



**KENTUCKY
POWER**

A unit of American Electric Power

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

HAND DELIVERED

May 15, 2014

Jeff R. Derouen, Executive Director
Kentucky Public Service Commission
211 Sower Blvd.
P. O. Box 615
Frankfort, Kentucky 40602-0615

RECEIVED

MAY 15 2014

PUBLIC SERVICE
COMMISSION

Attention: Chris Whelan

RE: THE STANDARD FUEL ADJUSTMENT CLAUSE BACKUP FILING

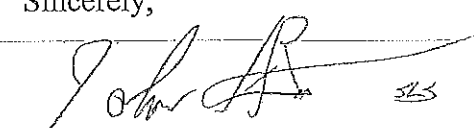
Dear Ms. Whelan:

In compliance with the Commission's Order dated November 25, 1981 in Case No. 8058-A, Kentucky Power is forwarding herewith for the month of March 2014 the required backup information for the fuel adjustment clause applied to customers' bills in the month of May 2014.

1. Fuel Inventory Schedule – Coal
2. Fuel Inventory Schedule – Oil
3. Fuel Purchase Schedule – Coal
4. Fuel Purchase Schedule – Oil
5. Power Transaction Schedule
6. Copies of new fuel contracts or price change notices
7. Unit Performance Data

Should you have any questions, please call me at (502) 696-7010.

Sincerely,


John A. Rogness
Director, Regulatory Services

Attachment

bcc: James Sorrels – Columbus
Brian Elswick– Columbus
Deborah Snyder – Columbus
Brian Lysiak – Columbus
John Lowry – Columbus
Megan Pratt- Columbus
Doreen Hohl – Columbus
Brian Hamborg

KENTUCKY POWER COMPANY																		
ANALYSIS OF COAL PURCHASES																		
MARCH 2014																		
P	O	C	M	I	S	D	T	K	D	I	S	T						
Station and Supplier	(b)	(c)	(d)	(e)	(f)	(g)	Tons Purchased	BTU Per LB.	No. MMBTU Per Ton	Price Per Ton	FOB Mine Cents Per MMBTU	Per Ton	Delivered Cost					
(a)								(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)
BIG SANDY PLANT																		
Long Term Contracts:																		
P	03-30-10-900	A	T	KY	08	23,600.76	11,751	23.50	76.55	325.74	0.00	76.55	325.74	0.89	12.08	7.74		
P	03-30-10-901	A	T	KY	08	14,536.52	12,151	24.30	78.73	323.99	0.00	78.73	323.99	0.90	7.70	9.44		
P	03-30-12-900	A	T	KY	08	68,023.28	11,914	23.83	70.31	295.05	0.00	70.31	295.05	1.09	13.74	6.24		
Station Weighted Average																		
						106,160.57	11,908	23.82	73.15	307.09	0.00	73.15	307.09	1.02	12.56	7.00		
TOTAL STATION WEIGHTED AVERAGE																		
						106,160.57	11,908	23.82	73.15	307.09	0.00	73.15	307.09	1.02	12.56	7.00		
ANALYSIS OF OIL PURCHASES																		
B	O	C	M	I	S	D	T	K	D	I	S	T						
Supplier	(a)	(b)	(c)	(d)	(e)	(f)	Station Name	Gal. or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal.	Cents Per MMBTU	% SO ₂						
(a)							(e)	(f)	(g)	(h)	(i)	(j)						
P	406288						Big Sandy	165,786.00	137,100	3.2723	2,386.77	0.36						

