



A unit of American Electric Power

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

HAND DELIVERED

August 15, 2014

RECEIVED

AUG 15 2014

PUBLIC SERVICE  
COMMISSION

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

**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 June 2014 the required backup information for the fuel adjustment clause applied to customers' bills in the month of August 2014.

In accordance with the Commission's letter dated June 13, 2014, fuel contracts will be filed electronically.

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. Unit Performance Data

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

Sincerely,

John A. Rogness III  
Director, Regulatory Services

Attachment

KENTUCKY POWER COMPANY  
 BIG SANDY PLANT  
 JUNE 2014

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		268,860.92	\$19,669,925.09	\$73.1602
Purchases		138,431.06	\$9,978,641.19	\$72.0838
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		407,291.98	\$29,648,566.28	\$72.7944
Less Coal Burned	2	238,128.00	\$17,334,379.63	\$72.7944
Ending Inventory		169,163.98	\$12,314,186.65	\$72.7944

1 Coal Pile Survey Adjustment

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

**KENTUCKY POWER COMPANY  
 BIG SANDY PLANT  
 JUNE 2014**

**OIL INVENTORY SCHEDULE**

	<u>Gallons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	250,196.70	\$ 782,238.78	\$3.1265
Purchases	74,202.00	\$ 217,067.67	\$2.9254
Adjustments	0.00	0.00	\$0.0000
Sub-Total	324,398.70	\$ 999,306.45	\$3.0805
Less Disposed			
Generation	22,905.50	\$ 70,560.14	\$3.0805
Chemical Cleaning/Other	0.00	0.00	\$0.0000
Ending Inventory	301,493.20	\$ 928,746.31	\$3.0805

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  
 JUNE 2014

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		146,373.76	\$9,298,896.42	\$63.5284
Purchases		117,031.10	\$7,493,066.27	\$64.0263
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		263,404.86	\$16,791,962.69	\$63.7496
Less Coal Burned	2	139,290.72	\$8,745,655.97	\$62.7871
Ending Inventory		124,114.14	\$8,046,306.72	\$64.8299

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  
 JUNE 2014**

**OIL INVENTORY SCHEDULE**

	<u>Gallons</u>		<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	499,012.50	\$	1,651,296.21	\$3.3091
Purchases	1,337.10	\$	5,431.62	\$4.0622
Adjustments	0.00		0.00	\$0.0000
Sub-Total	500,349.60	\$	1,656,727.83	\$3.3111
Less Disposed				
Generation	82,314.60	\$	272,555.21	\$3.3111
Chemical Cleaning/Other	0.00		0.00	\$0.0000
Ending Inventory	418,035.00	\$	1,384,172.62	\$3.3111

Explain any adjustments fully. Use additional sheets if necessary.

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

KENTUCKY POWER COMPANY																	
ANALYSIS OF COAL PURCHASES																	
JUNE 2014																	
P	B	D	U														
Station and Supplier (a)	Contract No. (c)	SI District (d)	State (e)	Tons Purchased (g)	BTU Per LB. (h)	No. MMBTU Per Ton (i)	Price Per Ton (j)	FOB Mine Cents Per MMBTU (k)	Per Ton (l)	Trans Cost Cents Per MMBTU (m)	Per Ton (n)	Delivered Cost Cents Per MMBTU (o)	% SO <sub>2</sub> (p)	% Ash (q)	% H <sub>2</sub> O (r)		
<b>BIG SANDY PLANT</b>																	
<b>Long Term Contracts:</b>																	
P	09-30-10-900	A	T	KY	08	11,909.15	12,215	24.43	79.25	324.40	0.00	0.00	79.25	324.40	0.85	10.58	6.88
P	03-30-12-900	A	T	KY	08	39,923.13	12,291	24.58	79.07	321.68	0.00	0.00	79.07	321.68	0.84	12.30	5.61
Station Weighted Average																	
<b>Spot Market:</b>																	
P	03-30-14-002	A	R	KY	08	23,914.78	12,267	24.53	68.19	277.99	0.00	0.00	68.19	277.99	0.92	8.35	8.26
P	03-30-14-003	A	R	KY	08	24,059.79	12,057	24.11	71.28	295.64	0.00	0.00	71.28	295.64	0.96	11.08	7.20
P	03-30-14-001	A	T	KY	08	38,624.21	11,887	23.77	65.57	275.85	0.00	0.00	65.57	275.85	0.96	9.80	8.99
Station Weighted Average																	
<b>TOTAL STATION WEIGHTED AVERAGE</b>																	
138,431.06 12,130 24.26 72.08 297.13 0.00 0.00 72.08 297.13 0.91 10.57 7.38																	
ANALYSIS OF OIL PURCHASES																	
B	D	U															
Supplier (a)	Contract No. (c)	Station Name (e)	Station (d)	Gal or Cu. Ft. Purchased (f)	BTU per Unit (g)	Delivered Cost Per Gal (h)	% SO <sub>2</sub> (i)										
D	406288	Big Sandy	T	74,202.00	136,500	2.9254	0.36										
Petroleum Traders																	

