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April 15, 2013

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

*Also Licensed in Indiana

Re: *In the Matter of: An Examination of the Application of
the Fuel Adjustment Clause of Big Rivers Electric
Corporation from November 1, 2010 through October 31,
2012, PSC Case No. 2012-00555*

Dear Mr. Derouen:

Enclosed for filing are an original and ten copies of Big Rivers Electric Corporation's response to information requested at the April 9, 2013, hearing in the above referenced matter.

Sincerely,



Tyson Kamuf

TAK/ej
Enclosures

cc: Billie Richert

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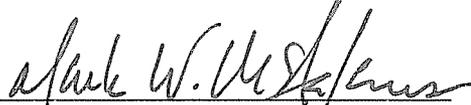
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BIG RIVERS ELECTRIC CORPORATION
AN EXAMINATION OF THE APPLICATION
OF THE FUEL ADJUSTMENT CLAUSE
OF BIG RIVERS ELECTRIC CORPORATION
FROM NOVEMBER 1, 2010 THROUGH OCTOBER 31, 2012
CASE NO. 2012-00555

VERIFICATION

I, Mark W. McAdams, verify, state, and affirm that I prepared or supervised the preparation of my response to the data request filed with this Verification, and that response is true and accurate to the best of my knowledge, information, and belief formed after a reasonable inquiry.



Mark W. McAdams

COMMONWEALTH OF KENTUCKY)
COUNTY OF HENDERSON)

SUBSCRIBED AND SWORN TO before me by Mark W. McAdams on
this the 12th day of April, 2013.



Notary Public, Ky. State at Large
My Commission Expires 8-9-2014

ORIGINAL



Your Touchstone Energy® Cooperative 

COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION OF KENTUCKY

In the Matter of:

AN EXAMINATION OF THE APPLICATION)	
OF THE FUEL ADJUSTMENT CLAUSE)	
OF Big Rivers ELECTRIC CORPORATION)	Case No.
FROM)	2012-00555
NOVEMBER 1, 2010 THROUGH OCTOBER 31, 2012)	

**Response to Commission Staff's
Request for Information from the Public Hearing of April 9, 2013**

FILED: April 16, 2013

ORIGINAL

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF Big Rivers ELECTRIC CORPORATION
FROM NOVEMBER 1, 2010 THROUGH OCTOBER 31, 2012
CASE NO. 2012-00555**

**Response to Commission Staff's
Request for Information from the Public Hearing
of April 9, 2013**

April 16, 2013

1 **Item 1)** *Refer to Big Rivers' response to Item 21 of the Commission*
2 *Staff's Request for Information dated February 13, 2013. Explain the*
3 *calculation of the values provided in the columns labeled 'Number of*
4 *Days' Supply' and 'Duration (In Days)' in the table provided at line 1, page*
5 *2 of 3 of Big Rivers' response.*

6

7 **Response)** Sample calculations for Number of Days' Supply and Duration (in
8 days) are attached. The calculation of Duration (in days) for a particular
9 generating unit is the number of in-service hours during the review period for that
10 unit divided by 24 hours. The Number of Days' Supply is determined by dividing
11 the end of month inventory for a particular unit by the number of tons of coal
12 burned for generation, and then multiplying the result by the Duration (in days)

13 For example: Coleman Station had 145,536.40 tons of inventory
14 based upon the month's ending inventory, October 31, 2012. During the preceding
15 six months, the Coleman units (three units) utilized 728,108.45 tons of coal for its
16 generation. The generation hours (in-service hours) at the Coleman Station were
17 12,441.60 hours. There are three units at the Coleman Station; thus, Duration (in
18 days) for the Coleman Station = 12,441.60 hours / 72 hours = 172.80 or 173 days.
19 In calculating the Number of days Supply, Big Rivers calculates: (145,536.40
20 E.O.M. inventory / 728,108.45 tons fuel utilized for generation) x 173 days
21 duration (in-service) = 34.58 or 35 Day's Supply.

