

# Goss • Samford PLLC



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August 29, 2013

RECEIVED

AUG 29 2013

PUBLIC SERVICE  
COMMISSION

***Via Hand-Delivery***

Mr. Jeffrey Derouen  
Executive Director  
Kentucky Public Service Commission  
P.O. Box 615  
211 Sower Boulevard  
Frankfort, KY 40602

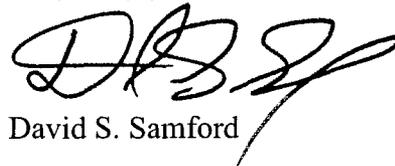
Re: In the Matter of: An Examination of the Application of the Fuel  
Adjustment Clause of East Kentucky Power Cooperative, Inc.  
from November 1, 2012 through April 30, 2013  
PSC Case No. 2013-00262

Dear Mr. Derouen:

Enclosed please find for filing with the Commission in the above-referenced case an original and ten (10) copies of East Kentucky Power Cooperative, Inc.'s Motion for Confidential Treatment and Responses to Data Requests regarding the above-styled matter. Please return a file-stamped copy to me.

Do not hesitate to contact me if you have any questions.

Very truly yours,



David S. Samford

Enclosures

M:\Clients\4000 - East Kentucky Power\1700 - FAC Cases\  
Correspondence\Ltr. to Jeff Derouen - 130827.docx

**COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION**

**In the Matter of:**

**AN EXAMINATION OF THE APPLICATION OF )  
THE FUEL ADJUSTMENT CLAUSE OF EAST )  
KENTUCKY POWER COOPERATIVE, INC. )  
INC. FROM NOVEMBER 1, 2012 THROUGH APRIL )  
30, 2013 )**

**CASE NO.  
2013-00262**

**RESPONSES TO COMMISSION STAFF'S INFORMATION REQUEST  
TO EAST KENTUCKY POWER COOPERATIVE, INC.  
DATED AUGUST 8, 2013**

**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262**

**PUBLIC SERVICE COMMISSION REQUEST DATED 08/08/13**

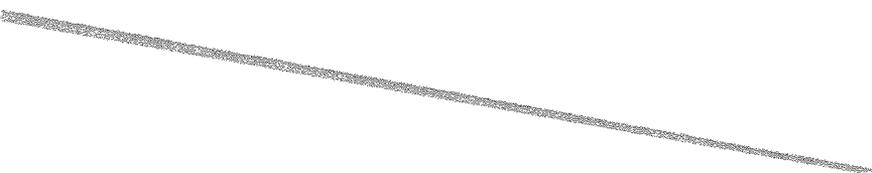
East Kentucky Power Cooperative, Inc. ("EKPC") hereby submits responses to the information requests contained in the Appendix to the Order of the Public Service Commission ("PSC") in this case dated August 8, 2013. Each response with its associated supportive reference materials is individually tabbed.











**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 1**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 1.** For the period from November 1, 2012 through April 30, 2013, list each vendor from whom coal was purchased and the quantities and nature of each purchase (e.g., spot or contract). For the period under review in total, provide the percentage of purchases that were spot versus contract. For contract purchases, state whether the contract has been filed with the Commission. If no, explain why it has not been filed.

**Response 1.** Please see pages 2 through 7 of this response. All contract purchases have been filed with the Commission.

<u>Supplier</u>	<u>Spot/Contract</u>	<u>Order Number</u>	<u>Quantity (Tons)</u>
<b><u>Dale</u></b>			
<b><u>November 2012</u></b>			
PERRY COUNTY COAL CORPORATION	L T Contract	0000000126	15,846.03
			<b>November 2012</b>
			<b>15,846.03</b>
<b><u>December 2012</u></b>			
PERRY COUNTY COAL CORPORATION	L T Contract	0000000126	12,085.72
			<b>December 2012</b>
			<b>12,085.72</b>
<b><u>April 2013</u></b>			
PERRY COUNTY COAL CORPORATION	L T Contract	0000000126	9,105.98
			<b>April 2013</b>
			<b>9,105.98</b>
<b><u>Cooper</u></b>			
<b><u>November 2012</u></b>			
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	10,646.57
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	2,081.31
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	2,029.19
JAMIESON CONSTRUCTION CO	Spot Market	0000251437	2,622.63
RIO COAL LLC	Spot Market	0000251440	540.10
ARCH ENERGY RESOURCES LLC	Spot Market	0000251442	2,550.68
ARCH ENERGY RESOURCES LLC	Spot Market	0000251443	4,107.81
			<b>November 2012</b>
			<b>24,578.29</b>
<b><u>December 2012</u></b>			
B & W RESOURCES INC	L T Contract	0000000236	10,133.06
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	14,222.42
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	11,978.84
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	1,507.00
			<b>December 2012</b>
			<b>37,841.32</b>
<b><u>January 2013</u></b>			
B & W RESOURCES INC	L T Contract	0000000236	18,195.94
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	18,125.80
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	19,985.07
MOUNTAINSIDE COAL CO INC	Spot Market	0000251444	2,513.37
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	5,493.09
			<b>January 2013</b>
			<b>64,313.27</b>

<u>Supplier</u>	<u>Spot/Contract</u>	<u>Order Number</u>	<u>Quantity (Tons)</u>
<b><u>February 2013</u></b>			
B & W RESOURCES INC	L T Contract	000000236	18,129.63
JAMIESON CONSTRUCTION CO	L T Contract	000000240	6,199.77
PERRY COUNTY COAL CORPORATION	L T Contract	000000242	19,870.76
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	12,596.29
		<b>February 2013</b>	<b>56,796.45</b>
<b><u>March 2013</u></b>			
B & W RESOURCES INC	L T Contract	000000236	16,097.21
JAMIESON CONSTRUCTION CO	L T Contract	000000240	6,314.01
PERRY COUNTY COAL CORPORATION	L T Contract	000000242	20,059.67
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	10,129.31
		<b>March 2013</b>	<b>52,600.20</b>
<b><u>April 2013</u></b>			
B & W RESOURCES INC	L T Contract	000000236	20,184.42
JAMIESON CONSTRUCTION CO	L T Contract	000000240	3,289.99
PERRY COUNTY COAL CORPORATION	L T Contract	000000242	14,266.77
MOUNTAINSIDE COAL CO INC	Spot Market	0000251445	4,813.97
		<b>April 2013</b>	<b>42,555.15</b>

**Spurlock Scrubber Coal**

<b><u>November 2012</u></b>			
OXFORD MINING COMPANY	L T Contract	000000504	13,527.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	6,411.00
WHITE COUNTY COAL LLC	L T Contract	000000508	28,606.00
CONSOL COAL COMPANY	L T Contract	000000510	31,901.00
PEABODY COALS SALES LLC	L T Contract	000000514	38,440.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	20,597.00
PATRIOT COAL SALES LLC	L T Contract	000000522	1,564.00
OXFORD MINING COMPANY	Spot Market	0000551419	15,619.00
ALLIANCE COAL LLC	Spot Market	0000551420	12,720.00
OXFORD MINING COMPANY	Spot Market	0000551433	14,106.00
		<b>November 2012</b>	<b>183,491.00</b>

<u>Supplier</u>	<u>Spot/Contract</u>	<u>Order Number</u>	<u>Quantity (Tons)</u>
<b><u>December 2012</u></b>			
OXFORD MINING COMPANY	L T Contract	000000504	21,845.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	30,352.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	8,070.00
WHITE COUNTY COAL LLC	L T Contract	000000508	25,514.00
CONSOL COAL COMPANY	L T Contract	000000510	32,686.00
PEABODY COALSALES LLC	L T Contract	000000514	37,725.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	41,574.00
PATRIOT COAL SALES LLC	L T Contract	000000522	33,007.00
OXFORD MINING COMPANY	Spot Market	0000551419	24,933.00
ALLIANCE COAL LLC	Spot Market	0000551420	7,918.00
OXFORD MINING COMPANY	Spot Market	0000551433	11,560.00
<b>December 2012</b>			<b>275,184.00</b>
<b><u>January 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	000000504	9,993.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	11,648.00
WHITE COUNTY COAL LLC	L T Contract	000000508	14,447.00
PEABODY COALSALES LLC	L T Contract	000000514	37,340.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	51,299.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	9,696.00
PATRIOT COAL SALES LLC	L T Contract	000000522	6,378.00
OXFORD MINING COMPANY	Spot Market	0000551419	9,328.00
ALLIANCE COAL LLC	Spot Market	0000551420	1,583.00
OXFORD MINING COMPANY	Spot Market	0000551433	6,370.00
WILLIAMSON ENERGY LLC	Spot Market	0000551441	8,055.00
WILLIAMSON ENERGY LLC	Spot Market	0000551441	12,886.00
<b>January 2013</b>			<b>179,023.00</b>
<b><u>February 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	000000504	34,913.00
WHITE COUNTY COAL LLC	L T Contract	000000508	28,817.00
PEABODY COALSALES LLC	L T Contract	000000514	40,029.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	22,276.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	22,350.00
PATRIOT COAL SALES LLC	L T Contract	000000522	16,063.00
OXFORD MINING COMPANY	Spot Market	0000551433	7,973.00
WILLIAMSON ENERGY LLC	Spot Market	0000551441	16,352.00
WILLIAMSON ENERGY LLC	Spot Market	0000551441	6,605.00
<b>February 2013</b>			<b>195,378.00</b>

<u>Supplier</u>	<u>Spot/Contract</u>	<u>Order Number</u>	<u>Quantity (Tons)</u>
<b><u>March 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	000000504	30,131.00
WHITE COUNTY COAL LLC	L T Contract	000000508	17,505.00
PEABODY COALSALES LLC	L T Contract	000000514	42,505.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	43,157.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	12,774.00
PATRIOT COAL SALES LLC	L T Contract	000000522	23,802.00
OXFORD MINING COMPANY	Spot Market	0000551433	4,761.00
WILLIAMSON ENERGY LLC	Spot Market	0000551441	21,424.00
		<b>March 2013</b>	<b>196,059.00</b>
<b><u>April 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	000000504	38,746.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	4,917.00
WHITE COUNTY COAL LLC	L T Contract	000000508	22,361.00
PEABODY COALSALES LLC	L T Contract	000000514	31,960.00
AMERICAN ENERGY CORPORATION	L T Contract	000000516	31,752.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	27,519.00
PATRIOT COAL SALES LLC	L T Contract	000000522	23,971.00
OXFORD MINING COMPANY	Spot Market	0000551433	4,670.00
WILLIAMSON ENERGY LLC	Spot Market	0000551441	14,723.00
		<b>April 2013</b>	<b>200,619.00</b>
<b><u>Spurlock CFB</u></b>			
<b><u>November 2012</u></b>			
OXFORD MINING COMPANY	L T Contract	000000800	28,596.00
B & N COAL INC	L T Contract	000000812	23,044.00
ALPHA COAL SALES LLC	L T Contract	000000816	16,246.00
ALPHA COAL SALES LLC	L T Contract	000000816	3,358.00
ALPHA COAL SALES LLC	L T Contract	000000818	9,810.00
ALPHA COAL SALES LLC	L T Contract	000000818	4,853.00
JAMES RIVER COAL SALES INC	L T Contract	000000820	9,620.00
B & N COAL INC	L T Contract	00000812A	29,323.00
OXFORD MINING COMPANY	Spot Market	0000851430	23,412.00
WATERLOO COAL COMPANY INC	Spot Market	0000851436	4,743.00
		<b>November 2012</b>	<b>153,005.00</b>

<u>Supplier</u>	<u>Spot/Contract</u>	<u>Order Number</u>	<u>Quantity (Tons)</u>
<b><u>December 2012</u></b>			
OXFORD MINING COMPANY	L T Contract	000000800	26,608.00
B & N COAL INC	L T Contract	000000812	18,030.00
ALPHA COAL SALES LLC	L T Contract	000000816	1,625.00
ALPHA COAL SALES LLC	L T Contract	000000816	11,367.00
ALPHA COAL SALES LLC	L T Contract	000000818	3,241.00
ALPHA COAL SALES LLC	L T Contract	000000818	6,538.00
JAMES RIVER COAL SALES INC	L T Contract	000000820	7,873.00
B & N COAL INC	L T Contract	00000812A	21,749.00
OXFORD MINING COMPANY	Spot Market	0000851430	20,241.00
<b>December 2012</b>			<b>117,272.00</b>
<b><u>January 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	000000800	27,196.00
B & N COAL INC	L T Contract	000000812	21,455.00
ALPHA COAL SALES LLC	L T Contract	000000816	3,307.00
ALPHA COAL SALES LLC	L T Contract	000000818	1,635.00
ALPHA COAL SALES LLC	L T Contract	000000818	3,253.00
PEABODY COALS SALES LLC	L T Contract	000000822	30,340.00
B & N COAL INC	L T Contract	00000812A	18,169.00
OXFORD MINING COMPANY	Spot Market	0000851430	14,029.00
WATERLOO COAL COMPANY INC	Spot Market	0000851436	9,171.00
<b>January 2013</b>			<b>128,555.00</b>
<b><u>February 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	000000800	52,469.00
B & N COAL INC	L T Contract	000000812	29,298.00
ALPHA COAL SALES LLC	L T Contract	000000818	6,576.00
ALPHA COAL SALES LLC	L T Contract	000000818	6,602.00
PEABODY COALS SALES LLC	L T Contract	000000822	30,391.00
B & N COAL INC	L T Contract	00000812A	18,195.00
OXFORD MINING COMPANY	Spot Market	0000851430	3,140.00
WATERLOO COAL COMPANY INC	Spot Market	0000851436	6,117.00
<b>February 2013</b>			<b>152,788.00</b>

<u>Supplier</u>	<u>Spot/Contract</u>	<u>Order Number</u>	<u>Quantity (Tons)</u>
<b><u>March 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	0000000800	36,983.00
B & N COAL INC	L T Contract	0000000812	21,188.00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,371.00
ALPHA COAL SALES LLC	L T Contract	0000000818	11,402.00
PEABODY COALSALES LLC	L T Contract	0000000822	30,276.00
B & N COAL INC	L T Contract	000000812A	16,334.00
OXFORD MINING COMPANY	Spot Market	0000851430	4,665.00
WATERLOO COAL COMPANY INC	Spot Market	0000851436	15,515.00
WILLIAMSON ENERGY LLC	Spot Market	0000851446	16,477.00
<b>March 2013</b>			<b>156,211.00</b>
<b><u>April 2013</u></b>			
OXFORD MINING COMPANY	L T Contract	0000000800	43,903.00
B & N COAL INC	L T Contract	0000000812	22,962.00
ALPHA COAL SALES LLC	L T Contract	0000000818	5,060.00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,384.00
PEABODY COALSALES LLC	L T Contract	0000000822	22,596.00
B & N COAL INC	L T Contract	0000000824	4,836.00
B & N COAL INC	L T Contract	000000812A	9,831.00
WATERLOO COAL COMPANY INC	Spot Market	0000851436	4,792.00
OXFORD MINING COMPANY	Spot Market	0000851447	3,112.00
<b>April 2013</b>			<b>120,476.00</b>
<b><u>TOTAL PERCENTAGE SPOT</u></b>	<b>16%</b>		
<b><u>TOTAL PERCENTAGE CONTRACT</u></b>	<b>84%</b>		



EAST KENTUCKY POWER COOPERATIVE, INC.

PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 2

RESPONSIBLE PARTY: Ernest W. Huff

**Request 2.** For the period from November 1, 2012 through April 30, 2013, list each vendor from whom natural gas was purchased for generation and the quantities and the nature of each purchase (e.g., spot or contract). For contract purchases, state whether the contract has been filed with the Commission. If no, explain why it has not been filed.

**Response 2.**

<u>Vendor</u>	<u>Quantity (MMBtu)</u>	<u>Type of Purchase</u>
Atmos	1,411,851	Spot
Gavilon	30,100	Spot
NJR	834,500	Spot
Sequent	986,000	Spot
TGP	(21,502)	Spot
Texon	415,105	Spot

Please note that NAESB contracts with the above vendors have been filed with the Commission.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 3**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 3.** State whether East Kentucky engages in hedging activities for its coal or natural gas purchases used for generation. If yes, describe the hedging activities in detail.

**Response 3.** East Kentucky engages in “physical” hedging of its coal supply and pricing by blending contract coal with long and short-term purchase orders. Coal contract terms will vary based on market conditions, and have staggered expiration and reopener dates to levelize coal contract pricing. Some of the factors that impact contract mix are coal availability, foreseeable mining or transportation problems, and planned unit outages.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 4**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 4.** For each generating station or unit for which a separate coal pile is maintained, state, for the period from November 1, 2012 through April 30, 2013, 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 4.** Please see page 2 of this response.

**PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262**

**RESPONSE TO PSC ORDER DATED 08/08/13**

<u>Station</u>	<u>November</u>	<u>December</u>	<u>January</u>	<u>February</u>	<u>March</u>	<u>April</u>
<b><u>Dale</u></b>						
Tons Burned	19,009.41	0.00	0.00	0.00	0.00	20,549.91
Tons Delivered	15,846.03	12,085.72	0.00	0.00	0.00	9,105.98
Generation—Net kWh	40,496,000.00	-952,000.00	-1,004,000.00	-875,000.00	-981,000.00	44,059,000.00
Actual Capacity Factor (net)	28.70	-0.65	-0.69	-0.66	-0.67	31.22
<b><u>Cooper</u></b>						
Tons Burned	83,134.50	56,707.50	65,969.50	65,333.00	70,718.00	54,611.00
Tons Delivered	24,578.29	37,841.32	64,313.27	56,796.45	52,600.20	42,555.15
Generation—Net kWh	191,414,000.00	129,149,000.00	149,438,000.00	152,722,000.00	170,597,000.00	126,652,000.00
Actual Capacity Factor (net)	77.96	50.91	58.90	66.65	67.24	51.59
<b><u>Spurlock 1 &amp; 2 (Scrubber)</u></b>						
Tons Burned	182,717.00	245,692.00	249,443.00	200,810.00	248,527.00	128,226.00
Tons Delivered	183,491.00	275,184.00	179,023.00	195,378.00	196,059.00	200,619.00
Generation—Net kWh	410,619,272.00	546,908,343.00	548,322,438.00	440,111,348.00	549,955,069.00	287,790,448.00
Actual Capacity Factor (net)	70.41	90.75	90.99	80.86	91.26	49.35
<b><u>Gilbert/Spurlock 4 (CFB)</u></b>						
Tons Burned	99,967.00	153,482.00	162,399.00	148,765.00	90,503.00	80,828.00
Tons Delivered	153,005.00	117,272.00	128,555.00	152,788.00	156,211.00	120,476.00
Generation—Net kWh	212,836,000.00	326,297,000.00	351,958,000.00	328,182,000.00	193,860,000.00	170,723,000.00
Actual Capacity Factor (net)	55.15	81.82	88.26	91.11	48.61	44.24



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 5**

**RESPONSIBLE PARTY: Julia J. Tucker**

**Request 5.** List all firm power commitments for East Kentucky from November 1, 2012 through April 30, 2013 for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in MW, and the purpose of the commitment (e.g., peaking, emergency).

**Response 5.**

(a) Purchases

<b>Company</b>	<b>MW</b>	<b>Purpose</b>	<b>Contract Date</b>
AEP	50	Energy	01/01/12 - 12/31/14
SEPA	Up to 170	Energy	07/01/98 - 06/30/17

(b) There were no firm power sales from November 1, 2012 through April 30, 2013.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262**

**FUEL ADJUSTMENT CLAUSE**

**RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 6**

**RESPONSIBLE PARTY:            Julia J. Tucker**

**Request 6.**            Provide a monthly billing summary of sales to all electric utilities for the period November 1, 2012 through April 30, 2013.

**Response 6.**            Please see member cooperative sales on pages 2 through 23 of this response. Please see other sales on pages 24 through 29 of this response.

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

**2012**

**November**

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	53,354	23,769,786	63.13	40,408	64.83	270,766	76.22	1,811,846
	YTD	530,397	227,129,026	64.46	-321,744	63.05	2,086,001	72.23	16,406,076
BLUE GRASS ENERGY	Month	243,939	101,912,075	63.77	173,249	65.47	1,172,228	76.97	7,843,984
	YTD	2,550,430	1,112,432,549	63.45	-1,688,753	61.93	10,047,799	70.97	78,946,219
CLARK ENERGY COOP	Month	89,504	38,725,660	64.15	65,833	65.85	448,063	77.42	2,998,230
	YTD	935,474	390,203,493	65.42	-571,775	63.95	3,642,396	73.29	28,597,579
CUMBERLAND VALLEY ELECTRIC	Month	103,384	45,212,090	63.59	76,861	65.29	518,613	76.76	3,470,321
	YTD	1,029,181	450,565,161	64.32	-651,737	62.88	4,123,317	72.03	32,454,072
FARMERS RECC	Month	85,586	41,197,602	61.79	70,037	63.49	459,559	74.64	3,075,154
	YTD	959,790	454,615,133	62.53	-709,948	60.97	4,048,136	69.87	31,763,753
FLEMING MASON RECC	Month	165,736	72,280,272	59.02	122,853	60.72	771,096	71.39	5,160,066
	YTD	1,771,108	771,457,289	59.17	-1,157,001	57.67	6,470,327	66.06	50,959,098
GRAYSON RECC	Month	51,884	23,642,618	63.07	40,193	64.77	269,043	76.15	1,800,309
	YTD	545,711	234,584,059	64.63	-340,452	63.18	2,161,829	72.39	16,981,968
INTER-COUNTY ECC	Month	94,203	39,643,200	63.53	66,922	65.22	454,249	76.67	3,039,616
	YTD	983,627	399,501,267	64.85	-579,567	63.40	3,694,154	72.65	29,022,492
JACKSON ENERGY COOP	Month	192,842	82,824,992	63.60	140,805	65.30	950,331	76.78	6,359,157
	YTD	1,946,752	820,181,490	64.57	-1,180,175	63.13	7,544,897	72.33	59,325,111
LICKING VALLEY RECC	Month	54,232	24,538,623	63.12	41,717	64.82	279,468	76.21	1,870,067
	YTD	555,584	239,441,387	64.60	-344,961	63.15	2,207,846	72.38	17,329,708
NOLIN RECC	Month	137,835	63,697,263	61.11	108,287	62.81	702,967	73.85	4,703,917
	YTD	1,538,956	698,479,598	61.84	-1,077,461	60.30	6,145,964	69.10	48,261,749
OWEN EC	Month	358,668	186,350,662	52.74	316,618	54.44	1,782,560	64.00	11,926,871
	YTD	4,164,714	2,031,790,745	53.79	-3,194,457	52.21	15,433,040	59.81	121,521,744
SALT RIVER RECC	Month	192,172	90,900,810	62.00	154,532	63.70	1,017,419	74.90	6,808,073
	YTD	2,227,452	1,019,807,795	62.94	-1,612,062	61.36	9,152,603	70.34	71,730,650
SHELBY ENERGY COOP	Month	79,199	38,809,513	60.54	65,812	62.24	424,407	73.18	2,839,902
	YTD	903,111	426,544,926	61.30	-656,445	59.76	3,717,890	68.48	29,208,853
SOUTH KENTUCKY RECC	Month	267,048	110,107,100	64.06	187,184	65.76	1,272,217	77.32	8,513,067
	YTD	2,691,774	1,136,360,999	64.28	-1,680,144	62.80	10,400,277	71.95	81,762,824
TAYLOR COUNTY RECC	Month	105,855	39,931,055	64.18	67,498	65.87	461,437	77.43	3,091,772
	YTD	1,111,659	422,769,821	64.59	-636,643	63.08	3,886,008	72.27	30,554,882
<b>CO-OP Subtotals</b>	Month	2,275,441	1,023,543,321	60.89	1,738,809	62.58	11,254,423	73.58	75,312,352
	YTD	24,445,720	10,835,864,738	61.51	-16,403,325	59.99	94,762,484	68.74	744,826,778
Inland Steam	Month	38,355	21,726,788	49.58	36,677	51.27	195,702	60.27	1,309,543
	YTD	383,341	220,182,616	50.85	-313,057	49.43	1,571,213	56.56	12,454,044
<b>Totals</b>	Month	2,313,796	1,045,270,109	60.65	1,775,486	62.35	11,450,125	73.30	76,621,895
	YTD	24,829,061	11,056,047,354	61.29	-16,716,382	59.78	96,333,697	68.49	757,280,822

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

**2012**

**November**

CO-OP Name/EKPC	Month	KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside	Month	212	85,731	64.56	146	66.27	998	77.91	6,679
	YTD	2,639	1,276,349	61.32	-1,314	60.30	10,446	68.48	87,404
East Ky Office	Month	1,019	534,783	60.02	909	61.72	5,800	72.57	38,809
	YTD	10,175	6,191,061	57.96	-9,352	56.45	50,498	64.60	399,964
Smith Construction	Month	138	68,089	60.99	116	62.70	750	73.71	5,019
	YTD	1,089	574,841	59.94	-724	58.68	4,854	67.12	38,584
<b>EKPC Subtotals</b>	Month	1,369	688,603	60.69	1,171	62.39	7,548	73.35	50,507
	YTD	13,903	8,042,251	58.63	-11,390	57.22	65,798	65.40	525,952
<b>Totals</b>	Month	2,315,165	1,045,958,712	60.65	1,776,657	62.35	11,457,673	73.30	76,672,402
	YTD	24,842,964	11,064,089,605	61.29	-16,727,772	59.78	96,399,495	68.49	757,806,774

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

November 2012

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
	YTD	63,800		1,518
BLUE GRASS ENERGY	Month	22,400	0.02375	532
	YTD	248,200		5,892
CLARK ENERGY COOP	Month	2,400	0.02375	57
	YTD	28,800		684
CUMBERLAND VALLEY ELECTRIC	Month	2,400	0.02375	57
	YTD	26,400		627
FARMERS RECC	Month	1,900	0.02375	45
	YTD	27,500		654
FLEMING MASON RECC	Month	3,100	0.02375	74
	YTD	34,100		814
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	83,200		1,978
INTER-COUNTY ECC	Month	5,500	0.02375	131
	YTD	62,700		1,489
JACKSON ENERGY COOP	Month	14,600	0.02375	347
	YTD	171,900		4,083
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	37,400		891
NOLIN RECC	Month	30,000	0.02375	713
	YTD	333,800		7,929
OWEN EC	Month	211,800	0.02375	5,030
	YTD	2,349,800		55,807

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

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**November 2012**

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
SALT RIVER RECC	Month	48,500	0.02375	1,152
	YTD	535,500		12,718
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	145,900		3,466
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	204,600		4,862
<b>EKPC Subtotals</b>	Month	391,300	0.02375	9,296
	YTD	4,353,600		103,412
<b>Totals</b>	Month	391,300	0.02375	9,296
	YTD	4,353,600		103,412

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

**2012**

**December**

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	52,960	24,739,232	62.47	62,094	64.98	293,067	76.83	1,900,674
	YTD	583,357	251,868,258	64.27	-259,650	63.24	2,379,068	72.68	18,306,750
BLUE GRASS ENERGY	Month	246,940	119,384,776	61.61	299,654	64.12	1,395,579	75.81	9,050,968
	YTD	2,797,370	1,231,817,325	63.27	-1,389,099	62.15	11,443,378	71.44	87,997,187
CLARK ENERGY COOP	Month	91,147	42,661,746	62.95	107,083	65.46	509,117	77.40	3,301,860
	YTD	1,026,621	432,865,239	65.18	-464,692	64.10	4,151,513	73.69	31,899,439
CUMBERLAND VALLEY ELECTRIC	Month	100,695	47,140,833	62.64	118,325	65.15	559,857	77.02	3,630,932
	YTD	1,129,876	497,705,994	64.16	-533,412	63.09	4,683,174	72.50	36,085,004
FARMERS RECC	Month	87,866	44,907,352	61.06	112,719	63.57	520,408	75.16	3,375,084
	YTD	1,047,656	499,522,485	62.39	-597,229	61.20	4,568,544	70.34	35,138,837
FLEMING MASON RECC	Month	165,798	78,210,006	58.07	196,271	60.58	863,697	71.62	5,601,695
	YTD	1,936,906	849,667,295	59.07	-960,730	57.94	7,334,024	66.57	56,560,793
GRAYSON RECC	Month	52,118	25,619,863	62.01	64,307	64.52	301,360	76.29	1,954,464
	YTD	597,829	260,203,922	64.37	-276,145	63.31	2,463,189	72.78	18,936,432
INTER-COUNTY ECC	Month	97,933	44,346,342	62.41	110,416	64.90	524,638	76.73	3,402,522
	YTD	1,081,560	443,847,609	64.61	-469,151	63.55	4,218,792	73.05	32,425,014
JACKSON ENERGY COOP	Month	193,756	90,351,850	62.43	226,780	64.94	1,069,573	76.77	6,936,663
	YTD	2,140,508	910,533,340	64.36	-953,395	63.31	8,614,470	72.77	66,261,774
LICKING VALLEY RECC	Month	54,048	26,180,518	62.17	65,713	64.68	308,707	76.47	2,002,107
	YTD	609,632	265,621,905	64.36	-279,248	63.31	2,516,553	72.78	19,331,815
NOLIN RECC	Month	145,751	70,218,982	60.69	176,251	63.20	809,074	74.73	5,247,223
	YTD	1,684,707	768,698,580	61.73	-901,210	60.56	6,955,038	69.61	53,508,972
OWEN EC	Month	364,788	180,829,886	52.71	437,849	55.13	1,805,830	65.12	11,775,060
	YTD	4,529,502	2,212,620,631	53.70	-2,756,608	52.45	17,238,870	60.24	133,296,804
SALT RIVER RECC	Month	198,574	101,175,468	61.00	253,950	63.51	1,171,419	75.09	7,597,202
	YTD	2,426,026	1,120,983,263	62.77	-1,358,112	61.56	10,324,022	70.77	79,327,852
SHELBY ENERGY COOP	Month	81,479	42,244,677	59.99	105,787	62.49	481,255	73.88	3,121,161
	YTD	984,590	468,789,603	61.18	-550,658	60.01	4,199,145	68.96	32,330,014
SOUTH KENTUCKY RECC	Month	274,530	120,621,023	63.10	302,761	65.61	1,442,801	77.58	9,357,213
	YTD	2,966,304	1,256,982,022	64.17	-1,377,383	63.07	11,843,078	72.49	91,120,037
TAYLOR COUNTY RECC	Month	107,453	44,021,810	62.93	109,855	65.42	524,411	77.34	3,404,482
	YTD	1,219,112	466,791,631	64.43	-526,788	63.30	4,410,419	72.75	33,959,364
<b>CO-OP Subtotals</b>	Month	2,315,836	1,102,654,364	60.15	2,749,815	62.65	12,580,793	74.06	81,659,310
	YTD	26,761,556	11,938,519,102	61.38	-13,653,510	60.24	107,343,277	69.23	826,486,088

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**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

**2012**

**December**

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam	Month	41,230	23,906,352	49.30	59,525	51.79	225,706	61.23	1,463,807
	YTD	424,571	244,088,968	50.70	-253,532	49.66	1,796,919	57.02	13,917,851
<b>Totals</b>	Month	2,357,066	1,126,560,716	59.92	2,809,340	62.42	12,806,499	73.78	83,123,117
	YTD	27,186,127	12,182,608,070	61.17	-13,907,042	60.03	109,140,196	68.98	840,403,939
Burnside	Month	212	96,094	62.43	241	64.94	1,138	76.78	7,378
	YTD	2,851	1,372,443	61.40	-1,073	60.62	11,584	69.06	94,782
East Ky Office	Month	1,025	599,734	58.46	1,506	60.97	6,666	72.08	43,230
	YTD	11,200	6,790,795	58.00	-7,846	56.85	57,164	65.26	443,194
Smith Contruction	Month	144	73,202	60.52	184	63.03	841	74.52	5,455
	YTD	1,233	648,043	60.00	-540	59.17	5,695	67.96	44,039
<b>EKPC Subtotals</b>	Month	1,381	769,030	59.15	1,931	61.66	8,645	72.90	56,063
	YTD	15,284	8,811,281	58.68	-9,459	57.60	74,443	66.05	582,015
<b>Totals</b>	Month	2,358,447	1,127,329,746	59.92	2,811,271	62.42	12,815,144	73.78	83,179,180
	YTD	27,201,411	12,191,419,351	61.16	-13,916,501	60.02	109,214,639	68.98	840,985,954

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

December 2012

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
	YTD	69,600		1,656
BLUE GRASS ENERGY	Month	22,400	0.02375	532
	YTD	270,600		6,424
CLARK ENERGY COOP	Month	2,400	0.02375	57
	YTD	31,200		741
CUMBERLAND VALLEY ELECTRIC	Month	2,400	0.02375	57
	YTD	28,800		684
FARMERS RECC	Month	1,900	0.02375	45
	YTD	29,400		699
FLEMING MASON RECC	Month	3,100	0.02375	74
	YTD	37,200		888
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	90,600		2,154
INTER-COUNTY ECC	Month	5,500	0.02375	131
	YTD	68,200		1,620
JACKSON ENERGY COOP	Month	14,600	0.02375	347
	YTD	186,500		4,430
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	40,800		972
NOLIN RECC	Month	29,600	0.02375	703
	YTD	363,400		8,632
OWEN EC	Month	211,800	0.02375	5,030
	YTD	2,561,600		60,837