KENTUCKY POWER COMPANY																		
ANALYSIS OF COAL PURCHASES																		
MARCH 2014																		
Station and Supplier (a)	P O C N (c)	M T S I (d)	T S I District (e)	Tons Purchased (g)	BTU Per LB. (h)	No. MMBTU Per Ton (i)	FOB Mine		Trans Cost		Delivered Cost		% SO ₂ (p)	% Ash (q)	% H ₂ O (r)			
							Price Per Ton (j)	Cents Per MMBTU (k)	Per Ton (l)	Cents Per MMBTU (m)	Per Ton (n)	Cents Per MMBTU (o)						
TOTAL KENTUCKY POWER																		
Ohio Valley Resources	P	07-77-05-9000	VR	A	T	KY	08	21,794.29	12,523	25.05	57.90	231.14	0.00	57.90	231.14	4.13	9.38	7.03
S.M.& J.	P	07-00-10-900		A	T	KY	08	1,497.83	11,930	23.66	63.97	270.37	-2.49	63.38	267.88	0.86	9.42	9.60
Southern Coal Sales Corp	P	07-00-12-901		A	T	KY	08	15,571.80	12,420	24.84	79.12	318.52	5.20	20.93	339.45	1.21	8.30	8.06
Peabody COAL TRADE	P	03-00-14-4M1		A	T	KY	08	1,165.03	12,252	24.50	60.07	245.18	6.97	28.45	273.63	0.92	13.43	5.43
Patrit Coal	P	07-00-13-001		A	R	KY	08	12,771.79	12,094	24.19	65.91	272.47	6.97	28.81	301.28	0.83	12.37	6.59
EDF TRADING	P	03-00-14-001		B	R	KY	08	6,320.60	11,892	23.78	59.81	251.51	5.64	23.72	275.23	0.85	11.70	7.84
Mercuria Trading	P	03-00-14-007		B	R	KY	08	3,024.84	11,967	23.93	63.47	265.23	5.64	23.57	288.80	0.82	11.75	7.55
Maple	P	07-00-13-003		A	R	KY	08	9,745.17	12,562	25.12	63.51	252.83	6.97	27.75	280.57	0.76	12.87	4.25
Rhino Energy, LLC	P	03-30-10-900		A	T	KY	08	23,600.76	11,751	23.50	76.55	325.74	0.00	76.55	325.74	0.89	12.08	7.74
S.M.& J.	P	03-30-10-901		A	T	KY	08	14,536.52	12,151	24.30	78.73	323.99	0.00	78.73	323.99	0.9	7.7	9.44
Southern Coal Sales Corp	P	03-30-12-900		A	T	KY	08	68,023.29	11,914	23.83	70.31	295.05	0.00	70.31	295.05	1.09	13.74	6.24
TOTAL SYSTEM WEIGHTED AVERAGE								178,051.92	12,081	24.16	69.78	288.82	1.67	71.45	295.74	1.38	11.73	6.98

KENTUCKY POWER COMPANY
 ANALYSIS OF COAL PURCHASES
 MARCH 2014

Station and Supplier (a)	P O C N (c)	M T I S T (d)	District (e)	No. MMSTU Per Ton (f)	Price Per Ton (j)	FOB Mine Cents Per MMBTU (k)	Trans Cost Per Ton (l)	Cents Per MMBTU (m)	Delivered Cost Per Ton (n)	Cents Per MMBTU (o)	% SO2 (p)	Ash (q)	HO2 (r)			
														BTU Per LB. (h)	Tons Purchased (g)	
MITCHELL PLANT																
Long Term Contracts:																
Ohio Valley Resources	P	07-77-05-9000VR	A	08	43,320.00	12,523	25.05	57.90	231.14	0.00	0.00	57.90	231.14	4.13	9.38	7.03
S.M.& J.	P	07-00-10-900	A	08	2,977.20	11,830	23.66	63.97	270.37	-2.48	63.38	267.88	0.88	9.42	9.60	
Southern Coal Sales Corp	P	07-00-12-901	A	08	30,951.70	12,420	24.84	78.12	318.52	5.20	20.93	84.32	339.45	1.21	8.30	8.06
Station Weighted Average					77,248.90	12,455	24.91	66.64	267.52	2.06	8.27	68.70	275.79	2.83	8.96	7.54
Spot Market:																
Peabody COALTRADE	P	03-00-14-4M1	A	08	2,315.70	12,252	24.50	60.07	245.18	6.97	28.45	57.04	273.63	0.92	13.43	5.43
Patriot Coal	P	07-00-13-001	A	08	25,386.18	12,094	24.19	66.91	272.47	6.97	28.81	72.68	301.28	0.83	12.37	6.69
EDFTRADING	P	03-00-14-001	B	08	12,563.30	11,892	23.78	59.81	251.51	5.64	23.72	65.45	275.23	0.85	11.7	7.84
Mercuria Trading	P	03-00-14-007	B	08	6,012.40	11,967	23.93	63.47	265.23	5.64	23.57	69.11	288.8	0.82	11.75	7.65
Maple	P	07-00-13-003	A	08	19,389.00	12,562	25.12	63.51	252.83	6.97	27.75	70.48	280.57	0.78	12.87	4.25
Station Weighted Average					65,646.59	12,187	24.37	63.61	261.02	6.59	27.04	70.20	298.06	0.82	12.37	6.23
TOTAL STATION WEIGHTED AVERAGE																
					142,895.48	12,332	24.66	65.24	264.53	4.14	16.80	69.39	281.33	1.91	10.52	6.94