KENTUCKY POWER COMPANY																		
ANALYSIS OF COAL PURCHASES																		
JUNE 2014																		
Station and Supplier (a)	P O C N (b)	M T S T D (c)	District (d)	ST (e)	No. MMBTU Per Ton (f)	Tons Purchased (g)	BTU Per L.B. (h)	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)		
																	%	
<b>TOTAL KENTUCKY POWER</b>																		
Rhino Energy, LLC	P	03-30-10-900	A	T	KY	08	11,909.15	12,215	24.43	79.25	324.40	0.00	0.00	79.25	324.40	0.95	10.58	6.88
Southern Coal Sales Corp	P	03-30-12-900	A	T	KY	08	39,923.13	12,291	24.58	79.07	321.68	0.00	0.00	79.07	321.68	0.84	12.30	5.61
S.M.& J.	P	03-30-14-002	A	R	KY	08	23,914.78	12,267	24.53	68.19	277.99	0.00	0.00	68.19	277.99	0.92	8.35	8.26
Alpha Coal Sales	P	03-30-14-003	A	R	KY	08	24,059.79	12,057	24.11	71.28	295.64	0.00	0.00	71.28	295.64	0.96	11.08	7.20
Beech Fork Processing	P	03-30-14-001	A	T	KY	08	38,624.21	11,887	23.77	65.57	275.85	0.00	0.00	65.57	275.85	0.96	9.80	8.99
Ohio Valley Resources	P	07-77-05-900OVR1	A	T	KY	08	50,940.09	12,724	25.45	57.14	224.52	0.00	0.00	57.14	224.52	3.81	9.02	6.18
Maple	P	07-00-13-003	A	R	KY	08	5,511.30	12,369	24.74	61.26	247.62	7.09	28.66	68.35	276.27	0.99	12.76	5.76
Peabody COAL TRADE	P	03-00-14-4M1	A	T	KY	08	2,548.30	12,683	25.37	59.94	236.26	6.97	27.47	66.91	263.74	0.94	11.96	4.67
EDFTRADING	P	03-00-14-002	A	R	KY	08	1,868.10	11,822	23.64	64.20	271.57	5.78	24.45	69.98	296.02	0.89	11.09	8.52
Trafigura AG	P	03-00-14-003	A	R	KY	08	5,633.43	12,191	24.38	55.33	231.05	6.97	28.59	63.30	259.64	0.86	12.94	5.68
Mercuria Trading	P	03-00-14-012	A	R	KY	08	7,142.54	11,851	23.70	63.80	289.20	5.64	23.80	69.44	293.00	0.98	10.15	9.17
Patriot Coal	P	07-00-13-001	A	R	KY	08	12,980.75	12,062	24.12	66.05	273.84	6.97	28.90	73.02	302.74	0.81	12.97	6.67
RWE Supply	P	03-00-14-005	A	T	KY	08	1,470.07	11,938	23.88	62.04	259.80	5.64	23.62	67.68	283.42	0.98	10.65	7.96
Patriot	P	03-00-14-014	A	T	KY	08	12,792.80	11,879	23.76	59.34	249.75	12.14	51.09	71.48	300.84	0.82	12.99	6.08
Trafigura AG	P	03-00-14-006	A	R	KY	08	789.14	11,781	23.56	62.12	263.67	5.64	23.94	67.76	287.61	0.92	11.3	8.47
Trafigura AG	P	03-00-14-008	A	T	KY	08	1,572.64	11,953	23.91	61.91	259.93	5.64	23.59	67.55	282.52	0.87	11.58	7.61
EDFTRADING	P	03-00-14-001	B	R	KY	08	13,063.80	11,996	23.99	60.18	250.85	5.67	23.63	65.85	274.49	0.95	10.74	8.19
Trafigura AG	P	03-00-14-009	A	T	KY	08	718.14	11,991	23.98	60.30	251.46	5.64	23.52	65.94	274.98	0.88	9.73	8.21
<b>TOTAL SYSTEM WEIGHTED AVERAGE</b>																		
							255,462.16	12,222	24.44	66.38	271.60	1.93	7.90	68.31	279.50	1.48	10.62	7.06