Prepared by Laura Wilson

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EAST KENTUCKY POWER COOPERATIVE INC.  
Wholesale Power Accounting  
Green Power Billing Summary

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		December 2012		
CO-OP Name/EKPC		KWH	KWH Charge	Revenue
SALT RIVER RECC	Month	48,500	0.02375	1,152
	YTD	584,000		13,870
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	159,400		3,787
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	223,200		5,304
<b>EKPC Subtotals</b>	Month	390,900	0.02375	9,286
	YTD	4,744,500		112,698
<b>Totals</b>	Month	390,900	0.02375	9,286
	YTD	4,744,500		112,698

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

**2013**

**January**

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	61,330	28,116,845	62.55	-29,804	61.49	252,597	70.48	1,981,541
	YTD	61,330	28,116,845	62.55	-29,804	61.49	252,597	70.48	1,981,541
BLUE GRASS ENERGY	Month	299,406	137,153,134	62.07	-145,381	61.01	1,222,566	69.93	9,590,577
	YTD	299,406	137,153,134	62.07	-145,381	61.01	1,222,566	69.93	9,590,577
CLARK ENERGY COOP	Month	109,997	48,421,747	63.54	-51,327	62.48	441,978	71.60	3,467,154
	YTD	109,997	48,421,747	63.54	-51,327	62.48	441,978	71.60	3,467,154
CUMBERLAND VALLEY ELECTRIC	Month	114,656	52,235,803	62.83	-55,369	61.77	471,376	70.79	3,697,768
	YTD	114,656	52,235,803	62.83	-55,369	61.77	471,376	70.79	3,697,768
FARMERS RECC	Month	105,398	51,769,297	61.32	-54,874	60.26	455,755	69.06	3,575,225
	YTD	105,398	51,769,297	61.32	-54,874	60.26	455,755	69.06	3,575,225
FLEMING MASON RECC	Month	184,760	85,018,822	58.55	-90,096	57.49	714,013	65.89	5,601,565
	YTD	184,760	85,018,822	58.55	-90,096	57.49	714,013	65.89	5,601,565
GRAYSON RECC	Month	60,229	28,581,771	62.28	-30,297	61.22	255,641	70.16	2,005,409
	YTD	60,229	28,581,771	62.28	-30,297	61.22	255,641	70.16	2,005,409
INTER-COUNTY ECC	Month	119,200	50,984,029	63.13	-53,818	62.07	462,359	71.14	3,627,011
	YTD	119,200	50,984,029	63.13	-53,818	62.07	462,359	71.14	3,627,011
JACKSON ENERGY COOP	Month	230,753	103,478,874	62.76	-109,686	61.70	932,727	70.71	7,316,898
	YTD	230,753	103,478,874	62.76	-109,686	61.70	932,727	70.71	7,316,898
LICKING VALLEY RECC	Month	61,294	29,274,140	62.18	-31,031	61.12	261,392	70.05	2,050,519
	YTD	61,294	29,274,140	62.18	-31,031	61.12	261,392	70.05	2,050,519
NOLIN RECC	Month	173,578	80,209,705	61.14	-85,020	60.08	704,094	68.86	5,523,368
	YTD	173,578	80,209,705	61.14	-85,020	60.08	704,094	68.86	5,523,368
OWEN EC	Month	409,384	210,840,076	53.72	-223,418	52.66	1,622,015	60.35	12,724,108
	YTD	409,384	210,840,076	53.72	-223,418	52.66	1,622,015	60.35	12,724,108
SALT RIVER RECC	Month	232,982	112,402,153	61.53	-119,149	60.47	992,980	69.30	7,789,533
	YTD	232,982	112,402,153	61.53	-119,149	60.47	992,980	69.30	7,789,533
SHELBY ENERGY COOP	Month	96,771	47,433,787	60.49	-50,278	59.43	411,872	68.12	3,230,965
	YTD	96,771	47,433,787	60.49	-50,278	59.43	411,872	68.12	3,230,965
SOUTH KENTUCKY RECC	Month	323,990	139,988,573	63.12	-148,387	62.06	1,269,258	71.13	9,956,863
	YTD	323,990	139,988,573	63.12	-148,387	62.06	1,269,258	71.13	9,956,863
TAYLOR COUNTY RECC	Month	124,108	49,833,407	63.23	-52,567	62.17	452,069	71.24	3,550,371
	YTD	124,108	49,833,407	63.23	-52,567	62.17	452,069	71.24	3,550,371
<b>CO-OP Subtotals</b>	Month	2,707,836	1,255,742,163	60.60	-1,330,502	59.54	10,922,692	68.24	85,688,875
	YTD	2,707,836	1,255,742,163	60.60	-1,330,502	59.54	10,922,692	68.24	85,688,875

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

2013

January

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam	Month	41,652	25,635,883	48.68	-26,930	47.63	178,377	54.58	1,399,304
	YTD	41,652	25,635,883	48.68	-26,930	47.63	178,377	54.58	1,399,304
<b>Totals</b>	Month	2,749,488	1,281,378,046	60.36	-1,357,432	59.30	11,101,069	67.96	87,088,179
	YTD	2,749,488	1,281,378,046	60.36	-1,357,432	59.30	11,101,069	67.96	87,088,179
Burnside	Month	239	110,336	62.11	-117	61.05	984	69.97	7,720
	YTD	239	110,336	62.11	-117	61.05	984	69.97	7,720
East Ky Office	Month	1,184	674,615	58.82	-715	57.76	5,694	66.20	44,662
	YTD	1,184	674,615	58.82	-715	57.76	5,694	66.20	44,662
Smith Contruction	Month	109	56,121	60.30	-59	59.25	486	67.91	3,811
	YTD	109	56,121	60.30	-59	59.25	486	67.91	3,811
<b>EKPC Subtotals</b>	Month	1,532	841,072	59.35	-891	58.29	7,164	66.81	56,193
	YTD	1,532	841,072	59.35	-891	58.29	7,164	66.81	56,193
<b>Totals</b>	Month	2,751,020	1,282,219,118	60.36	-1,358,323	59.30	11,108,233	67.96	87,144,372
	YTD	2,751,020	1,282,219,118	60.36	-1,358,323	59.30	11,108,233	67.96	87,144,372

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

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CO-OP Name/EKPC	KWH		KWH Charge	January 2013		Revenue
	Month	YTD		Month	YTD	
BIG SANDY RECC						
BLUE GRASS ENERGY	5,800	5,800	0.02375			138
CLARK ENERGY COOP	22,400	22,400	0.02375			532
CUMBERLAND VALLEY ELECTRIC	2,400	2,400	0.02375			57
FARMERS RECC	2,400	2,400	0.02375			57
FLEMING MASON RECC	1,900	1,900	0.02375			45
GRAYSON RECC	3,100	3,100	0.02375			74
INTER-COUNTY ECC	7,400	7,400	0.02375			176
JACKSON ENERGY COOP	5,500	5,500	0.02375			131
LICKING VALLEY RECC	14,600	14,600	0.02375			347
NOLIN RECC	3,400	3,400	0.02375			81
OWEN EC	29,600	29,600	0.02375			703
SALT RIVER RECC	211,700	211,700	0.02375			5,028
SHELBY ENERGY COOP	48,400	48,400	0.02375			1,150
SOUTH KENTUCKY RECC	13,500	13,500	0.02375			321
<b>EKPC Subtotals</b>	<b>18,600</b>	<b>18,600</b>	<b>0.02375</b>			<b>442</b>
<b>Totals</b>	<b>390,700</b>	<b>390,700</b>	<b>0.02375</b>			<b>9,282</b>
	<b>390,700</b>	<b>390,700</b>	<b>0.02375</b>			<b>9,282</b>

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**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

**2013**

**February**

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	56,070	25,044,147	63.02	-8,264	62.69	211,782	71.14	1,781,696
	YTD	117,400	53,160,992	62.77	-38,068	62.05	464,379	70.79	3,763,237
BLUE GRASS ENERGY	Month	298,688	121,033,013	63.93	-39,941	63.60	1,038,448	72.18	8,736,356
	YTD	598,094	258,186,147	62.94	-185,322	62.23	2,261,014	70.98	18,326,933
CLARK ENERGY COOP	Month	107,203	42,826,757	65.17	-14,134	64.84	374,592	73.59	3,151,412
	YTD	217,200	91,248,504	64.30	-65,461	63.58	816,570	72.53	6,618,566
CUMBERLAND VALLEY ELECTRIC	Month	106,044	46,100,201	63.59	-15,214	63.26	393,396	71.79	3,309,617
	YTD	220,700	98,336,004	63.18	-70,583	62.47	864,772	71.26	7,007,385
FARMERS RECC	Month	108,091	45,288,117	63.51	-14,944	63.18	385,984	71.70	3,247,249
	YTD	213,489	97,057,414	62.34	-69,818	61.62	841,739	70.29	6,822,474
FLEMING MASON RECC	Month	180,955	77,535,598	59.48	-25,573	59.15	618,578	67.13	5,204,739
	YTD	365,715	162,554,420	58.99	-115,669	58.28	1,332,591	66.48	10,806,304
GRAYSON RECC	Month	56,994	25,865,070	63.04	-8,535	62.71	218,798	71.17	1,840,736
	YTD	117,223	54,446,841	62.64	-38,832	61.93	474,439	70.64	3,846,145
INTER-COUNTY ECC	Month	118,556	45,314,802	64.84	-14,859	64.52	394,389	73.22	3,317,960
	YTD	237,756	96,298,831	63.94	-68,677	63.22	856,748	72.12	6,944,971
JACKSON ENERGY COOP	Month	217,403	91,188,349	63.81	-30,090	63.48	780,847	72.04	6,569,165
	YTD	448,156	194,667,223	63.25	-139,776	62.53	1,713,574	71.33	13,886,063
LICKING VALLEY RECC	Month	58,123	26,017,692	63.15	-8,584	62.82	220,474	71.29	1,854,836
	YTD	119,417	55,291,832	62.63	-39,615	61.92	481,866	70.63	3,905,355
NOLIN RECC	Month	179,090	70,706,548	63.43	-23,329	63.10	601,885	71.61	5,063,611
	YTD	352,668	150,916,253	62.22	-108,349	61.50	1,305,979	70.15	10,586,979
OWEN EC	Month	403,593	190,289,033	54.67	-62,796	54.34	1,394,972	61.67	11,735,746
	YTD	812,977	401,129,109	54.17	-286,214	53.46	3,016,987	60.98	24,459,854
SALT RIVER RECC	Month	230,863	98,798,071	63.25	-32,605	62.92	838,638	71.41	7,055,371
	YTD	463,845	211,200,224	62.33	-151,754	61.62	1,831,618	70.29	14,844,904
SHELBY ENERGY COOP	Month	94,895	42,633,570	61.73	-14,072	61.40	353,146	69.69	2,970,976
	YTD	191,666	90,067,357	61.08	-64,350	60.37	765,018	68.86	6,201,941
SOUTH KENTUCKY RECC	Month	316,629	124,319,932	64.62	-41,012	64.29	1,078,259	72.97	9,071,283
	YTD	640,619	264,308,505	63.83	-189,399	63.11	2,347,517	71.99	19,028,146
TAYLOR COUNTY RECC	Month	125,287	44,122,301	65.30	-14,487	64.97	386,253	73.72	3,252,915
	YTD	249,395	93,955,708	64.20	-67,054	63.49	838,322	72.41	6,803,286
<b>CO-OP Subtotals</b>	Month	2,658,484	1,117,083,201	61.98	-368,439	61.65	9,290,441	69.97	78,163,668
	YTD	5,366,320	2,372,825,364	61.25	-1,698,941	60.54	20,213,133	69.05	163,852,543

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

2013

February

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam	Month	43,387	24,587,127	49.26	-8,033	48.94	162,315	55.54	1,365,539
	YTD	85,039	50,223,010	48.96	-34,963	48.27	340,692	55.05	2,764,843
<b>Totals</b>	Month	2,701,871	1,141,670,328	61.71	-376,472	61.38	9,452,756	69.66	79,529,207
	YTD	5,451,359	2,423,048,374	61.00	-1,733,904	60.28	20,553,825	68.76	166,617,386
Burnside	Month	225	106,794	61.63	-35	61.30	883	69.57	7,430
	YTD	464	217,130	61.88	-152	61.18	1,867	69.77	15,150
East Ky Office	Month	1,169	617,887	59.91	-204	59.58	4,967	67.62	41,783
	YTD	2,353	1,292,502	59.34	-919	58.63	10,661	66.88	86,445
Smith Contruction	Month	121	47,883	64.97	-16	64.64	418	73.37	3,513
	YTD	230	104,004	62.45	-75	61.73	904	70.42	7,324
<b>EKPC Subtotals</b>	Month	1,515	772,564	60.46	-255	60.13	6,268	68.25	52,726
	YTD	3,047	1,613,636	59.89	-1,146	59.18	13,432	67.50	108,919
<b>Totals</b>	Month	2,703,386	1,142,442,892	61.71	-376,727	61.38	9,459,024	69.66	79,581,933
	YTD	5,454,406	2,424,662,010	61.00	-1,735,050	60.28	20,567,257	68.76	166,726,305

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

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**February 2013**

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
	YTD	11,600		276
BLUE GRASS ENERGY	Month	22,300	0.02375	530
	YTD	44,700		1,062
CLARK ENERGY COOP	Month	2,400	0.02375	57
	YTD	4,800		114
CUMBERLAND VALLEY ELECTRIC	Month	2,400	0.02375	57
	YTD	4,800		114
FARMERS RECC	Month	1,900	0.02375	45
	YTD	3,800		90
FLEMING MASON RECC	Month	3,100	0.02375	74
	YTD	6,200		148
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	14,800		352
INTER-COUNTY ECC	Month	5,500	0.02375	131
	YTD	11,000		262
JACKSON ENERGY COOP	Month	14,600	0.02375	347
	YTD	29,200		694
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	6,800		162
NOLIN RECC	Month	29,600	0.02375	703
	YTD	59,200		1,406
OWEN EC	Month	209,000	0.02375	4,964
	YTD	420,700		9,992
SALT RIVER RECC	Month	48,400	0.02375	1,150
	YTD	96,800		2,300
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	27,000		642
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	37,200		884
<b>EKPC Subtotals</b>	Month	387,900	0.02375	9,216
	YTD	778,600		18,498
<b>Totals</b>	Month	387,900	0.02375	9,216
	YTD	778,600		18,498

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**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

2013

March

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	57,257	25,709,663	62.89	-11,055	62.46	202,506	70.34	1,808,429
	YTD	174,657	78,870,655	62.81	-49,123	62.19	666,885	70.64	5,571,666
BLUE GRASS ENERGY	Month	273,220	128,677,729	61.74	-55,328	61.31	994,865	69.04	8,884,346
	YTD	871,314	386,863,876	62.54	-240,650	61.92	3,255,879	70.34	27,211,279
CLARK ENERGY COOP	Month	98,650	44,837,759	63.25	-19,281	62.82	355,186	70.74	3,171,887
	YTD	315,850	136,086,263	63.96	-84,742	63.33	1,171,756	71.94	9,790,453
CUMBERLAND VALLEY ELECTRIC	Month	109,210	48,912,833	63.07	-21,033	62.64	386,379	70.54	3,450,451
	YTD	329,910	147,248,837	63.15	-91,616	62.52	1,251,151	71.02	10,457,836
FARMERS RECC	Month	90,967	48,264,792	60.39	-20,754	59.96	364,919	67.52	3,258,805
	YTD	304,456	145,322,206	61.69	-90,572	61.07	1,206,658	69.37	10,081,279
FLEMING MASON RECC	Month	174,114	75,943,946	59.42	-32,637	58.99	564,790	66.42	5,044,366
	YTD	539,829	238,498,366	59.13	-148,306	58.50	1,897,381	66.46	15,850,670
GRAYSON RECC	Month	56,184	26,448,451	62.40	-11,372	61.97	206,664	69.78	1,845,562
	YTD	173,407	80,895,292	62.56	-50,204	61.94	681,103	70.36	5,691,707
INTER-COUNTY ECC	Month	106,316	47,628,017	62.52	-20,383	62.09	372,890	69.92	3,329,986
	YTD	344,072	143,926,848	63.47	-89,060	62.85	1,229,638	71.39	10,274,957
JACKSON ENERGY COOP	Month	215,884	96,377,032	62.80	-41,441	62.37	757,949	70.23	6,768,622
	YTD	664,040	291,044,255	63.10	-181,217	62.48	2,471,523	70.97	20,654,685
LICKING VALLEY RECC	Month	57,519	27,019,394	62.44	-11,618	62.01	211,292	69.83	1,886,890
	YTD	176,936	82,311,226	62.57	-51,233	61.95	693,158	70.37	5,792,245
NOLIN RECC	Month	153,232	75,520,617	60.26	-32,473	59.83	569,781	67.38	5,088,263
	YTD	505,900	226,436,870	61.56	-140,822	60.94	1,875,760	69.23	15,675,242
OWEN EC	Month	383,414	197,392,889	53.44	-84,880	53.01	1,319,544	59.70	11,783,807
	YTD	1,196,391	598,521,998	53.93	-371,094	53.31	4,336,531	60.56	36,243,661
SALT RIVER RECC	Month	206,786	103,849,536	61.08	-44,654	60.65	794,292	68.30	7,093,220
	YTD	670,631	315,049,760	61.92	-196,408	61.30	2,625,910	69.63	21,938,124
SHELBY ENERGY COOP	Month	85,558	44,424,194	59.76	-19,103	59.33	332,335	66.81	2,967,849
	YTD	277,224	134,491,551	60.64	-83,453	60.02	1,097,353	68.18	9,169,790
SOUTH KENTUCKY RECC	Month	305,865	131,071,053	63.22	-56,294	62.79	1,037,739	70.70	9,267,254
	YTD	946,484	395,379,558	63.62	-245,693	63.00	3,385,256	71.57	28,295,400
TAYLOR COUNTY RECC	Month	114,788	47,044,159	62.87	-20,130	62.44	369,997	70.31	3,307,524
	YTD	364,183	140,999,867	63.76	-87,184	63.14	1,208,319	71.71	10,110,810
<b>CO-OP Subtotals</b>	Month	2,488,964	1,169,122,064	60.40	-502,436	59.97	8,841,128	67.54	78,957,261
	YTD	7,855,284	3,541,947,428	60.97	-2,201,377	60.35	29,054,261	68.55	242,809,804

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

2013

March

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam	Month	42,657	20,687,279	50.89	-8,816	50.46	131,636	56.82	1,175,535
	YTD	127,696	70,910,289	49.52	-43,779	48.91	472,328	55.57	3,940,378
<b>Totals</b>	Month	2,531,621	1,189,809,343	60.24	-511,252	59.81	8,972,764	67.35	80,132,796
	YTD	7,982,980	3,612,857,717	60.75	-2,245,156	60.13	29,526,589	68.30	246,750,182
Burnside	Month	222	107,495	61.30	-46	60.87	825	68.54	7,368
	YTD	686	324,625	61.68	-198	61.07	2,692	69.37	22,518
East Ky Office	Month	1,108	636,036	58.72	-273	58.29	4,676	65.64	41,750
	YTD	3,461	1,928,538	59.14	-1,192	58.52	15,337	66.47	128,195
Smith Contruction	Month	101	50,886	60.65	-22	60.21	386	67.80	3,450
	YTD	331	154,890	61.86	-97	61.23	1,290	69.56	10,774
<b>EKPC Subtotals</b>	Month	1,431	794,417	59.19	-341	58.76	5,887	66.17	52,568
	YTD	4,478	2,408,053	59.66	-1,487	59.04	19,319	67.06	161,487
<b>Totals</b>	Month	2,533,052	1,190,603,760	60.24	-511,593	59.81	8,978,651	67.35	80,185,364
	YTD	7,987,458	3,615,265,770	60.75	-2,246,643	60.12	29,545,908	68.30	246,911,669

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

**March 2013**

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
	YTD	17,400		414
BLUE GRASS ENERGY	Month	22,300	0.02375	530
	YTD	67,000		1,592
CLARK ENERGY COOP	Month	2,400	0.02375	57
	YTD	7,200		171
CUMBERLAND VALLEY ELECTRIC	Month	2,300	0.02375	55
	YTD	7,100		169
FARMERS RECC	Month	1,900	0.02375	45
	YTD	5,700		135
FLEMING MASON RECC	Month	3,100	0.02375	74
	YTD	9,300		222
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	22,200		528
INTER-COUNTY ECC	Month	5,500	0.02375	131
	YTD	16,500		393
JACKSON ENERGY COOP	Month	14,600	0.02375	347
	YTD	43,800		1,041
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	10,200		243
NOLIN RECC	Month	29,600	0.02375	703
	YTD	88,800		2,109
OWEN EC	Month	210,700	0.02375	5,004
	YTD	631,400		14,996
SALT RIVER RECC	Month	48,500	0.02375	1,152
	YTD	145,300		3,452
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	40,500		963

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

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**March 2013**

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	55,800		1,326
<b>EKPC Subtotals</b>	Month	389,600	0.02375	9,256
	YTD	1,168,200		27,754
<b>Totals</b>	Month	389,600	0.02375	9,256
	YTD	1,168,200		27,754

**EAST KENTUCKY POWER COOPERATIVE INC.**  
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2013

April

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	48,168	17,172,650	67.01	17,515	68.03	167,875	77.80	1,336,115
	YTD	222,825	96,043,305	63.56	-31,608	63.23	834,760	71.92	6,907,781
BLUE GRASS ENERGY	Month	214,750	92,500,644	63.26	94,348	64.28	854,459	73.52	6,800,575
	YTD	1,086,064	479,364,520	62.68	-146,302	62.38	4,110,338	70.95	34,011,854
CLARK ENERGY COOP	Month	78,473	29,774,726	66.79	30,371	67.81	290,153	77.56	2,309,313
	YTD	394,323	165,860,989	64.46	-54,371	64.14	1,461,909	72.95	12,099,766
CUMBERLAND VALLEY ELECTRIC	Month	84,178	34,000,093	65.18	34,681	66.20	323,432	75.71	2,574,156
	YTD	414,088	181,248,930	63.53	-56,935	63.21	1,574,583	71.90	13,031,992
FARMERS RECC	Month	71,683	35,682,943	61.40	36,398	62.42	320,079	71.39	2,547,486
	YTD	376,139	181,005,149	61.63	-54,174	61.34	1,526,737	69.77	12,628,765
FLEMING MASON RECC	Month	160,165	64,396,725	59.91	65,675	60.93	563,854	69.69	4,487,835
	YTD	699,994	302,895,091	59.29	-82,631	59.02	2,461,235	67.15	20,338,505
GRAYSON RECC	Month	47,039	18,207,168	65.83	18,533	66.85	174,900	76.45	1,392,024
	YTD	220,446	99,102,460	63.16	-31,671	62.84	856,003	71.48	7,083,731
INTER-COUNTY ECC	Month	79,826	30,696,469	65.13	31,067	66.14	291,750	75.64	2,322,017
	YTD	423,898	174,623,317	63.76	-57,993	63.43	1,521,388	72.14	12,596,974
JACKSON ENERGY COOP	Month	164,231	63,203,778	65.56	64,467	66.58	604,668	76.14	4,812,506
	YTD	828,271	354,248,033	63.54	-116,750	63.21	3,076,191	71.89	25,467,191
LICKING VALLEY RECC	Month	49,925	18,557,414	66.47	18,926	67.49	179,972	77.19	1,432,388
	YTD	226,861	100,868,640	63.29	-32,307	62.97	873,130	71.62	7,224,633
NOLIN RECC	Month	121,622	54,824,820	61.38	55,922	62.40	491,579	71.36	3,912,437
	YTD	627,522	281,261,690	61.53	-84,900	61.23	2,367,339	69.64	19,587,679
OWEN EC	Month	348,413	158,538,748	53.50	158,384	54.50	1,236,807	62.30	9,877,026
	YTD	1,544,804	757,060,746	53.84	-212,710	53.56	5,573,338	60.92	46,120,687
SALT RIVER RECC	Month	168,682	77,528,951	62.47	79,079	63.49	707,371	72.62	5,629,926
	YTD	839,313	392,578,711	62.03	-117,329	61.73	3,333,281	70.22	27,568,050
SHELBY ENERGY COOP	Month	73,892	34,599,496	60.96	35,293	61.98	308,181	70.89	2,452,798
	YTD	351,116	169,091,047	60.71	-48,160	60.42	1,405,534	68.74	11,622,588
SOUTH KENTUCKY RECC	Month	221,868	89,141,382	64.68	90,925	65.70	841,539	75.14	6,697,743
	YTD	1,168,352	484,520,940	63.82	-154,768	63.50	4,226,795	72.22	34,993,143
TAYLOR COUNTY RECC	Month	90,856	32,531,580	64.97	32,964	65.99	307,848	75.45	2,454,457
	YTD	455,039	173,531,447	63.98	-54,220	63.67	1,516,167	72.41	12,565,267
<b>CO-OP Subtotals</b>	Month	2,023,771	851,357,587	61.68	864,548	62.69	7,664,467	71.70	61,038,802
	YTD	9,879,055	4,393,305,015	61.11	-1,336,829	60.80	36,718,728	69.16	303,848,606

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**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**CO-OP Totals Billing Summary - CP Tariff**

2013

April

CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Inland Steam	Month	36,923	19,593,014	48.61	19,785	49.62	139,704	56.75	1,111,896
	YTD	164,619	90,503,303	49.33	-23,994	49.06	612,032	55.82	5,052,274
<b>Totals</b>	Month	2,060,694	870,950,601	61.38	884,333	62.40	7,804,171	71.36	62,150,698
	YTD	10,043,674	4,483,808,318	60.87	-1,360,823	60.57	37,330,760	68.89	308,900,880
Burnside	Month	180	48,801	74.26	50	75.29	528	86.10	4,202
	YTD	866	373,426	63.33	-148	62.93	3,220	71.55	26,720
East Ky Office	Month	1,013	526,630	60.17	537	61.19	4,630	69.98	36,855
	YTD	4,474	2,455,168	59.36	-655	59.09	19,967	67.23	165,050
Smith Contruction	Month	81	39,515	61.17	40	62.18	353	71.11	2,810
	YTD	412	194,405	61.72	-57	61.42	1,643	69.87	13,584
<b>EKPC Subtotals</b>	Month	1,274	614,946	61.35	627	62.37	5,511	71.33	43,867
	YTD	5,752	3,022,999	60.00	-860	59.72	24,830	67.93	205,354
<b>Totals</b>	Month	2,061,968	871,565,547	61.38	884,960	62.40	7,809,682	71.36	62,194,565
	YTD	10,049,426	4,486,831,317	60.87	-1,361,683	60.57	37,355,590	68.89	309,106,234

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

**April 2013**

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
	YTD	23,200		552
BLUE GRASS ENERGY	Month	22,300	0.02375	530
	YTD	89,300		2,122
CLARK ENERGY COOP	Month	2,400	0.02375	57
	YTD	9,600		228
CUMBERLAND VALLEY ELECTRIC	Month	2,300	0.02375	55
	YTD	9,400		224
FARMERS RECC	Month	1,900	0.02375	45
	YTD	7,600		180
FLEMING MASON RECC	Month	3,100	0.02375	74
	YTD	12,400		296
GRAYSON RECC	Month	7,400	0.02375	176
	YTD	29,600		704
INTER-COUNTY ECC	Month	5,400	0.02375	128
	YTD	21,900		521
JACKSON ENERGY COOP	Month	14,600	0.02375	347
	YTD	58,400		1,388
LICKING VALLEY RECC	Month	3,400	0.02375	81
	YTD	13,600		324
NOLIN RECC	Month	29,500	0.02375	701
	YTD	118,300		2,810
OWEN EC	Month	210,600	0.02375	5,002
	YTD	842,000		19,998
SALT RIVER RECC	Month	48,500	0.02375	1,152
	YTD	193,800		4,604
SHELBY ENERGY COOP	Month	13,500	0.02375	321
	YTD	54,000		1,284

**EAST KENTUCKY POWER COOPERATIVE INC.**  
**Wholesale Power Accounting**  
**Green Power Billing Summary**

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**April 2013**

CO-OP Name/EKPC		KWH	KWH Charge	Revenue
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	74,400		1,768
<b>EKPC Subtotals</b>	Month	389,300	0.02375	9,249
	YTD	1,557,500		37,003
<b>Totals</b>	Month	389,300	0.02375	9,249
	YTD	1,557,500		37,003



Company

EAST KENTUCKY POWER COOPERATIVE, INC.  
POWER TRANSACTION SCHEDULE

Month Ended NOVEMBER 2012

Billing Components

<u>Company Sales</u>	<u>Type of Transaction</u>	<u>KWH</u>	<u>Demand (\$)</u>	<u>Fuel Charges (\$)</u>	<u>Margin(+) or Loss (-)</u>	<u>Total Charges (\$)</u>
PJM	Non-Displacement	6,707,000		181,580	26,779	208,359
TOTAL		<u>6,707,000</u>	<u>0</u>	<u>181,580</u>	<u>26,779</u>	<u>208,359</u>



Company

EAST KENTUCKY POWER COOPERATIVE, INC.  
POWER TRANSACTION SCHEDULE

Month Ended

DECEMBER 2012

Billing Components

<u>Company Sales</u>	<u>Type of Transaction</u>	<u>KWH</u>	<u>Demand (\$)</u>	<u>Fuel Charges (\$)</u>	<u>Margin(+) or Loss (-)</u>	<u>Total Charges (\$)</u>
PJM	Non-Displacement	13,857,000		361,878	26,144	388,022
TOTAL		<u>13,857,000</u>	<u>0</u>	<u>361,878</u>	<u>26,144</u>	<u>388,022</u>



Company EAST KENTUCKY POWER COOPERATIVE, INC.  
POWER TRANSACTION SCHEDULE

Month Ended JANUARY 2013  
Revised 3/13/13

Billing Components

<u>Company Sales</u>	<u>Type of Transaction</u>	<u>KWH</u>	<u>Demand (\$)</u>	<u>Fuel Charges (\$)</u>	<u>Margin(+) or Loss (-)</u>	<u>Total Charges (\$)</u>
PJM	Non-Displacement	4,304,000		97,391	1,414	98,805
TOTAL		<u>4,304,000</u>	<u>0</u>	<u>97,391</u>	<u>1,414</u>	<u>98,805</u>



Company EAST KENTUCKY POWER COOPERATIVE, INC.  
POWER TRANSACTION SCHEDULE

Month Ended FEBRUARY 2013

Billing Components

<u>Company Sales</u>	<u>Type of Transaction</u>	<u>KWH</u>	<u>Demand (\$)</u>	<u>Fuel Charges (\$)</u>	<u>Margin(+) or Loss (-)</u>	<u>Total Charges (\$)</u>
PJM	Non-Displacement	1,463,000		37,517	6,449	43,966
TOTAL		<u>1,463,000</u>	<u>0</u>	<u>37,517</u>	<u>6,449</u>	<u>43,966</u>



Company EAST KENTUCKY POWER COOPERATIVE, INC.  
POWER TRANSACTION SCHEDULE

Month Ended MARCH 2013

Billing Components

<u>Company Sales</u>	<u>Type of Transaction</u>	<u>KWH</u>	<u>Demand (\$)</u>	<u>Fuel Charges (\$)</u>	<u>Margin(+) or Loss (-)</u>	<u>Total Charges (\$)</u>
PJM	Non-Displacement	11,001,000		379,391	75,449	454,840
TOTAL		<u>11,001,000</u>	<u>0</u>	<u>379,391</u>	<u>75,449</u>	<u>454,840</u>



Company

EAST KENTUCKY POWER COOPERATIVE, INC.  
POWER TRANSACTION SCHEDULE

Month Ended APRIL 2013

Billing Components

<u>Company Sales</u>	<u>Type of Transaction</u>	<u>KWH</u>	<u>Demand (\$)</u>	<u>Fuel Charges (\$)</u>	<u>Margin(+) or Loss (-)</u>	<u>Total Charges (\$)</u>
PJM	Non-Displacement	11,001,000		358,291	96,549	454,840
TOTAL		<u>11,001,000</u>	<u>0</u>	<u>358,291</u>	<u>96,549</u>	<u>454,840</u>



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262**  
**FUEL ADJUSTMENT CLAUSE**  
**RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13**  
**REQUEST 7**

**RESPONSIBLE PARTY:            Craig A. Johnson**

**Request 7.**            List East Kentucky's scheduled, actual, and forced outages from November 1, 2012 through April 30, 2013.

**Response 7.**            See attached pages 2 through 45 of this response.



**Production Management Reporting System**

**Appendix B**

**From: Nov. 1, 2013 thru April 30, 2013**

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**Dale Power Station**

**Unit 003**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Forced	Maintenance	28	35	WATER WALL TUBE LEAK.
04/29/2013	1547	0.0	Forced	Maintenance	4	36	3B ID DUCTWORK SPLIT.



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Cooper Power Station

Unit 001

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
03/08/2013	1430	0.0	Scheduled	Maintenance	65	8	REMOVAL OF LOW LAKE LEVEL BARGE PIPING.
03/17/2013	1922	0.0	Forced	Maintenance	22	35	STEAM LEAK ON #5 FEEDWATER HEATER PRIMARY DRAIN.
04/18/2013	2118	0.0	Forced	Maintenance	7	12	TRIPPED ON HIGH VACUUM.



