

RECEIVED

APR 15 2014

PUBLIC SERVICE
COMMISSION

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



A unit of American Electric Power

HAND DELIVERED

April 15, 2014

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 February 2014 the required backup information for the fuel adjustment clause applied to customers' bills in the month of April 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



**KENTUCKY
POWER**

A unit of American Electric Power

James Sorrels – Columbus
Brian Elswick – Columbus
Brian Lysiak – Columbus
Megan Pratt - Columbus
Ed Locigno - Columbus

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

KENTUCKY POWER COMPANY
 BIG SANDY PLANT
 FEBRUARY 2014

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		551,233.71	\$39,657,239.59	\$71.9427
Purchases		86,567.40	\$6,657,991.22	\$76.9111
Adjustments	1	0.00	\$0.00	\$0.0000
Sub-Total		637,801.11	\$46,315,230.81	\$72.6170
Less Coal Burned	2	234,981.00	\$17,063,625.43	\$72.6170
Ending Inventory		402,820.11	\$29,251,605.38	\$72.6170

1 Coal Pile Survey Adjustment

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

KENTUCKY POWER COMPANY
 BIG SANDY PLANT
 FEBRUARY 2014

OIL INVENTORY SCHEDULE

	<u>Gallons</u>		<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	333,462.80	\$	1,014,151.08	\$3.0413
Purchases	30,148.00	\$	102,178.64	\$3.3892
Adjustments	0.00		0.00	\$0.0000
Sub-Total	363,610.80	\$	1,116,329.72	\$3.0701
Less Disposed				
Generation	27,367.90	\$	84,022.80	\$3.0701
Chemical Cleaning/Other	0.00		0.00	\$0.0000
Ending Inventory	336,242.90	\$	1,032,306.92	\$3.0701

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
 FEBRUARY 2014

COAL INVENTORY SCHEDULE

		<u>Tons</u>	<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory		334,972.98	\$23,653,305.12	\$70.6126
Purchases		60,821.42	\$3,506,750.63	\$57.6565
Adjustments	1	<u>(5,673.31)</u>	<u>(\$457,588.53)</u>	\$80.6564
Sub-Total		390,121.09	\$26,702,467.22	\$68.4466
Less Coal Burned	2	<u>121,144.01</u>	<u>\$8,659,710.91</u>	\$71.4828
Ending Inventory		<u><u>268,977.08</u></u>	<u><u>\$18,042,756.31</u></u>	\$67.0792

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
 FEBRUARY 2014**

OIL INVENTORY SCHEDULE

	<u>Gallons</u>		<u>Amount</u>	<u>Per Unit</u>
Beginning Inventory	444,615.50	\$	1,454,642.51	\$3.2717
Purchases	34.70	\$	113.53	\$3.2715
Adjustments	0.00		0.00	\$0.0000
Sub-Total	444,650.20	\$	1,454,756.04	\$3.2717
Less Disposed				
Generation	57,212.35	\$	187,180.87	\$3.2717
Chemical Cleaning/Other	94.86		310.34	\$3.2717
Ending Inventory	387,343.00	\$	1,267,264.84	\$3.2717

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																																	
FEBRUARY 2014																																	
P	B	D	U	I	S	D	T	No.	FOB Mine	Trans Cost	Delivered Cost																						
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(r)																		
Station and Supplier	SI District	Tons Purchased	BTU Per LB.	Price Per Ton	Cents Per MMBTU	Per Ton	Cents Per MMBTU	Per Ton	Cents Per MMBTU	Per Ton	Cents Per MMBTU	Per Ton	Cents Per MMBTU	Per Ton	% SO ₂	% Ash	% H ₂ O																
BIG SANDY PLANT																																	
Long Term Contracts:																																	
P	03-30-08-901	A	T	KY	08	8,589.95	12,200	24.40	78.90	323.36	0.00	0.00	78.90	323.36	0.91	7.69	9.38																
P	03-30-10-900	A	T	KY	08	22,578.76	11,799	23.60	77.55	328.60	0.00	0.00	77.55	328.60	0.88	11.57	8.03																
P	03-30-10-901	A	T	KY	08	10,070.47	12,225	24.45	79.49	325.11	0.00	0.00	79.49	325.11	0.92	8.00	8.71																
P	03-30-12-900	A	T	KY	08	45,327.22	11,343	22.69	75.64	333.36	0.00	0.00	75.64	333.36	1.33	14.06	8.96																
Southern Coal Sales Corp																																	
Station Weighted Average																																	
TOTAL STATION WEIGHTED AVERAGE																																	
						86,567.40	11,653	23.31	76.91	329.94	0.00	0.00	76.91	329.94	1.12	12.05	8.72																
ANALYSIS OF OIL PURCHASES																																	
B	D	(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	Supplier	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU	% SO ₂	Petroleum Traders	Big Sandy	30,148.00	137,000	3.3892	2,473.89	0.36
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)																
Supplier	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU	% SO ₂																											
Petroleum Traders	Big Sandy	30,148.00	137,000	3.3892	2,473.89	0.36																											