ANALYSIS OF OIL PURCHASES													
Supplier (a)	B D U I D	O C N (c)	M T (d)	Station Name (e)	Gal or Cu. Ft. Purchased (f)	BTU per Unit (g)	Delivered Cost Per Gal (h)	Cents Per MMBTU (i)	% SO2 (j)				
MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES													
Kentucky Power Share of Coal Receipts				71,891.35									
Mitchell Total Coal Receipts				142,895.48									
Mitchell - Kentucky Power Coal Receipts Ratio:				50.31%									
Ohio Valley Resources													
P	07-77-05-9000VR	A	08	21,794.29	Long Term Contract								
P	07-00-10-900	A	08	1,497.83	Long Term Contract								
P	07-00-12-901	A	08	15,571.80	Long Term Contract								
P	03-00-14-4M1	A	08	1,165.03	Spot								
P	07-00-13-001	A	08	12,771.79	Spot								
EDFTRADING													
P	03-00-14-001	B	08	6,320.60	Spot								
P	03-00-14-007	B	08	3,024.84	Spot								
Mercuria Trading													
P	07-00-13-003	A	08	9,745.17	Spot								
Total				71,891.35									
Kentucky Power Share of Oil Receipts													
Mitchell Total Oil Receipts				66,885.94									
Mitchell - Kentucky Power Oil Receipts Ratio				50.06%									
Petroleum Traders													
D	406288			66,885.94									

KENTUCKY POWER COMPANY
BIG SANDY PLANT
MARCH 2014

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		402,820.11	\$29,251,605.38	\$72.6170
Purchases		106,160.57	\$7,765,866.11	\$73.1521
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		508,980.68	\$37,017,471.49	\$72.7286
Less Coal Burned	2	123,011.00	\$8,946,422.44	\$72.7286
Ending Inventory		385,969.68	\$28,071,049.05	\$72.7286

1 Coal Pile Survey Adjustment

2 Includes 0 tons and \$0 of fuel used in power conversion transaction.

KENTUCKY POWER COMPANY
MITCHELL PLANT - KPCO SHARE
MARCH 2014

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		268,977.08	\$18,042,756.31	\$67.0792
Purchases		71,891.35	\$4,988,904.14	\$69.3951
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		340,868.43	\$23,031,660.45	\$67.5676
Less Coal Burned	2	168,040.11	\$11,731,861.79	\$69.8158
Ending Inventory		172,828.32	\$11,299,798.66	\$65.3816

1 Coal Pile Survey Adjustment

2 Includes 0 tons and \$0 of fuel used in power conversion transaction.

KENTUCKY POWER COMPANY
 BIG SANDY PLANT
 MARCH 2014

OIL INVENTORY SCHEDULE

	<u>Gallons</u>		<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	336,242.90	\$	1,032,306.92	\$3.0701
Purchases	165,786.00	\$	542,494.35	\$3.2723
Adjustments	0.00		0.00	\$0.0000
Sub-Total	502,028.90	\$	1,574,801.27	\$3.1369
Less Disposed				
Generation	107,539.20	\$	337,336.90	\$3.1369
Chemical Cleaning/Other	0.00		0.00	\$0.0000
Ending Inventory	394,489.70	\$	1,237,464.37	\$3.1369

Explain any adjustments fully. Use additional sheets if necessary.

Includes 0 tons and \$0 of fuel used in power conversion transaction.