22

BIG RIVERS ELECTRIC CORPORATION

**AN EXAMINATION OF THE APPLICATION OF THE FUEL
ADJUSTMENT CLAUSE OF Big Rivers ELECTRIC CORPORATION
FROM NOVEMBER 1, 2010 THROUGH OCTOBER 31, 2012
CASE NO. 2012-00555**

**Response to Commission Staff's
Request for Information from the Public Hearing
of April 9, 2013**

April 16, 2013

1

2 **Witness)** Mark W. McAdams

3

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b. Days Burns = $\{ \{ \text{Current Inventory (In Tons)} / \text{preceding 6 Months Burn (In Tons)} \} \times \text{Actual Duration (In-service Days)} \}$

Example Coleman Station:

Coleman Tons of Coal		Preceding 6 months of Burn (In Tons)		Duration in Days of Generation by Station		Number of Number of Day's Supply
145,536.40	<i>divided by</i>	728,108.45	<i>times</i>	173	<i>equals</i>	35

- 1.) Coleman Station End-of-Month inventory, October 31, 2012, was 145,536.40 tons;
- 2.) The preceding six months of coal burn equated to 728,108.45 tons;
- 3.) The duration (operation) in days is:
 - 3a.) The maximum in-service operating hours is 13,248 hours during the review period.
 - 3a1.) 184 days in review period \times 24 potential in-service hours = 4,416 hours;
 - 3a2.) 3 units at Coleman equate to 4,416 maximum hours \times 3 = 13,248 max. hours for station;
 - 3a3.) Coleman was actually in-service for 12,441.6 hours (3 units);
 - 3a4.) Coleman actual hours 12,441.6 / 72 hours (24 hours per day \times 3 units) = 173 days in-service generation
- 4.) The duration (in-service) in days of generation for Coleman equal 173 days;
- 5.) Thus: $\{ \{ \text{Current Inventory in tons } 145,536.40 / \text{preceding 6 mo. burn in tons } 728,108.45 \} \times (\text{Duration or in-service days } 173) \}$
- 6.) Yielding: 34.58 or 35 days of inventory supply

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	Inventory Level (In tons)	Number of Days' Supply	Duration (In days)	Preceding 6 Months Burn (In Tons)
Big Rivers Electric Corp.	606,187.88	37	153	2,493,684.81
Reid Station	9,503.50	16	24	14,299.81
Station II	118,499.46	59	165	332,352.25
Green Station	141,670.60	36	165	711,276.05
Coleman Station	145,536.40	35	173	728,108.45
Wilson Station	190,977.92	51	177	707,648.25

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Attachment for Response to Hearing Item 1

Witness: Mark W. McAdams

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<u>BREC System</u>	629,960	Total taking into consideration blend		<u>Duration (# of Days)</u>	
<u>Inventory Ending October 31, 2012</u>	<u>COAL</u>	<u>PETCOKE</u>	<u>TOTAL</u>	Period Hours	
October-12	555,012.97	51,174.91	606,187.88		
				153	33,084.5
<u>BURN</u>					In Service
May	367,677.85	56,084.00			3,843.2
June	359,849.78	55,408.00			Reserve
July	396,903.35	57,376.00			1,584.6
August	357,077.98	54,626.00			1,064.8
September	358,495.92	44,353.90			Scheduled(M.O.)
October	344,150.03	41,682.00			166.9
					Planned Outage
					39,744.00
	2,184,154.91	309,529.90	2,493,684.81		
Number of Days' Supply			37		

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<u>Reid</u>				<u>Period Hours</u>		
<u>Inventory Ending October 31, 2012</u>	<u>COAL</u>	<u>PETCOKE</u>	<u>TOTAL</u>	<u>24</u>	<u>571.3</u>	In Service 4416
October-12	9,503.50	N/A	9,503.50		3,613.0	Reserve
					128.9	Unscheduled
					102.8	Scheduled(M.O.)
					0.0	Planned Outage
					4,416.0	
<u>BURN</u>						
May	0.00	N/A				
June	20.61	N/A				
July	12,135.58	N/A				
August	2,143.62	N/A				
September	0.00	N/A				
October	0.00	N/A				
	14,299.81	0.00	14,299.81			
Number of Days' Supply			16			

