | | | | |

Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generation Account Number 30484544

Billing Questions: (614) 583-6225 or (614) 583-6149

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 4 Page 41 of 42

INVOICE AMERICAN ELECTRIC POWER AS AGENT FOR KENTUCKY POWER COMPANY STATEMENT OF SCHEDULED TRANSACTIONS WITH THE CITY OF VANCEBURG, KENTUCKY



| INVOICE DATE: PAYMENT DUE DATE: (NVOICE NUMBER: | 5/8/2007 5/18/2007 117-20406812 | | | |
|---|---|-----------------|--|-------------------------|
| INVOICE PERIOD: | | 01-Apr-2007 - | 30-Apr-2007 | Eastern Prevailing Time |
| Billing Information: | | | | |
| Demand Charge: Peak date & Time: | 04/10/07 @ 8:00 | <u>Peak kW</u> | <u>\$/kW</u> | <u>Billing</u> \$ |
| | | 11,426 | \$9.08 | \$103,748.08 |
| | | Accumulated kWH | <u>\$/kWh</u> | |
| Energy Charge: | | 5,517,935 | \$0.0030769 | \$16 , 978.13 |
| Fuel Charge: | | 5,517,935 | \$0.0167067 | \$92,186.48 |
| Fuel Adjustment Charge: | | 5,517,935 | \$0.0027309 | \$15,068.93 |
| February 2007 Actual Fuel True-Up | <u>:</u> | | | |
| Actual I | Fuel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 7,202,739 | \$0.0024727 <u>\$0.0027309</u> \$0.0002582 | \$1,859.75 |
| January 2007 Actual Fuel True-Up: | | | | |
| Actual Revision 1 | Fuel Adjustment Charge: Fuel Adjustment Charge: Fuel Charge Difference: | 6,588,896 | \$0.0019111 <u>\$0.0017234</u> (\$0.0001877) | (\$1,236.74) |
| PJM Open Access Transmission Ta | ariff | | | \$25,133.18 |
| AMOUNT DUE AEP | | | | \$253,737.81 |
| Bank Instructions: | METHOD | OS OF PAYMENT | | |
| By Wire Transfer To: Citibank, N.A., N.Y. ABA# 0210-00089 | | | | |

Citibank, N.A., N.Y. ABA# 0210-00089 Kentucky Power Company - Generation Account Number 30484544

Billing Questions: (614) 583-6225 or (614) 583-6149

| | Source and Disposition of Energy (Total System) | |
|----------------------|--|---|
| | Generation: | <u>Megawatthours</u> |
| 1 | Total Net Generation (Sch 3) | 431,032 |
| | Purchased Power: | |
| | Interchange Pool (Sch 4, Pool Energy) Interchange Received Cash Purchased Power: Associated | 340,681 0 |
| | (Including Rockport) (Sch 4 or 12A) Purchased Power: Non Associated | 125,332 68,077 |
| 6 | Loop In/Out (Sch 4, Loop or Interchange In/Out - Nonassociated) | 0 |
| 7 | Total Purchased Power | 534,090 |
| 8 | Total Source (1 Plus 8) | 965,122 |
| | Billed and Accrued | |
| 10 11 12 13 | Total Energy Sales (Sch 3) Used in Electric & Other Departments (Sch 2) Furnished Without Charge Total Energy Accounted For (+10+11+12) Energy Lost and Unaccounted For Total Disposition (Must Equal Line 8) | 913,260 369 0 913,629 51,493 965,122 |
| | Billed Only (Memo) | |
| 16 17 18 19 | Total Energy Sales (Sch 3) Used in Electric & Other Departments (Sch 2) Furnished Without Charge Total Energy Accounted For Energy Lost and Unaccounted For Total Disposition (Must Equal Line 8) | 888,739 369 0 889,108 76,014 965,122 |

ALL-STATE* LEGAL 500-222-0510 ED11 RECYCLED

KPSC Case No. 2006-00507 Letter Dated October 10, 2007

KENTUCKY POWER

A unit of American Electric Power

Kentucky Power P 0 Box 5190 101A Enterprise Drive Frankfort, KY 40602 KentuckyPower.com

RECEIVED

JUN 18 2007

PUBLIC SERVICE

COMMISSION

June 18, 2007

Elizabeth O'Donnell, Executive Director Public Service Commission P. O. Box 615 211 Sower Boulevard Frankfort, Kentucky 40602

Attention: Isaac S. Scott

RE: Monthly Environmental Surcharge Report

Dear Ms. O'Donnell

Pursuant to KRS 278.183(3), Kentucky Power Company (Kentucky Power) files the original and three copies of its Environmental Surcharge Reports for the month of May 2007. In accordance with the Commission's Orders in the Environmental Surcharge cases, Kentucky Power has included the calculation and supporting documentation of the Environmental Surcharge Factor that will be billed for service on and after June 28, 2007.

If there are any questions please contact me at 502-696-7010.

Errol^{*}K. Wagn**ø** Director Regulatory Services Enclosures

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CALCULATION OF E(m) and SURCHARGE FACTOR For the Expense Month of May 2007

| | CALCULATION OF E(m) | | | |
|---------|---------------------|---|--------------|--|
| | E(m) = CRR - BRR | | | |
| LINE | 1 | CRR from ES FORM 3.00 | \$2,915,796 | |
| LINE | 2 | Brr from ES FORM 1.10 | \$1,514,859 | |
| LINE | 3 | E(m) (LINE 1 - LINE 2) | \$1,400,937 | |
| LINE | 4 | Kentucky Retail Jurisdictional Allocation Factor, from ES FORM 3.30, Schedule of Revenues, LINE 1 | 67.8% | |
| LINE | 5A | KY Retail E(m) (LINE 3 * LINE 4) | \$949,835 | |
| LINE | 5B | Monthly Increase in Jurisdictional Environmental Revenue Requirement per Case No. 2006-00128, dated January 31, 2007 | \$95,494 | |
| LINE | 6 | Over/(Under) Recovery Adjustment from ES FORM 3.30 | (\$168,809) | |
| LINE | 7 | Net KY Retail E(m) (LINE 5A + LINE 5B + LINE 6) | \$876,520 | |
| | | SURCHARGE FACTOR | | |
| LINE | 8 | Net KY Retail E(m) (Line 7) | \$876,520 | |
| LINE | 9 | KY Retail R(m) from ES FORM 3.30 | \$28,451,204 | |
| LINE | 10 | Environmental Surchage Factor for Expense Month (Line 8 / LINE 9) | 3.0808% | |

Effective Date for Billing:

July 2007

Submitted By :

Title :

Date Submitted :

June 18, 2007

Director Regulatory Services

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 5 Page 3 of 24

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ES FORM 1.10

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT BASE PERIOD REVENUE REQUIREMENT For the Expense Month of May 2007