KENTUCKY POWER COMPANY																	
ANALYSIS OF COAL PURCHASES																	
FEBRUARY 2014																	
P B D U (b)	P O C N (c)	M I (d)	S T (e)	D istrict (f)	T ons Purchased (g)	B TU Per LB. (h)	N o. MMBTU Per Ton (i)	P rice Per Ton (j)	F OB Mine Cents Per MMBTU (k)	P er Ton (l)	T rans Cost Cents Per MMBTU (m)	D elivered Cost Per Ton (n)	C ents Per MMBTU (o)	% SO ₂ (p)	A sh (q)	% H ₂ O (r)	
																	Station and Supplier (a)
MITCHELL PLANT																	
Long Term Contracts:																	
P	07-77-05-9000VRI	A	TY	08	140,464.00	12,430	24.86	56.81	228.52	0.00	0.00	56.81	228.52	4.09	9.87	7.13	
P	07-00-12-901	A	TY	08	2,934.00	12,436	24.87	100.58	404.42	87.85	353.24	188.43	757.66	0.91	7.56	8.53	
Station Weighted Average																	
					143,398.00	12,430	24.86	57.90	232.90	2.97	11.95	60.87	244.85	4.02	9.82	7.16	
Spot Market:																	
P	07-00-13-003	A	RY	08	736.20	11,828	23.66	136.02	574.89	6.97	29.46	142.99	604.35	1.05	13.40	7.23	
Station Weighted Average																	
					736.20	11,828	23.66	136.03	574.94	6.97	29.46	143.00	604.40	1.05	13.40	7.23	
TOTAL STATION WEIGHTED AVERAGE																	
					144,134.20	12,427	24.85	58.30	234.88	2.99	12.03	61.29	246.61	4.01	9.84	7.16	
ANALYSIS OF OIL PURCHASES																	
B	O	M															
D	C	T															
U	N	(d)															
(b)	(c)	(d)	Station Name (e)	Station (e)	Supplier (a)	Station Name (e)	Supplier (a)	Station Name (e)	Supplier (a)	Station Name (e)	Supplier (a)	Station Name (e)	Supplier (a)	Station Name (e)	Supplier (a)	Station Name (e)	Supplier (a)
Petroleum Traders	406288	T	Mitchell														
MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES																	
			Kentucky Power Share of Coal Receipts	60,821.42													
			Mitchell Total Coal Receipts	144,134.20													
			Mitchell - Kentucky Power Coal Receipts Ratio	42.20%													
P	07-77-05-9000VRI	A	TY	08	59,275.81	Long Term Contract											
P	07-00-12-901	A	TY	08	1,238.15	Long Term Contract											
P	07-00-13-003	A	RY	08	307.46	Spot											
					60,821.42												
Kentucky Power Share of Oil Receipts																	
Mitchell Total Oil Receipts																	
Mitchell - Kentucky Power Oil Receipts Ratio																	
Petroleum Traders	406288	T															