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Station II

<u>Inventory Ending October 31, 2012</u>	<u>COAL</u>	<u>PETCOKE</u>	<u>TOTAL</u>			
October-12	118,499.46	N/A	118,499.46	165	7,910.4	In Service 8832
					12.5	Reserve
					533.8	Unscheduled
					208.4	Scheduled(M.O.)
					166.9	Planned Outage H1-12-07
					8,832.0	
<u>BURN</u>						
May	45,082.59	N/A				
June	57,498.98	N/A				
July	59,556.05	N/A				
August	52,844.41	N/A				
September	59,486.32	N/A				
October	57,883.90	N/A				
	332,352.25	0.00	332,352.25			
Number of Days' Supply					59	

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Green

<u>Inventory Ending October 31, 2012</u>	<u>COAL</u>	<u>PETCOKE</u>	<u>TOTAL</u>	<u>165</u>	<u>7,914.9</u>	<u>In Service</u>	<u>8832</u>
October-12	115,621.51	(a) 26,049.09	141,670.60		166.8	Reserve	
	154,162.01	(a) divided by .75 for Pet Coke Blend to get Days in Inventory			216.6	Unscheduled	
					533.7	Scheduled(M.O.) Planned Outage	
<u>BURN</u>					8,832.0		
May	95,252.70	32,717.00					
June	91,497.70	33,877.00					
July	102,744.10	34,726.00					
August	93,589.71	30,691.00					
September	83,741.46	26,677.90					
October	65,640.48	20,121.00					
	532,466.15	178,809.90	711,276.05				
Number of Days' Supply							36

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Coleman

<u>Inventory Ending October 31, 2012</u>	<u>COAL</u>	<u>PETCOKE</u>	<u>TOTAL</u>	173	12,441.6	In Service	13248
October-12	145,536.40	N/A	145,536.40		50.9	Reserve	
					535.6	Unscheduled	
					219.9	Scheduled(M.O.)	
					0.0	Planned Outage	
<u>BURN</u>					13,248.0		
May	129,036.40	N/A					
June	118,100.00	N/A					
July	131,915.10	N/A					
August	108,793.75	N/A					
September	113,679.85	N/A					
October	126,583.35	N/A					
	728,108.45	0.00	728,108.45				
Number of Days' Supply							35

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Wilson

<u>Inventory Ending October 31, 2012</u>	<u>COAL</u>	<u>PETCOKE</u>	<u>TOTAL</u>	<u>177</u>	<u>4,246.3</u>	<u>In Service</u>	<u>4416</u>
October-12	165,852.10	(b) 25,125.82	190,977.92		0.0	Reserve	
		(b) divided by .82 for Pet Coke Blend to get			169.7	Unscheduled	
	202,258.66	Days in Inventory			0.0	Scheduled(M.O.)	
					0.0	Planned Outage	
<u>BURN</u>					4,416.0		
May	98,306.16	23,367.00					
June	92,732.49	21,531.00					
July	90,552.52	22,650.00					
August	99,706.49	23,935.00					
September	101,588.29	17,676.00					
October	94,042.30	21,561.00					
	576,928.25	130,720.00	707,648.25				
Number of Days' Supply				51			

Duration is a calculation of total hours, to create days of operation, in service for the unit(s) for the preceding six months.

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**10/31/2012
Ending Inventory**

Station	Product	October-12	Total
Reid	Coal	9,503.50	9,503.50
Station Two	Coal	118,499.46	118,499.46
Green	Coal	115,621.51	115,621.51
Green	Pet Coke	26,049.09	26,049.09
Coleman	Coal	145,536.40	145,536.40
Wilson	Coal	165,852.10	165,852.10
Wilson	Pet Coke	25,125.82	25,125.82
			606,187.88