

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC EXAMINATION OF THE)	
APPLICATION OF THE FUEL ADJUSTMENT)	
CLAUSE OF KENTUCKY POWER)	CASE NO.
COMPANY FROM NOVEMBER 1, 2016)	2017-00282
THROUGH APRIL 30, 2017)	

COMMISSION STAFF'S POST-HEARING REQUEST FOR INFORMATION
TO KENTUCKY POWER COMPANY

Kentucky Power Company ("Kentucky Power"), pursuant to 807 KAR 5:001, is to file with the Commission the original with six copies in paper medium and an electronic version of the following information. The information requested herein is due within ten days of the date of this request. Responses to requests for information in paper medium shall be appropriately bound, tabbed and indexed. Each response shall include the name of the witness responsible for responding to questions related to the information provided.

Each response shall be answered under oath or, for representatives of a public or private corporation or a partnership or association or a governmental agency, be accompanied by a signed certification of the preparer or the person supervising the preparation of the response on behalf of the entity that the response is true and accurate to the best of that person's knowledge, information, and belief formed after a reasonable inquiry.

Kentucky Power shall make timely amendment to any prior response if it obtains information which indicates that the response was incorrect when made or, though correct when made, is now incorrect in any material respect. For any request to which Kentucky

Power fails or refuses to furnish all or part of the requested information, it shall provide a written explanation of the specific grounds for its failure to completely and precisely respond.

Careful attention shall be given to copied material to ensure that it is legible. When the requested information has been previously provided in this proceeding in the requested format, reference may be made to the specific location of that information in responding to this request. When applicable, the requested information shall be separately provided for total company operations and jurisdictional operations. When filing a paper containing personal information, Kentucky Power shall, in accordance with 807 KAR 5:001, Section 4(10), encrypt or redact the paper so that personal information cannot be read.

1. Provide an update to Kentucky Power's response to the Commission's August 30, 2017 request for information, Item 19, confidential attachment 2, showing explanations for each lowest-cost bid not selected.

2. Explain how Kentucky Power determines what percentage of spot coal versus contract coal it purchases.

3. Refer to the October 12, 2017 filing ("October 12, 2017 filing") made by Kentucky Power which is attached as an Appendix A to this request. State when Kentucky Power first became aware that certain information from its previous backup filings was incorrect.

4. Refer to the revised analysis of coal purchases schedule for December 2016 from the October 12, 2017 filing. Also refer to the analysis of coal purchases

schedule for December 2016 that was filed February 16, 2017, and is attached to this request as Appendix B.

a. The revised schedule shows that for the Consolidated Coal Company and McElroy Coal Company contract, the FOB Mine price per ton was \$53.72. The original filing listed the FOB Mine price per ton for the same contract as \$52.48. Explain which price is correct.

b. Explain why this change was not mentioned in the cover letter to the October 12, 2017 filing.

c. The revised schedule lists the coal for the River Trading contract and Noble contract as originating in both Kentucky and West Virginia, whereas the original schedule lists the coal for the River Trading contract as originating solely from West Virginia, and the coal for the Nobel contract as originating solely from Kentucky. Explain this discrepancy and explain why it is not mentioned in the cover letter to the October 12, 2017 filing.

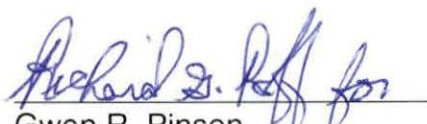
5. Refer to the revised analysis of coal purchases schedule for December 2016 from the October 12, 2017 filing. Footnote A states in part that: "The quarterly true-ups are not associated with one specific vendor, so we have reported it on the contract with the highest transportation costs for the period."

a. Explain whether Kentucky Power utilizes one or multiple shippers to provide transportation of coal.

b. If Kentucky Power utilizes multiple shippers to provide transportation of coal, explain why it is reasonable to assign all transportation true-ups to one contract.