KENTUCKY POWER COMPANY  
 ANALYSIS OF COAL PURCHASES  
 JUNE 2014

P	B	D	U	M	I	S	T	District	Tons Purchased	BTU Per LB.	No. MMBTU Per Ton	Price Per Ton	FOB Mine		Trans Cost		Delivered Cost		Ash	SO <sub>2</sub>	H <sub>2</sub> O
													Cents Per MMBTU	Per Ton	Cents Per MMBTU	Per Ton	Cents Per MMBTU	Per Ton			
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	(s)	(t)	(u)	
MITCHELL PLANT																					
Ohio Valley Resources																					
P	07-07-05-9000VRI	A	KY	08					105,444.20	12,724	25.45	57.14	224.52	0.00	0.00	57.14	224.52	3.81	9.02	6.18	
Station Weighted Average																					
Spot Market:																					
P	07-00-13-003	A	KY	08					11,406.20	12,989	24.74	61.28	247.92	7.09	28.66	61.28	247.92	0.99	12.76	5.76	
P	03-00-14-4M1	A	KY	08					5,274.90	12,683	25.37	59.94	236.26	6.97	27.47	59.94	236.26	0.94	11.96	4.67	
P	03-00-14-002	A	KY	08					3,986.90	11,922	23.84	64.2	271.57	5.78	24.45	64.2	271.57	0.89	11.09	8.52	
P	03-00-14-003	A	KY	08					11,661.00	12,191	24.93	56.33	231.06	6.97	26.59	56.33	231.06	0.88	12.94	5.69	
P	03-00-14-012	A	KY	08					14,784.80	11,651	23.70	63.8	269.2	5.64	23.8	63.8	269.2	0.98	10.15	9.17	
P	07-00-13-001	A	KY	08					26,868.70	12,082	24.12	66.05	273.84	6.97	28.9	66.05	273.84	0.81	12.97	6.67	
P	03-00-14-005	A	KY	08					3,049.00	11,938	23.68	62.04	259.8	5.64	23.62	62.04	259.8	0.96	10.65	7.99	
P	03-00-14-014	A	KY	08					29,465.65	11,879	23.76	58.34	249.75	12.14	51.09	58.34	249.75	0.82	12.99	6.08	
P	03-00-14-006	A	KY	08					1,633.90	11,751	23.58	62.12	263.67	5.64	23.94	62.12	263.67	0.92	11.3	8.47	
P	03-00-14-008	A	KY	08					3,255.90	11,953	23.91	61.91	266.99	5.64	23.99	61.91	266.99	0.87	11.58	7.61	
P	03-00-14-001	A	KY	08					27,041.60	11,996	23.69	60.18	250.85	5.67	23.63	60.18	250.85	0.95	10.74	8.19	
P	03-00-14-009	A	KY	08					1,464.00	11,991	23.98	60.30	251.46	5.64	23.52	60.30	251.46	0.86	9.73	8.21	
Station Weighted Average																					
									138,789.55	12,035	24.07	61.54	255.67	7.63	31.70	61.54	255.67	0.89	11.98	7.03	
TOTAL STATION WEIGHTED AVERAGE									242,227.75	12,259	24.52	59.65	249.43	4.31	17.57	59.65	249.43	1.84	11.02	6.76	