KENTUCKY POWER COMPANY
 MITCHELL PLANT - KPCO SHARE
 MARCH 2014

OIL INVENTORY SCHEDULE

	<u>Gallons</u>		<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	387,343.00	\$	1,267,264.84	\$3.2717
Purchases	66,885.94	\$	235,002.80	\$3.5135
Adjustments	0.00		0.00	\$0.0000
Sub-Total	454,228.94	\$	1,502,267.64	\$3.3073
Less Disposed				
Generation	41,944.40	\$	138,722.36	\$3.3073
Chemical Cleaning/Other	99.55		329.23	\$3.3073
Ending Inventory	412,185.00	\$	1,363,216.05	\$3.3073

Explain any adjustments fully. Use additional sheets if necessary.

Includes 0 tons and \$0 of fuel used in power conversion transaction.

**KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
March 2014**

TRANSACTION TYPES *

SPOT MARKET ENERGY - DA	PJM MARKET SPOT ENERGY - DAY AHEAD
SPOT MARKET ENERGY - BAL	PJM MARKET SPOT ENERGY - BALANCING

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

PURCHASES

BILLING COMPONENTS

<u>TRANSACTION TYPE</u>	<u>MWH</u>	<u>FUEL CHARGE (\$)</u>	<u>DEMAND (\$)</u>	<u>OTHER CHARGES (\$)</u>	<u>TOTAL CHARGES (\$)</u>
SPOT MARKET ENERGY - BAL	38,646	2,208,289.96	0.00	0.00	2,208,289.96
SPOT MARKET ENERGY - DA	3,759	531,801.93	0.00	0.00	531,801.93
	42,406 ⁽¹⁾	2,740,091.89	0.00	0.00	2,740,091.89
INTERRUPTIBLE BUY/THROUGH	0	0.00	0.00	0.00	0.00
BOOKOUTS/OPTIONS	25,418	0.00	0.00	1,596,054.15	1,596,054.15
TOTALS:	67,824	2,740,092	0	1,596,054	4,336,146

⁽¹⁾ ALLOCATED TO SYSTEM SALES:
 ALLOCATED TO INTERNAL CUSTOMERS:

<u>MWH</u>	<u>Total Energy Charges</u>
39,260	2,524,811.29
3,146	215,280.60
42,406	2,740,091.89
0	0.00
42,406	2,740,091.89

LESS: PJM IMPLICIT CONGESTION INCLUDED IN THE INTERNAL CUSTOMER'S FIGURE:
 NET INCLUDABLE ENERGY CHARGES:

KENTUCKY POWER COMPANY
 POWER TRANSACTION SCHEDULE
 MONTH ENDED: MARCH 2014

SALES TRANSACTION TYPE	KPCO DELIVERED MWH	BILLING COMPONENTS					TOTAL CHARGES (\$)
		SUPPLIED BY KPCO SOURCES		DEMAND (\$)	OTHER CHARGES (\$)		
		MWH	FUEL CHARGE (\$)				
SPOT MARKET ENERGY - BAL	42,949	42,949	1,418,104	0	1,755,130	3,173,234	
SPOT MARKET ENERGY - DA	392,924	392,924	10,779,019	0	10,918,947	21,697,966	
	435,873	435,873	12,197,122.69 ⁽¹⁾	0.00	12,674,077.20	24,871,199.89	
PRIOR PERIOD ADJUSTMENT	0	0	0.00	0.00	0.00		
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00	
BOOKOUTS/OPTIONS:	34,963	0	0.00	0.00	1,873,369.07	1,873,369.07	
TOTALS:	470,836	435,873	12,197,123	0	14,547,446	26,744,569	
KPCo's other costs incurred, (other than fuel from Account 151):						958,465.45	
AEP energy cost less the actual energy costs incurred by KPCo:						0.00	
Difference (Total AEP energy charges - Total AEP energy costs):						11,715,611.76	
Total (Other Charges):						<u>12,674,077.21</u>	
SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)						12,197,122.69	
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)						2,524,811.29	
Less: FUEL ALLOCATED TO SYSTEM SALES						2,524,811.29	
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)						<u>12,197,122.69</u>	