6. In the Direct Testimony of Ranie K. Wohnhas provided on March 2, 2016, in Case No. 2016-00073,¹ an investigation initiated by the Commission to investigate the accuracy of Kentucky Power's backup filings, Kentucky Power claimed it had taken the following corrective actions: implemented changes to its process for reviewing monthly FAC filings to ensure that the information reported is accurate; provided additional training for those employees assigned to prepare and review its monthly FAC back-up filings; caused to be prepared an instructional document clearly describing the process for preparing and reviewing the filings; and directed its Regulation Group to review each of the schedules which constitute the FAC back-up filing and to cross-check that information for accuracy and consistency. Given these procedures, and the length of time they have been in place, explain why the issues giving rise to the October 12, 2017 filing were not detected sooner and reported to the Commission.

7. Explain who is responsible for reviewing Kentucky Power's Fuel Adjustment Clause and backup files to ensure the information reported therein is correct.


Gwen R. Pinson
Executive Director
Public Service Commission
P.O. Box 615
Frankfort, Kentucky 40602

DATED **OCT 20 2017**

cc: Parties of Record

¹ Case No. 2016-00073, *An Investigation of the Accuracy of Kentucky Power Company's Fuel Adjustment Clause Filings* (Ky. PSC Jan. 18, 2017).

APPENDIX A

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE
COMMISSION IN CASE NO. 2017-00282 DATED **OCT 20 2017**



A unit of American Electric Power **HAND DELIVERED**

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

October 12, 2017

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

RECEIVED

OCT 12 2017

PUBLIC SERVICE
COMMISSION

RE: THE STANDARD FUEL ADJUSTMENT CLAUSE BACKUP FILING

Dear Ms. Pinson:

After reviewing its FAC backup filings for the current FAC review period from November 2016-April 2017, Kentucky Power is revising certain of its previous Fuel Adjustment Clause Backup filings. These revisions do not impact the fuel adjustment clause rate or the amount paid by customers.

Revisions were made to the Company's Analysis of Coal Purchases for December 2016 through February 2017 to reflect the actual mode of transportation.

The Company also revised its Unit Performance Data for the Mitchell Plant from January 2017 through March 2017 to reflect the actual number of days of coal on the ground.

Should you have any questions, please call Amy Elliott at (502) 696-7013.