ANALYSIS OF OIL PURCHASES

B	D	U	M	I	S	T	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU	SO <sub>2</sub>	
													(a)
Kentucky Power Share of Coal Receipts													
Mitchell - Kentucky Power Coal Receipts Ratio									48.31%				
Ohio Valley Resources													
P	07-07-05-9000VRI	A	KY	08				50,840.09	Long Term Contract				
P	07-00-13-003	A	KY	08				5,511.30	Spot				
P	03-00-14-4M1	A	KY	08				2,546.30	Spot				
P	03-00-14-002	A	KY	08				1,868.10	Spot				
P	03-00-14-003	A	KY	08				5,633.43	Spot				
P	03-00-14-012	A	KY	08				7,442.54	Spot				
P	07-00-13-001	A	KY	08				12,990.75	Spot				
P	03-00-14-005	A	KY	08				1,470.07	Spot				
P	03-00-14-014	A	KY	08				12,792.80	Spot				
P	03-00-14-006	A	KY	08				769.14	Spot				
P	03-00-14-008	A	KY	08				1,572.64	Spot				
P	03-00-14-001	B	KY	08				13,063.90	Spot				
P	03-00-14-009	A	KY	08				718.14	Spot				
Total									117,031.10				
Kentucky Power Share of Oil Receipts													
Mitchell Total Oil Receipts									17.85%				
Mitchell - Kentucky Power Oil Receipts Ratio													
Petroleum Traders													
D	406286							7,501.00	137,516		3.5789	0.36	



**KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
June 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.

**KENTUCKY POWER COMPANY  
POWER TRANSACTION SCHEDULE  
June 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

TRANSACTION TYPE	MWH	FUEL CHARGE	DEMAND	OTHER CHARGES	TOTAL CHARGES
		(\$)	(\$)	(\$)	(\$)
SPOT MARKET ENERGY - BAL	74,633	3,301,338.00	0.00	0.00	3,301,338.00
SPOT MARKET ENERGY - DA	0	0.00	0.00	0.00	0.00
<b>Subtotal:</b>	74,633 <sup>(1)</sup>	3,301,338.00	0.00	0.00	3,301,338.00
ROCKPORT	215,783	5,670,449.59	0.00	0.00	5,670,449.59
INTERRUPTIBLE BUY/THROUGH	0	0.00	0.00	0.00	0.00
BOOKOUTS/OPTIONS	22,001	0.00	0.00	933,002.93	933,002.93
<b>TOTALS:</b>	312,416	8,971,787.59	0.00	933,002.93	9,904,790.52

<sup>(1)</sup> SME PURCHASES - ALLOCATED TO SYSTEM SALES:  
 SME PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:  
 ROCKPORT PURCHASES - ALLOCATED TO SYSTEM SALES:  
 ROCKPORT PURCHASES - ALLOCATED TO INTERNAL CUSTOMERS:

<u>MWH</u>	<u>Total Energy Charges</u>
73,984	3,293,074.88
649	8,263.12
118,808	2,753,928.81
96,975	2,916,520.78
<u>290,415</u>	<u>8,971,787.59</u>
0	0.00
<u>290,415</u>	<u>8,971,787.59</u>

