

INTRA-AGENCY MEMORANDUM
KENTUCKY PUBLIC SERVICE COMMISSION

TO: Case File

FROM: Todd Osterloh, Staff Attorney ^{MT^o}

DATE: March 23, 2010

RE: Case No. 2009-00510
Hearing Exhibits

On March 23, 2010, the Commission held a hearing in the above referenced case. At the hearing, Big Rivers Electric Corporation moved for admission of hearing exhibits 1, 2, and 3, which are appended to this memorandum. Hearing no objection, the Commission admitted the exhibits.

BIG RIVERS ELECTRIC CORPORATION'S
 RESPONSE TO THE COMMISSION STAFF'S JANUARY 27, 2010
 DATA REQUEST OF AN EXAMINATION OF THE APPLICATION
 OF THE FUEL ADJUSTMENT CLAUSE FROM
 JULY 17, 2009 THROUGH OCTOBER 31, 2009
 CASE NO. 2009-00510
 February 17, 2010

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 2 **Item 1)** *For the period from July 17, 2009 through October 31, 2009, list each*
 3 *vendor from whom coal was purchased and the quantities and the nature of each*
 4 *purchase (e.g., spot or contract).*

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 6 **Response)** Please see schedule below:
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Purchase Vendor	Fuel Type	Purchase Tonnage	Contract Type
Marathon Ashland Petroleum	Pet Coke	122,594.90	Contract
Oxbow/SSM Pet Coke	Pet Coke	86,904.27	Contract
Phoenix/R&L Winn	Coal	96,152.55	Contract
Alliance Coal	Coal	320,102.57	Contract
Phoenix/Charolais	Coal	122,182.91	Contract
Patriot Coal Sales	Coal	194,764.20	Contract
Patriot Coal Sales	Coal	48,368.30	Spot
Coal Sales	Coal	164,069.97	Contract
PBP Energy	Coal	34,618.59	Contract
Coal Network	Coal	105,894.50	Contract
Koch Carbon	Pet Coke	147,627.98	Spot
Oxford Mining	Coal	73,744.85	Contract
TCP Pet Coke Corporation	Pet Coke	6,422.53	Spot
Total		1,523,448.12	

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 29 **Witness)** David J. Ashby
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Item 4) *For each generating station or unit for which a separate coal pile is maintained, state for the period from July 17, 2009 through October 31, 2009 the actual amount of coal burned in tons, the actual amount of coal deliveries in tons, the total kWh generated, and the actual capacity factor at which the plant operated.*

Response) Please see the attached schedule. The North American Electric Reliability Generation Availability Data System defines Capacity Factor as the value equal to the Net MWh produced divided by the product of the hours in the period times the unit rating. This is the definition used for purposes of this response.

Witness) David J. Ashby

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Item 4 - Attachment

	Coal & Pet			Capacity Factor
	Coke Burn (Tons)	Coke Receipts (Tons)	Net kWh	(Net MWh)/ (period)
Plant				hrs X MW rating
1 Reid Station (Coal)	282.20	3,087.24	(4,460,000)	0.31%
2 Station Two (Coal) *	235,120.07	247,127.07	686,330,000	85.66%
3 Green Station (Coal)	372,061.59	358,433.41	1,010,851,000	86.70%
4 Green Station (Pet Coke)	102,589.00	188,324.01		
5 Coleman Station (Coal)	375,945.98	368,331.69	774,576,000	67.78%
6 Wilson Station (Coal)	273,799.71	182,919.03	687,869,399	64.24%
7 Wilson Station (Pet Coke)	64,283.10	175,225.67		

* Net of City of Henderson for Tons

1 Big Rivers Electric Corporation
 2 Support for Revision to Answer to Question 1 and Question 4 difference.

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Coal and Pet Coke Receipts (Tons)				
	Original	Revised	Difference	Reason
6 Reid Station(Coal)	3,087.24	3,087.24	0.00	N/A
7 Station Two(Coal)	247,127.07	247,127.07	0.00	N/A
8 Green Station(Coal)	346,914.31	358,433.41	11,519.10	Intransit Manual Adjustment left off this plant
9 Green Station(Pet Coke)	188,324.01	188,324.01	0.00	41 ton error made on Marathon Ashland Answer 1 s/b 122,594.9
10 Coleman Station(Coal)	331,054.31	368,331.69	37,277.38	Intransit Manual Adjustment left off this plant
11 Wilson Station(Coal)	179,649.03	182,919.03	3,270.00	Intransit Manual Adjustment left off this plant
Wilson Station(Pet Coke)	175,225.67	175,225.67	0.00	7,540.02 Manual adjustment included in this plant but not included in Answer 1.
	<u>1,471,381.64</u>	<u>1,523,448.12</u>	<u>52,066.48</u>	Answer 4 Revised Total

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16 Question 1 Revised Answer		1,515,867.10		Original Tons reported
		41.00		41 tons left off Marathon Ashland - Answer 1 s/b 122,594.9 tons
		<u>7,540.02</u>		7,540.02 tons left off Oxbow/SSM Pet coke - Answer 1 should be
		<u>1,523,448.12</u>		Answer 1 Revised Total

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Total kWh(net)				
	Original	Revised	Difference	Reason
23 Reid Station(Coal)	(4,198,280)	(4,460,000)	(261,720)	Reid Combustion Turbine kWh included in error
Station Two(Coal)	474,862,800	686,330,000	211,467,200	Original submission was adjusted net generation net of HMP&L Performance Engineer included HMP&L for Capacity Factor
25 Green Station(Coal)	995,978,501	1,010,851,000	14,872,499	Original submission was adjusted net generation
26 Coleman Station(Coal)	773,576,000	774,576,000	1,000,000	Original submission had typographical error in September
27 Wilson Station(Coal)	687,869,399	687,869,399	0	ok
	<u>2,928,088,420</u>	<u>3,155,166,399</u>	<u>227,077,979</u>	Answer 4 Revision

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Net Capacity Factor				
	Original	Revised	Difference	Reason
33 Reid Station(Coal)	79.50%	0.31%	-79.19%	Reid only had activity in October 2009 during the review period
34 Station Two(Coal)	85.80%	85.66%	-0.14%	Gross Capacity Factor shown instead of Net capacity factor
35 Green Station(Coal)	86.90%	86.70%	-0.20%	Gross Capacity Factor shown instead of Net capacity factor
36 Coleman Station(Coal)	68.09%	67.80%	-0.29%	Performance Engineer had error in original submission
37 Wilson Station(Coal)	64.20%	64.24%	0.04%	Performance Engineer did not carry out two decimal places.
				Answer 4 Revision on Net Capacity Factor