Sincerely,

Ranie K. Wohnhas
Managing Director, Regulatory & Finance

Attachment

**KENTUCKY POWER COMPANY
ANALYSIS OF COAL PURCHASES
December 2016**

Station and Supplier (a)	P D U	P O N	M T	ST	District (f)	Tons Purchased (g)	BTU Per L.B. (h)	No. MMBTU Per Ton (i)	FOB Mine		Trans Cost		Delivered Cost			% SO2 (p)	% Ash (q)	% HO2 (r)
									Price Per Ton (j)	Cents Per MMBTU (k)	Per Ton (l)	Cents Per MMBTU (m)	Per Ton (n)	Cents Per MMBTU (o)				
MITCHELL PLANT																		
Long Term Contracts:																		
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	159,769.73	12,669	25.34	53.72	211.99	0.00	0.00	53.72	211.99	4.00	9.02	6.48
Station Weighted Average							159,769.73	12,669	25.34	53.72	211.99	0.00	0.00	53.72	211.99	4.00	9.02	6.48
Spot Market:																		
Alpha	P	03-00-14-032	A	B	WV	04	11,513.66	12,083	24.17	58.16	240.64	7.19	29.74	65.35	270.38	0.78	12.68	6.74
River Trading	P	03-00-16-008	A	B	WV/KY	04&12/06	3,083.40	11,880	23.76	92.01	387.26	7.43	31.28	99.45	418.54	0.72	11.40	8.02
Alpha (B)	P	03-00-15-001	A	B	WV	04	93.28	0	-	-	-	-	-	-	-	-	-	-
Noble	P	03-00-15-003	A	B	WV/KY	04/06	17,329.91	12,543	25.09	49.48	197.21	7.20	28.69	56.68	225.90	0.77	8.62	9.31
Seminole Coal	P	03-00-16-007	A	B	WV	04	8,155.30	12,272	24.54	55.71	227	7.44	30.32	63.15	257.32	0.79	13.43	5.69
Alpha	P	03-00-15-004	A	B	WV	04	31,412.01	12,037	24.07	57.93	240.58	8.36	34.75	66.29	275.42	0.70	11.81	7.70
Alpha (A)	P	03-00-15-004	B	B	WV	04	74,954.62	12,065	24.13	57.52	238.38	(4.19)	-17.37	53.33	221.01	0.77	12.27	7.11
Station Weighted Average							146,542.18	12,117	24.23	57.30	236.48	1.64	6.77	58.94	243.25	0.75	11.81	7.40
(A) The Alpha contract 03-00-15-004 has a reported transportation cost of (\$4.19), which is significantly lower than their historical transportation cost. This is due to a significantly favorable 3 quarter transportation true-up in the amount of \$992,521.07. The quarterly true-ups are not associated with one specific vendor, so we have reported it on the contract with the highest transportation costs for the period.																		
(B) The Alpha contract 03-00-15-001 has no reported quality, FOB mine costs nor transportation costs reported. This is due to a prior period adjustment on the tons associated with shipments which had no effect on the costs associated.																		
TOTAL STATION WEIGHTED AVERAGE							306,311.91	12,402	24.80	55.43	223.48	0.78	3.15	56.21	226.63	2.41	10.39	6.93

ANALYSIS OF OIL PURCHASES

Supplier	P D U	P O N	M T	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU	% SO2
RW Earhart	D	03-FO-15-001	T	Mitchell	0	0	0.00	0.00	0
MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES									
Kentucky Power Share of Coal Receipts					153,155.96				
Mitchell Total Coal Receipts					306,311.91				
Mitchell - Kentucky Power Coal Receipts Ratio					50.00%				
Consolidation Coal Company and McElroy Coal Company									
Alpha	P	07-77-05-900KPCO	A	C	WV	03	79,894.87	Long Term Contract	
Alpha	P	03-00-14-032	A	B	WV	04	5,756.83	Spot	
River Trading	P	03-00-16-008	A	B	WV/KY	04&12/06	1,541.70	Spot	
Alpha (B)	P	03-00-15-001	A	B	WV	04	46.64	Spot	
Noble	P	03-00-15-003	A	B	WV/KY	04/06	8,664.96	Spot	
Seminole Coal	P	03-00-16-007	A	B	WV	04	4,077.65	Spot	
Alpha	P	03-00-15-004	A	B	WV	04	15,706.01	Spot	
Alpha (A)	P	03-00-15-004	B	B	WV	04	37,477.31	Spot	
Total							153,155.97		
Kentucky Power Share of Oil Receipts					-				
Mitchell Total Oil Receipts					-				
Mitchell - Kentucky Power Oil Receipts Ratio					0.00%				
RW Earhart	D	03-FO-15-001	T						