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MONTHLY BASE PERIOD REVENUE REQUIREMENT

| Billing Month | Base Net Environmental Costs |
|---------------|------------------------------------|
| JANUARY | \$2,531,784 |
| FEBRUARY | 3,003,995 |
| MARCH | 2,845,066 |
| APRIL | 2,095,535 |
| MAY | 1,514,859 |
| JUNE | 1,913,578 |
| JULY | 2,818,212 |
| AUGUST | 2,342,883 |
| SEPTEMBER | 2,852,305 |
| OCTOBER | 2,181,975 |
| NOVEMBER | 2,598,522 |
| DECEMBER | 1,407,969 |
| TOTAL | \$28,106,683 |

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT For the Expense Month of May 2007

CALCULATION OF CURRENT PERIOD REVENUE REQUIREMENT

| LINE | | | |
|------|--|-----------|-------------|
| NO. | COMPONENTS | | |
| 1 | First Component: Associated with Big Sandy Plant ((RB KP(C)) (ROR KP(C)/12)) + OE KP(C) ES FORM 3.10, Line 20 | | \$3,227,641 |
| 2 | Second Component: Associated with Rockport Plant [((RB IM(C)) (ROR IM(C)/12)) + OE IM(C) ES FORM 3.20, Line 12 | | \$48,438 |
| | Third Component: Net Proceeds from Emission Allowances Sales AS 1) SO2 - EPA Auction Proceeds received during Expense Month | \$0 | |
| | SO2 - Net Gain or (Loss) from Allowance Sales, in compliance with the AEP Interim Allowance Agreement, received during Expense Month | \$360,283 | |
| | Total Net Proceeds from SO2 Allowances | \$360,283 | |
| | 1) NOx - ERC Sales Proceeds, received during Expense Month | \$0 | |
| | 2) NOx - EPA Auction Proceeds, received during Expense Month | \$0 | |
| | NOx - Net Gain or Loss from NOx Allowances Sales, received during Expense Month | \$0 | |
| | Total Net Proceeds from NOx Allowances | \$0 | |
| 3 | Total Net Gain or (Loss) from Emission Allowance Sales | | \$360,283 |
| 4 | Total Current Period Revenue Requirement, CRR Record on ES FORM 1.00. | | \$2,915,796 |

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT COSTS ASSOCIATED WITH BIG SANDY

| LINE NO. | COST COMPONENT | | |
|-------------|---|----------------|------------------------|
| 1 | Return on Rate Base : Utility Plant at Original Cost | \$191,086,055 | |
| 2 | Less Accumulated Depreciation | (\$34,229,909) | |
| 3 | Less Accum. Def. Income Taxes | (\$33,572,199) | |
| 4 | Net Utility Plant | | \$123,283,947 |
| 5 | SO2 Emission Allowance Inventory from ES FORM 3.11 | | \$11,705,515 |
| 6 | ECR & NOx Emission Allowance Inventory from ES FORM 3.12 | | \$0 |
| 7 | Cash Working Capital Allowance from ES FORM 3.13, Line11 | | \$124,040 |
| В | Total Rate Base | | \$135,113,502 |
| 9 | Weighted Average Cost of Capital - ES FORM 3.15 | 10.15% | |
| 10 | Monthly Weighted Avg. Cost of Capital (9) / 12 | | 0.85% |
| 11 | Monthly Return of Rate Base (8) * (10) | | \$1,148,465 |
| | Operating Expenses : | | |
| 12 | Monthly Depreciation Expense | | \$576,258 |
| 13 | Monthly Catalyst Amortization Expense | | \$46,030 |
| 14 | Monthly Property Taxes | | \$15,153 |
| 15 | Monthly Kentucky Air Emissions Fee | | \$32,201 |
| 16 | Monthly Environmental AEP Pool Capacity Costs | | R4 050 004 |
| 17 | from ES FORM 3.14, Page 1 of 11, Column 5, Line 10 Monthly 2003 Plan Non-Fuel O&M Expenses from ES FORM 3.13 | | \$1,056,601 |
| 18 | Monthly SO2 Emission Allowance Consumption | | \$235,191 \$117,742 |
| | Monthly ERC & NOx Emission Allowance Consumption | | ው ው በ 17,742 ድስ |
| | Total Operating Expenses [Line 12 thru Line 18] | | \$2,079, 1 76 |
| 21 | Total Revenue Requirement - Big Sandy | | <u> </u> |
| , , | Record on ES FORM 3.00, Line 1 | | \$3,227,641 |
| | | | , |

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT SO2 EMISSIONS ALLOWANCE INVENTORY

For the Expense Month of May 2007

| - | (1) Aliowance | (2) | (3) | (4) Cumulative | (5) |
|---------------------------------|---------------------------------------|------------|--------------|-------------------|--|
| | Activity in | Cumulative | Dollar Value | Dollar | Weighted |
| | Month | Balance | of Activity | Balance | Average Cost |
| BEGINNING INVENTORY | | 754,608 | | \$4,685,726 | \$6.209 |
| Additions - | | | | | |
| EPA Allowances | 0 | 298,425 | \$0 | \$0 | \$0.000 |
| Gavin Reallocation | 0 | 62,114 | \$0 | \$0 | \$0.000 |
| P & E Transfers In | 0 | 325,869 | \$0 | \$4,725,223 | \$14.500 |
| Intercompany Purchases | 0 | 20,657 | \$0 | \$3,212,441 | \$155.513 |
| Other (List) | . 0 | 428,624 | \$1,866,728 | \$67,006,514 | \$156.329 |
| SO2 Emissions Allowance | · · | | | | |
| Adjustment | 0 | 4 | \$0 | \$0 | \$0.000 |
| Withdrawals - | | | | | |
| P & E Transfers Out | 0 | 9,038 | \$0 | \$775,253 | \$85.777 |
| Intercompany Sales | 0 | 50,124 | \$0 | \$4,704,459 | \$93.856 |
| Off - System Sales | 749 | 292,367 | \$29,804 | \$29,574,404 | \$101.155 |
| SO2 Emissions Allowance | , | 202,001 | +201001 | 4-0101 11101 | <i>Q(0)00</i> |
| Adjustment | D | 0 | \$0 | \$0 | \$0.000 |
| SO2 Emissions Allowances | , , , , , , , , , , , , , , , , , , , | Ť | ÷÷ | * • | <i>\$0.000</i> |
| Consumed By Kentucky Power | 2,959 | 425.895 | \$117,742 | \$32,870,273 | \$77,179 |
| ENDING INVENTORY - Record | | | | 4 | <i>q</i> (1).10 |
| Balance in Column (4) ол | | | | | |
| ES FORM 3.10, Line 5 | | 1,112,877 | | \$11,705,515 | \$10.518 |
| | | | | | an a |
| Expense Month Member Load Ratio | for AEP/Kentucky | Power | | | 0.07488 |

Columns 1 and 2 -

Record the number of allowances in any transaction (purchase, sale, transfer) which occurred during the Expense Month. Multiple transactions for a given category are to be shown as the total activity for that category during the Expense Month. For each transaction shown in Column 1, update the cumulative balance in Column 2.