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Cooper Power Station

Unit 002

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/12/2012	0752	0.0	Forced	Maintenance	5	19	STEAM TURBINE LEFT INTERCEPT VALVE WOULD NOT REOPEN AFTER VALVE TEST RUN.
11/23/2012	1512	0.0	Scheduled	Maintenance	3	5	RESET BRIDGE CORE PROCESSOR FOR SCRUBBER OPERATION.
11/23/2012	2006	0.0	Forced	Maintenance	7	19	HIGH VIBRATION ON #4 TURBINE BEARING.
12/01/2012	0048	0.0	Scheduled	Maintenance	82	48	HIGH RESISTANCE GROUND REPAIR.
12/18/2012	1013	0.0	Forced	Maintenance	6	12	PLUGGED TRANSPORT LINE ON 2A PULVERIZER.
01/22/2013	0016	0.0	Forced	Maintenance	91	33	SUBMERGE CHAIN FAILURE.
03/09/2013	1059	0.0	Forced	Maintenance	74	35	BOILER TUBE LEAK IN REHEAT SECTION.
04/08/2013	2315	0.0	Forced	Maintenance	15	42	EXTRACTION LINE STEAM LEAK.
04/17/2013	0619	0.0	Forced	Maintenance	22	1	SUBMERGED CHAIN MECHANICAL FAILURE.
04/18/2013	0900	0.0	Scheduled	Maintenance	303	0	SPRING OUTAGE.



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Spurlock Power Station

Unit 001

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/10/2012	2059	0.0	Forced	Maintenance	2	4	LOW DRUM LEVEL.
11/14/2012	1134	0.0	Forced	Maintenance	1	5	HIGH DRUM LEVEL.
03/29/2013	1751	0.0	Scheduled	Maintenance	54	9	MAJOR TURBINE OVERHAUL.
04/01/2013	0000	0.0	Scheduled	Maintenance	720	0	MAJOR TURBINE OVERHAUL.

Production Management Reporting System



East Kentucky Power

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Spurlock Power Station

Unit 002

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Scheduled	Maintenance	196	33	FALL OUTAGE.
11/09/2012	0458	0.0	Forced	Maintenance	28	54	HIGH TURBINE VIBRATION.
11/10/2012	0954	0.0	Forced	Maintenance	6	48	HIGH TURBINE VIBRATION.
11/14/2012	1127	0.0	Forced	Maintenance	3	30	LOW PRIMARY AIR PRESSURE.
11/14/2012	1500	0.0	Forced	Maintenance	2	34	HIGH TURBINE VIBRATION.
11/16/2012	1931	0.0	Forced	Maintenance	4	45	PROBLEM WITH TURBINE VALVE CONTROLS.
11/23/2012	0645	0.0	Forced	Maintenance	1	31	PRIMARY AIR TRANSMITTER FAILURE.
12/20/2012	1643	0.0	Forced	Maintenance	1	24	LOSS OF DC POWER.
01/31/2013	0059	0.0	Forced	Maintenance	23	1	WATER WALL TUBE LEAK.
02/01/2013	0000	0.0	Forced	Maintenance	0	24	WATER WALL TUBE LEAK.
02/01/2013	0101	0.0	Forced	Maintenance	0	46	PRIMARY AIR TO FURNACE PRESSURE DIFFERENTIAL TRIP.
02/06/2013	1124	0.0	Scheduled	Maintenance	137	11	TURBINE SCREEN OUTAGE.
02/12/2013	0645	0.0	Forced	Maintenance	1	16	MANUAL DISC 2140 SWITCH NOT OPERABLE.
03/11/2013	1558	0.0	Forced	Maintenance	1	18	2B ID FAN LOSS OF OIL.
03/11/2013	1835	0.0	Forced	Maintenance	17	48	2C MILL PA DUCT FAILURE.
03/16/2013	0939	0.0	Scheduled	Maintenance	12	47	C3 BURNER REPAIR.
04/14/2013	1415	0.0	Scheduled	Maintenance	69	40	2A ID FAN HYDRAULIC HOSE.

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**Spurlock Power Station****Unit 003**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/05/2012	0300	0.0	Forced	Maintenance	4	11	LOSS OF BED MATERIAL.
11/11/2012	1625	0.0	Scheduled	Maintenance	171	5	J-DUCT REPAIR.
12/12/2012	0537	0.0	Forced	Maintenance	0	42	LOSS OF BED MATERIAL.
12/20/2012	0221	0.0	Forced	Maintenance	84	39	ASH CIRCULATION PROBLEMS.
03/01/2013	1534	0.0	Scheduled	Maintenance	644	26	PLANNED SPRING OUTAGE.
03/30/2013	0001	0.0	Forced	Maintenance	18	39	REHEAT STEAM LEAK.
03/30/2013	1841	0.0	Forced	Maintenance	0	8	TURBINE BYPASS SYSTEM ERROR.
04/21/2013	1103	0.0	Forced	Maintenance	4	0	LOSS OF BED MATERIAL.
04/27/2013	2346	0.0	Scheduled	Maintenance	72	14	REPLACE BED NOZZLES.

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East Kentucky Power

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Spurlock Power Station

Unit 004

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Scheduled	Maintenance	209	17	SCHEDULED FALL OUTAGE.
01/10/2013	0934	0.0	Scheduled	Maintenance	54	26	TURBINE SCREEN OUTAGE.
01/14/2013	0741	0.0	Forced	Maintenance	0	9	TUBINE BYPASS SYSTEM ERROR.
01/14/2013	0752	0.0	Forced	Maintenance	0	3	TURBINE BYPASS SYSTEM ERROR.
02/21/2013	1344	0.0	Scheduled	Maintenance	55	16	AIR HEATER REPAIRS.
04/05/2013	0637	0.0	Forced	Maintenance	55	23	AIR HEATER REGENERATIVE COLD END BASKETS SLIPPING DOWN.
04/07/2013	1400	0.0	Scheduled	Maintenance	562	0	AIR HEATER REGENERATIVE DIAPHRAMS REPAIRS.



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J.K. Smith

**Unit 001**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/28/2012	0930	0.0	Scheduled	Maintenance	9	45	GT BORESCOPE INSPECTION-THIRD STAGE TURBINE BLADE(EDDY CURRENT TESTING).



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J.K. Smith

**Unit 002**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/29/2012	0755	0.0	Scheduled	Maintenance	8	20	GT BORESCOPE INSPECTION-THIRD STAGE TURBINE BLADE(EDDY CURRENT TESTING).
01/22/2013	0444	0.0	Forced	Failed Start	6	9	AUTOMATIC VOLTAGE REGULATOR FUSE BLOWN ON POTENTIAL TRANSFORMER.



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J.K. Smith

**Unit 003**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Forced	Maintenance	720	0	THIRD STAGE TURBINE BLADE FAILURE.
12/01/2012	0000	0.0	Forced	Maintenance	744	0	THIRD STAGE TURBINE BLADE FAILURE.
01/01/2013	0000	0.0	Forced	Maintenance	744	0	THIRD STAGE TURBINE BLADE FAILURE.
02/01/2013	0000	0.0	Forced	Maintenance	546	48	THIRD STAGE TURBINE BLADE FAILURE.
03/11/2013	1912	0.0	Forced	Failed Start	1	37	THREE WAY SWITCH FAILED ON GENERATOR BREAKER.
04/29/2013	1233	0.0	Forced	Maintenance	20	12	NO. 1 BEARING VIBRATION.



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Unit 004

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/12/2012	1122	0.0	Forced	Maintenance	52	8	EX2000 FAILURE.
11/29/2012	0739	0.0	Forced	Maintenance	3	53	AUXILIARY HYDRAULIC SUPPLY PUMP.



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J.K. Smith

**Unit 005**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Scheduled	Maintenance	30	10	COMBUSTOR INSPECTION.
11/02/2012	0645	0.0	Scheduled	Maintenance	2	49	TUNING THE GAS TURBINE.
11/02/2012	1046	0.0	Scheduled	Maintenance	1	26	TUNING THE GAS TURBINE.
11/30/2012	0830	0.0	Scheduled	Maintenance	7	30	REPLACE LOWER BLEED VALVE.
04/20/2013	0640	0.0	Forced	Failed Start	0	35	STARTING DEVICE FAILED.



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J.K. Smith

Unit 006

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
01/22/2013	0309	0.0	Forced	Failed Start	0	49	ATOMIZED AIR BOOSTER MOTOR TRIPPED.
01/28/2013	0700	0.0	Scheduled	Maintenance	89	0	COMBUSTION INSPECTION.
02/01/2013	0000	0.0	Scheduled	Maintenance	326	22	COMBUSTION INSPECTION.
02/14/2013	1500	0.0	Scheduled	Maintenance	1	39	COMBUSTION INSPECTION.
02/14/2013	1826	0.0	Forced	Maintenance	166	9	PRIMARY FUEL NOZZLE ISSUES.
03/08/2013	0627	0.0	Forced	Failed Start	4	9	PURGE VALVE FAILED TO CLOSE.
03/11/2013	1220	0.0	Forced	Maintenance	6	26	59BN RELAY PICKED UP.



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J.K. Smith

Unit 007

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
01/22/2013	0308	0.0	Forced	Failed Start	6	3	GAS VENT VALVE FAILURE.
02/02/2013	0139	0.0	Forced	Failed Start	4	20	GAS SERVO VALVE FAILED.
02/02/2013	0628	0.0	Forced	Maintenance	6	37	GAS SERVO VALVE FAILED.
04/22/2013	0700	0.0	Scheduled	Maintenance	209	0	COMBUSTION INSPECTION.



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J.K. Smith

Unit 009

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/15/2012	0744	0.0	Forced	Maintenance	11	46	VARIABLE STATOR VANE ACCUMULATOR LEAK.
11/17/2012	0812	0.0	Forced	Maintenance	11	8	J3 AIR COMPARTMENT OIL LEAK.
11/29/2012	0634	0.0	Forced	Maintenance	1	6	ANTI-ICING VALVE.
01/23/2013	0610	0.0	Forced	Maintenance	8	34	NOX CONTROL VALVE FAILED.
01/23/2013	1657	0.0	Forced	Maintenance	0	51	WATER INJECTION LEAK.
02/17/2013	0750	0.0	Forced	Failed Start	1	26	LUBE OIL PUMP MOTOR ON GAS COMPRESSOR FAILED.
03/29/2013	0853	0.0	Forced	Maintenance	3	7	VARIABLE BLEED VALVE FAILED.
04/12/2013	0700	0.0	Scheduled	Maintenance	8	0	COMPRESSOR WASH.
04/23/2013	1907	0.0	Forced	Maintenance	4	46	LOSS OF INSTRUMENT AIR.



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J.K. Smith

Unit 010

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/12/2012	0700	0.0	Scheduled	Maintenance	146	1	SERVICE BULLETIN UPDATES.
11/30/2012	0839	0.0	Scheduled	Maintenance	7	36	WATER WASH.
12/13/2012	0454	0.0	Forced	Maintenance	1	22	NOX PUMP NOT STARTING.
02/08/2013	0601	0.0	Forced	Maintenance	0	58	CO RUNNING HIGH, TOOK UNIT OFF TO AVOID EXCEEDANCE.
02/17/2013	0753	0.0	Forced	Maintenance	4	13	WATER INJECTION LEAK IN ENGINE COMPARTMENT.
03/25/2013	1220	0.0	Forced	Maintenance	31	50	SEALS FAILED IN #2 COOLING WATER PUMP.
04/13/2013	0700	0.0	Scheduled	Maintenance	8	0	COMPRESSOR WASH.
04/15/2013	1241	0.0	Forced	Maintenance	371	19	GT COMPRESSOR HIGH PRESSURE BLADES/BUCKETS-BLADE DAMAGE.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Forced	Fuel Outage	465	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/09/2012	1335	0.0	Forced	Maintenance	4	26	ENGINE SHUTDOWN DUE TO DETONATION.
12/09/2012	1801	0.0	Forced	Fuel Outage	19	28	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/12/2012	0903	0.0	Forced	Fuel Outage	26	5	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/13/2012	1120	0.0	Scheduled	Maintenance	0	15	TROUBLESHOOT ENGINE PROBLEMS.
12/17/2012	0300	0.0	Forced	Maintenance	29	43	ENGINE SHUTDOWN DUE TO DETONATION.
12/24/2012	1244	0.0	Forced	Maintenance	8	10	ENGINE SHUTDOWN DUE TO DETONATION.
12/27/2012	0835	0.0	Forced	Fuel Outage	111	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/01/2013	0000	0.0	Forced	Fuel Outage	37	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/03/2013	0903	0.0	Forced	Fuel Outage	123	22	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/22/2013	1144	0.0	Forced	Fuel Outage	106	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/27/2013	2126	0.0	Forced	Maintenance	1	37	ENGINE SHUTDOWN DUE TO DETONATION.
01/28/2013	0155	0.0	Forced	Fuel Outage	31	48	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/01/2013	1029	0.0	Forced	Fuel Outage	99	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/04/2013	2131	0.0	Forced	Maintenance	0	20	ENGINE SHUTDOWN DUE TO DETONATION.
03/14/2013	1720	0.0	Forced	Maintenance	1	57	ENGINE SHUTDOWN DUE TO DETONATION.
03/17/2013	2108	0.0	Forced	Maintenance	2	7	ENGINE SHUTDOWN DUE TO DETONATION.
03/18/2013	1248	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
03/26/2013	1000	0.0	Forced	Fuel Outage	134	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/01/2013	0000	0.0	Forced	Fuel Outage	32	15	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/04/2013	1027	0.0	Forced	Fuel Outage	478	47	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/24/2013	1250	0.0	Forced	Fuel Outage	0	49	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/24/2013	1717	0.0	Forced	Fuel Outage	18	17	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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Unit 002

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/20/2012	0900	0.0	Forced	Fuel Outage	175	24	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/13/2012	1136	0.0	Forced	Fuel Outage	310	6	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/08/2013	1128	0.0	Forced	Maintenance	0	57	ENGINE SHUTDOWN DUE TO DETONATION.
01/08/2013	1225	0.0	Forced	Fuel Outage	142	8	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/14/2013	1512	0.0	Forced	Fuel Outage	18	43	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/26/2013	1759	0.0	Forced	Maintenance	3	32	FUEL COMPRESSOR MALFUNCTION.
01/27/2013	2136	0.0	Forced	Maintenance	1	24	ENGINE SHUTDOWN DUE TO DETONATION.
01/29/2013	1028	0.0	Scheduled	Maintenance	1	30	GENERATOR MAINTENANCE.
02/05/2013	1406	0.0	Forced	Fuel Outage	42	58	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/12/2013	1112	0.0	Scheduled	Maintenance	0	56	TROUBLESHOOT AND REPAIR COLD CYLINDERS.
02/14/2013	0957	0.0	Scheduled	Maintenance	1	43	GENERATOR MAINTENANCE.
03/04/2013	0901	0.0	Forced	Fuel Outage	14	20	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/06/2013	0811	0.0	Forced	Fuel Outage	28	16	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/14/2013	1720	0.0	Forced	Maintenance	1	57	ENGINE SHUTDOWN DUE TO DETONATION.
03/17/2013	2108	0.0	Forced	Maintenance	2	7	ENGINE SHUTDOWN DUE TO DETONATION.
03/18/2013	0838	0.0	Forced	Fuel Outage	193	22	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/29/2013	1042	0.0	Forced	Fuel Outage	1	18	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/01/2013	1046	0.0	Forced	Fuel Outage	3	29	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/09/2013	1800	0.0	Forced	Maintenance	4	45	GENERATOR MAINTENANCE.
04/17/2013	0913	0.0	Forced	Fuel Outage	0	19	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/17/2013	1034	0.0	Forced	Fuel Outage	0	54	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/24/2013	1250	0.0	Forced	Fuel Outage	155	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/26/2012	1618	0.0	Forced	Maintenance	16	36	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	1546	0.0	Forced	Fuel Outage	80	14	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/01/2012	0000	0.0	Forced	Fuel Outage	210	1	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/10/2012	1330	0.0	Forced	Fuel Outage	19	21	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/08/2013	1128	0.0	Forced	Maintenance	0	57	ENGINE SHUTDOWN DUE TO DETONATION.
01/22/2013	0818	0.0	Scheduled	Maintenance	3	19	GENERATOR MAINTENANCE.
01/26/2013	1759	0.0	Forced	Maintenance	3	45	FUEL COMPRESSOR MALFUNCTION.
01/26/2013	2144	0.0	Forced	Fuel Outage	28	11	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/04/2013	2131	0.0	Forced	Maintenance	1	50	ENGINE SHUTDOWN DUE TO DETONATION.
03/04/2013	2321	0.0	Forced	Fuel Outage	14	17	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/07/2013	1230	0.0	Forced	Fuel Outage	250	5	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/18/2013	1005	0.0	Scheduled	Maintenance	0	9	TROUBLESHOOT AND REPAIR ENGINE MISFIRE.
03/18/2013	1249	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
03/29/2013	1042	0.0	Forced	Fuel Outage	1	18	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/01/2013	1046	0.0	Forced	Fuel Outage	3	29	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/01/2013	2100	0.0	Forced	Maintenance	11	15	GENERATOR MAINTENANCE.
04/02/2013	0815	0.0	Forced	Fuel Outage	50	7	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/09/2013	1800	0.0	Forced	Maintenance	4	45	GENERATOR MAINTENANCE.
04/17/2013	0913	0.0	Forced	Fuel Outage	0	19	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/17/2013	1034	0.0	Forced	Fuel Outage	0	54	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/24/2013	1250	0.0	Forced	Fuel Outage	0	49	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/24/2013	1717	0.0	Forced	Fuel Outage	18	17	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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					Hours	Minutes	
11/05/2012	1412	0.0	Forced	Maintenance	0	53	ENGINE SHUTDOWN DUE TO DETONATION.
11/12/2012	0854	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
11/13/2012	0854	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
11/18/2012	2108	0.0	Forced	Maintenance	10	23	CYLINDER HEAD FAILURE.
11/22/2012	1447	0.0	Forced	Maintenance	0	31	ENGINE SHUTDOWN DUE TO DETONATION.
11/22/2012	2025	0.0	Forced	Maintenance	0	34	ENGINE SHUTDOWN DUE TO DETONATION.
11/24/2012	0318	0.0	Forced	Maintenance	0	57	ENGINE SHUTDOWN DUE TO DETONATION.
11/24/2012	0420	0.0	Forced	Maintenance	0	14	ENGINE SHUTDOWN DUE TO DETONATION.
11/24/2012	1601	0.0	Forced	Maintenance	0	53	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	1245	0.0	Forced	Maintenance	1	56	CYLINDER HEAD FAILURE.
11/29/2012	1236	0.0	Forced	Maintenance	0	17	ENGINE SHUTDOWN DUE TO DETONATION.
11/30/2012	1312	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/04/2012	1130	0.0	Scheduled	Maintenance	2	52	GENERATOR MAINTENANCE.
12/04/2012	1444	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/05/2012	1325	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
12/05/2012	1602	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
12/05/2012	1619	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/05/2012	1820	0.0	Forced	Maintenance	164	42	FUEL OUTAGE.
12/12/2012	1512	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/12/2012	2254	0.0	Forced	Maintenance	8	59	ENGINE SHUTDOWN DUE TO DETONATION.
12/18/2012	2238	0.0	Forced	Maintenance	0	32	ENGINE SHUTDOWN DUE TO DETONATION.
12/30/2012	1514	0.0	Forced	Maintenance	0	35	ENGINE SHUTDOWN DUE TO DETONATION.
01/02/2013	0923	0.0	Forced	Maintenance	1	34	TURBO REPLACEMENT.
01/08/2013	1428	0.0	Forced	Maintenance	0	23	ENGINE SHUTDOWN DUE TO DETONATION.
01/08/2013	1454	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
01/11/2013	0936	0.0	Forced	Maintenance	0	54	CYLINDER HEAD FAILURE.
01/11/2013	1053	0.0	Forced	Maintenance	1	27	LOW COOLANT.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
01/11/2013	1241	0.0	Forced	Maintenance	0	20	LOW COOLANT.
01/11/2013	1320	0.0	Forced	Maintenance	0	40	LOW COOLANT.
01/11/2013	1450	0.0	Forced	Maintenance	0	13	LOW COOLANT.
01/11/2013	1530	0.0	Forced	Maintenance	4	40	LOW COOLANT.
01/11/2013	2029	0.0	Forced	Maintenance	0	51	COOLER LEAK.
01/11/2013	2133	0.0	Forced	Maintenance	41	26	TURBO EXHAUST HOUSING LEAKING COOLANT.
01/15/2013	0917	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
01/15/2013	0922	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
01/15/2013	1352	0.0	Forced	Maintenance	2	16	CYLINDER HEAD FAILURE.
01/17/2013	1523	0.0	Forced	Maintenance	1	12	FUEL SKID MAINTENANCE.
01/17/2013	1749	0.0	Forced	Maintenance	2	29	FUEL SKID MAINTENANCE.
01/18/2013	0816	0.0	Forced	Maintenance	2	35	FUEL SKID MAINTENANCE.
01/24/2013	1155	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
01/28/2013	0554	0.0	Forced	Maintenance	0	53	ENGINE SHUTDOWN DUE TO DETONATION.
01/29/2013	0730	0.0	Scheduled	Maintenance	6	58	GENERATOR MAINTENANCE.
01/29/2013	1500	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
02/11/2013	1407	0.0	Scheduled	Maintenance	0	17	GENERATOR MAINTENANCE.
02/13/2013	1036	0.0	Scheduled	Maintenance	0	5	GENERATOR MAINTENANCE.
02/13/2013	1411	0.0	Forced	Maintenance	1	34	CYLINDER HEAD FAILURE.
02/21/2013	0030	0.0	Forced	Maintenance	39	30	ENGINE SHUTDOWN DUE TO DETONATION.
03/05/2013	1029	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
03/05/2013	1335	0.0	Forced	Maintenance	0	25	GENERATOR MAINTENANCE.
03/06/2013	0216	0.0	Forced	Maintenance	0	34	ENGINE SHUTDOWN DUE TO DETONATION.
03/10/2013	1204	0.0	Forced	Maintenance	0	33	ENGINE SHUTDOWN DUE TO DETONATION.
03/12/2013	0113	0.0	Forced	Maintenance	0	42	ENGINE SHUTDOWN DUE TO DETONATION.
03/12/2013	0527	0.0	Forced	Maintenance	0	51	ENGINE SHUTDOWN DUE TO DETONATION.
03/12/2013	1115	0.0	Scheduled	Maintenance	5	18	GENERATOR MAINTENANCE.
03/13/2013	1945	0.0	Forced	Maintenance	0	26	UNIT 4 GENERATOR BREAKER FAILURE.
03/25/2013	0830	0.0	Scheduled	Maintenance	0	14	REPLACE OIL LINE.
04/06/2013	1252	0.0	Forced	Maintenance	1	0	REPAIR ENGINE, DETONATION SHUTDOWN AND ADJUST FUEL SYSTEM.
04/08/2013	1125	0.0	Forced	Maintenance	0	9	REPAIR ENGINE, DETONATION SHUTDOWN AND ADJUST FUEL SYSTEM.



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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
04/13/2013	0256	0.0	Forced	Maintenance	0	53	REPAIR ENGINE, DETONATION SHUTDOWN AND ADJUST FUEL SYSTEM.
04/13/2013	0408	0.0	Forced	Maintenance	0	2	REPAIR ENGINE, DETONATION SHUTDOWN AND ADJUST FUEL SYSTEM.
04/13/2013	0417	0.0	Forced	Maintenance	2	46	REPAIR ENGINE AND REPLACE CYLINDER HEAD #5.
04/23/2013	1005	0.0	Scheduled	Maintenance	3	44	GENERATOR MAINTENANCE.
04/23/2013	1457	0.0	Scheduled	Maintenance	0	6	GENERATOR MAINTENANCE.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/02/2012	0725	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
11/15/2012	0739	0.0	Forced	Maintenance	0	34	LOSS OF FIELD.
11/15/2012	0814	0.0	Forced	Maintenance	0	50	LOSS OF FIELD.
11/16/2012	0635	0.0	Forced	Maintenance	0	40	ENGINE SHUTDOWN DUE TO DETONATION.
11/20/2012	1225	0.0	Scheduled	Maintenance	3	13	ENGINE MAINTENANCE.
12/05/2012	1618	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	0600	0.0	Forced	Maintenance	0	28	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	0631	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	0657	0.0	Forced	Maintenance	0	14	ENGINE SHUTDOWN DUE TO DETONATION.
12/12/2012	0521	0.0	Forced	Maintenance	2	48	ENGINE SHUTDOWN DUE TO DETONATION.
12/18/2012	2241	0.0	Forced	Maintenance	0	31	ENGINE SHUTDOWN DUE TO DETONATION.
12/30/2012	1514	0.0	Forced	Maintenance	0	38	ENGINE SHUTDOWN DUE TO DETONATION.
01/03/2013	1300	0.0	Scheduled	Maintenance	2	6	ENGINE MAINTENANCE.
01/07/2013	1410	0.0	Forced	Maintenance	0	13	ENGINE MAINTENANCE.
01/17/2013	1526	0.0	Forced	Maintenance	1	27	WATER IN FUEL SKID.
01/17/2013	1749	0.0	Forced	Maintenance	2	31	WATER IN FUEL SKID.
01/18/2013	0816	0.0	Forced	Maintenance	2	40	WATER IN FUEL SKID.
01/29/2013	0730	0.0	Forced	Maintenance	0	12	ENGINE SHUTDOWN DUE TO DETONATION.
02/15/2013	0910	0.0	Scheduled	Maintenance	2	25	ENGINE MAINTENANCE.
02/22/2013	0025	0.0	Forced	Maintenance	1	2	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/25/2013	0430	0.0	Forced	Maintenance	3	41	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/12/2013	0101	0.0	Forced	Maintenance	0	52	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/12/2013	0541	0.0	Forced	Maintenance	2	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/13/2013	1945	0.0	Forced	Maintenance	0	33	UNIT 4 GENERATOR BREAKER FAILURE.
04/05/2013	1217	0.0	Scheduled	Maintenance	2	44	ENGINE MAINTENANCE.
04/05/2013	1510	0.0	Scheduled	Maintenance	0	17	REPAIR ENGINE, REPLACE LEAKING OIL LINE.
04/11/2013	1030	0.0	Scheduled	Maintenance	0	14	REPAIR ENGINE, REPLACE SPARK PLUG.
04/12/2013	0720	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
04/12/2013	0734	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
04/13/2013	0248	0.0	Forced	Maintenance	0	55	ENGINE SHUTDOWN DUE TO DETONATION.
04/27/2013	0500	0.0	Forced	Maintenance	6	32	REPAIR ENGINE, REPLACE #5 CYLINDER HEAD.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Scheduled	Maintenance	443	19	ENGINE MAINTENANCE.
11/21/2012	1002	0.0	Scheduled	Maintenance	1	1	REPAIR WIRING IN CONTROL PANEL.
11/21/2012	1122	0.0	Scheduled	Maintenance	1	23	REPAIR WIRING IN CONTROL PANEL.
11/22/2012	0930	0.0	Forced	Maintenance	99	25	WATER PUMP LEAK.
11/26/2012	1301	0.0	Forced	Maintenance	0	12	ENGINE SHUTDOWN DUE TO DETONATION.
01/13/2013	1225	0.0	Forced	Maintenance	1	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/17/2013	1526	0.0	Forced	Maintenance	1	15	WATER IN FUEL SKID.
01/17/2013	1749	0.0	Forced	Maintenance	2	34	WATER IN FUEL SKID.
01/18/2013	0816	0.0	Forced	Maintenance	2	44	WATER IN FUEL SKID.
02/07/2013	1242	0.0	Scheduled	Maintenance	0	22	REPLACE LOAD CONTROL SENSOR.
02/20/2013	1215	0.0	Scheduled	Maintenance	2	9	ENGINE MAINTENANCE.
02/25/2013	0705	0.0	Forced	Maintenance	1	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/13/2013	1945	0.0	Forced	Maintenance	0	30	UNIT 4 GENERATOR BREAKER FAILURE.
03/29/2013	0800	0.0	Forced	Maintenance	7	32	CYLINDER HEAD FAILURE.
03/30/2013	0932	0.0	Forced	Maintenance	1	39	CYLINDER HEAD FAILURE.
04/04/2013	1350	0.0	Scheduled	Maintenance	1	56	ENGINE MAINTENANCE.
04/05/2013	1325	0.0	Forced	Maintenance	0	11	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/11/2013	1100	0.0	Scheduled	Maintenance	0	14	ENGINE MAINTENANCE.
04/12/2013	1339	0.0	Forced	Maintenance	116	53	GENERATOR MAINTENANCE.
04/17/2013	1035	0.0	Scheduled	Maintenance	0	33	GENERATOR MAINTENANCE.
04/17/2013	1109	0.0	Scheduled	Maintenance	0	21	GENERATOR MAINTENANCE.

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Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/14/2012	0945	0.0	Scheduled	Maintenance	2	16	ENGINE MAINTENANCE.
11/16/2012	0634	0.0	Forced	Maintenance	0	23	PHASE OVER CURRENT.
11/17/2012	0749	0.0	Forced	Maintenance	1	7	LOSS OF FIELD.
11/17/2012	0903	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
11/18/2012	0751	0.0	Forced	Maintenance	1	8	LOSS OF FIELD.
11/18/2012	0905	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
11/24/2012	1943	0.0	Forced	Maintenance	0	49	LOSS OF FIELD.
11/29/2012	0256	0.0	Forced	Maintenance	0	38	ENGINE SHUTDOWN DUE TO DETONATION.
11/29/2012	0403	0.0	Forced	Maintenance	0	25	ENGINE SHUTDOWN DUE TO DETONATION.
11/29/2012	0437	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
11/29/2012	0614	0.0	Forced	Maintenance	0	49	ENGINE SHUTDOWN DUE TO DETONATION.
11/29/2012	1015	0.0	Forced	Maintenance	2	11	CYLINDER HEAD FAILURE.
12/11/2012	0439	0.0	Forced	Maintenance	1	49	LOSS OF FIELD.
12/11/2012	1000	0.0	Forced	Maintenance	2	40	LOSS OF FIELD.
12/12/2012	0717	0.0	Forced	Maintenance	0	54	LOSS OF FIELD.
12/12/2012	0815	0.0	Forced	Maintenance	2	55	LOSS OF FIELD.
12/12/2012	1505	0.0	Forced	Fuel Outage	329	56	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/01/2013	1427	0.0	Forced	Maintenance	0	34	ENGINE SHUTDOWN DUE TO DETONATION.
01/06/2013	1111	0.0	Forced	Maintenance	26	20	PHASE OVER CURRENT.
01/07/2013	1429	0.0	Forced	Maintenance	2	10	TURBO REPLACEMENT.
01/07/2013	1651	0.0	Forced	Maintenance	0	1	ENGINE SHUTDOWN DUE TO DETONATION.
01/13/2013	1225	0.0	Forced	Maintenance	1	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/15/2013	0900	0.0	Scheduled	Maintenance	4	3	ENGINE MAINTENANCE.
01/17/2013	1526	0.0	Forced	Maintenance	1	19	WATER IN FUEL SKID.
01/17/2013	1749	0.0	Forced	Maintenance	2	34	WATER IN FUEL SKID.
01/18/2013	0816	0.0	Forced	Maintenance	2	59	WATER IN FUEL SKID.
01/22/2013	1120	0.0	Forced	Maintenance	0	14	LOSS OF FIELD.
01/24/2013	1158	0.0	Forced	Maintenance	0	7	LOSS OF FIELD.
02/21/2013	2352	0.0	Forced	Maintenance	16	17	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/24/2013	2340	0.0	Forced	Maintenance	8	34	LOSS OF FIELD.
02/27/2013	0053	0.0	Forced	Maintenance	25	19	LOSS OF FIELD.
02/28/2013	1100	0.0	Scheduled	Maintenance	4	20	ENGINE MAINTENANCE.
03/01/2013	1412	0.0	Forced	Maintenance	0	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.

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Laurel Ridge Landfill

Unit 004

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
03/06/2013	0102	0.0	Forced	Maintenance	1	44	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/13/2013	1855	0.0	Forced	Maintenance	16	8	SWITCH GEAR FAILURE.
03/14/2013	1115	0.0	Forced	Maintenance	0	42	SWITCH GEAR FAILURE.
03/14/2013	1159	0.0	Forced	Maintenance	0	4	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/17/2013	2134	0.0	Forced	Maintenance	0	49	PROTECTIVE RELAY FAULT.
03/18/2013	0146	0.0	Forced	Maintenance	0	43	PROTECTIVE RELAY FAULT.
03/19/2013	1000	0.0	Forced	Maintenance	1	40	TURBO FAILURE.
04/12/2013	0719	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
04/13/2013	0247	0.0	Forced	Maintenance	0	54	ENGINE SHUTDOWN DUE TO DETONATION.