**KENTUCKY POWER COMPANY
ANALYSIS OF COAL PURCHASES
January 2017**

Station and Supplier (a)	P B D U	P O C N	M T	ST ST	District (f)	Tons Purchased (g)	BTU Per LB. (h)	No. MMBTU Per Ton (i)	FOB Mine		Trans Cost		Delivered Cost			%	%	
	(b)	(c)							(d)	(e)	Price Per Ton (j)	Cents Per MMBTU (k)	Per Ton (l)	Cents Per MMBTU (m)	Per Ton (n)			Cents Per MMBTU (o)
MITCHELL PLANT																		
Long Term Contracts:																		
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	80,830.00	12,596	25.19	55.32	219.63	-	-	55.32	219.63	3.99	9.27	6.78
Station Weighted Average							80,830.00	12,596	25.19	55.32	219.63	0.00	0.00	55.32	219.63	3.99	9.27	6.78
Spot Market:																		
Alpha	P	03-00-16-002	A	B	WV	04	26,055.40	11,919	23.84	48.49	203.40	0.22	0.94	46.71	204.34	0.81	12.15	8.46
Alpha	P	03-00-15-004	A	B	WV	04	17,233.10	12,058	24.12	57.76	239.49	-	-	57.76	239.49	0.72	11.66	7.94
Alpha	P	03-00-15-004	B	B	WV	04	20,538.30	12,265	24.53	57.75	235.43	-	-	57.75	235.43	0.81	11.46	6.58
River Trading	P	03-00-16-008	A	B	WV/KY	04&12/06	13,255.20	11,939	23.88	57.98	242.80	2.49	10.42	60.47	253.21	1.00	11.31	8.58
Ember	P	03-00-16-003	A	B	KY	06	3,401.90	12,024	24.05	48.09	199.97	-	-	48.09	199.97	0.88	9.00	9.05
Coeclerici	P	03-00-16-009	A	B	WV	04	7,393.80	11,788	23.58	59.79	253.57	-	-	59.79	253.57	1.01	11.64	9.43
Southeastern Land	P	03-00-16-006	A	B	WV	12	8,953.70	12,198	24.40	65.24	267.36	-	-	65.24	267.36	0.71	11.40	6.86
Noble	P	03-00-15-003	A	B	WV/KY	04/06	6,738.80	12,530	25.06	60.77	242.50	0.05	0.20	60.82	242.70	0.69	7.96	8.21
Golden Eagle	P	03-00-16-005	A	B	KY	06	6,313.20	12,003	24.01	55.72	232.06	-	-	55.72	232.06	0.87	11.04	7.81
Seminole Coal	P	03-00-16-007	A	B	WV	04	8,295.90	12,261	24.52	57.03	232.58	-	-	57.03	232.58	0.83	11.92	7.49
Station Weighted Average							118,179.30	12,081	24.16	56.17	232.49	0.33	1.37	56.50	233.86	0.82	11.37	7.91
Note - The reported transportation for all contracts is below their historical and contracted transportation rates. This is due a transportation rate discrepancy between Mitchell Power Plant and their barging transportation provider. The rates were resolved (for most contracts) in February 2017 and transportation will be true-up in that month.																		
TOTAL STATION WEIGHTED AVERAGE							179,009.30	12,255	24.51	55.90	228.08	0.23	0.92	56.13	228.99	1.88	10.69	7.43

ANALYSIS OF OIL PURCHASES

Supplier	P B D U	P O C N	M T	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU	%
(a)	(b)	(c)							
RW Earhart	D	03-FO-15-001		Mitchell	390,765	133,850	1.74	1300.40	0.36
MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES									
Kentucky Power Share of Coal Receipts					89,504.65				
Mitchell Total Coal Receipts					179,009.30				
Mitchell - Kentucky Power Coal Receipts Ratio					50.00%				
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	30,415.00		Long Term Contract
Alpha	P	03-00-16-002	A	B	WV	04	13,027.70		Spot
Alpha	P	03-00-15-004	A	B	WV	04	8,616.65		Spot
Alpha	P	03-00-15-004	B	B	WV	04	10,269.15		Spot
River Trading	P	03-00-16-008	A	B	WV/KY	04&12/06	6,627.60		Spot
Ember	P	03-00-16-003	A	B	KY	06	1,700.95		Spot
Coeclerici	P	03-00-16-009	A	B	WV	04	3,696.90		Spot
Southeastern Land	P	03-00-16-006	A	B	WV	12	4,476.85		Spot
Noble	P	03-00-15-003	A	B	WV/KY	04/06	3,369.40		Spot
Golden Eagle	P	03-00-16-005	A	B	KY	06	3,156.60		Spot
Seminole Coal	P	03-00-16-007	A	B	WV	04	4,147.95		Spot
Total					89,504.65				
Kentucky Power Share of Oil Receipts					195,382.50				
Mitchell Total Oil Receipts					390,765.00				
Mitchell - Kentucky Power Oil Receipts Ratio					50.00%				
RW Earhart	D	03-FO-15-001		T		195,382.50			