Columns 3 and 4 -

For each transaction reflected in Column 1, record the total dollars of the transaction. Multiple transaction for a given category are to be shown as the total dollar amount for that category during the Expense Month. For each transaction shown in Column 3, update the cumulative dollar balance in Column 4. Include transactions that total zero dollars. Record amounts in whole dollars.

Column 5 -

Compute the Weighted Average Cost by dividing the Cumulative Dollar Balance (Co. 4) by the corresponding Cumulative Balance (Col. 2). Perform this calculation for the Beginning Inventory, Ending Inventory and all additions and withdrawals made during the Expense Month. The Weighted Average Cost should be carried out to 3 decimal places.

ES FORM 3.12

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT ECR and NOx EMISSIONS ALLOWANCE INVENTORY

For the Expense Month of May 2007

| | (1) Allowance Activity in Month | (2) Cumulative Balance | (3) Dollar Value of Activity | (4) Cumulative Doliar Balance | (5) Weighted Average Cost |
|--|--|------------------------------|------------------------------------|-------------------------------------|---------------------------------|
| BEGINNING INVENTORY Additions - | | 0 | | \$0 | 0.000 |
| EPA Allowances | 0 | 18,575 | \$D | \$0 | |
| P&E Transfers In | 0 | 0 | | \$0 | |
| Intercompany Purchases | O | D | \$0 | \$0 | 0.000 |
| Other (List) | 0 | D | \$0 | \$0 | 0.000 |
| Withdrawals - | D | D | \$0 | \$0 | 0.000 |
| P & E Transfers Out Intercompany Sales | o | D N | \$0 \$0 | \$0 \$0 | 0.000 |
| Off - System Sales | Ő | 1,650 | \$0 | \$0 \$0 | 0.000 |
| ERC Consumed By Kentucky Power | ō | 930 | \$0 | \$D | 0.000 |
| NOx Consumed By Kentucky Power | 449 | 7,562 | \$0 | \$0 | 0.000 |
| ENDING INVENTORY - Record Balance in Column (4) on ES FORM 3.10, Line 5 | | 8,433 | | \$0 | 0.000 |

Columns 1 and 2 -

Record the number of allowances in any transaction (purchase, sale, transfer) which occurred during the Expense Month. Multiple transactions for a given category are to be shown as the total activity for that category during the Expense Month. For each transaction shown in Column 1, update the cumulative balance in Column 2.

Columns 3 and 4 -

For each transaction reflected in Column 1, record the total dollars of the transaction. Multiple transaction for a given category are to be shown as the total dollar amount for that category during the Expense Month. For each transaction shown in Column 3, update the cumulative dollar balance in Column 4. Include transactions that total zero dollars. Record amounts in whole dollars.

Column 5 -

Compute the Weighted Average Cost by dividing the Cumulative Dollar Balance (Co. 4) by the corresponding Cumulative Balance (Col. 2). Perform this calculation for the Beginning Inventory, Ending Inventory and all additions and withdrawals made during the Expense Month. The Weighted Average Cost should be carried out to 3 decimal places.

Note : For any sale or transfer of ERCs or NOx emission allowances, attach to this report documentation showing the currently available market prices for similar ERC or NOx allowances.

| Total Early Reduction Credits (ERC) | 930 |
|---|------------|
| Consumed: June 2004 July 2004 | 420 510 |
| Total Consumed | 930 |
| Remaining Early Reduction Credits (ERC) | 0 |

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT

For the Expense Month of May 2007

| LINE NO. | O&M Expenses | | |
|-----------------------------------|--|--|-------------------------------|
| 1 2 3 4 | 1997 Plan : Monthly Kentucky Air Emissions Fee Total Monthly AEP Pool Environmental Capacity Costs Monthly SO2 Allowance Consumption Total 1997 Plan O&M Expenses | \$32,201 \$607,187 <u>\$117,742</u> | \$757,130 |
| 5 6 7 8 9 10 11 | 2003 Plan : Monthly Varible Cladding at Big Sandy Unit 1 Monthly Urea Consumption at Big Sandy Unit 2 Monthly Catalyst Replacement at Big Sandy Unit 2 Monthly ERC & NOx Allowance Consumption Equipment - Associated Operating Expenses Equipment - Associated Maintenance Expenses Total 2003 Plan O&M Expenses | \$0 \$207,116 \$0 \$0 \$1,059 <u>\$27,016</u> | <u>\$235,191</u> |
| 12 13 | Total Monthly O&M Expenses Cash Working Capital Allowance (Line 10 X 1/8) | | <u>\$992.321</u> \$124,040 |

Total Cost at Line 11 is to be recorded on ES FORM 3.10, Line 7.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 5 Page 9 of 24

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Kentucky Power Company Environmental Equipment Operation and Maintenance Costs May 2007

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| Work Description | Material Costs | Outside Contract Labor | Misc Other Costs | Total Costs |
|---|----------------------|------------------------------|------------------------|----------------------|
| SCR Boiler Outlet Ductwork | \$562.50 | \$8,222.07 | \$0.00 | \$8,884.57 |
| SCR Instrument & Controls | \$1,509.68 | \$0.00 | \$0.00 | \$1,509.68 |
| SCR NOx Monitoring | \$1,274.78 | \$0.00 | \$0.00 | \$1,274.78 |
| SCR Booster Fan | \$1,078.82 | \$0.00 | \$0.00 | \$1,078.82 |
| Boiler Acoustic Horns | \$183.20 | \$0.00 | \$0.00 | \$183.20 |
| Ammonia Injection System | \$4,867.56 | \$0.00 | \$0.00 | \$4,867.56 |
| SCR Bypass Dampers | \$301.05 | \$0.00 | \$0.00 | \$301.05 |
| Total SCR May 2007 O & M Expense | \$9,877.59 | \$8,222.07 | \$0.00 | \$18,099.66 |
| Additional Operator Overtime During The Ozone Season | \$0.00 | \$0.00 | \$1,059.12 | \$1,059.12 |
| Emission Testing Required Under | | | | |
| Operation Maintenance | \$0.00 \$8,916.10 | \$0.00 \$0.00 | \$0.00 \$0.00 | \$0.00 \$8,916.10 |