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

KENTUCKY POWER COMPANY  
 POWER TRANSACTION SCHEDULE  
 MONTH ENDED: JUNE 2014

SALES TRANSACTION TYPE	KPCO DELIVERED MWH	BILLING COMPONENTS					TOTAL CHARGES (\$)
		SUPPLIED BY KPCO SOURCES		DEMAND (\$)	OTHER CHARGES (\$)	TOTAL CHARGES (\$)	
		MWH	FUEL CHARGE (\$)				
SPOT MARKET ENERGY - BAL	38,281	38,281	815,831	0	348,480	1,164,311	
SPOT MARKET ENERGY - DA	637,540	637,540	15,994,023	0	11,292,018	27,286,041	
PRIOR PERIOD ADJUSTMENT	675,822 0	675,822 0	16,809,854.27 <sup>(1)</sup> 0.00	0.00 0.00	11,640,497.49 0.00	28,450,351.76	
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00	
BOOKOUTS/OPTIONS:	23,191	0	0.00	0.00	1,196,620.28	1,196,620.28	
TOTALS:	699,013	675,822	16,809,854	0	12,837,118	29,646,972	
KPCo's other costs incurred, (other than fuel from Account 151):						1,459,734.95	
AEP energy cost less the actual energy costs incurred by KPCo:						0.00	
Difference (Total AEP energy charges - Total AEP energy costs):						10,180,762.53	
Total (Other Charges):						11,640,497.48	
SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)						16,809,854.27	
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)						3,293,074.88	
Less: FUEL ALLOCATED TO SYSTEM SALES						3,293,074.88	
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)						16,809,854.27	

FINAL SCHEDULE JUNE 2014 COSTS - ACTUAL

KENTUCKY POWER COMPANY  
 FUEL COST SCHEDULE  
 MONTH ENDED: JUNE 2014

<u>(A) COMPANY GENERATION</u>	<u>BIG SANDY (PLANT)</u>	<u>MITCHELL 1 KP</u>	<u>MITCHELL 2 KP</u>	<u>FUEL AMOUNTS (\$)</u>
COAL BURNED	17,334,379.63	3,585,045.46	5,160,610.51	26,080,035.60
OIL BURNED	70,560.14	164,385.15	108,170.06	343,115.35
GAS BURNED				-----
FUEL (JOINTLY OWNED PLANT)				-----
(2) FUEL (ASSIGNED COST DURING F.O.)				0.00
FUEL (SUBSTITUTE FOR F.O.)				-----
<b>SUB-TOTAL</b>				<b>26,423,150.95</b>
 <u>(B) PURCHASES</u>				
(1) IDENTIFIABLE FUEL COST - OTHER PURCHASES				3,301,338.00
IDENTIFIABLE FUEL COST - ROCKPORT PURCHASES				5,670,449.59
(2) IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)				0.00
<b>SUB-TOTAL</b>				<b>8,971,787.59</b>
 <u>(C) INTER-SYSTEM SALES</u>				
(1) FUEL COSTS				16,809,854.27
TOTAL FUEL COSTS (A + B - C)				18,585,084.27
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 2 FUEL RATE (NER) OF:		24.937	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 had no instances when purchases were assigned to internal load for a sufficient duration during a forced outage to institute the substitute energy analysis. Therefore, no purchases were made to cover a deficiency in Kentucky Power generation.

AMERICAN ELECTRIC POWER SERVICE CORPORATION  
 FUEL AND ENERGY SYSTEM PRACTICES  
 KENTUCKY POWER

MONTHLY PURCHASE SUMMARY REPORT FOR  
 (Year: 2014, Month: 6 Cycle: Actual) East Purchase Power Report for Book Name: East Actual June 2014

NERC Id	Transaction Class	TOTAL		ALLOCATED		FIRM	
		MWH	ENERGY COST	MWH	ENERGY COST	MWH	ENERGY COST
NPC12	HR-NF	-	-	-	-	-	-
OVPS	OVPS	-	-	-	-	-	-
PJM	SPOT MARKET ENERGY - BAL	74,633	3,301,338.00	73,984	3,293,074.88	649	8,263.12
PJM	SPOT MARKET ENERGY - DA	-	-	-	-	-	-
Total		74,633	3,301,338.00	73,984	3,293,074.88	649	8,263.12