**KENTUCKY POWER COMPANY
ANALYSIS OF COAL PURCHASES**

February 2017

Station and Supplier (a)	P B D U (b)	P O C N (c)	M T (d)	ST (e)	District (f)	Tons Purchased (g)	BTU Per LB. (h)	No. MMBTU Per Ton (i)	FOB Mine		Trans Cost		Delivered Cost			% SO2 (p)	% Ash (q)	% H2O (r)
									Price Per Ton (j)	Cents Per MMBTU (k)	Per Ton (l)	Cents Per MMBTU (m)	Per Ton (n)	Cents Per MMBTU (o)				
MITCHELL PLANT																		
Long Term Contracts:																		
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	85,820.00	12,658	25.32	52.63	207.85	-	-	52.63	207.85	4.24	9.16	6.43
Station Weighted Average						85,820.00	12,658	25.32	52.63	207.85	0.00	0.00	52.63	207.85	4.24	9.16	6.43	
Spot Market:																		
Alpha (A)	P	03-00-15-004	B	B	WV	04	1,584.20	12,375	24.75	56.45	228.08	-	-	56.45	228.08	0.77	11.34	5.93
Alpha	P	03-00-15-004	A	B	WV	04	4,276.50	11,895	23.99	60.72	253.12	38.02	158.5	98.74	411.62	0.68	11.84	7.94
Alpha (B)	P	03-00-16-002	A	B	WV	04	14,063.60	11,886	23.77	49.98	210.27	(13.12)	(55.19)	36.86	155.08	0.73	12.10	8.66
Alpha	P	03-00-16-002	B	B	WV	04	14,450.30	12,280	24.56	49.43	201.27	9.61	39.15	59.04	240.42	0.92	11.82	6.41
Alpha	P	03-00-16-004	A	B	WV	04	4,672.30	11,807	23.61	51.64	218.71	7.56	32.02	59.20	250.73	0.76	11.99	8.98
Alpha	P	03-00-16-004	B	B	WV	04	9,815.60	12,278	24.56	50.40	205.19	6.68	27.2	57.08	232.39	0.88	11.19	7.10
River Trading	P	03-00-16-008	A	B	KY/WV	06/04&12	4,466.90	11,949	23.90	66.30	277.43	9.79	40.96	76.09	318.39	1.06	10.50	9.95
Ember	P	03-00-16-003	A	B	KY	06	7,186.80	11,979	23.96	51.45	214.73	7.16	29.89	58.61	244.62	0.86	9.65	8.78
Southeastern Land	P	03-00-16-006	A	B	WV	12	14,976.20	12,461	24.92	64.76	259.88	6.32	25.37	71.08	285.25	0.73	10.35	6.43
Noble	P	03-00-15-003	A	B	KY/WV	06/04	12,293.70	12,397	24.79	51.95	209.56	7.69	31.03	59.64	240.59	0.72	8.97	8.81
Golden Eagle	P	03-00-16-005	A	B	KY	06	3,149.80	11,841	23.68	55.77	235.52	14.60	61.66	70.37	297.18	1.00	10.87	8.12
Seminole Coal (A)	P	03-00-16-007	A	B	WV	04	6,407.20	12,282	24.56	56.05	228.22	-	0	56.05	228.22	0.89	12.45	6.28
Station Weighted Average						97,353.10	12,180	24.36	54.57	224.01	5.63	23.11	60.20	247.13	0.82	11.00	7.68	

(A) Alpha contract 03-00-15-004 and Seminole Coal contract 03-00-16-007 have reported transportation costs of \$0.00 per ton. This is due to a discrepancy in rates between Mitchell Power Plant and the barging transportation provider. The discrepancies will be resolved in future periods and transportation charges will be true-up.