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**Unit 001**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/05/2012	0927	0.0	Forced	Maintenance	3	2	GENERATOR PROTECTIVE RELAY FAULT.
11/24/2012	1025	0.0	Forced	Maintenance	4	21	ENGINE SHUTDOWN DUE TO DETONATION.
12/04/2012	0744	0.0	Scheduled	Maintenance	4	48	PLANT METER CALIBRATION.
12/08/2012	0913	0.0	Forced	Maintenance	5	9	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	0915	0.0	Scheduled	Maintenance	2	56	REPLACE BELTS ON FUEL SKID MOTOR.
12/13/2012	0933	0.0	Scheduled	Maintenance	2	45	GENERATOR MAINTENANCE.
12/25/2012	2237	0.0	Forced	Maintenance	1	37	ENGINE SHUTDOWN DUE TO DETONATION.
12/28/2012	1452	0.0	Forced	Maintenance	0	53	ENGINE SHUTDOWN DUE TO DETONATION.
12/29/2012	1012	0.0	Forced	Maintenance	3	28	UTILITY BREAKER 52U OPERATION.
01/02/2013	0836	0.0	Forced	Maintenance	0	6	ENGINE SHUTDOWN DUE TO DETONATION.
01/04/2013	0938	0.0	Scheduled	Maintenance	3	46	CYLINDER HEAD REPLACEMENT.
01/10/2013	0830	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/14/2013	1345	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
01/18/2013	1231	0.0	Forced	Maintenance	0	31	REPLACE BELTS ON FUEL SKID MOTOR.
01/18/2013	1336	0.0	Forced	Maintenance	1	18	ENGINE SHUTDOWN DUE TO DETONATION.
01/21/2013	1853	0.0	Scheduled	Maintenance	2	29	CYLINDER HEAD REPLACEMENT.
01/21/2013	2126	0.0	Scheduled	Maintenance	0	6	GASKET OIL LEAK.
01/21/2013	2158	0.0	Scheduled	Maintenance	0	7	REPLACE OIL TEMP PROBE.
01/22/2013	0508	0.0	Forced	Maintenance	1	33	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	0347	0.0	Forced	Maintenance	1	35	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	0657	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	0933	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	1127	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	1143	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	1159	0.0	Scheduled	Maintenance	3	21	CYLINDER HEAD REPLACEMENT.
02/05/2013	1909	0.0	Forced	Maintenance	1	47	ENGINE SHUTDOWN DUE TO DETONATION.
02/15/2013	1350	0.0	Forced	Maintenance	0	6	ENGINE SHUTDOWN DUE TO DETONATION.
02/23/2013	1446	0.0	Forced	Maintenance	2	57	ENGINE SHUTDOWN DUE TO DETONATION.
02/27/2013	0907	0.0	Scheduled	Maintenance	4	51	CYLINDER HEAD REPLACEMENT.
03/14/2013	1014	0.0	Scheduled	Maintenance	6	14	GENERATOR MAINTENANCE.



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**Unit 001**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
03/26/2013	0827	0.0	Forced	Maintenance	0	1	ENGINE SHUTDOWN DUE TO DETONATION.
04/08/2013	1031	0.0	Forced	Maintenance	0	32	GENERATOR PROTECTIVE RELAY FAULT.
04/13/2013	1227	0.0	Forced	Maintenance	3	8	ENGINE SHUTDOWN DUE TO DETONATION.
04/16/2013	0754	0.0	Forced	Maintenance	1	0	GENERATOR PROTECTIVE RELAY FAULT.
04/25/2013	0735	0.0	Scheduled	Maintenance	2	50	GENERATOR MAINTENANCE.

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**Bavarian Landfill**

**Unit 002**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Forced	Fuel Outage	31	32	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
11/05/2012	0927	0.0	Forced	Maintenance	3	23	387 RELAY TRIP AT SUBSTATION.
11/24/2012	0930	0.0	Forced	Maintenance	6	55	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	0658	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/04/2012	0744	0.0	Scheduled	Maintenance	6	58	PLANT OFFICE METER CALIBRATION.
12/05/2012	1225	0.0	Scheduled	Maintenance	0	30	COLD PLUG.
12/08/2012	0913	0.0	Forced	Maintenance	5	11	ENGINE SHUTDOWN DUE TO DETONATION.
12/08/2012	1525	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
12/08/2012	1549	0.0	Scheduled	Maintenance	2	25	CYLINDER HEAD REPLACEMENT.
12/11/2012	0916	0.0	Scheduled	Maintenance	1	22	FUEL SKID MOTOR REPLACEMENT.
12/11/2012	1046	0.0	Forced	Maintenance	0	14	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	1105	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	1110	0.0	Forced	Maintenance	0	17	ENGINE SHUTDOWN DUE TO DETONATION.
12/13/2012	0805	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
12/18/2012	0915	0.0	Scheduled	Maintenance	2	49	GENERATOR MAINTENANCE.
12/25/2012	2237	0.0	Forced	Maintenance	1	42	ENGINE SHUTDOWN DUE TO DETONATION.
12/28/2012	1452	0.0	Forced	Maintenance	1	33	ENGINE SHUTDOWN DUE TO DETONATION.
12/29/2012	1012	0.0	Forced	Maintenance	3	32	GENERATOR PROTECTIVE RELAY FAULT.
01/02/2013	0836	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
01/04/2013	1129	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/10/2013	0830	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
01/18/2013	1226	0.0	Forced	Maintenance	0	49	FUEL SKID MOTOR REPLACEMENT.
01/18/2013	1336	0.0	Forced	Maintenance	0	47	ENGINE SHUTDOWN DUE TO DETONATION.
01/21/2013	2146	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
01/22/2013	0450	0.0	Forced	Maintenance	1	14	ENGINE SHUTDOWN DUE TO DETONATION.
01/24/2013	0747	0.0	Scheduled	Maintenance	7	28	CYLINDER HEAD REPLACEMENT.
01/25/2013	0348	0.0	Forced	Maintenance	2	3	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	0553	0.0	Forced	Maintenance	4	3	ELECTRICAL SWITCH GEAR ISSUES.

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**Unit 002**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
01/25/2013	1127	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/29/2013	0800	0.0	Scheduled	Maintenance	5	19	GENERATOR MAINTENANCE.
02/04/2013	1217	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
02/05/2013	1840	0.0	Forced	Maintenance	2	39	ENGINE SHUTDOWN DUE TO DETONATION.
02/15/2013	1350	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
02/23/2013	1423	0.0	Forced	Maintenance	3	27	ENGINE SHUTDOWN DUE TO DETONATION.
02/23/2013	2203	0.0	Forced	Maintenance	0	3	ENGINE SHUTDOWN DUE TO DETONATION.
02/25/2013	2220	0.0	Forced	Maintenance	0	51	ENGINE SHUTDOWN DUE TO DETONATION.
02/25/2013	2329	0.0	Forced	Maintenance	2	50	CYLINDER HEAD REPLACEMENT.
03/14/2013	1101	0.0	Forced	Maintenance	1	59	ENGINE SHUTDOWN DUE TO DETONATION.
03/18/2013	1016	0.0	Scheduled	Maintenance	2	29	GENERATOR MAINTENANCE.
03/22/2013	1645	0.0	Forced	Maintenance	3	44	ENGINE SHUTDOWN DUE TO DETONATION.
03/26/2013	1042	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
04/08/2013	1033	0.0	Forced	Maintenance	0	32	GENERATOR PROTECTIVE RELAY FAULT.
04/09/2013	0726	0.0	Scheduled	Maintenance	30	10	REPAIR ENGINE, TOP END OVERHAUL.
04/10/2013	1348	0.0	Forced	Maintenance	0	4	REPAIR GENERATOR, LOSS OF FIELD.
04/10/2013	1419	0.0	Forced	Maintenance	0	38	REPAIR GENERATOR, REPLACE POWER TRANSFORMER.
04/10/2013	1537	0.0	Forced	Maintenance	0	7	ELECTRICAL MAINTENANCE, ADJUST LOSS OF FIELD SETTING.
04/12/2013	2116	0.0	Forced	Maintenance	1	52	REPAIR FUEL COMPRESSOR, LOSS OF OPERATING AIR.
04/14/2013	1055	0.0	Forced	Maintenance	2	14	REPAIR FUEL COMPRESSOR, LOSS OF OPERATING AIR.
04/16/2013	0754	0.0	Forced	Maintenance	0	15	GENERATOR PROTECTIVE RELAY FAULT.

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**Unit 003**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/05/2012	0927	0.0	Forced	Maintenance	3	8	GENERATOR PROTECTIVE RELAY FAULT.
11/13/2012	0901	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
11/24/2012	0929	0.0	Forced	Maintenance	5	28	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	0904	0.0	Scheduled	Maintenance	2	26	GENERATOR MAINTENANCE.
11/27/2012	1130	0.0	Scheduled	Maintenance	3	0	CYLINDER HEAD REPLACEMENT.
12/04/2012	0744	0.0	Scheduled	Maintenance	5	3	METER CALIBRATION.
12/05/2012	0838	0.0	Scheduled	Maintenance	3	19	CYLINDER HEAD REPLACEMENT.
12/08/2012	0912	0.0	Forced	Maintenance	5	21	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	0916	0.0	Scheduled	Maintenance	1	48	FUEL SKID MOTOR BELTS REPLACEMENT.
12/11/2012	1110	0.0	Forced	Maintenance	0	21	ENGINE SHUTDOWN DUE TO DETONATION.
12/13/2012	1219	0.0	Scheduled	Maintenance	2	4	FUEL SYSTEM GASKET REPLACEMENT.
12/25/2012	2237	0.0	Forced	Maintenance	2	5	ENGINE SHUTDOWN DUE TO DETONATION.
12/28/2012	1452	0.0	Forced	Maintenance	4	43	ENGINE SHUTDOWN DUE TO DETONATION.
12/29/2012	1012	0.0	Forced	Maintenance	3	43	GENERATOR PROTECTIVE RELAY FAULT.
01/02/2013	0836	0.0	Forced	Maintenance	0	14	ENGINE SHUTDOWN DUE TO DETONATION.
01/04/2013	1130	0.0	Forced	Maintenance	0	21	ENGINE SHUTDOWN DUE TO DETONATION.
01/07/2013	0802	0.0	Forced	Maintenance	0	16	ENGINE SHUTDOWN DUE TO DETONATION.
01/11/2013	0832	0.0	Scheduled	Maintenance	2	4	GENERATOR MAINTENANCE.
01/18/2013	1232	0.0	Forced	Maintenance	0	52	FUEL SKID BELTS REPLACEMENT.
01/18/2013	1336	0.0	Forced	Maintenance	0	49	ENGINE SHUTDOWN DUE TO DETONATION.
01/22/2013	0454	0.0	Forced	Maintenance	1	13	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	0348	0.0	Forced	Maintenance	1	53	ENGINE SHUTDOWN DUE TO DETONATION.
01/25/2013	0553	0.0	Forced	Maintenance	1	16	ENGINE SHUTDOWN DUE TO DETONATION.
02/04/2013	1217	0.0	Forced	Maintenance	0	2	ENGINE SHUTDOWN DUE TO DETONATION.
02/05/2013	1838	0.0	Forced	Maintenance	2	45	ENGINE SHUTDOWN DUE TO DETONATION.
02/11/2013	0902	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
02/15/2013	1350	0.0	Forced	Maintenance	0	12	ENGINE SHUTDOWN DUE TO DETONATION.
02/23/2013	1446	0.0	Forced	Maintenance	3	46	ENGINE SHUTDOWN DUE TO DETONATION.
02/28/2013	0926	0.0	Scheduled	Maintenance	4	8	GENERATOR MAINTENANCE.

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**Unit 003**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
03/22/2013	1645	0.0	Forced	Maintenance	3	49	ENGINE SHUTDOWN DUE TO DETONATION.
03/24/2013	0352	0.0	Forced	Maintenance	3	26	ENGINE SHUTDOWN DUE TO DETONATION.
03/25/2013	0915	0.0	Scheduled	Maintenance	4	10	CYLINDER HEAD REPLACEMENT.
04/01/2013	1015	0.0	Scheduled	Maintenance	2	51	CYLINDER HEAD REPLACEMENT.
04/08/2013	1032	0.0	Forced	Maintenance	0	37	GENERATOR PROTECTIVE RELAY FAULT.
04/16/2013	0754	0.0	Forced	Maintenance	0	19	GENERATOR PROTECTIVE RELAY FAULT.
04/18/2013	1116	0.0	Scheduled	Maintenance	2	15	GENERATOR MAINTENANCE.
04/25/2013	1025	0.0	Scheduled	Maintenance	0	45	REPAIR ENGINE, REPLACE SPARK PLUG.

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**Unit 004**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/05/2012	0927	0.0	Forced	Maintenance	4	3	GENERATOR PROTECTIVE RELAY FAULT.
11/24/2012	1025	0.0	Forced	Maintenance	4	39	ENGINE SHUTDOWN DUE TO DETONATION.
11/28/2012	0733	0.0	Scheduled	Maintenance	2	30	GENERATOR MAINTENANCE.
11/28/2012	1003	0.0	Scheduled	Maintenance	6	50	CYLINDER HEAD REPLACEMENT.
12/04/2012	0744	0.0	Scheduled	Maintenance	4	57	METER CALIBRATION.
12/08/2012	1249	0.0	Forced	Maintenance	2	30	ENGINE SHUTDOWN DUE TO DETONATION.
12/11/2012	0916	0.0	Scheduled	Maintenance	4	15	FUEL SKID MAINTENANCE.
12/25/2012	2315	0.0	Forced	Maintenance	1	9	ENGINE SHUTDOWN DUE TO DETONATION.
12/28/2012	1452	0.0	Forced	Maintenance	1	38	ENGINE SHUTDOWN DUE TO DETONATION.
12/29/2012	1012	0.0	Forced	Maintenance	3	55	GENERATOR PROTECTIVE RELAY FAULT.
01/14/2013	0904	0.0	Scheduled	Maintenance	2	0	GENERATOR MAINTENANCE.
01/14/2013	1104	0.0	Scheduled	Maintenance	2	29	CYLINDER HEAD REPLACEMENT.
01/18/2013	1231	0.0	Forced	Maintenance	2	35	FUEL SKID MAINTENANCE.
01/25/2013	0349	0.0	Forced	Maintenance	4	28	ENGINE SHUTDOWN DUE TO DETONATION.
02/04/2013	1217	0.0	Forced	Maintenance	0	14	ENGINE SHUTDOWN DUE TO DETONATION.
02/05/2013	1908	0.0	Forced	Maintenance	2	1	ENGINE SHUTDOWN DUE TO DETONATION.
02/20/2013	0854	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
02/23/2013	1449	0.0	Forced	Maintenance	7	6	ENGINE SHUTDOWN DUE TO DETONATION.
03/01/2013	0813	0.0	Scheduled	Maintenance	3	3	GENERATOR MAINTENANCE.
03/22/2013	1645	0.0	Forced	Maintenance	4	22	ENGINE SHUTDOWN DUE TO DETONATION.
04/03/2013	1535	0.0	Forced	Maintenance	2	3	GENERATOR MAINTENANCE.
04/08/2013	1032	0.0	Forced	Maintenance	0	38	GENERATOR PROTECTIVE RELAY FAULT.
04/15/2013	0844	0.0	Scheduled	Maintenance	5	53	GENERATOR MAINTENANCE.
04/16/2013	0754	0.0	Forced	Maintenance	0	26	GENERATOR PROTECTIVE RELAY FAULT.
04/17/2013	2128	0.0	Forced	Maintenance	1	21	ENGINE SHUTDOWN DUE TO DETONATION.
04/17/2013	2315	0.0	Scheduled	Maintenance	1	39	GENERATOR MAINTENANCE.

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**Hardin Co. Landfill**

**Unit 001**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/02/2012	1500	0.0	Forced	Fuel Outage	90	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
11/11/2012	1220	0.0	Forced	Maintenance	2	0	GENERATOR PROTECTIVE RELAY FAULT.
11/14/2012	0930	0.0	Forced	Maintenance	0	55	GENERATOR PROTECTIVE RELAY FAULT.
11/15/2012	0900	0.0	Forced	Fuel Outage	290	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
11/27/2012	1155	0.0	Forced	Maintenance	0	5	GENERATOR PROTECTIVE RELAY FAULT.
12/09/2012	0755	0.0	Forced	Maintenance	2	0	STORMS AND WEATHER CONDITIONS.
12/12/2012	0900	0.0	Forced	Maintenance	1	50	FUEL COMPRESSOR REPAIR.
12/27/2012	0900	0.0	Scheduled	Maintenance	0	50	GENERATOR MAINTENANCE.
01/07/2013	0900	0.0	Scheduled	Maintenance	2	30	GENERATOR MAINTENANCE.
01/26/2013	0115	0.0	Forced	Maintenance	6	45	DIRECTIONAL POWER FAULT.
01/28/2013	1330	0.0	Forced	Fuel Outage	2	20	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/04/2013	0920	0.0	Forced	Maintenance	3	30	CYLINDER HEAD FAILURE.
02/08/2013	1138	0.0	Forced	Maintenance	0	22	REVERSE POWER FAULT.
02/17/2013	0640	0.0	Forced	Fuel Outage	1	51	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/17/2013	0840	0.0	Forced	Fuel Outage	0	35	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/18/2013	0900	0.0	Forced	Fuel Outage	7	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/21/2013	0250	0.0	Forced	Fuel Outage	10	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/04/2013	0610	0.0	Forced	Fuel Outage	2	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/08/2013	0900	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
03/12/2013	1340	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
03/28/2013	1140	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
03/29/2013	0815	0.0	Scheduled	Maintenance	9	5	LINE MAINTENANCE.
03/29/2013	1720	0.0	Forced	Maintenance	16	25	INTERNAL COOLANT LEAK.
03/30/2013	1020	0.0	Scheduled	Maintenance	0	20	ENGINE MAINTENANCE.
04/01/2013	0800	0.0	Scheduled	Maintenance	30	45	ENGINE MAINTENANCE.
04/02/2013	1455	0.0	Scheduled	Maintenance	0	55	EXHAUST MANIFOLD GASKETS REPAIRS.
04/08/2013	1425	0.0	Scheduled	Maintenance	0	40	REPAIR ENGINE, CHANGE OIL & FILTERS.
04/11/2013	2100	0.0	Forced	Maintenance	1	30	GENERATOR PROTECTIVE RELAY FAULT.
04/24/2013	0630	0.0	Forced	Maintenance	1	15	GENERATOR PROTECTIVE RELAY FAULT.
04/26/2013	0731	0.0	Forced	Maintenance	1	14	ENGINE SHUTDOWN DUE TO DETONATION.

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Unit 002

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Forced	Fuel Outage	39	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
11/06/2012	0900	0.0	Forced	Fuel Outage	168	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
11/14/2012	0930	0.0	Forced	Maintenance	0	55	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	0220	0.0	Forced	Fuel Outage	93	40	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/01/2012	0000	0.0	Forced	Fuel Outage	9	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/01/2012	0900	0.0	Forced	Maintenance	72	0	ENGINE MAINTENANCE.
12/04/2012	1340	0.0	Forced	Fuel Outage	19	20	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/09/2012	0755	0.0	Forced	Maintenance	2	0	STORMS AND WEATHER CONDITIONS.
12/12/2012	0900	0.0	Forced	Maintenance	1	20	FUEL COMPRESSOR REPAIR.
12/14/2012	0900	0.0	Forced	Fuel Outage	273	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/27/2012	1520	0.0	Forced	Fuel Outage	21	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/14/2013	0810	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
01/14/2013	0900	0.0	Scheduled	Maintenance	2	50	GENERATOR MAINTENANCE.
01/14/2013	2100	0.0	Forced	Maintenance	12	15	ENGINE SHUTDOWN DUE TO DETONATION.
01/19/2013	1800	0.0	Forced	Maintenance	38	26	ENGINE SHUTDOWN DUE TO DETONATION.
01/22/2013	0830	0.0	Forced	Fuel Outage	48	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/26/2013	0115	0.0	Forced	Maintenance	6	45	DIRECTIONAL POWER FAULT.
01/28/2013	1350	0.0	Forced	Fuel Outage	2	25	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/01/2013	0740	0.0	Forced	Fuel Outage	73	20	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/17/2013	0640	0.0	Forced	Fuel Outage	1	45	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/17/2013	0830	0.0	Forced	Fuel Outage	71	40	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/20/2013	0812	0.0	Forced	Fuel Outage	0	4	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/20/2013	0817	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
02/20/2013	0823	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO DETONATION.
02/20/2013	0847	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
02/20/2013	1340	0.0	Forced	Maintenance	0	40	ENGINE SHUTDOWN DUE TO DETONATION.

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**Unit 002**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
02/20/2013	1444	0.0	Forced	Maintenance	0	41	ENGINE SHUTDOWN DUE TO DETONATION.
02/21/2013	0250	0.0	Forced	Fuel Outage	11	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/01/2013	0805	0.0	Scheduled	Maintenance	0	25	GENERATOR MAINTENANCE.
03/04/2013	0610	0.0	Forced	Fuel Outage	2	35	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/06/2013	1430	0.0	Scheduled	Maintenance	0	20	GENERATOR MAINTENANCE.
03/07/2013	0610	0.0	Forced	Maintenance	26	50	REPLACE FAILED COOLANT LINE.
03/08/2013	0900	0.0	Forced	Fuel Outage	3	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/18/2013	0705	0.0	Scheduled	Maintenance	2	55	GENERATOR MAINTENANCE.
03/19/2013	0815	0.0	Scheduled	Maintenance	73	20	INSTALLING AIR/FUEL RATIO CONTROLLER.
03/22/2013	1000	0.0	Forced	Maintenance	0	5	COMMISSIONING OF AIR/FUEL RATIO CONTROLLER.
03/22/2013	1150	0.0	Forced	Maintenance	0	5	SHUT DOWN DUE TO COMMISSIONING OF AIR/FUEL RATIO CONTROLLER.
03/22/2013	1200	0.0	Forced	Maintenance	1	35	SHUT DOWN DUE TO COMMISSIONING OF AIR/FUEL RATIO CONTROLLER.
03/22/2013	1420	0.0	Forced	Maintenance	0	10	SHUT DOWN DUE TO COMMISSIONING OF AIR/FUEL RATIO CONTROLLER.
03/27/2013	1825	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
03/27/2013	1850	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
03/28/2013	1410	0.0	Forced	Maintenance	0	30	ENGINE SHUTDOWN DUE TO DETONATION.
03/28/2013	1545	0.0	Forced	Maintenance	0	15	ENGINE SHUTDOWN DUE TO DETONATION.
03/29/2013	0745	0.0	Scheduled	Maintenance	9	35	PERFORMING LINE MAINTENANCE.
04/05/2013	0810	0.0	Scheduled	Maintenance	1	50	GENERATOR MAINTENANCE.
04/05/2013	1030	0.0	Scheduled	Maintenance	0	55	EXCESSIVE VALVE TRAIN NOISE CYLINDER #9.
04/09/2013	0800	0.0	Scheduled	Maintenance	1	0	GENERATOR MAINTENANCE.
04/11/2013	2100	0.0	Forced	Maintenance	1	25	GENERATOR PROTECTIVE RELAY FAULT.
04/24/2013	0630	0.0	Forced	Maintenance	1	15	GENERATOR PROTECTIVE RELAY FAULT.

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## Unit 003

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/02/2012	1222	0.0	Forced	Maintenance	1	44	REVERSE POWER FAULT.
11/07/2012	1015	0.0	Scheduled	Maintenance	0	35	GENERATOR MAINTENANCE.
11/11/2012	1220	0.0	Forced	Maintenance	2	10	GENERATOR PROTECTIVE RELAY FAULT.
11/13/2012	0900	0.0	Forced	Fuel Outage	48	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/09/2012	0755	0.0	Forced	Maintenance	2	0	STORMS AND WEATHER CONDITIONS.
12/11/2012	0745	0.0	Forced	Maintenance	0	45	ENGINE MAINTENANCE.
12/12/2012	0900	0.0	Forced	Maintenance	1	20	FUEL COMPRESSOR REPAIRS.
12/25/2012	1550	0.0	Forced	Maintenance	2	10	ENGINE SHUTDOWN DUE TO DETONATION.
12/25/2012	1830	0.0	Forced	Fuel Outage	44	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
12/28/2012	1230	0.0	Forced	Fuel Outage	83	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/01/2013	0000	0.0	Forced	Fuel Outage	36	30	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/21/2013	0800	0.0	Scheduled	Maintenance	0	45	GENERATOR MAINTENANCE.
01/26/2013	0115	0.0	Forced	Maintenance	6	45	DIRECTIONAL POWER FAULT.
01/28/2013	1140	0.0	Forced	Fuel Outage	2	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/17/2013	0640	0.0	Forced	Fuel Outage	1	50	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/20/2013	0810	0.0	Forced	Fuel Outage	4	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/21/2013	0250	0.0	Forced	Fuel Outage	2	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
02/28/2013	0820	0.0	Scheduled	Maintenance	0	40	GENERATOR MAINTENANCE.
03/04/2013	0610	0.0	Forced	Fuel Outage	1	50	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/22/2013	1200	0.0	Forced	Maintenance	0	5	ENGINE SHUTDOWN DUE TO DETONATION.
03/27/2013	1630	0.0	Forced	Maintenance	1	37	ENGINE SHUTDOWN DUE TO DETONATION.
03/29/2013	0815	0.0	Scheduled	Maintenance	9	5	PERFORMING LINE MAINTENANCE.
04/02/2013	1335	0.0	Scheduled	Maintenance	25	25	ENGINE MAINTENANCE.
04/08/2013	1350	0.0	Scheduled	Maintenance	0	40	GENERATOR MAINTENANCE.
04/24/2013	0630	0.0	Forced	Maintenance	1	30	GENERATOR PROTECTIVE RELAY FAULT.

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Unit 001

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/08/2012	0747	0.0	Scheduled	Maintenance	2	57	GENERATOR MAINTENANCE.
11/08/2012	2114	0.0	Forced	Maintenance	1	26	GENERATOR PROTECTIVE RELAY FAULT.
11/28/2012	1417	0.0	Forced	Maintenance	29	42	EXHAUST MANIFOLD FAILURE.
11/30/2012	0913	0.0	Scheduled	Maintenance	0	18	REPAIR INTAKE MANIFOLD LEAK.
12/27/2012	0907	0.0	Scheduled	Maintenance	4	28	GENERATOR MAINTENANCE.
12/29/2012	1226	0.0	Forced	Maintenance	5	15	GENERATOR PROTECTIVE RELAY FAULT.
01/02/2013	1211	0.0	Forced	Fuel Outage	3	10	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
01/07/2013	0908	0.0	Forced	Maintenance	0	19	GENERATOR PROTECTIVE RELAY FAULT.
01/08/2013	1332	0.0	Forced	Maintenance	0	20	GENERATOR PROTECTIVE RELAY FAULT.
01/23/2013	1248	0.0	Forced	Maintenance	4	23	BURNT VALVE ON CYLINDER HEAD.
02/05/2013	1032	0.0	Scheduled	Maintenance	2	20	PULL ALL LANDFILL GENERATION UNITS FOR UNIT 4 MAJOR OVERHAUL.
02/09/2013	0946	0.0	Forced	Maintenance	3	41	ENGINE TURBO FAILURE.
02/09/2013	1337	0.0	Forced	Maintenance	0	13	ENGINE SHUTDOWN DUE TO DETONATION.
02/09/2013	1351	0.0	Forced	Maintenance	0	16	ENGINE SHUTDOWN DUE TO DETONATION.
02/09/2013	1409	0.0	Forced	Maintenance	0	4	ENGINE SHUTDOWN DUE TO DETONATION.
02/14/2013	0907	0.0	Scheduled	Maintenance	2	47	GENERATOR MAINTENANCE.
02/19/2013	2036	0.0	Forced	Fuel Outage	2	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/06/2013	0937	0.0	Scheduled	Maintenance	2	3	RE-INSTALL UNIT 4 AFTER MAJOR OVERHAUL.
03/20/2013	0808	0.0	Forced	Maintenance	1	52	REPLACING CYLINDER HEAD DUE TO BURNT VALVE.
03/20/2013	1001	0.0	Scheduled	Maintenance	4	10	GENERATOR MAINTENANCE.
04/02/2013	0810	0.0	Scheduled	Maintenance	3	51	GENERATOR MAINTENANCE.
04/17/2013	0833	0.0	Scheduled	Maintenance	4	29	PULL ALL LANDFILL GENERATION UNIT FOR UNIT 2 MAJOR OVERHAUL.
04/19/2013	0804	0.0	Forced	Maintenance	0	31	ENGINE SHUTDOWN DUE TO DETONATION.

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Unit 002

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/07/2012	0825	0.0	Forced	Maintenance	3	7	REPLACED CYLINDER HEAD DUE TO BURNT EXHAUST VALVE.
11/08/2012	2114	0.0	Forced	Maintenance	1	27	GENERATOR PROTECTIVE RELAY FAULT.
11/16/2012	0316	0.0	Forced	Maintenance	1	52	ENGINE SHUTDOWN DUE TO DETONATION.
11/19/2012	1346	0.0	Forced	Maintenance	3	49	ENGINE SHUTDOWN DUE TO DETONATION.
11/19/2012	1750	0.0	Forced	Maintenance	0	6	ENGINE SHUTDOWN DUE TO DETONATION.
11/19/2012	1759	0.0	Forced	Maintenance	1	6	ENGINE SHUTDOWN DUE TO DETONATION.
11/26/2012	0908	0.0	Scheduled	Maintenance	3	54	GENERATOR MAINTENANCE.
11/28/2012	1417	0.0	Forced	Maintenance	1	8	GENERATOR PROTECTIVE RELAY FAULT.
12/22/2012	1459	0.0	Forced	Maintenance	2	14	ENGINE SHUTDOWN DUE TO DETONATION.
12/22/2012	1724	0.0	Forced	Maintenance	3	13	CHANGED CYLINDER HEAD DUE TO BURNT VALVE.
12/29/2012	1226	0.0	Forced	Maintenance	5	40	GENERATOR PROTECTIVE RELAY FAULT.
12/31/2012	0833	0.0	Forced	Maintenance	15	27	EXHAUST MANIFOLD FAILURE.
01/01/2013	0000	0.0	Forced	Maintenance	64	49	EXHAUST MANIFOLD FAILURE.
01/03/2013	1703	0.0	Forced	Maintenance	0	31	LOW OIL PRESSURE.
01/07/2013	0908	0.0	Forced	Maintenance	0	18	GENERATOR PROTECTIVE RELAY FAULT.
01/08/2013	1332	0.0	Forced	Maintenance	0	22	GENERATOR PROTECTIVE RELAY FAULT.
01/14/2013	0910	0.0	Scheduled	Maintenance	2	48	GENERATOR MAINTENANCE.
02/05/2013	1032	0.0	Scheduled	Maintenance	2	21	PULL ALL LANDFILL GENERATION UNITS FOR UNIT 4 FOR MAJOR OVERHAUL.
02/07/2013	0930	0.0	Forced	Maintenance	4	12	BURNT VALVE.
02/18/2013	0913	0.0	Scheduled	Maintenance	3	16	GENERATOR MAINTENANCE.
02/19/2013	2036	0.0	Forced	Fuel Outage	2	13	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/06/2013	0937	0.0	Scheduled	Maintenance	2	5	RE-INSTALL UNIT 4 AFTER MAJOR OVERHAUL.
03/19/2013	1215	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
03/19/2013	1245	0.0	Forced	Maintenance	4	29	CYLINDER HEAD REPLACEMENT.
04/02/2013	1432	0.0	Forced	Maintenance	0	33	ENGINE SHUTDOWN DUE TO DETONATION.
04/15/2013	1004	0.0	Scheduled	Maintenance	373	56	PREPARE UNIT FOR MAJOR OVERHAUL.



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**Unit 003**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/05/2012	0905	0.0	Scheduled	Maintenance	3	2	GENERATOR MAINTENANCE.
11/08/2012	2114	0.0	Forced	Maintenance	1	34	GENERATOR PROTECTIVE RELAY FAULT.
11/28/2012	1417	0.0	Forced	Maintenance	0	35	GENERATOR PROTECTIVE RELAY FAULT.
12/19/2012	0911	0.0	Scheduled	Maintenance	0	32	BURNT VALVE.
12/21/2012	1035	0.0	Scheduled	Maintenance	1	49	GENERATOR MAINTENANCE.
12/29/2012	1226	0.0	Forced	Maintenance	47	17	GENERATOR PROTECTIVE RELAY FAULT.
01/07/2013	0908	0.0	Forced	Maintenance	0	37	GENERATOR PROTECTIVE RELAY FAULT.
01/08/2013	1332	0.0	Forced	Maintenance	0	31	GENERATOR PROTECTIVE RELAY FAULT.
02/05/2013	1032	0.0	Scheduled	Maintenance	2	22	PULL ALL LANDFILL GENERATION UNITS FOR UNIT 4 FOR MAJOR OVERHAUL.
02/08/2013	0909	0.0	Scheduled	Maintenance	4	50	GENERATOR MAINTENANCE.
02/11/2013	0909	0.0	Forced	Maintenance	6	6	VALVE GUIDE FAILURE ON TWO HEADS.
02/19/2013	2036	0.0	Forced	Fuel Outage	2	23	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/06/2013	0937	0.0	Scheduled	Maintenance	2	8	RE-INSTALL UNIT 4 AFTER MAJOR OVERHAUL.
03/16/2013	0330	0.0	Forced	Maintenance	2	25	ENGINE SHUTDOWN DUE TO DETONATION.
03/20/2013	1311	0.0	Forced	Maintenance	3	59	REPLACED CYLINDER HEAD DUE TO BURNT VALVE.
03/21/2013	1006	0.0	Scheduled	Maintenance	3	27	GENERATOR MAINTENANCE.
04/17/2013	0833	0.0	Scheduled	Maintenance	4	39	PULL ALL LANDFILL GENERATION UNIT FOR UNIT 2 FOR MAJOR OVERHAUL.
04/29/2013	1123	0.0	Forced	Maintenance	2	30	GENERATOR MAINTENANCE.