KENTUCKY POWER COMPANY																			
ANALYSIS OF COAL PURCHASES																			
FEBRUARY 2014																			
Station and Supplier (a)	P O C N (c)	M I S T (d)	I S T (e)	District (f)	Tons Purchased (g)	BTU Per LB. (h)	No. MMBTU Per Ton (i)	Price Per Ton (j)	FOB Mine			Trans Cost			Delivered Cost			Ash (g)	% (r)
									Cents Per MMBTU (k)	Per Ton (l)	Cents Per MMBTU (m)	Per Ton (n)	Cents Per MMBTU (o)	Per Ton (p)	% SO ₂ (q)				
Ohio Valley Resources	P	07-77-05-900QVR	A	T	KY	08	59,275.81	12,430	24.86	56.81	228.52	0.00	0.00	56.81	228.52	4.09	9.87	7.13	
Southern Coal Sales Corp	P	07-00-12-901	A	T	KY	08	1,238.15	12,436	24.87	100.58	404.42	87.85	353.24	188.43	757.66	0.91	7.56	8.53	
Maple	P	07-00-13-003	A	R	KY	08	307.46	11,828	23.66	136.02	574.99	6.97	29.46	142.99	604.35	1.05	13.4	7.23	
Beech Fork Processing	P	03-30-08-901	A	T	KY	08	8,589.95	12,200	24.40	78.9	323.36	0.00	0	78.9	323.36	0.91	7.69	9.38	
Rhino Energy, LLC	P	03-30-10-900	A	T	KY	08	22,579.76	11,799	23.60	77.55	328.6	0.00	0	77.55	328.6	0.88	11.57	8.03	
S.M.&J.	P	03-30-10-901	A	T	KY	08	10,070.47	12,225	24.45	79.49	325.11	0.00	0	79.49	325.11	0.92	8	8.71	
Southern Coal Sales Corp	P	03-30-12-900	A	T	KY	08	45,327.22	11,343	22.69	75.64	333.36	0.00	0.00	75.64	333.36	1.33	14.06	8.96	
TOTAL KENTUCKY POWER																			
TOTAL SYSTEM WEIGHTED AVERAGE							147,388.82	11,970	23.94	69.15	288.95	0.75	3.13	69.90	291.98	2.31	11.15	8.08	

**KENTUCKY POWER COMPANY
POWER TRANSACTION SCHEDULE
February 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	DEMAND	OTHER	TOTAL
		CHARGE (\$)	(\$)	CHARGES (\$)	CHARGES (\$)
SPOT MARKET ENERGY - BAL	55,788	2,997,124.87	0.00	0.00	2,997,124.87
SPOT MARKET ENERGY - DA	2,063	213,038.13	0.00	0.00	213,038.13
	57,851 ⁽¹⁾	3,210,163.00	0.00	0.00	3,210,163.00
INTERRUPTIBLE BUY/THROUGH	0	0.00	0.00	0.00	0.00
BOOKOUTS/OPTIONS	24,023	0.00	0.00	1,668,998.22	1,668,998.22
TOTALS:	81,874	3,210,163	0	1,668,998	4,879,161

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

<u>MWH</u>	<u>Total Energy Charges</u>
57,174	3,156,360.21
677	53,802.79
<u>57,851</u>	<u>3,210,163.00</u>
<u>0</u>	<u>0.00</u>
57,851	3,210,163.00

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

KENTUCKY POWER COMPANY
 POWER TRANSACTION SCHEDULE
 MONTH ENDED: FEBRUARY 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	27,425	27,425	882,984	0	1,413,902	2,296,885	
SPOT MARKET ENERGY - DA	459,038	459,038	13,411,963	0	15,415,362	28,827,325	
	486,464	486,464	14,294,946.89 ⁽¹⁾	0.00	16,829,263.91	31,124,210.80	
PRIOR PERIOD ADJUSTMENT	0	0	6,243.00	0.00	0.00		
INTERRUPTIBLE BUY/THROUGH	0	0	0.00	0.00	0.00	0.00	
BOOKOUTS/OPTIONS:	40,048	0	0.00	0.00	2,055,433.55	2,055,433.55	
TOTALS:	526,511	486,464	14,301,190	0	18,884,697	33,179,644	
KPCo's other costs incurred, (other than fuel from Account 151):						1,166,105.38	
AEP energy cost less the actual energy costs incurred by KPCo:						0.00	
Difference (Total AEP energy charges - Total AEP energy costs):						15,663,158.53	
Total (Other Charges):						<u>16,829,263.91</u>	
SUPPLIED BY KPCo SOURCES - FUEL CHARGE (Page 3)						14,294,946.89	
Add: ALLOCATED TO SYSTEM SALES (PAGE 2)						3,156,360.21	
Less: FUEL ALLOCATED TO SYSTEM SALES						3,156,360.21	
INTER-SYSTEM SALES - FUEL COSTS (PAGE 4)						<u>14,294,946.89</u>	