May 2007 O & M Expenses Filed

\$28,075

ES FORM 3.14 Page 1 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT AEP POOL MONTHLY ENVIRONMENTAL CAPACITY COSTS

For the Expense Month of May 2007

| Line No. (1) | Cost Component (2) | Ohio Power Company's Environmental Cost to KPCo (3) | Indiana Michigan Power Company's Environmental Cost to KPCo (4) | Total (5) |
|--------------------|---|--|---|--------------|
| .1 | Amos Unit No. 3 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 3 of 11, Line 24) | - \$86,058 | | |
| 2 | Cardinal Unit No. 1 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 4 of 11, Line 22) | \$81,277 | | |
| 3 | Gavin Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 5 of 11, Line 26) | \$721,931 | | |
| 4 | Kammer Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 6 of 11, Line 20) | \$4,781 | | |
| 5 | Mitchell Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 7 of 11, Line 21) | \$57,372 | | |
| 6 | Muskingum Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 8 of 11, Line 20) | \$86,058 | | |
| 7 | Sporn Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 9 of 11, Line 20) | \$14,343 | | |
| 8 | Rockport Plant Environmental to Kentucky Power (ES FORM 3.14, Page 10 of 11, Column 5, Line 21) | | \$0 | |
| 9 | Tanners Creek Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 11 of 11, Line 20) | | \$4,781 | |
| 10 | Total AEP Pool Monthly Environmental Capacity Costs to Kentucky Power | \$1,051,820 | \$4,781 | \$1,056,601 |

Note: Cost in Column 5, Line 10 is to be recorded on ES FORM 3.10, Line 16.

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 5 Page 11 of 24

ES FORM 3.14 Page 2 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT AEP POOL MONTHLY ENVIRONMENTAL CAPACITY COSTS WORKING CAPITAL ONLY

| Line No. (1) | Cost Component (2) | Ohio Power Company's (OPCo) Envirønmental Cost to KPCo (3) | Indiana Michigan Power Company's (I&M) Environmental Cost to KPCo (4) | ⊤otal (5) |
|--------------------|---|--|--|--------------|
| 1 | Amos Unit No. 3 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 3 of 11, Line 16) | \$351,974 | | |
| 2 | Cardinal Unit No. 1 Environmental Cost to Kentucky Power (ES FORM 3.14, Page 4 of 11, Line 12) | \$207,911 | | |
| 3 | Gavin Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 5 of 11, Line 16) | \$10,090,115 | | |
| 4 | Kammer Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 6 of 11, Line 10) | \$18,033 | | |
| 5 | Mitchell Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 7 of 11, Line 11) | \$474,972 | | |
| 6 | Muskingum Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 8 of 11, Line 10) | \$161,202 | | |
| 7 | Sporn Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 9 of 11, Line 10) | \$13,368 | | |
| 8 | Rockport Plant Environmental to Kentucky Power (ES FORM 3.14, Page 10 of 11, Column 3, Line 10) | | \$12,500 | |
| 9 | Rockport Plant Environmental to Kentucky Power (ES FORM 3.14, Page 10 of 11, Columns 4 & 5, Line 10) | | \$0 | |
| 10 | Tanners Creek Plant Environmental Cost to Kentucky Power (ES FORM 3.14, Page 11 of 11, Line 10) | | \$12,500 | |
| 11 | Subtotal | \$11,317,575 | \$25,000 | Ň |
| 12 | Steam Capacity By Company - OPCo (Column 3) / I&M (Column 4) (kw) | 8,455,000 | 5,101,000 | |
| 13 | Environmental Base (\$/kw) | \$1.34 | \$0.00 | |
| 14 | Company Surplus Weighting | 95.00% | 5.00% | |
| 15 | Portion of Weighted Average Capacity Rate Attributed to Environmental Fixed O&M Costs | \$1.27 | \$0.00 | |
| 16 | Kentucky Power Capacity Deficit (kw) | 478,100 | 478,100 | |
| 17 | Fixed O&M Environmental Cost to Kentucky Power | \$607,187 | \$0 | \$607,187 |

ES FORM 3.14 Page 3 of 11

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - AMOS PLANT UNIT NO. 3

| LINE NO. | COST | AMOUNTS |
|-------------|---|-------------------------|
| | | \$90,118,342 |
| 1 | Utility Plant at Original Cost | 1.37% |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | \$1,234,621 |
| 3 | Total Rate Base | 100.00% |
| 4 | Ohio Power Company's Percentage Ownership - Environmental Investment | \$1,234,621 |
| 5 | OPCo's Share of Cost Associated with Amos Unit No. 3 (3) X (4) | $\psi_1, 2\psi_1\psi_2$ |
| | Operations : | \$0 |
| 6 | Disposal (5010000) | \$518,775 |
| 7 | Urea (5020002) | \$0,775 |
| 8 | Trona (5020003) | \$0 \$0 |
| 9 | Lime Stone (5020004) | \$9,160 |
| 10 | Air Emission Fee | \$527,935 |
| 11 | Total Operations (Lines 6 thru 10) | φ027,900 |
| | Maintenance : | \$0 |
| 12 | SCR Maintenance (5120000) | \$0 \$0 |
| 13 | 1/2 of Maintenance (12) * 50% | \$527,935 |
| 14 | Fixed O&M (11) + (13) | <u>66.67%</u> |
| 15 | Ohio Power Company's Percentage Ownership - O&M Cost | \$351,974 |
| 16 | OPCo's Share of O&M Cost Associated with Amos Unit No. 3 (14) X (15) | 3301,514 |
| 4-7 | Total Revenue Requirement, Cost Associated with Amos Unit No. 3 (5) + (16) | \$1,586,595 |
| 17 | | 8,455,000 |
| 18 | Ohio Power Company Steam Capacity (kw) | \$0.19 |
| 19 | Amos Unit No. 3 Environmental Rate (\$/kw) | 95.00% |
| 20 | Ohio Power Surplus Weighing | 50.0078 |
| 21 | Portion of Weighted Average Capacity Rate | \$0.18 |
| | Attributed to Amos Unit No. 3 SCR (\$/kw) (19) * (20) | φ0.10 |
| | Amos Unit No. 3 Costs to Kentucky Power : | \$0.18 |
| 22 | Amos Unit No. 3 Portion (\$/kw) (21) | 478,100 |
| 23 | Kentucky Power Capacity Deficit (kw) | 470,100 |
| | Amos Unit No. 3 Environmental Cost to Kentucky Power (22) * (23) | \$86,058 |
| 24 | (ES FORM 3.14, Page 1 of 10, Line 1) | φ00,000 |