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**Unit 004**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	2240	0.0	Forced	Maintenance	1	28	ENGINE SHUTDOWN DUE TO DETONATION.
11/02/2012	1051	0.0	Scheduled	Maintenance	0	26	PERFORMED COMPRESSION CHECK ON CYLINDER HEADS.
11/08/2012	2114	0.0	Forced	Maintenance	1	36	GENERATOR PROTECTIVE RELAY FAULT.
11/09/2012	0827	0.0	Scheduled	Maintenance	3	37	GENERATOR MAINTENANCE.
11/16/2012	0316	0.0	Forced	Maintenance	1	55	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	1309	0.0	Forced	Maintenance	0	10	ENGINE SHUTDOWN DUE TO DETONATION.
11/27/2012	1341	0.0	Scheduled	Maintenance	0	29	GENERATOR MAINTENANCE.
11/28/2012	1417	0.0	Forced	Maintenance	0	40	GENERATOR PROTECTIVE RELAY FAULT.
11/29/2012	1622	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
11/30/2012	1001	0.0	Scheduled	Maintenance	3	19	CYLINDER HEAD REPLACEMENT.
12/03/2012	0759	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
12/06/2012	2052	0.0	Forced	Maintenance	1	9	ENGINE SHUTDOWN DUE TO DETONATION.
12/10/2012	1007	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
12/12/2012	1134	0.0	Forced	Maintenance	0	9	ENGINE SHUTDOWN DUE TO DETONATION.
12/13/2012	0852	0.0	Forced	Maintenance	0	24	ENGINE SHUTDOWN DUE TO DETONATION.
12/19/2012	0914	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO DETONATION.
12/19/2012	0923	0.0	Forced	Maintenance	0	7	ENGINE SHUTDOWN DUE TO DETONATION.
12/19/2012	0932	0.0	Forced	Maintenance	7	35	CYLINDER HEAD REPLACEMENT.
12/20/2012	0920	0.0	Forced	Maintenance	3	43	REPLACED CYLINDER HEAD DUE TO BURNT VALVE.
12/21/2012	1046	0.0	Forced	Maintenance	0	8	ENGINE SHUTDOWN DUE TO DETONATION.
12/21/2012	1229	0.0	Forced	Maintenance	2	5	CYLINDER HEAD REPLACEMENT.
12/21/2012	1601	0.0	Forced	Maintenance	0	50	ENGINE SHUTDOWN DUE TO DETONATION.
12/21/2012	2215	0.0	Forced	Maintenance	10	28	ENGINE SHUTDOWN DUE TO DETONATION.
12/22/2012	0930	0.0	Forced	Maintenance	2	14	CYLINDER HEAD REPLACEMENT.
12/28/2012	0817	0.0	Scheduled	Maintenance	3	42	ENGINE SHUTDOWN DUE TO DETONATION.
12/28/2012	1221	0.0	Forced	Maintenance	0	28	ENGINE SHUTDOWN DUE TO DETONATION.
12/29/2012	1226	0.0	Forced	Maintenance	5	52	GENERATOR PROTECTIVE RELAY FAULT.
01/07/2013	0908	0.0	Forced	Maintenance	0	33	GENERATOR PROTECTIVE RELAY FAULT.
01/08/2013	1332	0.0	Forced	Maintenance	0	26	GENERATOR PROTECTIVE RELAY FAULT.

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Unit 004

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
01/23/2013	1239	0.0	Forced	Maintenance	0	22	ENGINE SHUTDOWN DUE TO DETONATION.
02/02/2013	1556	0.0	Scheduled	Maintenance	632	4	PULLING UNIT FOR MAJOR OVERHAUL.
03/01/2013	0000	0.0	Scheduled	Maintenance	299	25	MAJOR OVER HAUL.
03/13/2013	1305	0.0	Scheduled	Maintenance	0	48	GENERATOR MAINTENANCE.
03/17/2013	0954	0.0	Forced	Maintenance	1	13	LEAK ON AFTERCOOLER PIPE.
03/22/2013	1222	0.0	Scheduled	Maintenance	0	12	GENERATOR MAINTENANCE.
04/17/2013	0834	0.0	Scheduled	Maintenance	4	26	PULL ALL LANDFILL GENERATION UNITS FOR UNIT 2 FOR MAJOR OVERHAUL.
04/18/2013	1014	0.0	Scheduled	Maintenance	4	32	GENERATOR MAINTENANCE.

Production Management Reporting System



East Kentucky Power

Appendix B

From: Nov. 1, 2013 thru April 30, 2013

ITEM NO. 7

Page 45 of 45

Mason Co. Landfill

Unit 001

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Actual		Cause or Reason
					Hours	Minutes	
11/01/2012	0000	0.0	Forced	Maintenance	720	0	ENGINE SHUTDOWN DUE TO DETONATION.
12/01/2012	0000	0.0	Forced	Maintenance	744	0	ENGINE SHUTDOWN DUE TO DETONATION.
01/01/2013	0000	0.0	Forced	Maintenance	744	0	ENGINE SHUTDOWN DUE TO DETONATION.
02/01/2013	0000	0.0	Forced	Fuel Outage	672	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
03/01/2013	0000	0.0	Forced	Fuel Outage	744	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.
04/01/2013	0000	0.0	Forced	Fuel Outage	720	0	RESERVED SHUTDOWN STATE DUE TO FUEL SUPPLY.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 8**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 8.** List all existing fuel contracts categorized as long-term (i.e., one year or more in length). Provide the following information for each contract:

- a. Supplier's name and address;
- b. Name and location of production facility;
- c. Date when contract was executed;
- d. Duration of contract;
- e. Date(s) of each contract revision, modification, or amendment;
- f. Annual tonnage requirements;
- g. Actual annual tonnage received since the contract's inception;
- h. Percent of annual requirements received during the contract's term;
- i. Base price in dollars per ton;
- j. Total amount of price escalations to date in dollars per ton; and
- k. Current price paid for coal under the contract in dollars per ton (i + j).

**Response 8a-k.** Please see pages 2 through 8 of this response.

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262  
RESPONSE TO PSC ORDER DATED 08/08/13

(a) Supplier	(b) Production Facility	(c) Contract Date	(d) Duration of Contract	(e) Revisions or Amendments	(f) Annual Tonnage Required Through 7/13	(g) Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	(h) % of Annual Requirements Received	(i) Base Price \$/Ton	(j) Total Amt. of Price Escalations to Date	(k) Current Price Paid for Coal (i&j)
<b>Long Term:</b>										
<b>Dale Station</b>										
Perry County Coal Corp. 200 Allison Blvd. Corbin, KY 40701	Perry Co. Coal Corp. Perry, KY	12/01/09	4 Yrs.	Letter 05/03/11 Letter 06/21/11 Letter 09/30/11 Amendment 1 10/03/11 Letter 12/13/11	240,000—2010—232,788.12 240,000—2011—247,202.70 240,000—2012—242,285.21 140,000—2013—144,500.18		97% 103% 101% 103%	\$76.75	\$17.25/Ton	\$94.00/Ton
<b>Cooper Station</b>										
B & W Resources, Inc. 849 S. Highway 11 Manchester, KY 40962	B & W Resources Manchester Loadout	11/10/09	4 Yrs. 8 Mos.	Letter 04/12/11 Letter 05/19/11 Letter 06/20/11 Amendment 1 09/06/11 Letter 09/12/11 Letter 12/12/11 Letter 12/13/11 Letter 01/09/12 Letter 01/25/12 Letter 02/17/12 Letter 04/02/12 Amendment 2 06/07/12 Letter 11/28/12	240,000—2010—233,890.92 240,000—2011—237,480.36 29,000—2012— 50,691.62 117,200—2013— 92,210.63		97% 99% 175% 79%	\$64.056	\$19.008/Ton	\$83.064/Ton

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262  
RESPONSE TO PSC ORDER DATED 08/08/13

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Annual Tonnage Required Through 7/13	Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	% of Annual Requirements Received	Base Price \$/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
<b>Cooper Station (Continued)</b>										
Jamieson Construction 30 Jamieson Lane London, KY 40744	Jamieson Constr. Bell, KY	05/11/10	5 Yrs. 6 Mos.	Amendment 1 06/21/10 Amendment 2 07/08/10 Amendment 3 09/07/11 Amendment 4 10/28/11 Letter 04/04/12 Letter 04/12/12 Letter 05/21/12 Letter 05/31/12 Amendment 5 02/01/13	48,000—2010— 96,000—2011— 94,460—2012— 35,000—2013—	48,383.56 119,763.27 79,250.26 33,929.57	101% 125% 84% 97%	\$72.0044	\$12.19648/Ton	\$84.20088/Ton

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262

RESPONSE TO PSC ORDER DATED 08/08/13

(a)	(b)	(c)	(d)	(e)	(f)	(g)	(h)	(i)	(j)	(k)
Supplier	Production Facility	Contract Date	Duration of Contract	Revisions or Amendments	Annual Tonnage Required Through 7/13	Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	% of Annual Requirements Received	Base Price \$/Ton	Total Amt. of Price Escalations to Date	Current Price Paid for Coal (i&j)
<b>Spurlock Station</b>										
Oxford Mining Co. 544 Chestnut Street P. O. Box 427 Coshocton, OH 43812 (Gilbert Contract 800)	Daron-Ligget Harrison, OH Barnesville Belmont, OH	11/09/04	14 Yrs.	Letter 01/03/05 Letter 08/29/05 Letter 02/16/07 Letter 03/28/07 Amendment 1 10/02/07 Amendment 2 08/27/08 Letter 01/08/09 Letter 05/11/09 Letter 06/01/09 Letter 11/23/09 Letter 06/13/12 Letter 07/03/12 Amendment 3 10/15/12 Letter 04/10/13	180,000—2005—115,625.00 240,000—2006—276,719.00 240,000—2007—279,440.00 262,000—2008—193,067.00 600,000—2009—653,474.00 600,000—2010—643,247.00 600,000—2011—524,574.00 600,000—2012—673,504.00 350,000—2013—300,888.00	64% 116% 116% 74% 109% 107% 87% 112% 86%	\$25.002	\$17.11224/Ton	\$42.11424/Ton	
B & N Coal, Inc. P. O. Box 100 Dexter City, OH 45727 (Contract No. 812)	Whigville, West Fork, & Ullman Noble, OH	07/03/08	7 Yrs.	Letter 05/11/09 Letter 06/01/09 Letter 01/04/10 Amendment 1 02/02/11 Letter 04/25/11 Letter 05/20/11 Letter 06/07/11 Amendment 2 01/26/12 Letter 06/13/12 Letter 07/03/12 Letter 12/18/12 Letter 04/09/13 Letter 04/10/13	206,500—2008—191,701.00 354,000—2009—345,522.00 354,000—2010—382,891.00 230,100—2011—226,692.00 194,700—2012—199,260.00 113,575—2013—137,268.00	93% 98% 108% 99% 102% 121%	\$39.0054	\$3.48096/Ton	\$42.48636/Ton +\$1/Ton Surchg	

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262  
RESPONSE TO PSC ORDER DATED 08/08/13

(a) Supplier	(b) Production Facility	(c) Contract Date	(d) Duration of Contract	(e) Revisions or Amendments	(f) Annual Tonnage Required Through 7/13	(g) Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	(h) % of Annual Requirements Received	(i) Base Price \$/Ton	(j) Total Amt. of Price Escalations to Date	(k) Current Price Paid for Coal (i&j)
<b>Spurlock Station (Continued)</b>										
B & N Coal, Inc. P. O. Box 100 Dexter City, OH 45727 (Contract No. 812A)	Whigville, West Fork, & Ullman Noble, OH	02/02/11	2 Yrs	Letter 04/25/11 Letter 05/20/11 Letter 06/07/11 Amendment 2 01/26/12 Letter 06/13/12 Letter 07/03/12 Letter 12/18/12 Letter 04/09/13	163,050—2011—142,152.00 237,600—2012—257,428.00 59,400—2013— 62,529.00		87% 109% 105%	\$37.407	\$6.90642/Ton	\$44.31342/Ton +1.50/Ton Surchg
Williamson Energy, LLC 3801 PGA Blvd., Ste. 903 Palm Beach Gardens, FL 33410	Pond Creek Mach Mining Williamson, IL	08/19/08	9 Yrs.	Letter 08/19/10 Letter 08/18/11 Letter 08/23/11 Letter 08/29/11 Letter 09/08/11 Letter 09/15/11 Letter 11/02/11 Letter 03/15/12 Amendment 1 05/01/13	219,600—2009—215,372.00 240,000—2010—229,670.00 240,000—2011—245,378.00 240,000—2012—223,085.00 140,000—2013—161,604.00		98% 96% 102% 93% 115%	\$48.001	\$10.999/Ton	\$59.00/Ton
Oxford Mining Co. 544 Chestnut Street P. O. Box 427 Coshocton, OH 43812 (Scrubber Contract 504)	Daron-Ligget Harrison, OH Barnesville, Wheeling Valley Mine-Belmont, OH	08/27/08	12 Yrs. 5 Mos.	Letter 10/21/08 Letter 05/11/09 Letter 06/01/09 Letter 11/23/09 Letter 05/27/10 Letter 08/18/10 Amendment 1 09/14/10 Letter 07/31/12 Amendment 2 08/28/12	75,000—2008— 60,232.00 360,000—2009—379,854.00 360,000—2010—356,061.00 360,000—2011—357,032.00 360,000—2012—341,247.00 210,000—2013—240,570.00		80% 106% 99% 99% 95% 115%	\$51.502	(\$7.00664)/Ton	\$44.49536/Ton

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262  
RESPONSE TO PSC ORDER DATED 08/08/13

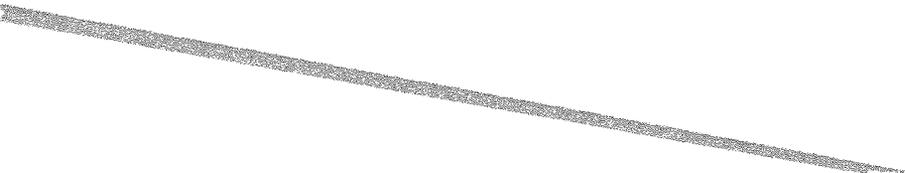
(a) Supplier	(b) Production Facility	(c) Contract Date	(d) Duration of Contract	(e) Revisions or Amendments	(f) Annual Tonnage Required Through 7/13	(g) Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	(h) % of Annual Requirements Received	(i) Base Price \$/Ton	(j) Total Amt. of Price Escalations to Date	(k) Current Price Paid for Coal (i&j)
<b>Spurlock Station (Continued)</b>										
White County Coal, LLC 1717 S. Boulder Avenue Tulsa, OK 74119	Pattiki White, IL	09/11/08	8 Yrs.	Letter 05/11/09	240,000—2009—	234,705.00	98%	\$71.99	(\$18.49)/Ton	\$53.50/Ton
				Amendment 1	240,000—2010—	242,366.00	101%			
				05/22/09	240,000—2011—	252,479.00	105%			
				Letter 06/01/09	240,000—2012—	226,176.00	94%			
				Letter 05/17/10	140,000—2013—	127,996.00	91%			
				Letter 08/18/10						
				Amendment 2						
				11/15/10						
				Letter 12/09/10						
				Letter 02/15/11						
				Letter 03/07/11						
				Letter 06/03/11						
				Letter 08/18/11						
				Letter 08/23/11						
Letter 08/29/11										
Letter 06/12/12										
Amendment 3										
03/06/13										
Letter 03/02/13										
Letter 04/17/13										
Alpha Coal Sales 4 North 4th Street Richmond, VA 23219 (Contract 816-Massey)	Black Castle Mining Boone, WV	08/11/09	3 Yrs.	Amendment 1	180,000—2010—	179,657.00	100%	\$41.9904	\$13.284/Ton	\$55.2744/Ton
				09/01/09	180,000—2011—	174,049.00	97%			
				Letter 11/10/09	180,000—2012—	184,069.00	102%			
				Letter 11/04/11	0—2013—	3,307.00	100%			
				Letter 06/13/12						
				Letter 07/03/12						
				Letter 01/03/13						

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262  
RESPONSE TO PSC ORDER DATED 08/08/13

(a) Supplier	(b) Production Facility	(c) Contract Date	(d) Duration of Contract	(e) Revisions or Amendments	(f) Annual Tonnage Required Through 7/13	(g) Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	(h) % of Annual Requirements Received	(i) Base Price \$/Ton	(j) Total Amt. of Price Escalations to Date	(k) Current Price Paid for Coal (i&j)
<b>Spurlock Station (Continued)</b>										
Alpha Coal Sales 4 North 4th Street Richmond, VA 23219 (Contract 818-Massey)	Marfork Black Castle Mining Boone, WV	05/28/10	3 Yrs.	Letter 11/04/11 Letter 06/13/12 Letter 07/03/12 Letter 04/10/13	60,000—2010— 120,000—2011— 120,000—2012— 60,000—2013—	53,134.00 126,848.00 120,424.00 62,819.00	89% 106% 100% 105%	\$44.9928	\$6.92712/Ton	\$51.91992/Ton
Peabody COALSALES 701 Market St. St. Louis, MO 63101 (Contract No. 514)	Somerville Mine Oakland City, IN	07/07/10	3 Yrs.	Letter 01/03/11 Letter 04/02/12	180,000—2011— 348,000—2012— 222,000—2013—	173,307.00 353,531.00 233,936.00	96% 102% 105%	\$45.4498	\$8.4568/Ton	\$53.9066/Ton
American Energy Corp. 43521 Mayhugh Hill Rd. Beallsville, OH 43716	American Coal Corp. Saline, IL	09/13/10	6 Yrs.	Letter 12/15/10 Letter 01/11/11 Letter 03/24/11 Letter 09/13/11 Letter 09/21/11 Letter 09/22/11 Letter 09/29/11 Letter 10/06/11 Letter 10/17/11 Letter 06/12/12 Letter 07/31/12 Letter 10/12/12 Letter 02/16/13	120,000—2011— 360,000—2012— 210,000—2013—	148,103.00 308,681.00 228,865.00	123% 86% 109%	\$46.18048	\$2.8202/Ton	\$49.00068/Ton
Armstrong Coal Co., Inc. Suite 1000 7701 Forsyth Blvd. St. Louis, MO 63105 (Contract No. 520)	Armstrong Coal Ohio, KY	07/07/11	3 Yrs.	—	90,000—2012— 170,000—2013—	71,532.00 147,853.00	79% 87%	\$42.2016	\$3.304/Ton	\$45.5056/Ton

EAST KENTUCKY POWER COOPERATIVE, INC.  
PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262  
RESPONSE TO PSC ORDER DATED 08/08/13

(a) Supplier	(b) Production Facility	(c) Contract Date	(d) Duration of Contract	(e) Revisions or Amendments	(f) Annual Tonnage Required Through 7/13	(g) Actual Annual Tonnage Rec'd Since Inception of Contract Through 7/13	(h) % of Annual Requirements Received	(i) Base Price \$/Ton	(j) Total Amt. of Price Escalations to Date	(k) Current Price Paid for Coal (i&j)
<b>Spurlock Station (Continued)</b>										
Patriot Coal Sales Suite 400 12312 Olive Blvd. St. Louis, MO 63141	Highland #9 Union, KY	07/07/11	3 Yrs.	Amendment 1 12/19/11 Letter 03/16/12 Letter 04/02/12 Letter 11/28/12 Letter 01/03/13 Letter 01/11/13 Letter 01/16/13 Letter 01/24/13 Letter 03/27/13 Letter 04/05/13	208,000—2012—200,136.00 224,000—2013—174,134.00		96% 78%	\$51.0002	\$0.9177/Ton	\$51.9179/Ton
Peabody COALSALES 701 Market St. St. Louis, MO 63101 (Contract No. 822)	Somerville Mine, Wild Boar Oakland City, IN	12/12/12	2 Yrs.	Letter 04/10/13	210,000—2013—205,918.00		98%	\$39.49942	\$0.5886/Ton	\$40.08802/Ton
B & N Coal, Inc. P. O. Box 100 Dexter City, OH 45727 (Contract No. 824)	Whigville, West Fork, & Ullman Noble, OH	12/14/12	3 Yrs. 2 Mos.	Letter 04/10/13	92,000—2013— 67,203.00		73%	\$40.0044	(\$0.53946)/Ton	\$39.46494/Tony



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262**

**FUEL ADJUSTMENT CLAUSE**

**RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13**

**REQUEST 9**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 9.** a. State whether East Kentucky regularly compares the price of its coal purchases to those paid by other electric utilities.

b. If yes, state:

(1) How East Kentucky's prices compare with those of other utilities for the review period. Include all prices used in the comparison in cents per MMbtu.

(2) The utilities that are included in this comparison and their locations.

**Response 9.** a. Each month East Kentucky compares the price of its coal purchases on a delivered basis against the price that 18 other utilities within the region are paying for coal.

b. (1-2) The most recent data available for comparison is for April 2013. East Kentucky ranked 8<sup>th</sup> on a delivered basis for April 2013. Please see the table on page 2 of this response.

<b>Year/Month</b>	<b>Name</b>	<b>Delivered Fuel Price Cents/MMBtu</b>
2013-04	Duke Energy Ohio	194.56
2013-04	Dayton Power & Light	217.47
2013-04	Allegheny Energy Supply	227.51
2013-04	Louisville Gas & Electric	234.83
2013-04	Hoosier Energy REC	237.45
2013-04	Tennessee Valley Authority	238.85
2013-04	Kentucky Utilities	239.00
2013-04	East Kentucky Power Coop	261.63
2013-04	Southern Indiana Gas & Elec	262.82
2013-04	Appalachian Power	275.53
2013-04	Consumers Energy	281.80
2013-04	Virginia Electric & Power	317.23
2013-04	Kentucky Power	324.27
2013-04	Georgia Power	326.59
2013-04	Progress Energy Carolinas	355.29
2013-04	S. Mississippi Electric Power	387.20
2013-04	Duke Energy Carolinas	390.11
2013-04	S. Carolina Electric & Gas	404.11
2013-04	South Carolina Generating	430.50



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 10**

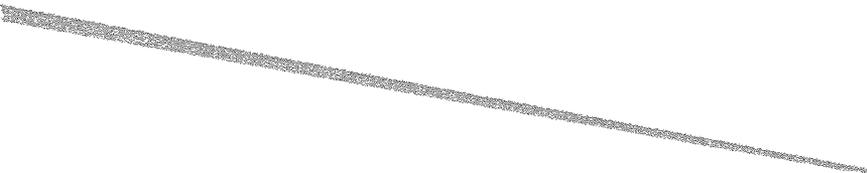
**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 10.** State the percentage of East Kentucky's coal, as of the date of this Order, that is delivered by:

- a. Rail;
- b. Truck; or
- c. Barge.

**Response 10.**

- a. Rail = 0%;
- b. Truck = 13%;
- c. Barge = 87%



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13**

**REQUEST 11**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 11a.** State East Kentucky's coal inventory level in tons and in number of days' supply as of April 30, 2013. Provide this information by generating station and in the aggregate.

**Response 11a.** East Kentucky's coal inventory level as of April 30, 2013, was 932,039 tons—42 days' supply. By power station the levels are as follows:

	<u>Tons</u>	<u>Days</u>
Dale	17,641	7
Cooper	85,220	23
Spurlock	829,178	51

**Request 11b.** Describe the criteria used to determine number of days' supply.

**Response 11b.** Number of days' supply is determined by actual tons in inventory divided by the total maximum daily usage for East Kentucky's generating units.

**Request 11c.** Compare East Kentucky's coal inventory as of April 30, 2013 to its inventory target for that date for each plant and for total inventory.

**Response 11c.** East Kentucky's coal inventory as of April 30, 2013, exceeded its target range of 25-40 days' supply by two days. The Dale Power Station inventory was lower than its target range of 25-40 days' supply by 18 days. The Cooper Power Station inventory was slightly lower than its target range of 25-40 days' supply by two days. The Spurlock Power Station inventory was higher than its range of 25-40 days' supply by eleven days.

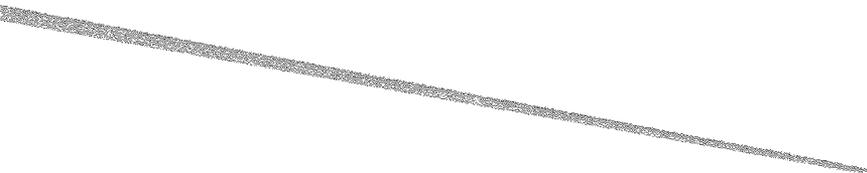
**Request 11d.** If actual coal inventory exceeds inventory target by 10 days' supply, state the reasons for the excessive inventory.

**Response 11d.** East Kentucky's system inventory did not exceed its target range by more than ten days. Its Spurlock Power Station inventory exceeded its target by 11 days. Actual generation was less than projected in February and April due to a forced outage on two of its units. The current stockpile is within four days of its target.

**Request 11e.** (1) State whether East Kentucky expects any significant changes in its current coal inventory target within the next 12 months.

(2) If yes, state the expected change and the reasons for this change.

**Response 11e.** (1-2) East Kentucky does not expect significant changes in its current coal inventory target within the next 12 months.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 12**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 12.** a. State whether East Kentucky has audited any of its coal contracts during the period from November 1, 2012 through April 30, 2013.

b. If yes, for each audited contract:

- (1) Identify the contract;
- (2) Identify the auditor;
- (3) State the results of the audit; and
- (4) Describe the actions that East Kentucky took as a result

of the audit.

**Response 12a-b.** East Kentucky has not conducted any audits of coal contracts during the period under review. East Kentucky does review financials and conducts thorough mine visits and mining permit reviews before entering into term agreements with coal suppliers. East Kentucky also audits requests from coal companies for compensation from Governmental Impositions stemming from the Mine Improvement and New Energy Response Act of 2006 (MINER Act).



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 13**

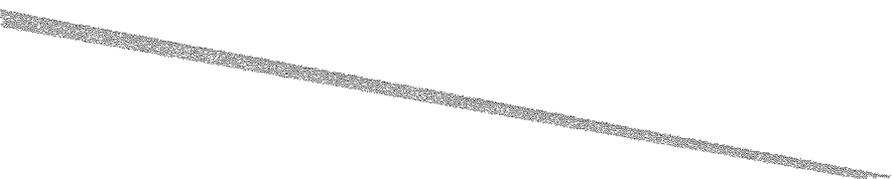
**RESPONSIBLE PARTY: Patrick C. Woods**

**Request 13.** a. State whether East Kentucky has received any customer complaints regarding its FAC during the period from November 1, 2012 through April 30, 2013.

b. If yes, for each complaint, state:

- (1) The nature of the complaint; and
- (2) East Kentucky's response.

**Response 13a-b.** East Kentucky has not received any customer complaints regarding the FAC during the period from November 1, 2012 to April 30, 2013.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 14**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 14.** a. State whether East Kentucky is currently involved in any litigation with its current or former coal suppliers.

**Response 14a.** East Kentucky is currently involved in litigation with one coal supplier.

**Request 14b(1).** If yes, for each litigation, identify the coal supplier;

**Response 14b(1).** Appalachian Fuels, LLC ("Appalachian").

**Request 14b(2).** If yes, for each litigation, identify the coal contract involved.

**Response 14b(2).** The coal contract involved between East Kentucky and Appalachian is dated December 4, 2001, and subsequent amendments thereto for coal to be delivered to Spurlock Power Station Unit Nos. 1 and 2.

**Request 14b(3).** If yes, for each litigation, state the potential liability or recovery to East Kentucky;

**Response 14b(3).** The potential liability of Appalachian to East Kentucky is \$24,400,015 plus pre-judgment and pre-petition interest and continuing.

**Request 14b(4).** If yes, for each litigation, list the issues presented.

**Response 14b(4).** The issues presented regarding Appalachian are (a) whether Appalachian breached its agreement to deliver coal to East Kentucky's Spurlock Power Station and (b) whether Appalachian breached its agreement to provide a performance bond to provide further security to East Kentucky in the event of default or failure to deliver.

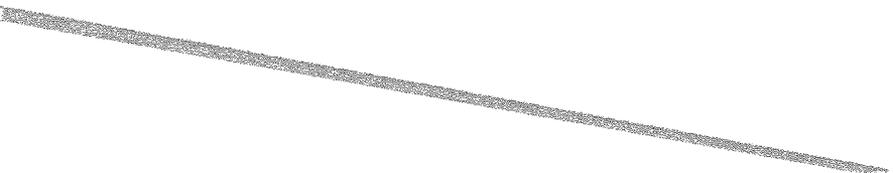
**Request 14b(5).** Provide a copy of the complaint or other legal pleading that initiated the litigation and any answers or counterclaims. If a copy has previously been filed with the Commission, provide the date on which it was filed and the case in which it was filed.

**Response 14b(5).** The Complaint with Appalachian was previously filed on September 12, 2008, in Case No. 2008-00284, and the Corrected Answer was previously filed on February 11, 2009, in Case No. 2008-00519. In addition, East Kentucky previously filed a proof of claim in Appalachian's bankruptcy proceeding on September 10, 2009, in Case No. 2009-00286.

**Request 14c.** State the current status of all litigation with coal suppliers.

**Response 14c.** East Kentucky filed a motion for partial summary judgment in March of 2008 in the Clark Circuit Court proceeding against Appalachian. While that motion was pending, Appalachian made an assignment for benefit of creditors on May 26, 2009. On June 11, 2009, certain creditors of Appalachian placed Appalachian in

involuntary bankruptcy. East Kentucky filed a proof of claim in that proceeding, which is described in Item 24 (b)(5) above. The bankruptcy stayed in the Clark Circuit Court proceeding and East Kentucky intends to pursue its claims against Appalachian in the bankruptcy proceeding. A plan was proposed in the bankruptcy proceeding and has been approved. This plan was provided to the Commission on October 25, 2012 in Case No. 2012-00319.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262**

**FUEL ADJUSTMENT CLAUSE**

**RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13**

**REQUEST 15**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 15.** a. During the period from November 1, 2012 through April 30, 2013, have there been any changes to East Kentucky's written policies and procedures regarding its fuel procurement?

b. If yes:

- (1) Describe the changes;
- (2) Provide the written policies and procedures as changed;
- (3) State the date(s) the changes were made; and
- (4) Explain why the changes were made.

c. If no, provide the date East Kentucky's current fuel procurement policies and procedures were last changed, when they were last provided to the Commission, and identify the proceeding in which they were provided.

**Response 15a-c.** On February 12, 2013, the East Kentucky Board of Directors updated Policy No. 404, Transaction Authority Limits for Energy and Energy Related Commodities and Transportation. A redacted copy of this policy is provided on pages 2 through 18 of this response. An unredacted copy is filed under seal along with a motion for confidential treatment of same. Confidential treatment was granted for the previous version of this document as tendered in Case No. 2011-00246. Also, East Kentucky updated its Fuel and Lime Procurement Manual on November 30, 2012. A copy of this manual is provided on pages 19 through 78 of this response.

EAST KENTUCKY POWER COOPERATIVE

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**FUEL & LIME PROCUREMENT MANUAL**

**ADOPTED FEBRUARY 27, 1981**

**Revised: November 30, 2012**

# COAL

<b>PROCEDURE FOR THE PROCUREMENT COAL</b>			C-1
Author: Fuel and Emissions Department	Adopted: 02/27/81	Page 1 of 13	
Revision: 3	By: Gail Varner	Revised Date: 11/30/12	Reviewed: Ernie Huff

Applies to: Fuel and Emissions, Environmental Affairs, Power Production, Finance,  
Power Supply, and Legal

Keywords: Coal

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## 1.0 Purpose

This procedure outlines the procurement, delivery, confirmation, testing, and payment of coal for use at East Kentucky Power Cooperative, Inc.'s ("EKPC") coal-fired power stations.

## 2.0 Terms and Definitions

- 2.1 Certificate of Insurance—Standard Association for Cooperative Operations Research and Development (ACORD) form that identifies the policies afforded by a supplier related to the requirements specified by EKPC contracts/purchase orders.
- 2.2 Coal—Bituminous fossil fuel used to fire boilers.
- 2.3 Coal Bidders List—List of current coal companies to submit requests for proposals stating their addresses, representative contacts, phone numbers, and applicable stations for bidding purposes (*Exhibit 6*).
- 2.4 Coal Proposal Form—Form completed and signed by potential supplier stating source, quality, quantity, and price of coal along with ownership disclosure in response to an RFP (*Exhibit 7*).
- 2.5 Coal Purchase Order Log Book—Log book containing sequential purchase order numbers for new coal purchase orders issued that states company name, issued date, applicable station, terms and revision(s), tonnage and revision(s), comments, and price of each purchase order.
- 2.6 Coal Sampling Procedures—Document prepared by EKPC's Central Lab that defines how to sample and analyze coal in a method that is recognized within the industry.