(B) Alpha contract 03-00-16-002 has reported transportation costs of (\$13.12) per ton. This is due to a significant favorable transportation true-up in the amount of \$477,679.58. These transportation true-ups are not associated to one specific contract, therefore we have associated it to Alpha contract 03-00-16-002 for reporting purposes.

(C) The remainder of the contracts are showing transportation rates significantly higher than their historical and contracted transportation rates. This is due to a true-up of January 2017 transportation charges being charges and recorded in February 2017.

TOTAL STATION WEIGHTED AVERAGE						183,173.10	12,417	24.83	53.65	216.04	3.19	12.85	58.84	226.87	2.47	10.08	7.09
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ANALYSIS OF OIL PURCHASES

Supplier	P B D U	P O C N	M T	Station Name	Gal or Cu. Ft. Purchased	BTU per Unit	Delivered Cost Per Gal	Cents Per MMBTU	% SO2
RW Earhart	D	03-FO-15-001	T	Mitchell	0	0	0.00	0.00	0

MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES

Kentucky Power Share of Coal Receipts						91,586.55			
Mitchell Total Coal Receipts						183,173.10			
Mitchell - Kentucky Power Coal Receipts Ratio						50.00%			
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	42,910.00	Long Term Contract	
Alpha (A)	P	03-00-15-004	B	B	WV	04	797.10	Spot	
Alpha	P	03-00-15-004	A	B	WV	04	2,138.25	Spot	
Alpha (B)	P	03-00-16-002	A	B	WV	04	7,031.80	Spot	
Alpha	P	03-00-16-002	B	B	WV	04	7,225.15	Spot	
Alpha	P	03-00-16-004	A	B	WV	04	2,336.15	Spot	
Alpha	P	03-00-16-004	B	B	WV	04	4,907.80	Spot	
River Trading	P	03-00-16-008	A	B	KY/WV	06/04&12	2,233.45	Spot	
Ember	P	03-00-16-003	A	B	KY	06	3,593.40	Spot	
Southeastern Land	P	03-00-16-006	A	B	WV	12	7,488.10	Spot	
Noble	P	03-00-15-003	A	B	KY/WV	06/04	5,146.85	Spot	
Golden Eagle	P	03-00-16-005	A	B	KY	06	1,574.00	Spot	
Seminole Coal (A)	P	03-00-16-007	A	B	WV	04	3,203.60	Spot	
Total						91,586.55			
Kentucky Power Share of Oil Receipts						-			
Mitchell Total Oil Receipts						-			
Mitchell - Kentucky Power Oil Receipts Ratio						0.00%			
RW Earhart	D	03-FO-15-001	T			-			

APPENDIX A

KENTUCKY POWER COMPANY MITCHELL - TOTAL PLANT January 2017

<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)	1,295.3
	c. Net Demonstrated Capability (MW)	1,560.0
	d. Net Capability Factor (%)	38.8
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,474.1
	b. Gross Generation (MWH)	483,862
	c. Net Generation (MWH)	450,249
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,937
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)	2.1
	b. Net Generation - FAC Basis (Cents/KWH)	2.3
5.	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	68.7

APPENDIX A

KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
January 2017

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	663.7
	c. Net Demonstrated Capability (MW)	770.0
	d. Net Capability Factor (%)	7.5
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	450.2
	b. Gross Generation (MWH)	46,797
	c. Net Generation (MWH)	42,864
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,504
3.	Operating Availability:	
	a. Hours Unit Operated	64.6
	b. Hours Available	64.6
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	8.7
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