ES FORM 3.14 Page 4 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - CARDINAL UNIT 1

| LINE NO. | COST | AMOUNTS |
|-------------|--|-------------------------------|
| | | \$97,295,190 |
| 1 | Utility Plant at Original Cost | 1.37% |
| 23 | Member Primary Capacity Investment Rate (16.44% / 12) Total Rate Base | \$1,332,944 |
| 3 | | $\psi_{1,002,0+1}$ |
| | Operations : | \$0 |
| 4 | Disposal (5010000) | \$203,476 |
| 5 | Urea (5020002) | \$200,470 |
| 6 7 | Trona (5020003) | \$0 \$0 |
| | Lime Stone (5020004) | \$4,43 <u>5</u> |
| 8 | Air Emission Fee | \$207,911 |
| 9 | Total Operations (Line 4 thru 8) | φ207,911 |
| | Maintenance : | \$0 |
| 10 | SCR Maintenance (5120000) | \$0 \$0 |
| 11 | 1/2 of Maintenance (10) * 50% | <u>50</u> \$207,911 |
| 12 | Fixed O&M (9) + (11) | <u>\$207,511</u> |
| | Total Revenue Requirement, | \$1,540,855 |
| 13 | Cost Associated with Cardinal Unit No. 3 (3) + (12) | <u>\$1,340,835</u> 100,00% |
| 14 | Ohio Power Company's Percentage Ownership | \$1,540,855 |
| 15 | OPCo's Share of Cost Associated with Cardinal Unit No. 1 (13) X (14) | |
| 16 | Ohio Power Company Steam Capacity (kw) | 8,455,000 \$0.18 |
| 17 | Cardinal Unit No. 1 (\$/kw) | \$0.18 95.00% |
| 18 | Ohio Power Surplus Weighing | 95.00% |
| 19 | Portion of Weighted Average Capacity Rate | \$0.17 |
| | Attributed to Cardinal Unit No. 1 (\$/kw) (17) X (18) | φ 0. 17 |
| | Cardinal Unit No. 1 Costs to Kentucky Power : | 60.47 |
| 20 | Cardinal Unit No. 1 Portion (\$/kw) (19) | \$0.17 478 100 |
| 21 | Kentucky Power Capacity Deficit (kw) | <u>478,100</u> |
| | Cardinal Unit No. 1 Environmental Cost to Kentucky Power (18) * (19) | CO4 077 |
| 22 | (ES FORM 3.14, Page 1 of 10, Line 2) | \$81,277 |

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - GAVIN PLANT (UNITS 1 & 2)

| LINE NO. | COST | AMOUNTS |
|-------------|--|------------------------|
| | | ¢044 027 250 |
| 1 | Utility Plant at Original Cost | \$244,637,350 1,27% |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | <u>1.37%</u> |
| 3 | Total Rate Base | \$3,351,532 |
| | Operations : | 0000 050 |
| 4 | Sludge Disposal (5010000) | \$639,259 |
| 5 | Lime (5020001) | \$2,883,016 |
| 6 | Urea (5020002) | \$1,478,173 |
| 7 | Trona (5020003) | \$432,366 |
| 8 | Lime Stone (5020004) | \$0 |
| 9 | Air Emission Fee | \$29,543 |
| 10 | Lease (5070005) | <u>\$4,253,067</u> |
| 11 | Total Operations (Lines 4 thru 10) | \$9,715,424 |
| | Maintenance : | |
| 12 | SCR Maintenance (5120000) | \$165,213 |
| 13 | Scrubber Maintenance (5120000) | <u>\$584,168</u> |
| 14 | Total Maintenance (12) + (13) | \$749,381 |
| 15 | 1/2 of Maintenance (13) * 50% | <u>\$374,691</u> |
| 16 | Fixed O&M (11) + (15) | <u>\$10,090,115</u> |
| | Total Revenue Requirement, | |
| 17 | Cost Associated with Gavin Plant (3) + (16) | \$13,441,647 |
| 18 | Ohio Power Company's Percentage Ownership | 100:00% |
| 19 | OPCo's Share of Cost Associated with Gavin Plant (17) X (18) | \$13,441,647 |
| 20 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 21 | Gavin Plant (\$/kw) | \$1.59 |
| 22 | Ohio Power Surplus Weighing | 95.00% |
| 23 | Portion of Weighted Average Capacity Rate | |
| _ | Attributed to Gavin Plant (\$/kw) (21) X (22) | \$1.51 |
| | Gavin Plant Costs to Kentucky Power : | |
| 24 | Gavin Plant Portion (\$/kw) (23) | \$1.51 |
| 25 | Kentucky Power Capacity Deficit (kw) | <u>478,100</u> |
|] - " | Gavin Plant Environmental Cost to Kentucky Power (24) * (25) | |
| 26 | (ES FORM 3.14, Page 1 of 10, Line 3) | \$721,931 |
| | | j |

ES FORM 3.14 Page 6 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - KAMMER PLANT (UNITS 1, 2 & 3)

| LINE NO. | COST | AMOUNTS |
|-------------|---|-----------------|
| | Litility Direct of Original Cost | \$7,112,543 |
| 1 | Utility Plant at Original Cost Member Primary Capacity Investment Rate (16.44% / 12) | <u>1.37%</u> |
| 23 | Total Rate Base | \$97,442 |
| | Operations : | φ07,112 |
| 4 | Urea (5020002) | \$0 |
| 5 | Trona (5020003) | \$0 |
| 6 | Air Emission Fee | <u>\$18,033</u> |
| 7 | Total Operations $(4) + (5) + (6)$ | \$18,033 |
| 1 ' | Maintenance : | 4141244 |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | \$D |
| 10 | Fixed $O&M(7) + (9)$ | \$18,033 |
| , | Total Revenue Requirement, | |
| 11 | Cost Associated with Kammer Plant (3) + (10) | \$115,475 |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Kammer Plant (11) X (12) | \$115,475 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 15 | Kammer Plant (\$/kw) | \$0.01 |
| 16 | Ohio Power Surplus Weighing | 95.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Kammer Plant (\$/kw) (15) X (16) | \$0.01 |
| | Kammer Plant Costs to Kentucky Power : | |
| 18 | Kammer Plant Portion (\$/kw) (17) | \$0.01 |
| 19 | Kentucky Power Capacity Deficit (kw) | <u>478,100</u> |
| | Kammer Plant Environmental Cost to Kentucky Power (18) * (19) | |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 4) | \$4,781 |
| | | |

ES FORM 3.14 Page 7 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - MITCHELL PLANT (UNITS 1 & 2)

| | COSŤ | AMOUNTS |
|----|---|--------------------|
| | | \$43,375,267 |
| 1 | Utility Plant at Original Cost | 1.37% |
| 23 | Member Primary Capacity Investment Rate (16.44% / 12) | \$594,241 |
| 3 | Total Rate Base | ψυστ,Ζτι |
| | Operations : | \$0 |
| 4 | Disposal (5010000) | \$332,748 |
| 5 | Urea (5020002) | \$120,750 |
| 6 | Trona (5020003) | |
| 7 | Air Emission Fee | <u>\$21,235</u> |
| 8 | Total Operations (Lines 4 thru 7) | \$474,733 |
| | Maintenance : | 6477 |
| 9 | SCR Maintenance (5120000) | \$477 |
| 10 | 1/2 of Maintenance (8) • 50% | <u>\$239</u> |
| 11 | Fixed O&M (8) + (10) | <u>\$474,972</u> |
| | Total Revenue Requirement, | A4 000 040 |
| 12 | Cost Associated with Mitchell Plant (3) + (11) | <u>\$1,069,213</u> |
| 13 | Ohio Power Company's Percentage Ownership | 100.00% |
| 14 | OPCo's Share of Cost Associated with Mitchell Plant (12) X (13) | \$1,069,213 |
| 15 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 16 | Mitchell Plant (\$/kw) | \$0.13 |
| 17 | Ohio Power Surplus Weighing | 95.00% |
| 18 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Mitchell Plant (\$/kw) (16) X (17) | \$0.12 |
| | Mitchell Plant Costs to Kentucky Power : | |
| 19 | Mitchell Plant Portion (\$/kw) (18) | \$0.12 |
| 20 | Kentucky Power Capacity Deficit (kw) | <u>478,100</u> |
| | Mitchell Plant Environmental Cost to Kentucky Power (19) * (20) | |
| 21 | (ES FORM 3.14, Page 1 of 10, Line 5) | \$57,372 |