- 2.7 Coal Specifications and Information—Data sheet specifying each power station's delivery, pricing, and specifications for coal purchases (*Exhibit 8*).
- 2.8 Contract—Document binding seller to sell and ship designated product that is stating terms and conditions for coal deliveries to EKPC's power stations sent to a supplier for signatures after approval and before deliveries begin, which is typically a longer term than a purchase order.
- 2.9 Economy Purchase—Purchase made without competitive bidding in situations where the price is favorable in comparison with recent bids and unsolicited offers received and in comparison with published current market information.
- 2.10 Emergency Purchase—Purchase made without competitive bidding when there is an immediate need for coal in situations including but not limited to: failure of a fuel supplier to perform; increased fuel usage due to an increase in power sales; labor or transportation strikes; severe weather conditions; or inability of power stations to receive fuel by normal means.
- 2.11 Fixed Price—Price set in advance of issuance of a contract or purchase order. All applicable taxes, freight, fees, and profit margins are typically included.
- 2.12 Floating Price—Price that is subject to adjustments based upon predetermined indices or surcharges. All applicable taxes, freight, fees, and profit margins are typically included.
- 2.13 Fuel Evaluation System—Model designed by EKPC used to rank each potential coal supplier's total evaluated price using many measurable variables to accurately reflect the coal-related cost of generation per the various physical and chemical aspects of coal in conjunction with each power station's generating equipment attributes. *Exhibit 9* is a list of the variables that are reviewed annually or sooner if needed, and *Exhibit 10* is a manual that describes the program in further detail.
- 2.14 Fuel Negotiating Committee—Committee requiring a Board Director participation. The Director will be appointed annually per guidelines set in Section E, Management Committees from Policy No. 106 (*Exhibit 2*).
- 2.15 Governmental Imposition—Any change in federal, state, or local laws, regulations, ordinances, taxes, fees, special assessments, or similar levies, or a changed application, enforcement, or interpretation thereof, occurring after a date certain specified in a coal contract, directly relating to the mining, processing, or transportation of coal that results in a change of the seller's direct out-of-pocket costs.

- 2.16 IRMC—Internal Risk Management Committee has the authority to approve and oversee the processes used to identify, evaluate, and manage enterprise risk.
- 2.17 Long-Term—Duration of more than one year.
- 2.18 Policy No. 106—EKPC Board of Directors policy for the Establishment of Board Committees and Respective Charters (*Exhibit 2*).
- 2.19 Policy No. 116—EKPC Board of Directors Conflict of Interest Policy to ensure that all business affairs of EKPC are conducted in an ethical and businesslike manner in order to avoid all conflicts of interest or the appearance of any conflicts of interest in the conduct of the business affairs of EKPC (*Exhibit 3*).
- 2.20 Policy No. 404—EKPC Board of Directors Transaction Authority Limits for Energy and Energy Related Commodities and Transportation Policy providing authority matrices to delegate procurement approval levels for commodities and fuels (*Exhibit 4*).
- 2.21 Policy No. 405—EKPC Board of Directors Hedging Policy (1) guides disciplined hedging of forecasted power supply needs; (2) provides a method for identifying EKPC's risk tolerance and time horizon for hedging; (3) clarifies EKPC's hedging objectives; and (4) more clearly integrates the energy risk management governance structure, trading authority, risk reporting, and portfolio management functions (*Exhibit 5*).
- 2.22 Power Stations—Coal-fired power stations owned and operated by EKPC: Dale, Cooper, and Spurlock.
- 2.23 Purchase Order—Document binding seller to sell and ship designated product that is stating terms and conditions for coal deliveries to EKPC's power stations sent to a supplier for an acceptance signature after approval and before deliveries begin, which is typically a shorter term than a contract.
- 2.24 RFP—Request for proposal sent to prospective suppliers on EKPC's Coal Bidders List (*Exhibit 6*).
- 2.25 Short-Term—Duration of one year or less.
- 2.26 Spot Purchase—Purchase made with competitive bidding for a term of typically one year or less.

- 2.27 Supplier Scorecard—Spreadsheet that tracks measurable parameters of quality, quantity, services, and miscellaneous items on a monthly basis. The suppliers can receive a ranking of problem, concern, acceptable, or exceptional (*Exhibit 11*).
- 2.28 Test Purchase—Purchase made without competitive bidding to test a particular fuel for its suitability and burning characteristics at EKPC's power stations.
- 2.29 Trading Authority Transaction Matrix—Delegation of procurement approval authority.
- 2.30 W-9—Form required by the Internal Revenue Service for tax purposes to be completed by all suppliers stating business name, address, and federal tax identification number before payment is issued (*Exhibit 12*).

### 3.0 Responsibilities

- 3.1 Fuel and Emissions Manager
  - 3.1.1 Manages and directs Fuel Buyers, Administrative Assistant, and Fuel Analyst in the Fuel and Emissions department and assures compliance with Policy No. 116 (*Exhibit 3*).
  - 3.1.2 Ensures adequate coal deliveries to EKPC's power plants.
  - 3.1.3 Assures that Fuel and Emissions staff follow procedures as described herein and in the Fuel, Emissions, Limestone, and Lime Strategy (*Exhibit 1*) for the purchase and delivery of coal.
  - 3.1.4 Ensures all new contracts have been reviewed by legal, with the credit rating and insurance language reviewed by risk management.
  - 3.1.5 May waive a price adjustment if the circumstances or conditions warrant.
- 3.2 Power Plant Personnel
  - 3.2.1 Maintain the coal system at each of EKPC's relevant power stations to ensure its availability to unload coal deliveries.
  - 3.2.2 Advise the Fuel and Emissions department of any concerns regarding the product or product delivery.

- 3.2.3 Measure and determine weights of incoming coal at power stations.
- 3.2.4 Unload coal meeting required quality specifications.
- 3.2.5 Collect coal samples daily to be analyzed.
- 3.3 Fuel Buyers
  - 3.3.1 Determine quantities needed based on projected needs, inventories, and contracted purchases.
  - 3.3.2 Monitor coal qualities.
  - 3.3.3 Manage appropriate contract and/or purchase order(s) throughout the term of the order.
  - 3.3.4 Manage coal deliveries and inventory levels at each of EKPC's power stations daily.
- 3.4 Administrative Assistant
  - 3.4.1 Assists in managing the RFP process.
  - 3.4.2 Enters, revises, and finalizes compliant bids using the Fuel Evaluation System.
  - 3.4.3 Verifies all documentation is received per checklist (*Exhibit 13*) and files with appropriate contract(s) and/or purchase order (s).
- 3.5 Fuel Analyst
  - 3.5.1 Manages the Trading Authority Transaction Matrix.
  - 3.5.2 Assists in managing price adjustments.
  - 3.5.3 Audits Governmental Imposition claims.
  - 3.5.4 Provides forward-looking data of floating components for forecasting and sensitivity analysis as requested.
- 3.6 Central Lab Personnel
  - 3.6.1 Assist Power Plant Personnel in sampling of coal as needed.

- 3.6.2 Perform coal analysis daily for Dale and Cooper Power Stations and weekly for Spurlock Power Station.
- 3.6.3 Receive coal samples from Power Plant Personnel for analysis by independent commercial lab as needed.
- 3.6.4 Provide proper analysis of coal quality to Accounting so that payment is made based upon agreed terms related to coal quality in the contract.

### 3.7 Accounting

- 3.7.1 Enters and reconciles documentation received from Power Plant Personnel, Fuel and Emissions, and Central Lab into the accounting coal system to generate coal invoices for payment.
- 3.7.2 Reconciles barge and rail invoices received for payment.
- 3.7.3 Contacts responsible party to clarify any discrepancies in the invoices, receiving records, and/or lab analysis.
- 3.7.4 Approves payment and sends to treasury for disbursement.

## 4.0 Procedure

Due to changing environmental regulations, the Fuel and Emissions department maintains dialogue with the Environmental Affairs department to ensure that appropriate fuel quality is purchased, both short-term and long-term. The Fuel and Emissions department meets with the Environmental Affairs department to discuss any changes in plan of action before soliciting long-term supplies to account for any changes in laws or regulations.

Cooper Power Station has a maximum stockpile capacity of 268,000 tons and a maximum potential daily burn of 3,629 tons. Dale Power Station has a maximum stockpile capacity of 86,000 tons and a maximum potential daily burn of 2,413 tons. Spurlock Power Station Unit Nos. 1 and 2 have a maximum stockpile capacity of 450,000 tons and a maximum potential daily burn of 9,194 tons. Gilbert Unit No. 3 and Spurlock Unit No. 4 at Spurlock Power Station have a maximum stockpile capacity of 350,000 tons and a maximum potential daily burn of 7,004 tons.

- 4.1 Determine if an RFP is required.
  - 4.1.1 Review projected burns from Power Supply.

- 4.1.2 Compare projected burns with the current contracts, purchase orders, and stockpile inventories to determine if there is a need to purchase coal in conjunction with Policy No. 405 (*Exhibit 5*).
- 4.1.3 Determine the amount of coal to be purchased and type of purchase to be made (contract or purchase order) to maintain adequate inventories at each applicable coal-fired power station.
- 4.2 Determine if RFP should be written or verbal. (RFPs are not required for economy, emergency, or test purchases.)
  - 4.2.1 Create a written RFP for contract purchases.
  - 4.2.2 Create a written or verbal RFP for spot purchases. (Verbal RFPs are confirmed by written documentation.) Active proposals on file may also be considered for these purchases. Suppliers are notified through letters, trade publications, and personal conversations that EKPC is continuously evaluating spot market coal and will accept proposals at any time for consideration. Only suppliers who have demonstrated their ability to supply the appropriate coal required are contacted on verbal solicitations.
  - 4.2.3 Identify need for an economy, emergency, or test purchase in which no RFP is required. (There are no quantity limits on emergency purchases. Economy and tests purchases shall not exceed 25,000 tons.)
- 4.3 Issue a written or verbal RFP to obtain approved contract(s) and/or purchase order(s). The steps for issuing an RFP are as follows:
  - 4.3.1 Fuel Buyers determine term, quality, and quantity for coal of RFP based on projected needs using the Coal Specifications and Information data (*Exhibit 8*) as a guideline.
  - 4.3.2 Fuel Buyers develop and coordinate test for possible product or handling improvement. Improvement may be in terms of economics, compatibility, flexibility, or dependability.
  - 4.3.3 Fuel Buyers create an RFP template (*Exhibit 14*) stating applicable delivery locations, term, quality, quantity, and price options including the performance bond requirement and also include the Coal Specifications and Information data (*Exhibit 8*) as well as the Coal Proposal Form (*Exhibit 7*).

- 4.3.4 Fuel and Emissions Manager and Administrative Assistant review RFP template before RFP is issued.
- 4.3.5 Issue RFP for sealed proposals for coal to bidders on EKPC's Coal Bidders Lists (*Exhibit 6*). (Economy, emergency, and test coal proposals may be made verbally and confirmed by written documentation.)
- 4.4 Open all sealed proposals on or after due date of RFP.
  - 4.4.1 Two Fuel and Emissions personnel must be present on proposal openings for spot purchase orders. A member of the Fuel Negotiating Committee, legal counsel, and two Fuel and Emissions personnel must be present on proposal openings for contracts.
  - 4.4.2 Administrative Assistant logs proposals reviewed.
  - 4.4.3 Sign log of proposals by those present at opening.
  - 4.4.4 Determine if price negotiations are warranted and obtain approval to negotiate from the Fuel Negotiating Committee.
- 4.5 Fuel Buyers evaluate valid opened coal proposals.
  - 4.5.1 Handle proposals that are received after the deadline on a case-by-case basis to determine their eligibility for evaluation. If legitimate information can be obtained to determine that the proposal was sent to be received before the deadline, a proposal that is received after the deadline may be considered; otherwise, proposals received after the deadline will not be considered.
  - 4.5.2 Determine weighted average price for each proposal.
  - 4.5.3 Confirm parameters in the Fuel Evaluation System and update as needed.
  - 4.5.4 Administrative Assistant enters proposals into the Fuel Evaluation System.
  - 4.5.5 Fuel Buyer and Administrative Assistant perform data entry verification using the proposal opening form (*Exhibit 15*) with every coal evaluation. This form shows the personnel involved in opening the proposals and provides additional measures to aid in the accuracy of the data input.

- 4.5.6 Determine if the lowest evaluated, delivered priced proposal(s), as ranked by the Fuel Evaluation System, meets EKPC's requirements as specified in the corresponding RFP to develop a short list of potential supplier(s).
- 4.5.7 Evaluate supplier(s) performance capabilities as outlined in the Fuel, Emission, Limestone, and Lime Strategy (*Exhibit 1*).
- 4.5.8 Initiate concerted internal review process with Fuel and Emissions, Environmental Affairs, Power Production, Finance, Power Supply, and Legal departments as well as the IRMC to evaluate proposals as needed. This internal control step fosters a global perspective of the evaluation process and is particularly important for new projects.
- 4.5.9 Negotiate terms and conditions with selected supplier(s) from short list.
- 4.5.10 Conduct field visit(s), if necessary, to evaluate the facilities, reserves, quality, production capabilities, etc., of the supplier(s) with competitive proposals to evaluate physical risk.
- 4.5.11 Prepare a field evaluation report if a field visit is conducted.
- 4.5.12 Ensure that the necessary due diligence is done in evaluating the credit worthiness and financial stability of all potential suppliers for the Fuel and Emissions department before entering into any binding contracts. The financial evaluation may be outsourced to a risk management service provider, which would have extensive experience and access to financial information for making a recommendation as to what extent EKPC should enter contractual commitments with reasonable financial risks. This may also be performed internally by requesting the supplier's audited financial statement, ratios, and key performance indicators. This information would then be provided to the Finance department for their review and approval.
- 4.5.13 Draft approval memorandum—including economy, emergency, and test purchases—to management (*Exhibit 16*) recommending the most economic supplier(s) of coal meeting the corresponding RFP's specifications while balancing risk.
- 4.5.14 Management approves memorandum in accordance with Policy No. 404 (*Exhibit 4*).

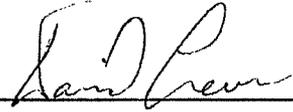
- 4.6 Fuel Buyers prepare contract(s) and/or purchase order(s) that are approved by legal counsel, with insurance requirements to be approved by risk management.
  - 4.6.1 Contract(s) and/or purchase order(s) includes destination, quality, quantity, price, price adjustments, acceptance parameters, insurance terms, payment terms, and other terms and conditions.
  - 4.6.2 Incorporate appropriate price adjustments of coal failing to meet the minimum specifications of the contract and/or purchase order using a price adjustment schedule that ensures the value of coal received is commensurate with the price paid.
  - 4.6.3 Request W-9 (*Exhibit 12*) and Certificate of Insurance forms from selected supplier(s) if not already on file.
  - 4.6.4 Administrative Assistant forwards W-9 (*Exhibit 12*) to Accounting and Certificate of Insurance to Director of Risk for approval.
  - 4.6.5 Fuel Buyers send draft contract(s) and/or purchase order(s) to supplier(s) for review.
  - 4.6.6 Request additional approval from the Fuel and Emissions Manager and legal counsel if changes are made to the previously approved draft.
- 4.7 Fuel Buyers coordinate the execution of coal contract(s) and purchase order(s).
  - 4.7.1 Fuel Buyers obtain a sequential purchase order number from the fuel and emission's Coal Purchase Order Log Book after appropriate review and/or approval is given by the Fuel and Emissions Manager and legal counsel for purchase orders only.
  - 4.7.2 Administrative Assistant reviews contract(s) and purchase order(s) and circulates for signatures prior to distribution.
  - 4.7.3 Administrative Assistant, at the direction of the Fuel Buyers, distributes the executed contract(s) and/or purchase order(s) internally as well as to EKPC's risk management service provider within five business days after trade execution for capture in a risk management system as per Policy No. 404 (*Exhibit 4*).
  - 4.7.4 Fuel Analyst logs approved contract(s) and purchase order(s) on Trading Authority Transaction Matrix.

- 4.7.5 Administrative Assistant files executed contract(s) and purchase order(s) in Fuel and Emissions' department files with documentation per checklist (*Exhibit 13*).
- 4.8 Fuel and Emissions personnel schedule coal from the then current contract(s) and/or purchase order(s) to replenish depleted power station supply based on power station need.
  - 4.8.1 Provide selected supplier(s) and barge and train carriers, if applicable, a projected delivery schedule each month for Spurlock Power Station.
- 4.9 Power Plant Personnel receive delivery of coal.
  - 4.9.1 Weigh trucks daily using certified scales at Dale and Cooper Power Stations for inventory measures and payment. Both gross and tare weights are taken and net weights are determined.
  - 4.9.2 Use calibrated belt scales at Spurlock Power Station to verify barge origin weights or certified barge drafts for determination of destination weights for inventory measures and/or payment as specified by applicable contract or purchase order. (Barge Drafting *Exhibit 17*)
  - 4.9.3 Use weights taken and reported by the railroad transporting the coal to the power station. Certified supplier weights approved by the railroad transporting the coal may be used.
  - 4.9.4 Collect adequate samples of coal deliveries for payment, when applicable, and quality control as required for their respective power station.
  - 4.9.5 Collect and forward information to Accounting stating coal receipts, burn, and stockpile balance.
- 4.10 Central Lab Personnel assist Power Plant Personnel in sampling of coal as needed and perform coal analysis daily for Dale and Cooper Power Stations and weekly for Spurlock Power Station.
  - 4.10.1 Perform sampling and analysis based on the Coal Sampling Procedures. Copies are available upon request from Central Lab.
  - 4.10.2 Use origin samples and/or analysis by a third-party, commercial lab when appropriate.
- 4.11 Fuel Buyers monitor supplier performance.

- 4.11.1 Determine if the supplier has met the specifications as outlined on the applicable contract(s) and/or purchase order(s). Performance is trended using the Supplier Scorecard (*Exhibit 11*).
  - 4.11.2 Consult with the Fuel and Emissions Manager if the contract specifications are not met.
  - 4.11.3 The Fuel and Emissions Manager may approve waiving a price adjustment if the circumstances or conditions warrant.
- 4.12 Verify receipt of deliveries, generate coal invoices, and reconcile freight invoices.
- 4.12.1 Fuel Analyst enters deliveries for each contract(s) and purchase order(s) on Trading Authority Transaction Matrix.
  - 4.12.2 Fuel Buyers review and verify floating price adjustments for production and transportation surcharges as needed.
  - 4.12.3 Accounting reconciles documentation entered into the accounting computer system (e.g., receipt, burn, analysis, and contract and/or purchase order terms and conditions) from Power Plant Personnel, Fuel and Emissions, and Central Lab to generate coal invoices.
  - 4.12.4 Accounting reconciles barge and rail invoices received for payment.
  - 4.12.5 Accounting contacts responsible party to clarify any discrepancies.
  - 4.12.6 Accounting receives Accounting supervisor approval on all invoices and sends to accounts payable for payment.

**5.0 Effective Date**

5.1 All departments at EKPC shall be fully compliant with this procedure by January 31, 2013.

**SIGNATURE:** 

**APPROVED:** 12/21/2012

Amended: 02/19/01  
Amended: 07/12/04  
Amended: 11/30/12

# EMISSIONS

<b>PROCEDURE FOR THE PROCUREMENT OF EMISSION ALLOWANCES</b>			E-1
Author: Fuel and Emissions Department	Adopted: 07/12/04	Page 1 of 9	
Revision: 1	By: Gail Varner	Revised Date: 11/30/12	Reviewed: Ernie Huff

Applies to: Fuel and Emissions, Environmental Affairs, Power Production, Finance, Power Supply, and Legal

Keywords: Emission Allowances

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## 1.0 Purpose

This procedure outlines the procurement, delivery, confirmation, and payment of emission allowances for use at East Kentucky Power Cooperative, Inc.'s ("EKPC") power stations.

## 2.0 Terms and Definitions

- 2.1 Acquisition Schedule—Schedule prepared to designate, by quarter, the amount of allowances needed to be purchased to meet the dollar cost averaging method for hedging allowances (*Exhibit 22*).
- 2.2 Acid Rain Program—A program established by Title IV of the 1990 Clean Air Act setting a decreasing cap on SO<sub>2</sub> emissions.
- 2.3 Allocations—Quantity of allowances provided to electric utilities for a given vintage year to be used to offset actual plant emissions occurring in that year or a later year.
- 2.4 Amortization Schedule—Schedule prepared to show allocations, projected purchases, emissions, and estimated inventory of SO<sub>2</sub>, Seasonal NO<sub>x</sub>, and Annual NO<sub>x</sub> (*Exhibit 21*).
- 2.5 Annual NO<sub>x</sub>—NO<sub>x</sub> that is controlled by an individual program within CAIR including its own separate allocations from seasonal NO<sub>x</sub> for an entire calendar year.
- 2.6 Bid—The term used, within the trading system when utilizing a broker, to designate the amount a buyer would pay for one allowance (see also Offer).

- 2.7 Clean Air Markets Division ("CAMD") Business System—An interactive web based business application that enables sources to perform various tasks online, including, but not limited to, transfer allowances, view account balances, and track allowances.
- 2.8 Clean Air Interstate Rule ("CAIR")—A cap-and-trade program promulgated by the EPA in 2005, covering 28 states in the eastern United States and the District of Columbia. It was designed to reduce sulfur dioxide (SO<sub>2</sub>) and nitrogen oxide (NO<sub>x</sub>) emissions in order to help States meet their National Ambient Air Quality Standards (NAAQS) for ozone and particulate matter (PM<sub>2.5</sub>) and to require further emissions reductions already achieved through the Acid Rain Program and the NO<sub>x</sub> State Implementation Plan call program. The rule was set to commence in 2009 for SO<sub>2</sub>, seasonal NO<sub>x</sub>, and annual NO<sub>x</sub> emissions. Compliance with CAIR is required by the court system until EPA can revise the rule based on court imposed guidelines.
- 2.9 Clean Air Transport Rule ("CATR")—EPA rule finalized on July 6, 2011, to replace CAIR and require further reductions in SO<sub>2</sub> and NO<sub>x</sub>. The rule was revised and is currently called CSAPR.
- 2.10 Combustion Turbine ("CT")—An electric generating unit utilizing natural gas or No. 2 fuel oil.
- 2.11 Confirmation—Form sent by broker or seller to document agreed upon product, price, vintage year, quantity, and term (*Exhibit 18*).
- 2.12 Consent Decree for New Source Performance Standards ("CD")—A final, binding judicial decree or judgment between EKPC and the EPA memorializing a voluntary agreement between the parties to a suit in return for withdrawal of a criminal charge or an end to a civil litigation. It establishes various thresholds that EKPC cannot exceed, including, but not limited to, maximum tons of emissions by year for SO<sub>2</sub> and NO<sub>x</sub>.
- 2.13 Cross-State Air Pollution Rule ("CSAPR")—EPA rule finalized on July 6, 2011, to replace CAIR and require further reductions in SO<sub>2</sub> and NO<sub>x</sub>. This rule was previously known as CATR and as of October 15, 2012, EPA has appealed the District of Columbia Court of Appeals action to remand CSAPR back to EPA and continue CAIR until revisions or a replacement rule can be established.
- 2.14 Emissions—Constituents of the flue gas occurring as a result of the combustion of a fuel, and for the intent of this document, refers to SO<sub>2</sub>, Seasonal NO<sub>x</sub>, and Annual NO<sub>x</sub>.

- 2.15 Environmental Protection Agency ("EPA")—An agency of the United States federal government that was created for the purpose of protecting human health and the environment by writing and enforcing regulations based on laws passed by Congress.
- 2.17 National Ambient Air Quality Standards ("NAAQS")—The maximum permissible levels of common pollutants in the ambient (outdoor) air set by EPA.
- 2.18 Natural Gas—A naturally occurring hydrocarbon gas mixture consisting primarily of methane, with other hydrocarbons, carbon dioxide, nitrogen, and hydrogen sulfide. Natural gas is used in the production of electricity in its CT units at the J. K. Smith Power Station.
- 2.19 No. 2 Fuel Oil—Dyed ultra-low sulfur diesel fuel containing a maximum 15 ppm sulfur that is used for off-road purposes such as unit startups and flame stabilization in the coal-fired generation fleet and a backup fuel in the CT fleet (Unit Nos. 1 through 7).
- 2.20 NO<sub>x</sub> State Implementation Plan (SIP) call program—This program established by the EPA required 22 states and the District of Columbia to provide NO<sub>x</sub> emission reductions to mitigate ozone transport in the eastern United States. This was established for the warm summer months, referred to as the ozone season, when ground-level ozone concentrations are highest.
- 2.21 Nitrogen Oxides ("NO<sub>x</sub>")—Refers to nitric oxide and nitrogen that are controlled through various programs and termed as Seasonal (Ozone) NO<sub>x</sub> and Annual NO<sub>x</sub> in the CAIR program.
- 2.22 Offer—The term used within the trading system when utilizing a broker to designate the amount a seller would sell one allowance (see also Bid).
- 2.23 Ozone (Seasonal) NO<sub>x</sub>—Interchangeable terms for NO<sub>x</sub> that is controlled by an individual program within CAIR including its own separate allocations from Annual NO<sub>x</sub> for a time period beginning May 1 of each calendar year through September 30 of the same calendar year.
- 2.24 Policy No. 116—EKPC Board of Directors Conflict of Interest Policy to ensure that all business affairs of EKPC are conducted in an ethical and businesslike manner in order to avoid all conflicts of interest or the appearance of any conflicts of interest in the conduct of the business affairs of EKPC (*Exhibit 3*).
- 2.25 Policy No. 404—EKPC Board of Directors Transaction Authority Limits for Energy and Energy Related Commodities and Transportation Policy

providing authority matrices to delegate procurement approval levels for commodities and fuels (*Exhibit 4*).

- 2.26 Power Stations—Electric power generating plants owned and operated by EKPC: Dale, Cooper, Spurlock, and J. K. Smith. Dale, Cooper, and Spurlock Power Stations are coal-fired power plants, and J. K. Smith is a power plant compiled of seven CT units that are fueled by natural gas (primary) and No. 2 fuel oil (secondary). J.K. Smith also has two units that are natural gas only.
- 2.27 Seasonal (Ozone) NO<sub>x</sub>—Interchangeable terms for NO<sub>x</sub> that is controlled by an individual program within CAIR including its own separate allocations from Annual NO<sub>x</sub> for a time period beginning May 1 of each calendar year through September 30 of the same calendar year.
- 2.28 Sulfur Dioxide ("SO<sub>2</sub>")—A toxic gas created in the combustion process of fuels that contain sulfur and are controlled through various programs such as CAIR.
- 2.29 Trading Authority Transaction Matrix—Delegation of procurement approval authority.
- 2.30 Transaction Schedule—Schedule showing all pertinent information of individual allowance purchases (*Exhibit 19*).
- 2.31 Vintage Year—The date of the allowance certificate and the first allowable year in which the allowance can be used to apply towards emissions.
- 2.32 W-9—Form required by the Internal Revenue Service for tax purposes to be completed by all suppliers stating business name, address, and federal tax identification number before payment is issued (*Exhibit 12*).

### **3.0 Responsibilities**

- 3.1 Fuel and Emissions Manager
  - 3.1.1 Manages and directs Fuel Buyers, Administrative Assistant, and Fuel Analyst in the Fuel and Emissions department and assures compliance with Policy No. 116 (*Exhibit 3*).
  - 3.1.2 Ensures adequate emission allowances are held in an amount equal to or greater than the quantity of actual emissions from EKPC's power station(s).

- 3.1.3 Assures that Fuel and Emissions staff follow procedures as described herein and in the Fuel, Emissions, Limestone, and Lime Strategy (*Exhibit 1*) for the purchase and delivery of emission allowances.
- 3.2 Power Plant Personnel
  - 3.2.1 Advise Fuel and Emissions and Power Supply Planning of generating unit outages that could affect the quantity of emissions.
- 3.3 Fuel Buyers
  - 3.3.1 Monitor EKPC's inventory of emission allowances and make recommendations regarding future allowance purchases.
  - 3.3.2 Negotiate contract terms of emission allowance contracts.
  - 3.3.3 Complete schedule of emission allowance position (receipts, usage, and inventory) for Environmental Affairs and Legal planning purposes.
- 3.4 Administrative Assistant
  - 3.4.1 Assists in managing the emissions contract process.
  - 3.4.2 Completes emissions allowance Transaction Schedule (*Exhibit 19*).
  - 3.4.3 Verify that W-9 (*Exhibit 12*) is received from the counterparty of each emission allowance contract.
- 3.5 Fuel Analyst
  - 3.5.1 Manage the Trading Authority Transaction Matrix.
- 3.6 Power Supply Planning
  - 3.6.1 Determine short- and long-term projected emissions.
- 3.7 Environmental Affairs
  - 3.7.1 Communicate testing schedules to Power Supply Planning and Fuel & Emissions.

3.7.2 Perform yearly process of transferring appropriate allowances to EPA unit accounts prior to EPA retiring allowances.

3.8 Accounting

3.8.1 Approves payment and sends to treasury for disbursement.

3.8.2 Maintains schedule of allowances and cost for use in the environmental surcharge.

**4.0 Procedure**

EKPC is currently, as of October 1, 2012, operating under CAIR rules and receives allocations of emission allowances at the beginning of the year that can be used to offset actual emissions during the year. CAIR was remanded back to EPA by the court system for modifications. EPA then developed CATR which was then revised and re-termed CSAPR. The courts then ruled against CSAPR and EPA appealed the ruling. In ruling against CSAPR, the courts declared that CAIR remain in effect until CSAPR is revised or a replacement rule is developed. Under CAIR, two SO<sub>2</sub> allowances with a vintage year from January 1, 2010, through December 31, 2014, are surrendered for every one ton of emissions. Also, under CAIR, 2.86 SO<sub>2</sub> allowances with a vintage year of 2015 or later are surrendered for every one ton of emissions.

4.1 Determine power plant emissions.

4.1.1 Power Plant Personnel communicate daily to Power Supply Planning the availability of each unit.

4.1.2 Environmental Affairs communicates testing schedules to Power Supply Planning.

4.1.3 Fuel Buyer provides monthly SO<sub>2</sub>, Seasonal NO<sub>x</sub>, and Annual NO<sub>x</sub> replacement cost (*Exhibit 20*).

4.1.4 Power Supply Planning calculates projected emissions using various factors including, but not limited to, weather, price, unit availability, applicable EPA rule allocations, and CD requirements.

4.2 Determine quantity and timing of hedged purchases.

4.2.1 Fuel Buyer completes amortization schedule (*Exhibit 21*) and calculates quantity of purchases required over the following three-year period. Input is received from Power Supply Planning and Environmental Affairs including, but not limited to, projected

emissions, variability anticipated, allocations, and any regulation changes.

4.2.2 Fuel Buyer completes acquisition schedule (*Exhibit 22*) using yearly projected purchase amounts from amortization schedule (*Exhibit 21*).

4.3 Purchase emission allowances.

4.3.1 Fuel Buyer determines price estimate based on industry data and confirms with Fuel Manager.

4.3.2 Fuel Buyer contacts emissions broker or utility and conveys projected quantity. Determine price and quantity of bid for broker to attempt to fill based on current offers. This may be a reiterative process.

4.3.3 Fuel Buyer exercises agreement to price, quantity, and emission product based on Policy No. 404 (*Exhibit 4*). If purchase is not within the Fuel Buyer authority, he will need to obtain a pre-approved authority limit from the Fuel Manager or Senior Vice President of Power Supply.

4.4 Confirm deal and negotiate contract.

4.4.1 Broker or counterparty sends confirmation (*Exhibit 18*).

4.4.2 Fuel Buyer verifies confirmation (*Exhibit 18*) information.

4.4.3 Fuel Buyer sends draft contract to counterparty or receives/reviews draft from counterparty.

4.4.4 Negotiate contract with counterparty utilizing Legal and input from appropriate EKPC personnel as required.

4.4.5 Administrative Assistant adds contract information to emission allowance Transaction Schedule (*Exhibit 19*).

4.5 Execute emission allowance contract.

4.5.1 Fuel Buyer coordinates the execution of the emission allowance contract.

4.5.2 Administrative Assistant circulates contract for review and signature prior to distribution.

- 4.5.3 Fuel Buyer and/or Administrative Assistant secure W-9 from supplier.
- 4.5.4 Administrative Assistant, at the direction of the Fuel Buyer, distributes the executed contract internally as well as to EKPC's risk management service provider within five business days after trade execution for capture in a risk management system as per Policy No. 404 (*Exhibit 4*).
- 4.5.5 Fuel Analyst logs approved contract in Trading Authority Transaction Matrix.
- 4.5.6 Administrative Assistant files executed contract in Fuel and Emissions' department files with back-up documentation.
- 4.6 Confirm delivery of emission allowances.
  - 4.6.1 Fuel Buyer verifies EPA confirmation of counterparty transfer into EKPC account including, but not limited to, counterparty, product, vintage year, quantity, and EKPC account.
  - 4.6.2 Fuel Buyer investigates erroneous information, when applicable, with counterparty, EPA, and/or Environmental Affairs.
- 4.7 Ensure unit accounts have sufficient quantities of allowances.
  - 4.7.1 Environmental Affairs uses the CAMD Business System to transfer and track allowances so that unit accounts have the appropriate quantity of allowances prior to EPA retiring the allowances.
  - 4.7.2 Fuel Buyer confirms quantities and accounts initiated by Environmental Affairs.
  - 4.7.3 Environmental Affairs in concert with Legal, determines if any further actions are required regarding the CD.
  - 4.7.4 EPA retires Seasonal NO<sub>x</sub> allowances from EKPC unit accounts, on a date certain, approximately November 1, to equal the total of emissions by EKPC power stations during May 1 through September 30 of the current calendar year.
  - 4.7.5 EPA retires SO<sub>2</sub> and Annual NO<sub>x</sub> allowances from EKPC unit accounts, on a date certain, approximately March 1, to equal the total of emissions by EKPC power stations during the prior calendar year.