January 2017

<u>Line No.</u>	<u>Item Description</u>	
1.	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	631.6
	c. Net Demonstrated Capability (MW)	790.0
	d. Net Capability Factor (%)	69.3
2.	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,023.9
	b. Gross Generation (MWH)	437,066
	c. Net Generation (MWH)	407,386
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,877
3.	Operating Availability:	
	a. Hours Unit Operated	645.0
	b. Hours Available	645.0
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	86.7
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 2017

<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)	553.4
	c. Net Demonstrated Capability (MW)	1,560.0
	d. Net Capability Factor (%)	35.5
2	Heat Rate:	
	a. Btu's Consumed (MMBTU)	3,707.2
	b. Gross Generation (MWH)	399,273
	c. Net Generation (MWH)	371,916
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,260
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)	2.2
	b. Net Generation - FAC Basis (Cents/KWH)	2.3
5	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	77.7

APPENDIX A

KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
February 2017

<u>Line No.</u>	<u>Item Description</u>		
1	Unit Performance:		
	a. Capacity (name plate rating) (MW)		816.3
	b. Capacity (average load) (MW)		0.0
	c. Net Demonstrated Capability (MW)		770.0
	d. Net Capability Factor (%)		0.0
2	Heat Rate:		
	a. Btu's Consumed (MMBTU)		25.0
	b. Gross Generation (MWH)		0
	c. Net Generation (MWH)		0
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)		0
3	Operating Availability:		
	a. Hours Unit Operated		0.0
	b. Hours Available		0.0
	c. Hours During the Period		672.0
	d. Availability Factor (L3b divided by L3c) (%)		0.0
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 - UNIT 2

February 2017

<u>Line No.</u>	<u>Item Description</u>	
1	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	553.4
	c. Net Demonstrated Capability (MW)	790.0
	d. Net Capability Factor (%)	70.1
2	Heat Rate:	
	a. Btu's Consumed (MMBTU)	3,682.2
	b. Gross Generation (MWH)	399,274
	c. Net Generation (MWH)	371,917
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	10,125
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
MITCHELL - TOTAL PLANT
March 2017

<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)	656.4
	c. Net Demonstrated Capability (MW)	1,560.0
	d. Net Capability Factor (%)	42.1
2	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,782.3
	b. Gross Generation (MWH)	522,197
	c. Net Generation (MWH)	487,702
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,800
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)	2.1
	b. Net Generation - FAC Basis (Cents/KWH)	2.3
5	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	78.6

APPENDIX A

**KENTUCKY POWER COMPANY
MITCHELL - UNIT 1
March 2017**

<u>Line No.</u>	<u>Item Description</u>	
1	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	0.0
	c. Net Demonstrated Capability (MW)	770.0
	d. Net Capability Factor (%)	0.0
2	Heat Rate:	
	a. Btu's Consumed (MMBTU)	0.0
	b. Gross Generation (MWH)	0
	c. Net Generation (MWH)	0
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	0
3	Operating Availability:	
	a. Hours Unit Operated	0.0
	b. Hours Available	0.0
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	0.0
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 - UNIT 2
March 2017**

<u>Line No.</u>	<u>Item Description</u>	
1	Unit Performance:	
	a. Capacity (name plate rating) (MW)	816.3
	b. Capacity (average load) (MW)	656.4
	c. Net Demonstrated Capability (MW)	790.0
	d. Net Capability Factor (%)	83.1
2	Heat Rate:	
	a. Btu's Consumed (MMBTU)	4,782.3
	b. Gross Generation (MWH)	522,197
	c. Net Generation (MWH)	487,702
	d. Heat Rate (L2a divided by L2c) (BTU/KWH)	9,800
3	Operating Availability:	
	a. Hours Unit Operated	743.0
	b. Hours Available	743.0
	c. Hours During the Period	744.0
	d. Availability Factor (L3b divided by L3c) (%)	99.9
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 B