FINAL SCHEDULE MARCH 2014 COSTS - ACTUAL

KENTUCKY POWER COMPANY
 FUEL COST SCHEDULE
 MONTH ENDED: MARCH 2014

(A) COMPANY GENERATION	BIG SANDY (PLANT)	ROCKPORT UNIT #1	ROCKPORT UNIT #2	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
COAL BURNED	8,946,422.44	3,204,702.49	3,093,570.11	5,428,068.19	6,303,793.60	26,976,556.84
OIL BURNED	337,336.90	5,735.12	10,317.95	94,873.60	43,848.77	492,112.33
GAS BURNED						
FUEL (JOINTLY OWNED PLANT)						
(2) FUEL (ASSIGNED COST DURING F.O.)						0.00
FUEL (SUBSTITUTE FOR F.O.)						
SUB-TOTAL						27,468,669.17
(B) PURCHASES						
(1) IDENTIFIABLE FUEL COST - OTHER PURCHASES						2,740,091.89
(2) IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)						0.00
SUB-TOTAL						2,740,091.89
(C) INTER-SYSTEM SALES						
(1) FUEL COSTS						12,197,122.69
TOTAL FUEL COSTS (A + B - C)						18,011,638.37
F.O. = FORCED OUTAGE						
DETAILS:						
<u>FUEL (ASSIGNED COST DURING F.O.)</u>						
QUANTITY OF SUBSTITUTE ENERGY GIVEN AN ASSIGNED COST (kWh):				0		
AT THE MITCHELL 1 FUEL RATE (NER) OF:		30,641		MILLS/kWh		0.00
<u>IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)</u>						
<u>PURCHASES SUBSTITUTED FOR F.O.:</u>						
CASH PURCHASES FROM NON-AFFILIATED COS.	kWh	0,000		MILLS/kWh		0.00
TOTAL PURCHASES (IDENTIFIABLE FUEL COST)						
(SUBSTITUTE FOR F.O.):	kWh	0,000		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.

(2) Kentucky Power's own generation was able to cover its load during hours when there was a forced outage at Mitchell 1. Therefore, no purchases were made to cover a deficiency in Kentucky Power generation.

AMERICAN ELECTRIC POWER SERVICE CORPORATION
 FU ID ENERGY SYSTEM PRACTICES
 KENTUCKY POWER COMPANY
 MONTHLY PURCHASE SUMMARY REPORT FOR
 (Year:2014 Month:3 Cycle:Actual) East Purchase Power Report for Book Name: Actual March 2014

NERC Id	Transaction Class	TOTAL			ALLOCATED			FIRM		
		MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST	MWH	ENERGY COST	FUEL COST
NPC12	HR-NF	-	-	-	-	-	-	-	-	-
OVP5	OVPS	-	-	-	-	-	-	-	-	-
PJM	SPOT MARKET ENERGY - BAL	38,646	2,208,289.96	2,208,289.96	36,564	2,104,182.28	2,104,182.28	2,082	104,107.88	104,107.88
PJM	SPOT MARKET ENERGY - DA	3,759	531,801.93	531,801.93	2,695	420,629.01	420,629.01	1,064	111,172.92	111,172.92
Total		42,406	2,740,091.89	2,740,091.89	39,260	2,524,811.29	2,524,811.29	3,146	215,280.60	215,280.60

APPENDIX A

KENTUCKY POWER COMPANY BIG SANDY - TOTAL PLANT MARCH 2014

<u>Line No.</u>	<u>Item Description</u>		
1.	Unit Performance:		
	a. Capacity (name plate rating) (MW)	1,096.8	
	b. Capacity (average load) (MW)	811.5	
	c. Net Demonstrated Capability (MW)	1,078.0	
	d. Net Capability Factor (%)	76.2	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	2,733.2	
	b. Gross Generation (MWH)	309,216	
	c. Net Generation (MWH)	295,855	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,239	
3.	Operating Availability:		
	a. Hours Unit Operated		Reported on Unit Basis Only
	b. Hours Available		Reported on Unit Basis Only
	c. Hours During the Period		Reported on Unit Basis Only
	d. Availability Factor (%)		Reported on Unit Basis Only
4.	Cost per KWH:		
	a. Gross Generation - FAC Basis (Cents/KWH)	3.0	
	b. Net Generation - FAC Basis (Cents/KWH)	3.1	
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station	124.6	