- 4.8 Approve invoice.
  - 4.8.1 Fuel Buyer receives counterparty and/or broker invoice and verifies quantity, price, and extended amount due.
  - 4.8.2 Fuel Buyer investigates discrepancies on counterparty and/or broker invoice, if applicable.
  - 4.8.3 Fuel Manager approves counterparty and broker invoice for payment.
  - 4.8.4 Administrative Assistant sends invoice and a copy of the EPA delivery confirmation to Accounting for payment.
  - 4.8.5 Accounting receives Accounting supervisor approval on invoice(s) and sends to accounts payable for payment.
  - 4.8.6 Fuel Analyst enters purchase and delivery for each emission allowance contract on Trading Authority Transaction Matrix.
  - 4.8.7 Accounting completes tracking worksheet including allowances and total cost for use in the environmental surcharge calculation.

**5.0 Effective Date**

- 5.1 All departments at EKPC shall be fully compliant with this procedure by January 31, 2013.

SIGNATURE:

  
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APPROVED:

12/21/2012  
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Amended: 11/30/12

# LIME/LIMESTONE

<b>PROCEDURE FOR THE PROCUREMENT OF LIME, LIME KILN DUST, AND LIMESTONE</b>			L-1
Author: Fuel and Emissions Department		Adopted: 02/27/81	Page 1 of 9
Revision: 3	By: Gail Varner	Revised Date: 11/30/12	Reviewed: Ernie Huff

Applies to: Fuel and Emissions, Environmental Affairs, Power Production, Finance, Power Supply, and Legal

Keywords: Lime, Lime Kiln Dust, and Limestone

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## 1.0 Purpose

This procedure outlines the procurement, delivery, confirmation, testing, and payment of lime, lime kiln dust, and limestone to be used in the scrubbers, SCRs, and circulating fluidized bed units for East Kentucky Power Cooperative, Inc.'s ("EKPC") power stations.

## 2.0 Terms and Definitions

- 2.1 Certificate of Insurance—Standard Association for Cooperative Operations Research and Development (ACORD) form that identifies the policies afforded by a supplier related to the requirements specified by EKPC contracts/purchase orders.
- 2.2 CFB—Circulating fluidized bed boilers in Gilbert Unit No. 3 at Spurlock Power Station and Spurlock Power Station Unit No. 4.
- 2.3 Contract—Document binding seller to sell and ship designated product that is stating terms and conditions for lime, lime kiln dust, and limestone deliveries to EKPC's power stations sent to a supplier for signatures after approval and before deliveries begin, which is typically a longer term than a purchase order.
- 2.4 Economy Purchase—Purchase made without competitive bidding in situations where the price is favorable in comparison with recent bids and unsolicited offers received and in comparison with purchased current market information.
- 2.5 Emergency Purchase—Purchase made without competitive bidding when there is an immediate need for lime, lime kiln dust, or limestone in situations including but not limited to: failure of a lime, lime kiln dust, or

limestone supplier to perform; increased fuel usage due to an increase in power sales; labor or transportation strikes; severe weather conditions; or inability of power stations to receive lime, lime kiln dust, or limestone by normal means.

- 2.6 Fixed Price—Price set in advance of issuance of a contract or purchase order. All applicable taxes, freight, fees, and profit margins are typically included.
- 2.7 Floating Price—Price that is subject to adjustments based upon predetermined indices or surcharges. All applicable taxes, freight, fees, and profit margins are typically included.
- 2.8 Fuel Negotiating Committee—Committee requiring Board of Director participation. The Director will be appointed annually per guidelines set in Section E, Management Committees from Policy No. 106 (*Exhibit 2*).
- 2.9 IRMC—Internal Risk Management Committee has the authority to approve and oversee the processes used to identify, evaluate, and manage enterprise risk.
- 2.10 Lime—Calcium oxide (CaO) used to absorb SO<sub>x</sub> emissions generated from the burning of coal at Cooper Power Station.
- 2.11 Lime Kiln Dust—Used to extend the life of the SCR catalysts in the scrubbed units of Spurlock Power Station Unit Nos. 1 and 2.
- 2.12 Limestone—Calcium carbonate (CaCO<sub>3</sub>) used to absorb sulfur from the coal at Spurlock Power Station.
- 2.13 Policy No. 106—EKPC Board of Directors policy for the Establishment of Board Committees and Respective Charters (*Exhibit 2*).
- 2.14 Policy No. 116—EKPC Board of Directors Conflict of Interest Policy to ensure that all business affairs of EKPC are conducted in an ethical and businesslike manner in order to avoid all conflicts of interest or the appearance of any conflicts of interest in the conduct of the business affairs of EKPC (*Exhibit 3*).
- 2.15 Policy No. 404—EKPC Board of Directors Transaction Authority Limits for Energy and Energy Related Commodities and Transportation Policy providing authority matrices to delegate procurement approval levels for commodities and fuels (*Exhibit 4*).
- 2.16 Power Stations—Coal-fired power stations owned and operated by EKPC: Dale, Cooper, and Spurlock. Cooper Power Station utilizes lime in a dry

scrubber. Spurlock Power Station utilizes limestone in wet scrubbers and the CFB units as well as lime kiln dust in the scrubbed units.

- 2.17 Purchase Order—Document binding seller to sell and ship designated product that is stating terms and conditions for lime, lime kiln dust, and limestone deliveries to EKPC's power stations sent to a supplier for an acceptance signature after approval and before deliveries begin, which is typically a shorter term than a contract.
- 2.18 RFP—Request for proposal sent to prospective suppliers on EKPC's Lime and/or Limestone Bidders List (*Exhibit 23*) to bid for lime and/or limestone.
- 2.19 SCR—Selective catalytic reduction equipment used for the reduction of NO<sub>x</sub> emissions in the scrubbed units.
- 2.20 Scrubber—Flue gas desulfurization equipment used for the reduction of SO<sub>x</sub> emissions in the scrubbed units at Cooper and Spurlock Power Stations.
- 2.21 Test Purchase—Purchase made without competitive bidding to test a particular product for its suitability and burning characteristics at EKPC's power stations.
- 2.22 Trading Authority Transaction Matrix—Delegation of procurement approval authority.
- 2.23 W-9—Form required by the Internal Revenue Service for tax purposes to be completed by all suppliers stating business name, address, and federal tax identification number before payment is issued (*Exhibit 12*).

### 3.0 Responsibilities

- 3.1 Fuel and Emissions Manager
  - 3.1.1 Manages and directs Fuel Buyers, Administrative Assistant, and Fuel Analyst in the Fuel and Emissions department and assures compliance with Policy No. 116 (*Exhibit 3*).
  - 3.1.2 Ensures adequate lime, lime kiln dust, and limestone deliveries to EKPC's power plants.
  - 3.1.3 Assures that Fuel and Emissions staff follow procedures as described herein and in the Fuel, Emissions, Limestone, and Lime Strategy (*Exhibit 1*) for the purchase and delivery of lime, lime kiln dust, and limestone.

3.2 Power Plant Personnel

- 3.2.1 Maintain the lime, lime kiln dust, and limestone system at each of EKPC's relevant power stations to ensure its availability to unload lime, lime kiln dust, and limestone deliveries.
- 3.2.2 Monitor the lime, lime kiln dust, and limestone inventory levels at each of EKPC's relevant power stations daily.
- 3.2.3 Advise the Fuel and Emissions department of any concerns regarding the product or product delivery.
- 3.2.5 Collect lime, lime kiln dust, and limestone samples to be analyzed as needed.
- 3.2.6 Weigh trucks randomly to verify origin weights once a week when deliveries occur.

3.3 Fuel Buyers

- 3.3.1 Determine quantities needed based on historic and projected needs.
- 3.3.2 Monitor lime, lime kiln dust, and limestone qualities.
- 3.3.3 Manage appropriate contract and/or purchase order(s) throughout the term of the order.
- 3.3.4 Manage lime, lime kiln dust, and limestone deliveries and/or inventory levels at each of EKPC's power stations daily.

3.4 Administrative Assistant

- 3.4.1 Assists in managing the RFP process.
- 3.4.2 Reviews contracts and/or purchase order(s).
- 3.4.3 Verifies all documentation is received per checklist (*Exhibit 13*) and files with appropriate contract(s) and/or purchase order (s).

3.5 Fuel Analyst

- 3.5.1 Manages the Trading Authority Transaction Matrix.
- 3.5.2 Assists in managing price adjustments.

3.5.3 Identify the fixed and floating component percentages of the year-to-date spend.

3.6 Central Lab Personnel

3.6.1 Assist Cooper Power Station plant personnel in sampling and analysis of lime as needed.

3.6.2 Receive limestone samples from Spurlock Power Station plant personnel for analysis by independent commercial lab.

3.7 Accounting

3.7.1 Reconciles all documentation from Power Plant Personnel and Fuel Buyers against invoices.

3.7.2 Logs receipt information into accounting computer system.

3.7.3 Contacts responsible party to clarify any discrepancies in the invoices, receiving records, and/or lab analysis.

3.7.4 Approves payment and sends to treasury for disbursement.

**4.0 Procedure**

Cooper Power Station has an above-ground silo that holds approximately 1,067 tons of lime. This silo is maintained at near capacity level.

Spurlock Power Station has a scrubber limestone shed that holds approximately 4,000 tons and a CFB limestone shed that holds approximately 4,000 tons. These sheds are maintained at near capacity levels. A contingency stockpile of 20,000 tons of limestone is also maintained for the scrubbers and another 20,000 tons for the CFBs. Spurlock Power Station also has a silo that holds approximately 250 tons of lime kiln dust. It is maintained at near capacity level.

4.1 Issue RFP to obtain approved contract(s) and/or purchase order(s). The steps for issuing an RFP are as follows:

4.1.1 Fuel Buyers determine term, quality, and quantity for lime, lime kiln dust, and limestone of RFP based on historic and projected needs.

- 4.1.2 Develop and coordinate test for possible product or handling improvement. Improvement may be in terms of economics, compatibility, flexibility, or dependability.
  - 4.1.3 Fuel Buyers create an RFP template (*Exhibit 24*) stating applicable delivery locations, term, quality, quantity, and price options.
  - 4.1.4 Fuel and Emissions Manager and Administrative Assistant review RFP template (*Exhibit 24*) before RFP is issued.
  - 4.1.5 Issue RFP for sealed proposals for lime and limestone to bidders on EKPC's Lime and/or Limestone Bidders Lists (*Exhibit 23*). (No RFP is currently required for lime kiln dust due to sole source. In addition, economy, emergency, and test lime and limestone proposals may be made verbally and confirmed by written documentation.)
- 4.2 Open all sealed proposals on or after due date of RFP.
- 4.2.1 Two Fuel and Emissions personnel must be present on proposal openings for purchase orders. A member of the Fuel Negotiating Committee, legal counsel, and two Fuel and Emissions personnel must be present on proposal openings for contracts.
  - 4.2.2 Administrative Assistant logs proposals reviewed.
  - 4.2.3 Sign log of proposals by those present at opening.
- 4.3 Fuel Buyers evaluate valid opened lime, lime kiln dust, and limestone proposals.
- 4.3.1 Rank opened proposals in order of lowest to highest cost for fixed and/or floating pricing.
  - 4.3.2 Determine if lowest priced proposal(s) meets EKPC's requirements as specified in the corresponding RFP.
  - 4.3.3 Evaluate supplier(s) performance capabilities.
  - 4.3.4 Initiate concerted internal review process with Fuel and Emissions, Environmental Affairs, Power Production, Finance, Power Supply, and Legal departments as well as the IRMC to evaluate proposals as needed. This internal control step fosters a global perspective of the evaluation process and is particularly important for new projects.

- 4.3.5 Conduct field visit(s), if necessary, to evaluate the facilities, reserves, quality, production capabilities, etc., of the supplier(s) with competitive proposals to evaluate physical risk.
- 4.3.6 Prepare a field evaluation report if field visit is conducted.
- 4.3.7 Ensure that the necessary due diligence is done in evaluating the credit worthiness and financial stability of all potential suppliers for the Fuel and Emissions department before entering into any binding contracts. The financial evaluation may be outsourced to a risk management service provider, which would have extensive experience and access to financial information for making a recommendation as to what extent EKPC should enter contractual commitments with reasonable financial risks. This may also be performed internally by requesting the supplier's audited financial statement, ratios, and key performance indicators. This information would then be provided to the finance department for their review and approval.
- 4.3.8 Draft approval memorandum to management (*Exhibit 25*) recommending the most economic supplier(s) of lime, lime kiln dust, and limestone meeting the corresponding RFP's specifications while balancing risk.
- 4.3.9 Management approves memorandum in accordance with Policy No. 404 (*Exhibit 4*).
- 4.4 Fuel Buyers prepare contract(s) and/or purchase order(s) that are approved by legal counsel.
  - 4.4.1 Contract(s) and/or purchase order(s) includes destination, quality, quantity, price, acceptance parameters, and terms and conditions.
  - 4.4.2 Request W-9 (*Exhibit 12*) and Certificate of Insurance forms from selected supplier(s) if not already on file.
  - 4.4.3 Administrative Assistant forwards W-9 (*Exhibit 12*) to Accounting and Certificate of Insurance to Director of Risk for approval.
  - 4.4.4 Fuel Buyers send draft contract(s) and/or purchase order(s) to supplier(s) for review.
  - 4.4.5 Request additional approval from the Fuel and Emissions Manager and legal counsel if changes are made to the previously approved draft.

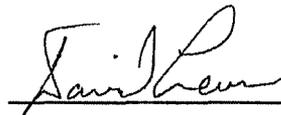
- 4.5 Fuel Buyers coordinate the execution of lime, lime kiln dust, and limestone contract(s) and purchase order(s).
  - 4.5.1 Fuel Buyers obtain a sequential purchase order number from the fuel and emission's Oil Purchase Order Log Book after appropriate review and/or approval is given by the Fuel and Emissions Manager and legal counsel for purchase orders only.
  - 4.5.2 Administrative Assistant reviews contract(s) and purchase order(s) and circulates for signatures prior to distribution.
  - 4.5.3 Administrative Assistant, at the direction of the Fuel Buyers, distributes the executed contract(s) and/or purchase order(s) internally as well as to EKPC's risk management service provider within five business days after trade execution for capture in a risk management system as per Policy No. 404 (*Exhibit 4*).
  - 4.5.4 Fuel Analyst logs approved contract(s) and purchase order(s) on Trading Authority Transaction Matrix.
  - 4.5.5 Administrative Assistant files executed contract(s) and purchase order(s) in Fuel and Emissions' department files with documentation per checklist (*Exhibit 13*).
- 4.6 Fuel and Emissions personnel schedule lime, lime kiln dust, and limestone from the then current contract(s) and/or purchase order(s) to replenish depleted power station supply based on power station need.
  - 4.6.1 Provide selected lime, lime kiln dust, and limestone supplier(s) a projected delivery schedule for up to one year.
- 4.7 Power Plant Personnel receive delivery of lime, lime kiln dust, and limestone.
  - 4.7.1 Collect bill of lading and forward to Accounting.
  - 4.7.2 Perform adequate sampling on lime, lime kiln dust, and limestone deliveries or inventories for quality control as required for their respective power station.
  - 4.7.3 Weigh trucks randomly once a week when deliveries occur using truck scales at the power stations to determine any net material discrepancies compared to the origin bill of lading. (Subtract tare weight from gross weight to determine net weight.)

- 4.7.4 Monitor unloading of trucks.
- 4.8 Central Lab Personnel assist Power Plant Personnel as needed with lime and limestone sampling and analysis.
- 4.9 Verify receipt and invoice approval.
  - 4.9.1 Fuel Analyst enters deliveries for each contract(s) and purchase order(s) on Trading Authority Transaction Matrix.
  - 4.9.2 Fuel Buyers review and verify floating price adjustments for production and transportation surcharges as needed.
  - 4.9.3 Accounting reconciles all documentation (e.g., bill of lading, surcharge and delivery spreadsheets) from Power Plant Personnel and Fuel Buyers against invoices.
  - 4.9.4 Accounting logs receipt information into accounting computer system.
  - 4.9.5 Accounting contacts responsible party to clarify any discrepancies in volume and pricing.
  - 4.9.6 Accounting receives Accounting supervisor approval on invoice and sends to accounts payable for payment.

**5.0 Effective Date**

- 5.1 All departments at EKPC shall be fully compliant with this procedure by January 31, 2013.

SIGNATURE:

  
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APPROVED:

12/21/2012  
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Amended: 02/19/01  
Amended: 07/12/04  
Amended: 11/30/12

# NATURAL GAS

<b>PROCEDURE FOR THE PROCUREMENT OF NATURAL GAS</b>			NG-1
Author: Fuel and Emissions Department	Adopted: 02/01/05	Page 1 of 11	
Revision: 1	By: Gail Varner	Revised Date: 11/30/12	Reviewed: Ernie Huff

Applies to: Fuel and Emissions, Environmental Affairs, Power Production, Finance,  
Power Supply, and Legal

Keywords: Natural Gas

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## 1.0 Purpose

This procedure outlines the procurement, delivery, confirmation, and payment of natural gas for use at East Kentucky Power Cooperative, Inc.'s ("EKPC") power stations.

## 2.0 Terms and Definitions

- 2.1 Combustion Turbine ("CT")—An electric generating unit utilizing natural gas or No. 2 fuel oil.
- 2.2 Confirmation—Form executed by Buyer and Seller to document agreed upon price, quantity, and term (*Exhibit 26*).
- 2.3 Daily Natural Gas Update Report—Report containing, but not limited to, the current OBA, projected OBA, current average price paid, and any pipeline constraints or OFOs (*Exhibit 27*).
- 2.4 Daily Price Report—Report containing projected pricing for day-ahead purchases and intra-day purchases (*Exhibit 28*).
- 2.5 Day-Ahead Purchase—Purchase made prior to 9:00 a.m. c.s.t the calendar day before the gas day.
- 2.6 Dekatherm ("Dth")—Unit of energy equal to 10 therms or one million British thermal units.
- 2.7 Estimated Burn Profile—Hourly schedule showing projected usage of natural gas required by the transportation pipeline (*Exhibit 29*).
- 2.8 External Natural Gas Manager—Company outside EKPC utilized to perform natural gas purchasing functions such as, but not limited to,

supplier contact, OBA management, and assisting in NAESB natural gas contract negotiation.

- 2.9 Federal Energy Regulatory Commission ("FERC")—An independent agency that regulates the interstate transmission of electricity, natural gas, and oil.
- 2.10 Form 552—Annual form required by FERC that summarizes natural gas purchases and sales.
- 2.11 Gas Day—The gas day runs from 9:00 a.m. c.s.t through the following 9:00 a.m. c.s.t.
- 2.12 Intra-Day Purchase—Purchase made within the current gas day.
- 2.13 Mcf (Thousand Cubic Feet)—A measurement of volume in the oil and gas industry. In general 1 Mcf = 1 MMBtu = 1 Dth. On average, 1 Mcf contains 1.027 MMBtu although this will vary based on the quality of the natural gas.
- 2.14 Measurement & Regulation ("M & R") Station—A station comprised of piping, valves, and regulators used in controlling the flow and measuring the quantity from the pipeline to the next user.
- 2.15 Million Btu ("MMBtu")—One million British thermal units is the unit of measure for the price paid for natural gas purchases.
- 2.16 Natural Gas—A naturally occurring hydrocarbon gas mixture consisting primarily of methane, with other hydrocarbons, carbon dioxide, nitrogen, and hydrogen sulfide. Natural gas is used in the production of electricity in its CT units at the J. K. Smith Power Station.
- 2.17 No. 2 Fuel Oil—Dyed ultra-low sulfur diesel fuel containing a maximum 15 ppm sulfur that is used for off-road purposes such as unit startups and flame stabilization in the coal-fired generation fleet and a backup fuel in the CT fleet (Unit Nos. 1 through 7).
- 2.18 North American Energy Standards Board (NAESB)—Serves as an industry forum for the development and promotion of standards which will lead to a seamless marketplace for wholesale and retail natural gas and electricity, as recognized by its customers, business community, participants, and regulatory entities.
- 2.19 NAESB Natural Gas Contract—Standard contract for the purchase and sale of natural gas. These contracts only put forth the terms and

conditions agreed to by Buyer and Seller. Price, term, and quantity are agreed to on separate confirmations (*Exhibit 26*).

- 2.20 Operational Balancing Agreement ("OBA")—Agreement setting forth the terms and conditions for scheduling nominations, deliveries, and balancing at the interconnection of the natural gas pipeline.
- 2.21 Operational Flow Order ("OFO")—Order which is issued by a pipeline to protect the operational integrity of the system. The orders may either restrict service or require actions by shippers to correct the problem and include increasing severity of penalties for failure to comply.
- 2.22 Policy No. 116—EKPC Board of Directors Conflict of Interest Policy to ensure that all business affairs of EKPC are conducted in an ethical and businesslike manner in order to avoid all conflicts of interest or the appearance of any conflicts of interest in the conduct of the business affairs of EKPC (*Exhibit 3*).
- 2.23 Policy No. 404—EKPC Board of Directors Transaction Authority Limits for Energy and Energy Related Commodities and Transportation Policy providing authority matrices to delegate procurement approval levels for commodities and fuels (*Exhibit 4*).
- 2.24 Policy No. 405—EKPC Board of Directors Hedging Policy (1) guides disciplined hedging of forecasted power supply needs; (2) provides a method for identifying EKPC's risk tolerance and time horizon for hedging; (3) clarifies EKPC's hedging objectives; and (4) more clearly integrates the energy risk management governance structure, trading authority, risk reporting, and portfolio management functions (*Exhibit 5*).
- 2.25 Power Stations—Electric power generating plants owned and operated by EKPC: Dale, Cooper, Spurlock, and J. K. Smith. Dale, Cooper, and Spurlock Power Stations are coal-fired power plants, and J. K. Smith is a power plant compiled of seven CT units that are fueled by natural gas (primary) and No. 2 fuel oil (secondary). J. K. Smith also has two units that are natural gas only.
- 2.26 Tennessee Gas Pipeline ("TGP")—Interstate natural gas transmission pipeline to which the J. K. Smith Power Station site is inter-connected.
- 2.27 Texas Eastern—Interstate natural gas transmission pipeline to which the J. K. Smith Power Station site is inter-connected by an EKPC owned six-mile lateral.
- 2.28 Thousand Cubic Feet ("Mcf")—A measurement of volume in the oil and gas industry. In general 1 Mcf = 1 MMBtu = 1 Dth. On average, 1 Mcf

contains 1.027 MMBtu although this will vary based on the quality of the natural gas.

- 2.29 Trade Data Gas Form—Form completed after purchase to record flow date, MMBtu purchased, price/MMBtu, total dollars, buy or sell, counterparty, pipeline, execution date, type of purchase, and trader name (*Exhibit 30*).
- 2.30 Trading Authority Transaction Matrix—Delegation of procurement approval authority.
- 2.31 W-9—Form required by the Internal Revenue Service for tax purposes to be completed by all suppliers stating business name, address, and federal tax identification number before payment is issued (*Exhibit 12*).

### 3.0 Responsibilities

#### 3.1 Fuel and Emissions Manager

- 3.1.1 Manages and directs Fuel Buyers, administrative assistant, and Fuel Analyst in the Fuel and Emissions department and assures compliance with Policy No. 116 (*Exhibit 3*).
- 3.1.2 Ensures adequate natural gas deliveries to EKPC's power station(s).
- 3.1.3 Assures that Fuel and Emissions staff follow procedures as described herein and in the Fuel, Emissions, Limestone, and Lime Strategy (*Exhibit 1*) for the purchase and delivery of natural gas.
- 3.1.4 Evaluate hedging opportunities in accordance with Policy No. 405 (*Exhibit 5*).

#### 3.2 Power Plant Personnel

- 3.2.1 Maintain the natural gas system and M & R station at the J. K. Smith Power Station to ensure their availability to utilize natural gas.
- 3.2.2 Advise Fuel and Emissions and Power Supply Planning of generating unit, M & R station, and/or pipeline outages that could affect the quantity and/or deliverability of natural gas.

- 3.2.3 Track, review, and make adjustments in unit starts and/or run hours to achieve environmental compliance on each units maximum starts and/or run hours.
- 3.2.4 Develop, coordinate, and execute periodic testing of pipelines to ensure that any pipeline can be used, operationally, for natural gas deliveries.

### 3.3 Fuel Buyers

- 3.3.1 Act as liaison between EKPC's external natural gas manager and EKPC's other department personnel.
- 3.3.2 Monitor EKPC's pipeline transportation OBA's and make recommendations regarding future natural gas purchases.
- 3.3.3 Ensure all affected EKPC personnel are aware when any pipeline initiated OFO is issued and make recommendations regarding a plan of action.
- 3.3.4 Complete and review schedule indicating number of starts and amount of run hours, both current and projected, and alert appropriate personnel.

### 3.4 Administrative Assistant

- 3.4.1 Assists in managing the NAESB natural gas contract process.
- 3.4.2 Completes natural gas pricing worksheet tracking performance of external natural gas manager.
- 3.4.3 Complete monthly natural gas purchase summary for approval per Policy No. 404 (*Exhibit 4*).

### 3.5 Fuel Analyst

- 3.5.1 Manage the Trading Authority Transaction Matrix.

### 3.6 Power Supply Planning

- 3.6.1 Determine short- and long-term projected natural gas usage and prepare Estimated Burn Profile (*Exhibit 29*).
- 3.6.2 Contact external natural gas manager to revise and/or qualify projected natural gas usage.

3.6.3 Review CT unit starts and run hours in order to vary starts and run hours.

### 3.7 Environmental Affairs

3.7.1 Communicate testing schedules to appropriate personnel.

3.7.2 Review CT unit starts and run hours and alert appropriate personnel.

### 3.8 Accounting

3.8.1 Verifies volume and price per MMBtu from natural gas confirmations (*Exhibit 26*) with supplier invoice for accuracy.

3.8.2 Contacts responsible party and/or Fuel Buyer to clarify any discrepancies in the invoices.

3.8.3 Approves payment and sends to treasury for disbursement.

3.8.4 Prepares and files Form 552 annually with FERC.

## 4.0 Procedure

J. K. Smith Power Station has two interstate natural gas pipelines that service the site. The TGP, owned by Kinder Morgan, is inter-connected to the site approximately ½ mile from the CTs. The Texas Eastern pipeline, owned by Spectra Energy, is interconnected to the site with an approximate 6 mile lateral owned by EKPC. EKPC's OBA with TGP includes a cash settlement at the end of every month and under normal conditions can handle between +/- 40 – 60,000 Dths. EKPC's OBA with Texas Eastern contains an acceptable daily variance of not more than 7,500 Dths and an accumulated balance of not more than 15,000 Dths. The Texas Eastern OBA is not financially settled but is volumetrically settled the following month.

J. K. Smith Power Station CT Unit Nos. 1 through 7 may only be started 200 times each within a calendar year and Unit Nos. 9 and 10 only 365 times each. Unit Nos. 1 through 4 may only be operated 2,500 hours based on a rolling 12-month time period. Unit Nos. 5 through 7 have no operating hour limitation. Unit Nos. 9 and 10 may only be operated 4,000 hours on a rolling 12-month time period.

- 4.1 Determine natural gas usage.
  - 4.1.1 Power Plant Personnel communicate daily to Power Supply Planning the availability of each unit.
  - 4.1.2 Environmental Affairs communicates testing schedules to Power Supply Planning.
  - 4.1.3 External gas manager provides daily estimate of day-ahead and intra-day pricing via Daily Price Report (*Exhibit 28*).
  - 4.1.4 Power Supply Planning calculates projected natural gas usage using various factors including, but not limited to, weather, price, and unit availability.
  - 4.1.5 Power Supply Planning personnel completes Estimated Burn Profile (*Exhibit 29*) for use in determining appropriate purchases. This form is also required by the transportation pipeline.
- 4.2 Execute NAESB natural gas contracts with potential suppliers.
  - 4.2.1 External natural gas manager and/or Fuel Buyer proposes new natural gas supplier based on, but not limited to, the number of current gas suppliers, supplier pipeline transportation, and other supplier history.
  - 4.2.2 External natural gas manager initiates NAESB natural gas contract negotiation.
  - 4.2.3 Fuel Buyer, Legal, and external natural gas manager negotiate an acceptable NAESB natural gas contract with supplier.
  - 4.2.4 EKPC's risk management service provider checks the supplier's credit and assigns a credit limit based on EKPC's Director of Risk's approval.
  - 4.2.5 Administrative Assistant obtains appropriate signature.
  - 4.2.6 Fuel Buyer and/or Administrative Assistant secure W-9 (*Exhibit 12*) from supplier.
  - 4.2.7 Administrative Assistant, at the direction of the Fuel Buyers, distributes the executed NAESB natural gas contract(s) internally as well as ensures that EKPC's risk management service provider receives confirmed trades within five business days after trade

execution for capture in a risk management system as per Policy No. 404 (*Exhibit 4*).

- 4.3 Purchase natural gas volumes required.
  - 4.3.1 External natural gas manager determines quantity to be purchased, under normal pipeline operating conditions, based on Estimated Burn Profile (*Exhibit 29*). Determination is made whether to make less expensive day-ahead purchases or to make intra-day purchases that aid in OBA management but are typically more expensive.
  - 4.3.2 Fuel Buyer and Power Supply Planning, under adverse operating conditions on the pipeline, consult and advise external natural gas manager regarding purchase quantities.
  - 4.3.3 External natural gas manager contacts several suppliers who have an existing NAESB natural gas contract with EKPC and requests quotes for the designated term and quantity.
  - 4.3.4 External natural gas manager purchases natural gas based on, but not limited to, price, quantity, past performance, urgency of purchase, term of purchase, pipeline use, and transportation cost. Quantities are purchased in MMBtu, not Mcf, in order to pay for the heat content received.
  - 4.3.5 Purchase is made within authority levels in accordance with Policy No. 404 (*Exhibit 4*) and existing credit limits.
  - 4.3.6 External natural gas manager or natural gas supplier makes nomination on TGP's or Texas Eastern's web-based system to confirm source, destination, and quantity of natural gas purchased.
  - 4.3.7 Natural gas deliveries begin on the date specified and under the terms of the confirmation (*Exhibit 26*) and NAESB natural gas contract.
  - 4.3.8 Fuel Manager, Fuel Buyer, Power Supply Planning, and Finance, to the extent possible, may hedge the future price on a portion of its natural gas purchases based on, but not limited to, future power prices, volume certainty, future natural gas prices, and future power prices to achieve the most desirable risk management scenario for KEPC and its members.

- 4.4 Prepare and review transaction documentation.
  - 4.4.1 External gas manager enters transaction into Trade Data Gas Form (*Exhibit 30*).
  - 4.4.2 Confirmation (*Exhibit 26*) is sent from supplier to Fuel Buyer and external gas manager.
  - 4.4.3 Fuel Buyer verifies date, quantities, and prices on Trade Data Gas Form (*Exhibit 30*) with individual confirmations (*Exhibit 26*) received from suppliers.
  - 4.4.4 Fuel Buyer investigates any discrepancies with external gas manager and/or natural gas supplier.
  
- 4.5 Manage OBA.
  - 4.5.1 External natural gas manager provides Daily Natural Gas Update Report (*Exhibit 27*).
  - 4.5.2 Fuel Buyer and external natural gas manager monitor OBA in order to minimize associated costs and ensure pipeline satisfaction.
  - 4.5.3 Fuel Buyer confirms OBA level and investigates errors or inappropriate projected levels.
  - 4.5.4 Fuel Buyer verifies month end OBA through TGP on-line system and external natural gas manager.
  
- 4.6 Manage OFO.
  - 4.6.1 Designated personnel receive OFO notices from the pipeline directly (*Exhibit 31*).
  - 4.6.2 Fuel Buyer acknowledges OFO to personnel, explains situation, and if it applies to EKPC.
  - 4.6.3 External natural gas manager notes OFO information on the Daily Natural Gas Update Report (*Exhibit 27*) and informs EKPC personnel when applicable OFO occurs.
  - 4.6.4 Fuel Buyer, Power Supply Planning, and external natural gas manager discuss projected usage before sending out Estimated Burn Profile (*Exhibit 29*). These discussions shall include, but not necessarily be limited to, if intra-day purchases are an option;

likelihood of projected usage materializing; OBA utilization; and if there are time constraints.