## APPENDIX A

### KENTUCKY POWER COMPANY BIG SANDY - TOTAL PLANT JUNE 2014

<u>Line No.</u>	<u>Item Description</u>		
1.	<b>Unit Performance:</b>		
	a. Capacity (name plate rating) (MW)	1,096.8	
	b. Capacity (average load) (MW)	797.4	
	c. Net Demonstrated Capability (MW)	1,078.0	
	d. Net Capability Factor (%)	74.0	
2.	<b>Heat Rate:</b>		
	a. Btu's Consumed (MMBTU)	5,508.4	
	b. Gross Generation (MWH)	605,522	
	c. Net Generation (MWH)	574,116	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,594	
3.	<b>Operating Availability:</b>		
	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.	<b>Cost per KWH:</b>		
	a. Gross Generation - FAC Basis (Cents/KWH)	2.9	
	b. Net Generation - FAC Basis (Cents/KWH)	3.0	
5.	<b>Inventory Analysis:</b>		
	a. Number of Days Supply based on actual burn at the station	42.2	

## APPENDIX A

**KENTUCKY POWER COMPANY  
 BIG SANDY - UNIT 1  
 JUNE 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)	159.9
	c. Net Demonstrated Capability (MW)	278.0
	d. Net Capability Factor (%)	57.5
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	1,147.0
	b. Gross Generation (MWH)	121,020
	c. Net Generation (MWH)	115,113
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,964
3.	Operating Availability:	
	a. Hours Unit Operated	720.0
	b. Hours Available	720.0
	c. Hours During the Period	720.0
	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  
 JUNE 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)	637.5
	c. Net Demonstrated Capability (MW)	800.0
	d. Net Capability Factor (%)	79.7
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,361.4
	b. Gross Generation (MWH)	484,502
	c. Net Generation (MWH)	459,003
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,502
3.	Operating Availability:	
	a. Hours Unit Operated	720.0
	b. Hours Available	720.0
	c. Hours During the Period	720.0
	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  
 MITCHELL - TOTAL PLANT  
 JUNE 2014**

<u>Line No.</u>	<u>Item Description</u>	
1.	<b>Unit Performance:</b>	
	a. Capacity (name plate rating) (MW)	1,632.6
	b. Capacity (average load) (MW)	1,231.6
	c. Net Demonstrated Capability (MW)	1,560.0
	d. Net Capability Factor (%)	64.1
2.	<b>Heat Rate:</b>	
	a. Btu's Consumed (MMBTU)	7,177.6
	b. Gross Generation (MWH)	782,078
	c. Net Generation (MWH)	720,222
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,966
3.	<b>Operating Availability:</b>	
	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.	<b>Cost per KWH:</b>	
	a. Gross Generation - FAC Basis (Cents/KWH)	2.4
	b. Net Generation - FAC Basis (Cents/KWH)	2.6
5.	<b>Inventory Analysis:</b>	
	a. Number of Days Supply based on actual burn at the station	29.4

## APPENDIX A

KENTUCKY POWER COMPANY  
 MITCHELL - UNIT 1  
 JUNE 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)	599.4
	c. Net Demonstrated Capability (MW)	770.0
	d. Net Capability Factor (%)	51.3
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	2,951.1
	b. Gross Generation (MWH)	313,543
	c. Net Generation (MWH)	285,128
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,350
3.	Operating Availability:	
	a. Hours Unit Operated	475.7
	b. Hours Available	475.7
	c. Hours During the Period	720.0
	d. Availability Factor (L3b divided by L3c) (%)	66.1
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  
 JUNE 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)	632.2
	c. Net Demonstrated Capability (MW)	790.0
	d. Net Capability Factor (%)	76.5
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,226.5
	b. Gross Generation (MWH)	468,535
	c. Net Generation (MWH)	435,094
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,714
3.	Operating Availability:	
	a. Hours Unit Operated	688.2
	b. Hours Available	688.2
	c. Hours During the Period	720.0
	d. Availability Factor (L3b divided by L3c) (%)	95.6
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