FINAL SCHEDULE FEBRUARY 2014 COSTS - ACTUAL

KENTUCKY POWER COMPANY
 FUEL COST SCHEDULE
 MONTH ENDED: FEBRUARY 2014

(A) COMPANY GENERATION	BIG SANDY (PLANT)	ROCKPORT UNIT #1	ROCKPORT UNIT #2	MITCHELL 1 KP	MITCHELL 2 KP	FUEL AMOUNTS (\$)
COAL BURNED	17,063,625.43	2,417,866.89	2,404,173.08	1,808,974.73	7,308,324.71	31,002,964.84
OIL BURNED	84,022.80	41,549.33	134,892.73	159,739.86	27,441.01	447,645.73
GAS BURNED						-----
FUEL (JOINTLY OWNED PLANT)						-----
FUEL (ASSIGNED COST DURING F.O.)						0.00
FUEL (SUBSTITUTE FOR F.O.)						-----
SUB-TOTAL						31,450,610.57
(B) PURCHASES						
⁽¹⁾ IDENTIFIABLE FUEL COST - OTHER PURCHASES						3,210,163.00
IDENTIFIABLE FUEL COST (SUBSTITUTE FOR F.O.)						0.00
SUB-TOTAL						3,210,163.00
(C) INTER-SYSTEM SALES						
⁽¹⁾ FUEL COSTS						14,301,189.89
TOTAL FUEL COSTS (A + B - C)						20,359,583.69
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:		0.000		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

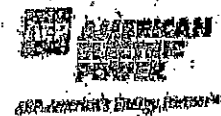
⁽¹⁾ INCLUDES TOTAL ENERGY COSTS OF NON-ECONOMY PURCHASES AS PER KPSC ORDER OF OCTOBER 3, 2002 IN CASE NO. 2000-00495-B.

AMERICAN ELECTRIC POWER SERVICE CORPORATION
 FUEL AND ENERGY SYSTEM PRACTICES
 AMERICAN ELECTRIC POWER
 MONTHLY PURCHASE SUMMARY REPORT FOR
 (Year:2014 Month:2 Cycle:Actual) East Purchase Power Report for Book Name: Actual February 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	-	-	-	-	-	-	-	-	-
OVPS	OVPS	-	-	-	-	-	-	-	-	-
PJM	SPOT MARKET ENERGY - BAL	55,788	2,997,124.87	2,997,124.87	55,111	2,943,322.08	2,943,322.08	677	53,802.79	53,802.79
PJM	SPOT MARKET ENERGY - DA	2,063	213,038.13	213,038.13	2,063	213,038.13	213,038.13	-	-	-
Total		57,851	3,210,163.00	3,210,163.00	57,174	3,156,360.21	3,156,360.21	677	53,802.79	53,802.79

02/13/2014 08:07 6067437115
02/13/2014 08:59 6067396896

WRIGLEY 7 711
S.M.J. INC



February 12, 2014

S. M. & J., Inc.
c/o U.S. Coal Corporation
Attn: Mr. John Whit
P.O. Box 377
Cellefburg, KY 41129

Re: Coal Purchase and Sale Agreement No. 03-80-10-901, dated as of
November 29, 2010, between Kentucky Power Company ("Buyer") and
S. M. & J., Inc. ("Seller")

Amendment No. 2014-2

Reference is made to the above-captioned Coal Purchase and Sale Agreement, as amended, (the
"Agreement") under which Seller is supplying coal to Buyer.

Effective February 11, 2014, Buyer and Seller agree to amend the Agreement as follows:

In ARTICLE IV, Billing and Payment Financial Reports, delete the "Remit to" information and replace
with the following in lieu thereof:

Bank: Traditional Bank
49 West Main Street
Mt Sterling, KY 40363
ABA No. [REDACTED]
Account No. [REDACTED]
Name on Account: S.M. & J., Inc.

Except as amended herein, all other provisions of the Agreement shall remain in full force and effect. If
you are in agreement with the foregoing, kindly indicate your acceptance thereof by signing the enclosed
duplicate of this letter in the space provided and return it to this office.

Marguerita C. Mills

Marguerita C. Mills
Vice President, Fuel Procurement
On behalf of American Electric Power
Service Corporation, as agent for
Kentucky Power Company

Acceptance Date: 2-13-14

S. M. & J., Inc.

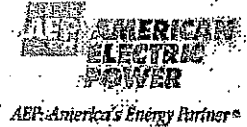
Signature

John Whit

Name (Print)

Title

State The Power



February 11, 2014

S. M. & J., Inc.
Attn: Mr. John Whit
P.O. Box 377
Catlettsburg, KY 41129

Re: Coal Purchase and Sale Agreement No. 07-00-10-900, dated as of
November 17, 2010, between Kentucky Power Company (formerly
Ohio Power Company) ("Buyer") and S. M. & J., Inc. ("Seller")

Amendment No. 2014-2


Reference is made to the above-captioned Coal Purchase and Sale Agreement, as amended, (the
"Agreement") under which Seller is supplying coal to Buyer.