APPENDIX A

KENTUCKY POWER COMPANY BIG SANDY - UNIT 1 MARCH 2014

<u>Line No.</u>	<u>Item Description</u>		
1.	Unit Performance:		
	a. Capacity (name plate rating) (MW)	280.5	
	b. Capacity (average load) (MW)	201.6	
	c. Net Demonstrated Capability (MW)	278.0	
	d. Net Capability Factor (%)	72.5	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	1,395.0	
	b. Gross Generation (MWH)	155,206	
	c. Net Generation (MWH)	149,784	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,313	
3.	Operating Availability:		
	a. Hours Unit Operated	743.0	
	b. Hours Available	743.0	
	c. Hours During the Period	743.0	
	d. Availability Factor (L3b divided by L3c) (%)	100.0	
4.	Cost per KWH:		
	a. Gross Generation - FAC Basis (Cents/KWH)		Reported on total plant basis only
	b. Net Generation - FAC Basis (Cents/KWH)		Reported on total plant basis only
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station		Reported on total plant basis only

APPENDIX A

KENTUCKY POWER COMPANY
 BIG SANDY - UNIT 2
 MARCH 2014

<u>Line No.</u>	<u>Item Description</u>		
1.	Unit Performance:		
	a. Capacity (name plate rating) (MW)	816.3	
	b. Capacity (average load) (MW)	609.9	
	c. Net Demonstrated Capability (MW)	800.0	
	d. Net Capability Factor (%)	24.6	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	1,338.2	
	b. Gross Generation (MWH)	154,010	
	c. Net Generation (MWH)	146,071	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,161	
3.	Operating Availability:		
	a. Hours Unit Operated	239.5	
	b. Hours Available	239.5	
	c. Hours During the Period	743.0	
	d. Availability Factor (L3b divided by L3c) (%)	32.2	
4.	Cost per KWH:		
	a. Gross Generation - FAC Basis (Cents/KWH)		Reported on total plant basis only
	b. Net Generation - FAC Basis (Cents/KWH)		Reported on total plant basis only
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station		Reported on total plant basis only

APPENDIX A

KENTUCKY POWER COMPANY
 MITCHELL - TOTAL PLANT
 MARCH 2014

<u>Line No.</u>	<u>Item Description</u>		
1.	Unit Performance:		
	a. Capacity (name plate rating) (MW)	1,632.6	
	b. Capacity (average load) (MW)	1,341.7	
	c. Net Demonstrated Capability (MW)	1,560.0	
	d. Net Capability Factor (%)	74.1	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	8,188.8	
	b. Gross Generation (MWH)	930,106	
	c. Net Generation (MWH)	859,384	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,529	
3.	Operating Availability:		
	a. Hours Unit Operated		Reported on Unit Basis Only
	b. Hours Available		Reported on Unit Basis Only
	c. Hours During the Period		Reported on Unit Basis Only
	d. Availability Factor (%)		Reported on Unit Basis Only
4.	Cost per KWH:		
	a. Gross Generation - FAC Basis (Cents/KWH)	2.5	
	b. Net Generation - FAC Basis (Cents/KWH)	2.8	
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station	50.0	

APPENDIX A

KENTUCKY POWER COMPANY MITCHELL - UNIT 1 MARCH 2014

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	670.0
	c. Net Demonstrated Capability (MW)	770.0
	d. Net Capability Factor (%)	63.0
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	3,869.1
	b. Gross Generation (MWH)	392,995
	c. Net Generation (MWH)	360,323
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,738
3.	Operating Availability:	
	a. Hours Unit Operated	537.8
	b. Hours Available	537.8
	c. Hours During the Period	743.0
	d. Availability Factor (L3b divided by L3c) (%)	72.4
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
	b. Net Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
5.	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	Reported on total plant basis only

APPENDIX A

KENTUCKY POWER COMPANY
 MITCHELL - UNIT 2
 MARCH 2014

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	671.7
	c. Net Demonstrated Capability (MW)	790.0
	d. Net Capability Factor (%)	84.9
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,319.7
	b. Gross Generation (MWH)	537,111
	c. Net Generation (MWH)	499,061
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	8,656
3.	Operating Availability:	
	a. Hours Unit Operated	743.0
	b. Hours Available	743.0
	c. Hours During the Period	743.0
	d. Availability Factor (L3b divided by L3c) (%)	100.0
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
	b. Net Generation - FAC Basis (Cents/KWH)	Reported on total plant basis only
5.	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	Reported on total plant basis only