ES FORM 3.14 Page 8 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - MUSKINGUM PLANT (UNITS 1, 2, 3, 4 & 5)

| LINE NO. | COST | AMOUNTS |
|-------------|--|--------------------|
| | | |
| 1. | Utility Plant at Original Cost | \$106,575,168 |
| 2 | Member Primary Capacity Investment Rate (16.44% / 12) | <u>1.37%</u> |
| 3 | Total Rate Base | \$1,460,080 |
| | Operations : | |
| 4 | Urea (5020002) | \$132,692 |
| 5 | Trona (5020003) | \$0 |
| 6 | Air Emission Fee | <u>\$28,510</u> |
| 7 | Total Operations $(4) + (5) + (6)$ | \$161,202 |
| | Maintenance : | |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | <u>\$0</u> |
| 10 | Fixed O&M (7) + (9) | <u>\$161,202</u> |
| | Total Revenue Requirement, | |
| 11 | Cost Associated with Muskingum Plant (3) + (10) | <u>\$1,621,282</u> |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Muskingum Plant (11) X (12) | \$1,621,282 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 15 | Muskingum Plant (\$/kw) | \$0.19 |
| 16 | Ohio Power Surplus Weighing | 95.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Muskingum Plant (\$/kw) (15) X (16) | \$0.18 |
| | Muskingum Plant Costs to Kentucky Power : | |
| 18 | Muskingum Plant Portion (\$/kw) (17) | \$0.18 |
| 19 | Kentucky Power Capacity Deficit (kw) | <u>478,100</u> |
| | Muskingum Plant Environmental Cost to Kentucky Power (18) * (19) | |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 6) | \$86,058 |
| | | |

ES FORM 3.14 Page 9 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT OHIO POWER COMPANY (OPCo) - SPORN PLANT (UNITS 2, 3, 4 & 5)

| LINE NO. | COST | AMOUNTS |
|-------------|--|------------------|
| 100. | 0031 | ANUCUNTS |
| | 1 Hills - Diant at Original Coast | \$15,262,706 |
| 1 | Utility Plant at Original Cost | |
| 23 | Member Primary Capacity Investment Rate (16.44% / 12) | <u>1.37%</u> |
| 3 | Total Rate Base | \$209,099 |
| | Operations : | |
| 4 | Urea (5020002) | \$0 |
| 5 | Trona (5020003) | \$0 |
| 6 | Air Emission Fee | <u>\$13,368</u> |
| 7 | Total Operations $(4) + (5) + (6)$ | \$13,368 |
| | Maintenance : | |
| 8 | SCR Maintenance (5120000) | \$0 |
| 9 | 1/2 of Maintenance (8) * 50% | <u>\$0</u> |
| 10 | Fixed O&M (7) + (9) | <u>\$13,368</u> |
| | Total Revenue Requirement, | |
| 11 | Cost Associated with Sporn Plant (3) + (10) | <u>\$222,467</u> |
| 12 | Ohio Power Company's Percentage Ownership | 100.00% |
| 13 | OPCo's Share of Cost Associated with Sporn Plant (11) X (12) | \$222,467 |
| 14 | Ohio Power Company Steam Capacity (kw) | 8,455,000 |
| 15 | Sporn Plant (\$/kw) | \$0.03 |
| 16 | Ohio Power Surplus Weighing | 95.00% |
| 17 | Portion of Weighted Average Capacity Rate | |
| | Attributed to Sporn Plant (\$/kw) (15) X (16) | \$0.03 |
| | Sporn Plant Costs to Kentucky Power : | |
| 18 | SpornGavin Plant Portion (\$/kw) (17) | \$0.03 |
| 19 | Kentucky Power Capacity Deficit (kw) | 478,100 |
| | Sporn Plant Environmental Cost to Kentucky Power (18) * (19) | |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 7) | \$14,343 |
| | · · · | |

ES FORM 3.14 Page 10 of 11 INTAL SURCHARGE REPORT

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT INDIANA MICHGAN POWER COMPANY (I&M) - ROCKPORT PLANT (UNITS 1 & 2)

For the Expense Month of May 2007

| NO. (1) | | Plant | UNIT 1 | UNIT 2 | LOT AL |
|-----------------------|---|------------------|--------------|--------------|-----------------|
| | COST | Common | AMOUNTS | AMOUNTS | 101AL |
| 5 | (2) | (3) | (4) | (2) | (9) |
| | Itility Plant at Original Cost | \$1,776,759 | \$10,544,676 | \$16,709,416 | |
| | Member Primary Capacity Investment Rate (16.44% / 12) | 1.37% | 1.37% | 1.37% | |
| 3 To | Total Rate Base | \$24,342 | \$144,462 | \$16'977¢ | |
| õ | Operations : | Ç | ç | C. | |
| _ | Urea (5020002) | | D C | | |
| 5 | Frona (5020003) | - 40 - 40 EOD | | | |
| | | \$12 500 | 3 | 03 | |
| | lotal Uperations (4) + (0) + (0) | | | | |
| | Maintence (510000) | \$0 | D\$ | \$0 | |
| 6 2 0 0 | | 0.9 | 20 | 뎼 | |
| | | \$12 500 | \$0 | \$0 | |
| | | 2021212 | Ĭ | 1 | |
| 5 <u>-</u> ; | l otal Kevenue Kequirement. Cost Associated with Rocknort Plant (3) + (10) | \$36,842 | \$144,462 | \$228,919 | |
| | ndiana Minhiaran Power Company's Percentane Ownership | 50% | 85,00% | 65,08% | |
| | I&M's Share of Cost Associated with Rockport Plant (11) X (12) | \$18,421 | \$122,793 | \$148,980 | |
| | Total Declarit Commun and Linits 1 & 2 | | | | \$290,194 |
| ± | | | | | |
| 15 Ir | ndlana Michigan Power Company Steam Capacity (kw) | | | | 5,101,000 |
| | Rockport Plant (\$/kw) (14) / (15) | | | | 90.U\$ |
| × | Kentucky Power Portion of Rockport Plant / | | | | 5 00% |
| | Indiana Michigan Powar Surplus Weighing | | | | |
| 18 18 | Portion of Weighted Average Capacity Rate | | | | \$0.00 |
| | Auriputed to rockpoin Frank (wrwy) (17) // (19) Rocknort Plant Costs to Kentucky Power : | | | | |
| 19 R | Rockport Plant Portion (\$/kw) (18) | | | | \$0.00 |
| | Kentucky Power Capacity Deficit (kw) | | | | <u>4/6, luu</u> |
| | | | | | \$0 |
| 21 | (ES FORM 3.14, Page 1 of 10, Line b) | | | | |