Effective February 11, 2014, Buyer and Seller agree to amend the Agreement as follows:

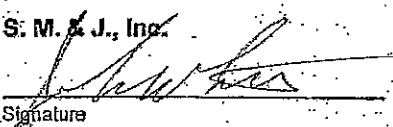
In ARTICLE IV, Billing and Payment; Financial Reports, delete the "Remit to" information and replace
with the following in lieu thereof:

Bank: Traditional Bank
49 West Main Street
Mt Sterling, KY 40353
ABA No. [REDACTED]
Account No. [REDACTED]
Name on Account: S.M. & J., Inc.

Except as amended herein, all other provisions of the Agreement shall remain in full force and effect. If
you are in agreement with the foregoing, kindly indicate your acceptance thereof by signing the enclosed
duplicate of this letter in the space provided and return it to this office.

for 
Marguerite C. Mills
Vice President, Fuel Procurement
On behalf of American Electric Power
Service Corporation, as agent for
Kentucky Power Company *DW*

Acceptance Date: 2/11/14

S. M. & J., Inc.


Signature
Name (Print) John Whit

Title SMJ Buyer

APPENDIX A

KENTUCKY POWER COMPANY BIG SANDY - TOTAL PLANT FEBRUARY 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)	968.5	
	c. Net Demonstrated Capability (MW)	1,078.0	
	d. Net Capability Factor (%)	80.2	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	5,344.2	
	b. Gross Generation (MWH)	608,242	
	c. Net Generation (MWH)	580,585	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,204	
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)	2.8	
	b. Net Generation - FAC Basis (Cents/KWH)	3.0	
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station	117.1	

APPENDIX A

**KENTUCKY POWER COMPANY
 BIG SANDY - UNIT 1
 FEBRUARY 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)	230.6	
	c. Net Demonstrated Capability (MW)	278.0	
	d. Net Capability Factor (%)	83.0	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	1,404.2	
	b. Gross Generation (MWH)	160,535	
	c. Net Generation (MWH)	154,971	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,061	
3.	Operating Availability:		
	a. Hours Unit Operated	672.0	
	b. Hours Available	672.0	
	c. Hours During the Period	672.0	
	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
 FEBRUARY 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)	737.9
	c. Net Demonstrated Capability (MW)	800.0
	d. Net Capability Factor (%)	79.2
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	3,940.0
	b. Gross Generation (MWH)	447,707
	c. Net Generation (MWH)	425,614
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,257
3.	Operating Availability:	
	a. Hours Unit Operated	576.8
	b. Hours Available	576.8
	c. Hours During the Period	672.0
	d. Availability Factor (L3b divided by L3c) (%)	85.8
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 FEBRUARY 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)	1,266.7	
	c. Net Demonstrated Capability (MW)	1,560.0	
	d. Net Capability Factor (%)	57.3	
2.	Heat Rate:		
	a. Btu's Consumed (MMBTU)	6,649.5	
	b. Gross Generation (MWH)	647,155	
	c. Net Generation (MWH)	600,780	
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,664	
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)	3.2	
	b. Net Generation - FAC Basis (Cents/KWH)	3.4	
5.	Inventory Analysis:		
	a. Number of Days Supply based on actual burn at the station	82.1	

APPENDIX A

KENTUCKY POWER COMPANY
 MITCHELL - UNIT 1
 FEBRUARY 2014

Line No.	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	528.3
	c. Net Demonstrated Capability (MW)	770.0
	d. Net Capability Factor (%)	20.2
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	1,385.1
	b. Gross Generation (MWH)	115,505
	c. Net Generation (MWH)	104,555
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,540
3.	Operating Availability:	
	a. Hours Unit Operated	197.9
	b. Hours Available	197.9
	c. Hours During the Period	672.0
	d. Availability Factor (L3b divided by L3c) (%)	29.5
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 FEBRUARY 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)	738.4
	c. Net Demonstrated Capability (MW)	790.0
	d. Net Capability Factor (%)	93.5
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	5,264.4
	b. Gross Generation (MWH)	531,650
	c. Net Generation (MWH)	496,225
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,508
3.	Operating Availability:	
	a. Hours Unit Operated	672.0
	b. Hours Available	672.0
	c. Hours During the Period	672.0
	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