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE
COMMISSION IN CASE NO. 2017-00282 DATED **OCT 20 2017**

KENTUCKY POWER COMPANY																		
ANALYSIS OF COAL PURCHASES																		
December 2016																		
	P	P																
	B	O						No.	FOB Mine		Trans Cost		Delivered Cost					
	D	C	M			Tons	BTU	MMBTU	Price	Cents Per	Per	Cents Per	Per	Cents Per	%		%	
Station and Supplier	U	N	T	ST	District	Purchased	Per LB.	Per Ton	Per Ton	MMBTU	Ton	MMBTU	Ton	MMBTU	SO2	Ash	HO2	
(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	(q)	(r)	
MITCHELL PLANT																		
Long Term Contracts:																		
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	159,769.73	12,669	25.34	52.48	207.11	1.24	4.88	53.72	211.99	4.00	9.02	6.48
Station Weighted Average							159,769.73	12,669	25.34	52.48	207.10	1.24	4.89	53.72	212.00	4.00	9.02	6.48
Spot Market:																		
Alpha	P	03-00-14-032	A	B	WV	04	11,513.66	12,083	24.17	58.16	240.64	7.19	29.74	65.35	270.38	0.75	12.68	6.74
River Trading	P	03-00-16-008	A	B	WV	12	3,083.40	11,880	23.76	92.01	387.26	7.43	31.28	99.45	416.54	0.72	11.40	8.02
Alpha	P	03-00-15-001	A	B	WV	04	93.28	0	-	-	-	-	-	-	-	-	-	-
Noble	P	03-00-15-003	A	B	KY	06	17,329.91	12,543	25.09	49.48	197.21	7.20	28.89	58.68	225.90	0.77	8.62	9.31
Seminole Coal	P	03-00-16-007	A	T	WV	04	8,155.30	12,272	24.54	55.71	227	7.44	30.32	63.15	257.32	0.79	13.43	5.69
Alpha	P	03-00-15-004	A	B	WV	04	31,412.01	12,037	24.07	57.93	240.68	8.36	34.75	66.29	275.42	0.70	11.81	7.7
Alpha	P	03-00-15-004	B	B	WV	04	74,954.62	12,065	24.13	57.52	238.38	(4.19)	-17.37	53.33	221.01	0.77	12.27	7.11
Station Weighted Average							146,542.18	12,117	24.23	57.30	236.48	1.54	6.77	58.94	243.25	0.75	11.81	7.40
TOTAL STATION WEIGHTED AVERAGE							306,311.91	12,402	24.80	54.78	220.88	1.43	5.76	56.21	226.63	2.41	10.39	6.93
ANALYSIS OF OIL PURCHASES																		
	B	O																
	D	C	M			Station		Gal or		BTU per	Delivered	Cents Per	%					
Supplier	U	N	T			Name		Cu. Ft.	Purchased	Unit	Cost Per Gal	MMBTU	SO2					
RW Earhart	D	03-FO-15-001	T			Mitchell			0	0	0.00	0.00	0.36				(f)	
MITCHELL PLANT - KENTUCKY POWER SHARE OF PURCHASES																		
Kentucky Power Share of Coal Receipts							153,155.96											
Mitchell Total Coal Receipts							306,311.91											
Mitchell - Kentucky Power Coal Receipts Ratio							50.00%											
Consolidation Coal Company and McElroy Coal Company	P	07-77-05-900KPCO	A	C	WV	03	79,884.87											
	0	0	0	0	0	0	-											
Alpha	P	03-00-14-032	A	B	WV	04	5,756.83											
River Trading	P	03-00-16-008	A	B	WV	12	1,541.70											
Total							153,155.96											
Kentucky Power Share of Oil Receipts							-											
Mitchell Total Oil Receipts							-											
Mitchell - Kentucky Power Oil Receipts Ratio							0.00%											
RW Earhart	D	03-FO-15-001	T				-											

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