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 5 Page 19 of 24

ES FORM 3.14 Page 11 of 11

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT INDIANA MICHGAN POWER COMPANY (I&M) - TANNERS CREEK (UNITS 1, 2, 3 & 4)

| LINE NO. | COST | AMOUNTS |
|------------------|---|--|
| 1 2 3 | Utility Plant at Original Cost Member Primary Capacity Investment Rate (16.44% / 12) Total Rate Base | \$98,094,163 <u>1.37%</u> \$1,343,890 |
| 4 5 6 7 | Operations : Urea (5020002) Trona (5020003) Air Emission Fee Total Operations (4) + (5) + (6) | \$0 \$0 <u>\$12,500</u> \$12,500 |
| 8 9 10 | Maintenance : SCR Maintenance (5120000) 1/2 of Maintenance (8) * 50% Fixed O&M (7) + (9) Total Revenue Requirement, | \$0 <u>\$0</u> <u>\$12.500</u> |
| 11 12 13 | Cost Associated with Tanners Creek Plant (3) + (10) Indiana Michigan Power Company's Percentage Ownership I&M's Share of Cost Associated with Tanners Creek Plant (11) X (12) | <u>\$1,356,390</u> 100.00% \$1,356,390 |
| 14 15 | Indiana Michigan Power Company Steam Capacity (kw) Tanners Creek Plant (\$/kw) | 5,101,000 \$0.27 5,00% |
| 16 17 | Indiana Michigan Power Surplus Weighing Portion of Weighted Average Capacity Rate Attributed to Rockport Plant (\$/kw) (15) X (16) Tanners Creek Plant Costs to Kentucky Power : | \$0.01 |
| 18 19 | Tanners Creek Plant Portion (\$/kw) (17) Kentucky Power Capacity Deficit (kw) Tanners Creek Plant Environmental Cost to Kentucky Power (18) * (19) | \$0.01 <u>478,100</u> |
| 20 | (ES FORM 3.14, Page 1 of 10, Line 9) | \$4,781 |

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KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT BIG SANDY PLANT COST OF CAPITAL

For the Expense Month of May 2007

| LINE NO. | Component | Balances | Cap. Structure | Cost Rates | | WACC (Net of Tax) | GRCF | | WACC (PRE-TAX) |
|----------------------|--|--|-----------------------------|----------------------------|------|-------------------------|------------------------------|----|-------------------------|
| | | As of 12/31/2005 | | | | | | | |
| 1 2 3 | L/T DEBT S/T DEBT ACCTS REC FINANCING | \$487,964,000 \$6,040,631 \$32,348,353 | 55.819% 0.691% 3.700% | 5.835% 4.490% 3.888% | | 3.26% 0.03% 0.14% | | | 3.26% 0.03% 0.14% |
| 4 | CEQUITY | \$347,841,406 | 39.790% | 10.500% | | 4.18% | 1.6073 | 2/ | 6.72% |
| 5 | TOTAL | \$874,194,390 | 100.000% | | | 7.61% | - | | 10.15% |
| 1/ | WACC = Weig Rate of Return | | | | | | | | |
| 2/ | Gross Revenue Appendix C Ca | | | | | | | | |
| 1 2 | OPERATING F | REVENUE BLE ACCOUNTS | S EXPENSE (0.4 | 47%) | | | 100.0000 0.4700 | | |
| 3 4 | | BLE PRODUCTION NE TAX EXPENS | | | | | 99.5300 6.2203 | | |
| 5 6 | FEDERAL TAX | (ABLE PRODUC ON PHASE-IN | TION INCOME | BEFORE 199 D | EDL | ICTION | 93.3097 0.0000 | | |
| 7 8 | | ABLE PRODUC | | 9 DEDUCTION | (35% | 6) | 93.3097 32.6584 | | |
| 9 | AFTER-TAX P | RODUCTION IN | COME | | | | _60. <u>6513</u> | | |
| 10 11 12 13 | AFTER-TA 199 DEDU | ACTOR FOR PRI IX PRODUCTION ICTION PHASE- ICTIBLE ACCOU | N INCOME | | | | 60.6513 0.0000 0.4700 | | |
| 14 | TOTAL GROS | S-UP FACTOR F | OR PRODUCT | ION INCOME (F | ROU | NDED) | 61.1213 | | |
| 15 16 17 18 | BLENDED FEC FEDERAL STATE (LI BLENDED TA) | NE 4) | TE TAX RATE: | | | | 32.6584 6.2203 38.8787 | | |
| 19 | GROSS REVE | NUE CONVERS | ION FACTOR (| 100.0000 / Line ' | 14). | | 1.6361 | | |
| 1 2 | PRE-TAX I | IE TAX CALCUL PRODUCTION II IBLE ACCOUNT | NCOME | 20%) | | | 100,0000 0,4700 | | |
| 3 4 | | XABLE PRODUC | | BEFORE 199 I | DED | UCTION | 99.5300 0.0000 | | |
| 5 6 | | XABLE PRODUC | | BEFORE 199 I | DED | UCTION | 99.5300 6.2500 | | |
| 7 | STATE INC | COME TAX EXP | ENSE (LINE 5 X | LINE 6) | | | 6.2203 | | |

The WACC (PRE - TAX) value on Line 5 is to be recorded on ES FORM 3.10, Line 9.

Mointed Auerone Cost of Cantial Balances As of 12/31/2005 based on Case No. 2006-00128, dated January 31, 2007.

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT COSTS ASSOCIATED WITH ROCKPORT

For the Expense Month of May 2007

| | _ | | | 200 | | | | | | | | | | | | | | | | 8 | | |
|----------|-------|----------------|-----|-----------------------|--|--------------------------------|-------------------------------|-------------------------------|-----------------|--|--|----------------------|------------------------------|--|--|---------------------------------|---|--|--|--|----------|--|
| | | Total | (8) | | | | | | | | | | | | | | | | | \$48,438 | | |
| Total | Units | 18.2 | (1) | | | | | \$10 445 733 | | 1.0283% | \$107,413 | \$39,968 | \$0 | \$39,968 | | \$141,381 | \$44,214 | | | | | |
| | Unit | No. 2 | (6) | | | \$6,353,084 | (\$904,866) | \$990,411) | 40' 104' | | <u> </u> | \$24,502 | \$0 | | | • | | | | | | |
| | Unit | No. 1 | (5) | | | \$5,272,657 | (\$646,865) | (\$637,866) | \$3'881'870 | | | \$15.466 | \$0 | | | | | | | | | |
| Decknort | Plant | Common | (4) | | \$1 778 7E0 | AU, 10, 105 | (\$626,177) | (\$134,231) | \$1,016,351 | 1.0283% | \$10,451 | \$5,212 | \$12,500 | \$17,712 | - | \$28,163 | \$4,224 | - | | | | |
| | | | (3) | | | | | | 1000001 | 12.3398% | | | | | | | | | | | | |
| | | COST COMPONENT | | Return on Rate Base : | Rockport Plant Continuous Environmental Monitoring System (CEMS) | Utility Plant at Original Cost | Less Accumulated Depreciation | Less Accum. Def. Income Taxes | Total Rate Base | Weighted Average Cost of Capital, - ES FORM 3.21 | Monthiy veryined Avg. Cost of Capital (Line 2 * 12) Monthiv Return of Rate Base (Line 5 * Line 7) | Operating Expenses : | Monthly Depreciation Expense | Molituity intuitia Ani Ethiosophis ree Total Operating Expenses (Line 9 + Line 10)) | Total Revenue Requirement. Cost Associated with Rockport Plant | CEMS and LNB (Line 8 + Line 11) | Kentucky Power's Portion of Rockport's CEMS (Line 12 * 15%) Kontrow Power's Portion of AEGCo's LNB (Line 12 * 30%) | Kentucky Power's Portion of Rockport Plants' | Total Revenue Requirement. (Column 4, Line 13 + Column 7, Line 14) | Note: Cost In Column 8, Line 15 is to be Recorded on | | |
| | L | | | | | (| n n | 4 | ŝ | ωŀ | ~ @ | C | רא ק קיר כי | 2 5 | | 12 | 13 | <u>+</u> | | L | <u>ព</u> | |
| | | | | | | | | | | | | | | | | | | - | | | | |

With each monthly filing, attach a schedule similar to Exhibit EKW-2, page 11 of 11 (Wagner Direct Testimony in Case No. 96-489), showing the calculation of the Weighted Average Cost of Capital. These calculations should reflect the provisions of the Rockport Unit Power Agreement, and be as of the Current Expense Month.

KPC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 5 Page 22 of 24

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT ROCKPORT UNIT POWER AGREEMENT COST OF CAPITAL

For the Expense Month of May 2007

| LINE NO. | Component | Balances | Cap. Structures | Cost Rates | | WACC (NET OF TAX) | GRCF | | WACC (PRE - TAX) |
|------------------------|---|-------------------------------|---------------------------------|-------------------------------|----|-------------------------------|--|----|-------------------------------|
| | | As of 05/31/2007 | | | | | | | |
| 1 2 3 | L/T DEBT S/T DEBT CAPITALIZATION OFFSETS | 44,840,076 19,317,649 0 | 36,7796% 15.8451% 0.0000% | 4.9099% 5.3513% 5.0428% | | 1.8058% 0.8479% 0.0000% | ÷ | | 1.8058% 0.8479% 0.0000% |
| 4 5 | DEBT C EQUITY | 57,757,970 | 47,3753% | 12.1600% | 1/ | 5,7608% | 1.681379 | 2/ | 9.6861% |
| 6 | TOTAL | 121,915,695 | 100.0000% | | | 8.4145% ======== | | | 12.3398% ======== |
| 1/ | WACC = Weighted Cost Rates per the | Provisions of the | e Rockport Unit | C C | nt | - | | | |
| 2/ 1 2 3 4 | OPERATING REVE LESS: INDIANA A (LINE 1 X .085 INCOME BEFORE | ENUE .DJUSTED GRC ') | - | tion: | | | 100.00 <u>8.500</u> 91.500 | | |
| 5 6 7 8 9 | LESS: FEDERAL (LINE 4 X .35) OPERATING INCO GROSS REVENUE FACTOR (10) | ME PERCENTA | GE | | | | <u>32.025</u> 59.475 <u>1.681379</u> | | |

-

The WACC (PRE - TAX) value on Line 6 is to be recorded on ES FORM 3.20, Line 5.

KENTUCKY POWER COMPANY - ENVIRONMENTAL SURCHARGE REPORT CURRENT PERIOD REVENUE REQUIREMENT MONTHLY REVENUES, JURISDICTIONAL ALLOCATION FACTOR, and OVER/(UNDER) RECOVERY ADJUSTMENT

For the Expense Month of May 2007

SCHEDULE OF MONTHLY REVENUES

| Line No. | Description | Monthly Revenues | Percentage of Total Revenues |
|-------------|--|------------------|---------------------------------|
| 1 | Kentucky Retail Revenues | \$28,451,204 | 67.8% |
| 2 | FERC Wholesale Revenues | \$478,578 | . 1.1% |
| 3 | Associated Utilities Revenues | \$2,964,559 | 7.1% |
| 4 | Non-Assoc. Utilities Revenues | \$10,070,744 | 24.0% |
| 5 | Total Revenues for Surcharges Purposes | \$41,965,085 | 100.0% |
| 6 | Non-Physical Revenues for Month | \$271,951 | |
| 7 | Total Revenues for Month | \$42,237,036 | |

The Kentucky Retail Monthly Revenues and Percentage of Total Revenues (Line 1) are to be recorded on ES FORM 1.00, Lines 9 and 4. The Percentage of Kentucky Retail Revenues to the Total Revenues for the Expense Month will be the Kentucky Retail Jurisdictional Allocation Factor.

OVER/(UNDER) RECOVERY ADJUSTMENT

| Line No. | Description | Amounts |
|-------------|--|--------------|
| 1 | Kentucky Retail Surcharge Factor for March 2007 | -1.1149% |
| 2 | Kentucky Retail Revenues for Current Expense Month | \$23,784,196 |
| 3 | Surcharge Collected (1) * (2) | (\$265,170) |
| 4 | Surcharge Amount To Be Collected | (\$433,979) |
| 5 | Over/(Under) Recovery (3) - (4) = (5) | \$168,809 |

The Over/(Under) Recovery amount is to be recorded on ES FORM 1.00, LINE 6.

NOTE : The sign on LINE 5 of ES FORM 3.30 will be changed on LINE 6 of ES FORM 1.00 in order to properly adjust the collection of the current month's expense.

ALL-STATE LEGAL SUPPLY CO., 1-800-222-0510 ED11 RECYCLED

KPSC Case No. 2006-00507 Letter Dated October 10, 2007 Attachment 6 Page 1 of 1