- 4.7 Ensure environmental compliance.
  - 4.7.1 Fuel Buyer completes starts and run-hours schedule (*Exhibit 30*) indicating number of starts and amount of run hours, both current and projected.
  - 4.7.2 Fuel Buyer, Power Supply Planning, Environmental Affairs, and J. K. Smith Power Station review the start and run-hours schedule (*Exhibit 32*) and contact the other departments if they recognize any current or future issues that may affect environmental compliance.
  - 4.7.3 Power Supply Planning and J. K. Smith Power Station alter starts or run hours as necessary to achieve compliance.
- 4.8 Verify receipt and invoice approval.
  - 4.8.1 Fuel Buyer prepares invoice estimate and submits to Accounting along with confirmations (*Exhibit 26*), Trade Data Gas Form (*Exhibit 30*), and OBA calculation backup.
  - 4.8.2 Accounting verifies confirmations (*Exhibit 26*) and invoice estimate with respective supplier invoices.
  - 4.8.3 Accounting and/or Fuel Buyer resolve discrepancies with external natural gas manager and/or respective supplier.
  - 4.8.4 Accounting logs receipt information into accounting computer system.
  - 4.8.5 Accounting receives Accounting supervisor approval on invoice(s) and sends to accounts payable for payment.
  - 4.8.6 Fuel Analyst enters purchases and deliveries for each NAESB natural gas contract on Trading Authority Transaction Matrix.
  - 4.8.7 Administrative Assistant enters purchases into natural gas pricing worksheet to track natural gas purchase performance.
  - 4.8.8 Administrative Assistant completes natural gas purchase summary for approval per Policy No. 404 (*Exhibit 4*).

4.8.9 Accounting completes annual FERC Form 552 with assistance from Fuel Buyer and external natural gas manager.

**5.0 Effective Date**

5.1 All departments at EKPC shall be fully compliant with this procedure by January 31, 2013.

SIGNATURE: 

APPROVED: 12/21/2012

Amended: 11/30/12

**OIL**

<b>PROCEDURE FOR THE PROCUREMENT OF FUEL OIL</b>			O-1
Author: Fuel and Emissions Department	Adopted: 02/27/81	Page 1 of 9	
Revision: 4	By: Gail Varner	Revised Date: 11/30/12	Reviewed: Ernie Huff

Applies to: Fuel and Emissions, Environmental Affairs, Power Production, Finance, Power Supply, and Legal

Keywords: No. 2 fuel oil

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## 1.0 Purpose

This procedure outlines the procurement, delivery, confirmation, testing, and payment of No. 2 fuel oil for use at East Kentucky Power Cooperative, Inc.'s ("EKPC") power stations.

## 2.0 Terms and Definitions

- 2.1 Branded Price—Price for No. 2 fuel oil product that is brand specific, by the seller that is identified by tracers in the fuel oil. Price is typically regarded as more reliable in times of crisis such as hurricanes.
- 2.2 Certificate of Insurance—Standard Association for Cooperative Operations Research and Development (ACORD) form that identifies the policies afforded by a supplier related to the requirements specified by EKPC contracts/purchase orders.
- 2.3 Fuel Oil Bidders List—List of current oil supply companies to submit requests for proposals stating their addresses, representative contacts, phone numbers, and applicable stations for bidding purposes (*Exhibit 33*).
- 2.4 Contract—In terms of hedge quantities, a contract represents 1,000 barrels or 42,000 gallons of No. 2 fuel oil.
- 2.5 Fixed Price—Price set in advance of issuance of a purchase order. All applicable taxes, freight, fees, and profit margins are included except for a demurrage charge if applicable.
- 2.6 No. 2 Fuel Oil—Dyed ultra-low sulfur diesel fuel containing a maximum 15 ppm sulfur that is used for off-road purposes such as unit startups and

flame stabilization in the coal-fired generation fleet and a backup fuel in the combustion turbine fleet (Unit Nos. 1 through 7).

- 2.7 Oil Purchase Order Log Book—Log book containing sequential purchase order numbers for new oil purchase orders issued that states company name, issued date, applicable station, terms, gallons, price, and comments of each purchase order.
- 2.8 Ownership Disclosure—Form to be completed by all oil suppliers designating company type (proprietorship, partnership, corporation); owners; authorized sales representative(s); and any affiliation with EKPC's Board of Directors, employees or EKPC, or their immediate family (*Exhibit 34*).
- 2.9 Policy No. 116—EKPC Board of Directors Conflict of Interest Policy to ensure that all business affairs of EKPC are conducted in an ethical and businesslike manner in order to avoid all conflicts of interest or the appearance of any conflicts of interest in the conduct of the business affairs of EKPC (*Exhibit 3*).
- 2.10 Policy No. 404—EKPC Board of Directors Transaction Authority Limits for Energy and Energy Related Commodities and Transportation Policy providing authority matrices to delegate procurement approval levels for commodities and fuels (*Exhibit 4*).
- 2.11 Power Stations—Electric power generating plants owned and operated by EKPC: Dale, Cooper, Spurlock, and J. K. Smith. Dale, Cooper, and Spurlock Power Stations are coal-fired power plants, and J. K. Smith is a power plant compiled of seven combustion turbine (CT) generator units that are fueled by natural gas (primary) and No. 2 fuel oil (secondary). J. K. Smith also has two units that are natural gas only.
- 2.12 Purchase Order—Document binding seller to sell and ship designated product that is stating terms and conditions for oil deliveries to EKPC's power stations sent to a supplier for an acceptance signature after approval and before deliveries begin.
- 2.13 Rack-Plus Price—Either a branded or unbranded fuel oil price that is priced based on the specific rack location price plus a fixed adder that includes all applicable taxes, freight, fees, and profit margins. The adder is fixed throughout the term of the purchase, whereas the actual fuel price is the only variable except for a demurrage charge if applicable.
- 2.14 Requisition—Form completed by Power Plant Personnel following up a verbal request for No. 2 fuel oil deliveries applying to the then current purchase order(s) (*Exhibit 37*).

- 2.15 RFP—Request for proposal sent to prospective suppliers on EKPC's Fuel Oil Bidders List (*Exhibit 33*) to bid for No. 2 fuel oil.
- 2.16 Trading Authority Transaction Matrix—Delegation of procurement approval authority.
- 2.17 Unbranded Price—Price for No. 2 fuel oil product that is not brand specific.
- 2.18 W-9—Form required by the Internal Revenue Service for tax purposes to be completed by all suppliers stating business name, address, and federal tax identification number before payment is issued. (*Exhibit 12*)

### **3.0 Responsibilities**

- 3.1 Fuel and Emissions Manager
  - 3.1.1 Manages and directs Fuel Buyers, Administrative Assistant, and Fuel Analyst in the Fuel and Emissions department and assures compliance with Policy No. 116 (*Exhibit 3*).
  - 3.1.2 Ensures adequate fuel oil deliveries to EKPC's power stations.
  - 3.1.3 Assures that Fuel and Emissions staff follow procedures as described herein and in the Fuel, Emissions, Limestone, and Lime Strategy (*Exhibit 1*) for the purchase and delivery of oil.
- 3.2 Power Plant Personnel
  - 3.2.1 Maintain the fuel oil system at each of EKPC's power stations to ensure its availability to unload No. 2 fuel oil truck deliveries.
  - 3.2.2 Advise the Fuel and Emissions department as a need arises for No. 2 fuel oil.
  - 3.2.3 Collect No. 2 fuel oil sample during unloading as required, and stay with the truck during unloading to monitor in case of spills.
  - 3.2.4 Log arrival and departure times of No. 2 fuel oil truck deliveries. Also, log any unusual occurrences while the truck is on site.
- 3.3 Fuel Buyers
  - 3.3.1 Monitor J. K. Smith Power Station's No. 2 fuel oil inventory.

- 3.3.2 Issue and evaluate RFPs for No. 2 fuel oil for all power stations.
  - 3.3.3 Generate and execute appropriate purchase order(s).
  - 3.3.4 Contact appropriate supplier(s) for delivery of No. 2 fuel oil as requested by Power Plant Personnel if needed.
  - 3.3.5 Evaluate and give direction of purchase from fixed or rack-plus agreement(s).
  - 3.3.6 Manage appropriate purchase order(s) throughout the term of the order.
- 3.4 Administrative Assistant
- 3.4.1 Assists in managing the RFP process.
  - 3.4.2 Contacts appropriate supplier(s) for delivery of No. 2 fuel oil as requested by Power Plant Personnel.
  - 3.4.3 Receives and reviews pricing and invoices and contacts appropriate supplier(s) to clarify any discrepancies.
  - 3.4.5 Verifies all documentation is received per checklist (*Exhibit 13*) and files with appropriate contract(s) and/or purchase order (s).
- 3.5 Fuel Analyst
- 3.5.1 Manages the Trading Authority Transaction Matrix.
  - 3.5.2 Verifies rack pricing and validate total invoice price.
  - 3.5.3 Compiles and forwards completed spreadsheet of purchases to Accounting.
- 3.6 Central Lab Personnel
- 3.6.1 Sample No. 2 fuel oil tank at Spurlock Power Station semi-annually to ensure emissions compliance for Spurlock Power Station Unit No. 4.
  - 3.6.2 Analyze No. 2 fuel oil drawn from the storage tank at J. K. Smith Station for sulfur, Btu, specific gravity, and temperature to ensure emissions compliance whenever any of the combustion turbines are operating on fuel oil.

3.6.3 Sample and analyze the No. 2 fuel oil tank at J. K. Smith Station semi-annually for quality stability.

### 3.7 Accounting

3.7.1 Verifies spreadsheet volume and dollars from Fuel Analyst against manual log sheet generated from verbal communication followed by bill of lading documentation from Power Plant Personnel and invoices.

3.7.2 Contacts responsible party to clarify any discrepancies in the invoices, receiving records, and/or lab analysis.

3.7.3 Logs receipt information into accounting computer system.

3.7.4 Approves payment and sends to treasury for disbursement.

## 4.0 Procedure

Replenish levels for No. 2 fuel oil are approximately 8,000—12,000 gallons at Dale Power Station; 15,000—20,000 gallons at Cooper Power Station; and 200,000—250,000 gallons at Spurlock Power Station. Dale and Cooper Power Stations both have underground tanks with 20,000-gallon and 30,000-gallon capacities, respectively. They are maintained at near capacity levels. Spurlock Power Station has one, usable 350,000 gallon capacity above-ground tank. All inventory levels are based in part on the plant's ability to deplete the fuel oil in large amounts from start-ups and multiple trips of units and may be adjusted accordingly.

J. K. Smith Power Station has a 4.5 million gallon above-ground tank. Replenishing No. 2 fuel oil inventory at J. K. Smith Power Station is based on market, delivery, and power station conditions. The No. 2 fuel oil level at J. K. Smith Power Station varies based on market conditions, oil turnover, etc., but is typically held at 2,250,000—2,925,000 gallons as backup to natural gas.

4.1 Issue RFP to obtain approved purchase order(s). The steps for issuing an RFP are as follows:

4.1.1 Fuel Buyers determine term and quantity for No. 2 fuel oil of RFP based on historic and projected needs.

- 4.1.2 Fuel Buyers create an RFP template (*Exhibit 35*) stating applicable delivery locations, term, quantity, and price options of fixed and/or rack plus.
- 4.1.3 Fuel and Emissions Manager and Administrative Assistant review RFP template (*Exhibit 35*) before RFP is issued.
- 4.1.4 Issue RFP for sealed proposals for No. 2 fuel oil to bidders on EKPC's Fuel Oil Bidders List (*Exhibit 33*).
- 4.2 Open all sealed proposals on or after due date of RFP.
  - 4.2.1 Two Fuel and Emissions personnel must be present.
  - 4.2.2 Administrative Assistant logs proposals reviewed.
  - 4.2.3 Sign log of proposals by those present at opening.
- 4.3 Fuel Buyers evaluate valid opened No. 2 fuel oil proposals.
  - 4.3.1 Rank opened proposals in order of lowest to highest cost for rack plus and/or fixed pricing.
  - 4.3.2 Determine if lowest priced proposal(s) meets EKPC's requirements as specified in the corresponding RFP.
  - 4.3.3 Evaluate supplier(s) performance capabilities as outlined in the Fuel, Emission, Limestone, and Lime Strategy (*Exhibit 1*).
  - 4.3.4 Draft approval memorandum to management (*Exhibit 36*) recommending the most economic supplier(s) of No. 2 fuel oil meeting the corresponding RFP's specifications while balancing risk.
  - 4.3.5 Management approves memorandum in accordance with Policy No. 404 (*Exhibit 4*).
- 4.4 Fuel Buyers prepare purchase order(s) for No. 2 fuel oil based on a standard template approved by legal counsel.
  - 4.4.1 Purchase order(s) includes destination, quantity, price, acceptance parameters, and terms and conditions.
  - 4.4.2 Request Ownership Disclosure (*Exhibit 34*), W-9 (*Exhibit 12*), and Certificate of Insurance forms from selected supplier(s) if not already on file.

- 4.4.3 Administrative Assistant forwards W-9 (*Exhibit 12*) to Accounting and Certificate of Insurance to Director of Risk for approval.
- 4.4.4 Fuel Buyers send draft purchase order(s) to supplier(s) for review if requested.
- 4.4.5 Request additional approval from the Fuel and Emissions Manager and legal counsel if changes are made to the standard No. 2 fuel oil purchase order template.
- 4.5 Fuel Buyers execute No. 2 fuel oil purchase order(s).
  - 4.5.1 Fuel Buyers obtain a sequential purchase order number from the fuel and emission's Oil Purchase Order Log Book after appropriate review and/or approval is given by the Fuel and Emissions Manager and legal counsel.
  - 4.5.2 Administrative Assistant, at the direction of the Fuel Buyers, reviews purchase order(s) and distributes the executed purchase order(s) internally as well as to EKPC's risk management service provider within five business days after trade execution for capture in a risk management system as per Policy No. 404 (*Exhibit 4*).
  - 4.5.3 Fuel Analyst logs approved purchase order(s) on Trading Authority Transaction Matrix.
  - 4.5.4 Administrative Assistant files executed purchase order(s) in Fuel and Emissions' department files with documentation per checklist (*Exhibit 13*).
- 4.6 Fuel and Emissions personnel order No. 2 fuel oil from the then current purchase order(s) to replenish depleted power station supply based on Power Plant Personnel request(s).
  - 4.6.1 Receive request from Power Plant Personnel for a defined amount of No. 2 fuel oil, which is followed by a written requisition (*Exhibit 37*).
  - 4.6.2 Contact applicable supplier(s) for requested delivery amount of No. 2 fuel oil.
- 4.7 Power Plant Personnel receive delivery of No. 2 fuel oil.
  - 4.7.1 Log arrival and departure time of No. 2 fuel oil delivery.

- 4.7.2 Perform adequate sampling on No. 2 fuel oil deliveries to ensure quality control as required for their respective power station.
- 4.7.3 Monitor unloading of trucks to ensure no spills occur of the No. 2 fuel oil.
- 4.8 Central Lab Personnel analyze inventory samples on No. 2 fuel oil when collected at power station.
- 4.9 Verify receipt and invoice approval.
  - 4.9.1 Administrative Assistant receives and reviews applicable pricing and invoices.
  - 4.9.2 Administrative Assistant contacts appropriate supplier(s) to clarify any discrepancies with the invoice(s).
  - 4.9.3 Administrative Assistant forwards pricing and invoices to Fuel Analyst for logging and also to Accounting.
  - 4.9.4 Fuel Analyst logs invoices on spreadsheet and verifies pricing.
  - 4.9.5 Fuel Analyst forwards completed spreadsheet to Accounting.
  - 4.9.6 Fuel Analyst enters deliveries for each purchase order(s) on Trading Authority Transaction Matrix.
  - 4.9.7 Accounting verifies spreadsheet volume and dollars from Fuel Analyst against manual log sheet generated from verbal communication and/or bill of lading documentation from Power Plant Personnel and invoices.
  - 4.9.8 Accounting contacts responsible party to clarify any discrepancies in volume and pricing.
  - 4.9.9 Accounting logs receipt information into accounting computer system.
  - 4.9.10 Accounting receives Accounting supervisor approval on invoice and sends to accounts payable for payment.

**5.0 Effective Date**

5.1 All departments at EKPC shall be fully compliant with this procedure by January 31, 2013.

**SIGNATURE:**

  
\_\_\_\_\_

**APPROVED:**

12/21/2012  
\_\_\_\_\_

Amended: 02/19/01  
Amended: 07/12/04  
Amended: 02/01/05  
Amended: 11/30/12

# EXHIBITS

**EAST KENTUCKY POWER COOPERATIVE, INC.  
FUEL AND LIME PROCUREMENT MANUAL  
LIST OF EXHIBITS**

	<u>Exhibit Number</u>
Fuel, Emissions, Limestone, and Lime Strategy	1
Policy No. 106—Establishment of Board Committees and Respective Charters	2
Policy No. 116—Conflict of Interest	3
Policy No. 404—Transaction Authority Limits...	4
Policy No. 405—Hedging Policy	5
Coal Bidders List	6
Coal Proposal Form	7
Coal Specifications and Information	8
Fuel Cost Evaluation Variables	9
Fuel Evaluation System Manual	10
Supplier Scorecard	11
W-9 Form	12
Fuel Transaction Checklists	13
Coal RFP Template	14
Proposal Opening Form	15
Coal Approval Memorandum	16
Barge Drafting	17
Emission Allowance Confirmation	18
Emission Allowance Transaction Schedule	19
Emission Allowance Replacement Cost	20
Amortization Schedule	21
Acquisition Schedule	22
Lime & Limestone Bidders List	23
Lime & Limestone RFP Template	24
Lime & Limestone Approval Memo	25
Natural Gas Confirmation	26
Daily Natural Gas Update Report	27
Daily Price Report	28
Estimated Burn Profile	29
Trade Data Gas Form	30
OFO Notice	31
Start and Run Hours Schedule	32
Oil Bidders List	33
Ownership Disclosure	34
Oil RFP Template	35

	<u>Exhibit Number</u>
Oil Approval Memo	36
Oil Requisition	37
Future Exhibits	38-50

This list was originally adopted on February 27, 1981, and amended as follows.

Amended: 02/19/01  
Amended: 07/12/04  
Amended: 02/01/05  
Amended: 11/30/12



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 16**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 16.** a. State whether East Kentucky is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period from November 1, 2012 through April 30, 2013.

- b. If yes, for each violation:
- (1) Describe the violation;
  - (2) Describe the action(s) that East Kentucky took upon discovering the violation; and
  - (3) Identify the person(s) who committed the violation.

**Request 16a-b.** No, East Kentucky is not aware of any violations of its policies and procedures regarding fuel procurement.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 17**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 17.** Identify and explain the reasons for all changes in the organizational structure and personnel of the departments or divisions that are responsible for East Kentucky's fuel procurement activities that occurred during the period from November 1, 2012 through April 30, 2013.

**Response 17.** East Kentucky did not make any changes to its organizational structure relating to fuel procurement during the period from November 1, 2012 through April 30, 2013.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 18**

**RESPONSIBLE PARTY: Craig A. Johnson**

**Request 18a.** Identify all changes that East Kentucky has made during the period under review to its maintenance and operation practices that also affect fuel usage at East Kentucky's generation facilities.

**Response 18a.** There were no changes that East Kentucky has made to its maintenance and operation practices, which affect fuel usage at any of its generation facilities during the period under review.

**Request 18b.** Describe the impact of these changes on East Kentucky's fuel usage.

**Response 18b.** This is not applicable. Please see the response to Request 18a.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 19**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 19.** List each written coal supply solicitation issued during the period from November 1, 2012 through April 30, 2013.

a. For each solicitation, provide the date of the solicitation, the type of solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.

b. For each solicitation, state the number of vendors to whom the solicitation was sent, the number of vendors who responded, and the selected vendor. Provide the bid tabulation sheet or corresponding document that ranked the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

**Response 19a-b.** Please see pages 2 through 12 of this response.

Confidential protection of the bid tabulation sheets or corresponding documents that ranked the proposals has been requested in the form of a motion for confidential treatment.

**EAST KENTUCKY POWER COOPERATIVE, INC.**  
**PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262**  
**RESPONSE TO PSC ORDER DATED 08/08/13**

<b>Unit</b>	<b>Date</b>	<b>Contract/Spot</b>	<b>Quantity (Tons)</b>	<b>Quality</b>	<b>Time Period</b>	<b>Number of Vendors Sent</b>	<b>Number of Vendors Respond</b>	<b>Tabulation Sheet</b>
Cooper	11/28/12	Spot	120,000	6.0# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	01/01/13—06/30/13	74	13	Pages 3-5
Gilbert & Spurlock 4	01/17/13	Spot	120,000	10# SO <sub>2</sub> /MMBtu <30% Ash >9,000 Btu	07/01/13—12/31/13	76	14	Pages 6-10
Spurlock 1&2	03/12/13	Spot	240,000	7# SO <sub>2</sub> /MMBtu <16% Ash >11,000 Btu	07/01/13—12/31/13	79	13	Pages 11-12
Spurlock 1&2	04/15/13	Contract	1,080,000	7# SO <sub>2</sub> /MMBtu <16% Ash >11,000 Btu	01/01/14—12/31/16	79	14	Pending Approval

**FUEL EVALUATION FOR COOPER POWER STATION**

**2013 SCRUBBER SPOT**

Date: 12/13/2012  
 Event Nbr: 216  
 Bid End Date: 12/12/2012

Coal Supplier	Quality Btu % Sulfur	Number	% Ash	Tons	Term	Delivery Cost		Evaluated Cost		Reason for Recommendation
						\$ Ton	\$ MMBtu	\$ Ton	\$ MMBtu	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**REDACTED**

**FUEL EVALUATION FOR COOPER POWER STATION**

**2013 SCRUBBER SPOT**

Date: 12/13/2012  
 Event Nbr: 216  
 Bid End Date: 12/12/2012

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**REDACTED**

PSC Request 19(a)(b)  
 Page 4 of 12

**FUEL EVALUATION FOR COOPER POWER STATION**

**2013 SCRUBBER SPOT**

Date: 12/13/2012
Event Nbr: 216
Bid End Date: 12/12/2012

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation	
		% Sulfur	% Ash	Tons	Term	\$	\$	\$		\$
						Ton	MMBtu	Ton		MMBtu
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	

**REDACTED**

## FUEL EVALUATION FOR CFB UNITS

JULY THROUGH DECEMBER 2013

Date:	03/05/2013
Event Nbr:	217
Bid End Date:	02/15/2013

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation	
		% Sulfur		Tons	Term	\$	\$	\$		\$
		% Ash				Ton	MMBtu	Ton		MMBtu
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	

REDACTED

Delivery cost considers the impact of the \$2/ton Kentucky clean coal tax credit.



# FUEL EVALUATION FOR CFB UNITS

JULY THROUGH DECEMBER 2013

Date:	03/05/2013
Event Nbr:	217
Bid End Date:	02/15/2013

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	

Delivery cost considers the impact of the \$2/ton Kentucky clean coal tax credit.



REDACTED

**FUEL EVALUATION FOR CFB UNITS**

**JULY THROUGH DECEMBER 2013**

Date:	03/29/2013
Event Nbr:	219
Bid End Date:	02/15/2013

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

REDACTED

PSC Request 19(a)(b)  
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Delivery cost considers the impact of the \$2/ton Kentucky clean coal tax credit.



## FUEL EVALUATION FOR CFB UNITS

JULY THROUGH DECEMBER 2013

Date:	03/29/2013
Event Nbr:	219
Bid End Date:	02/15/2013

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	

Delivery cost considers the impact of the \$2/ton Kentucky clean coal tax credit.



REDACTED

## FUEL EVALUATION FOR CFB UNITS

Date:	04/26/2013
Event Nbr:	218
Bid End Date:	02/15/2013

### TWO-YEAR CFB CONTRACT

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

REDACTED

PSC Request 19(a)(b)  
Page 10 of 12

Delivery cost considers the impact of the \$2/ton Kentucky clean coal tax credit.

**FUEL EVALUATION FOR SPURLOCK POWER STATION**

**SCRUBBER JULY-DEC. 2013**

Date: 05/14/2013  
 Event Nbr: 220  
 Bid End Date: 04/08/2013

Coal Supplier	Number	Quality Btu		Term	Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash		Tons	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**REDACTED**

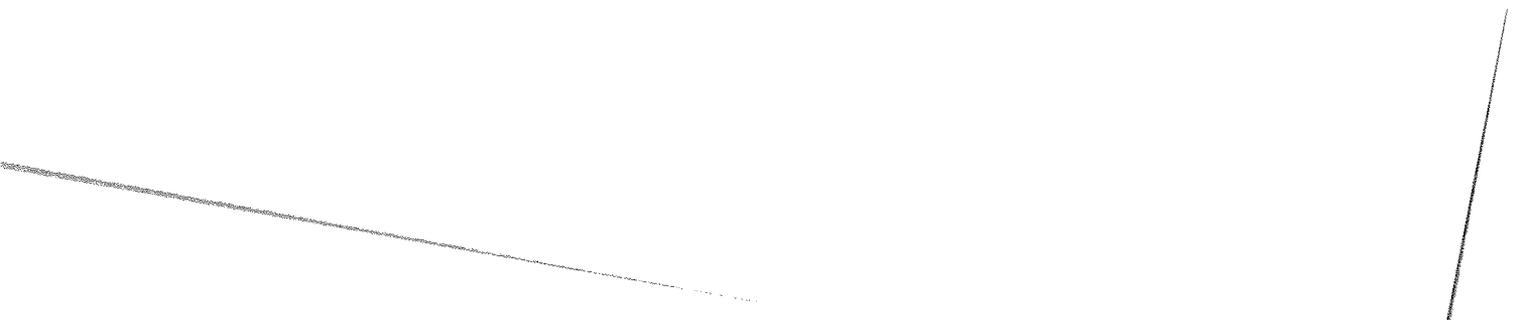
**FUEL EVALUATION FOR SPURLOCK POWER STATION**

**SCRUBBER JULY-DEC. 2013**

Date: 05/14/2013  
 Event Nbr: 220  
 Bid End Date: 04/08/2013

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**REDACTED**



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262  
FUEL ADJUSTMENT CLAUSE  
RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 20**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 20.** List each oral coal supply solicitation issued during the period from November 1, 2012 through April 30, 2013.

a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the time period over which deliveries were requested, and the generating unit(s) for which the coal was intended.

b. For each solicitation, identify all vendors solicited and the vendor selected. Provide the tabulation sheet or other document that ranks the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

**Response 20a-b.** Please see pages 2 through 4 of this response.

Confidential protection of the bid tabulation sheets or corresponding documents that ranked the proposals has been requested in the form of a motion for confidential treatment.

**EAST KENTUCKY POWER COOPERATIVE, INC.**  
**PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2013-00262**  
**RESPONSE TO PSC ORDER DATED 08/08/13**

<b>Unit</b>	<b>Date</b>	<b>Reason</b>	<b>Quantity (Tons)</b>	<b>Quality</b>	<b>Time Period</b>	<b>Number of Vendors Contacted</b>	<b>Tabulation Sheet</b>
Cooper	11/05/12	Immediate Response Required	16,000	6.0# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	11/07/12—11/30/12	12	Pages 3-4
Gilbert & Spurlock 4	02/05/13	Immediate Response Required	17,000	10.0# SO <sub>2</sub> /MMBtu <30% Ash >9,000 Btu	02/06/13—02/28/13	14	Test Purchase No Tabulation

**FUEL EVALUATION FOR COOPER POWER STATION**

Date: 11/5/2012  
 Event Nbr: 213  
 Bid End Date: 11/05/2012

**SCRUBBER TEST COAL**

Coal Supplier	Quality Btu % Sulfur Number % Ash Tons Term	Delivery Cost		Evaluated Cost		Reason for Recommendation
		\$ Ton	\$ MMBtu	\$ Ton	\$ MMBtu	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**REDACTED**

**FUEL EVALUATION FOR COOPER POWER STATION**

**SCRUBBER TEST COAL**

Date: 11/5/2012  
 Event Nbr: 213  
 Bid End Date: 11/05/2012

Coal Supplier	Number	Quality Btu			Delivery Cost		Evaluated Cost		Reason for Recommendation
		% Sulfur	% Ash	Tons	Term	\$ Ton	\$ MMBtu	\$ Ton	
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]

**REDACTED**



**EAST KENTUCKY POWER COOPERATIVE, INC.**

**PSC CASE NO. 2013-00262**

**FUEL ADJUSTMENT CLAUSE**

**RESPONSE TO INFORMATION REQUEST**

**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13**

**REQUEST 21**

**RESPONSIBLE PARTY: Julie J. Tucker**

**Request 21.** a. List all intersystem sales during the period under review in which East Kentucky used a third party's transmission system.

b. For each sale listed above:

(1) Describe how East Kentucky addressed, for FAC reporting purposes, the cost of fuel expended to cover any line losses incurred to transmit its power across the third party's transmission system; and

(2) State the line loss factor used for each transaction and describe how that line loss factor was determined.

**Response 21.** a. None

b. (1) Not applicable.

(2) Not applicable.



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**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 22**

**RESPONSIBLE PARTY:            Julia J. Tucker**

**Request 22.**            Describe each change that East Kentucky made to its methodology for calculating intersystem sales line losses during the period under review.

**Response 22.**            East Kentucky has made no changes to its methodology for calculating intersystem sales line losses during the period under review.



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**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 23**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 23.** State whether, during the period under review, East Kentucky has solicited bids for coal with the restriction that it was not mined through strip mining or mountain top removal. If yes, explain the reasons for the restriction on the solicitation, the quantity in tons and price per ton of the coal purchased as a result of this solicitation, and the difference between the price of this coal and the price it could have obtained for the coal if the solicitation had not been restricted.

**Response 23.** East Kentucky did not solicit bids for coal with the restriction that is was not mined through strip mining or mountain top removal.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

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**RESPONSE TO INFORMATION REQUEST**

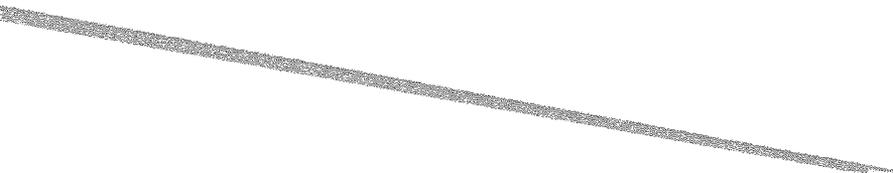
**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13**

**REQUEST 24**

**RESPONSIBLE PARTY: Craig A. Johnson**

**Request 24.** Provide a detailed discussion of any specific generation efficiency improvements East Kentucky has undertaken during the period under review.

**Response 24.** EKPC did not make any specific generation efficiency improvements during the period from November 1, 2012 to April 30, 2013.



**EAST KENTUCKY POWER COOPERATIVE, INC.**

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**COMMISSION STAFF'S INFORMATION REQUEST DATED 08/08/13  
REQUEST 25**

**RESPONSIBLE PARTY: Ernest W. Huff**

**Request 25.** Explain whether closures of coal mines due to decreased demand for coal could potentially lead to coal shortages that could affect reliability. Include in the explanation whether evidence of such a potential shortage exists today.

**Response 25.** United States coal production as of July 31, 2013, is down 4 percent, year to date, from 2012, while U. S. coal consumption increased by 9.4 percent, year to date, through July 2012. However, delivered coal prices to utilities were down 2.5 percent during this period. This indicates that supply continues to be greater than demand. Natural gas prices will continue to affect the amount of coal mined and burned. Reopening of closed mines can be a challenge, both from the regulatory side and the available labor force. Higher gas prices, economic recovery, and a robust export market could possibly create coal shortages, but there is no apparent evidence of this today.



**POWER TRANSACTION SCHEDULE  
(DETAIL CREDIT - PER CASE NO. 2000-00496-B)**

Purchase Power Calculation for FAC for April 2013

Prepared By: Laura Wilson

Data Source - EMS System

**PURCHASE POWER OBLIGATIONS**

Hour Ending	Interface	Transaction	MW	Rate	Total / Hr Purchased	Mwh Excluded from FAC			Total Sales	Mwh over Max MW	Actual Cost /MWh	Max Cost Allowed /MWh	Total Credit to Fuel Cost	Total Credit to Fuel Cost
						Sales to Gallatin	Sales to TGP	Other Sales						
4/2/13 21:00	PJM	NFHP01	100	74.34	7,434.00				-	100 \$	74.34	73.07	(1.27)	(127)
4/4/13 8:00	PJM	NFHP02	50	102.36	5,118.00				-	50 \$	102.36	73.07	(29.29)	(1,464)
4/9/13 21:00	PJM	NFHP01	100	119.40	11,940.00					100 \$	119.40	73.07	(46.33)	(4,633)
4/9/13 21:00	PJM	NFHP02	200	119.40	23,880.00					200 \$	119.40	73.07	(46.33)	(9,265)
4/10/13 16:00	PJM	NFHP02	125	94.53	11,816.25					125 \$	94.53	73.07	(21.46)	(2,682)
4/10/13 17:00	PJM	NFHP02	50	100.30	5,015.00					50 \$	100.30	73.07	(27.23)	(1,361)
4/10/13 22:00	PJM	NFHP01	56	78.10	4,373.60					56 \$	78.10	73.07	(5.03)	(282)
4/13/13 21:00	PJM	NFHP01	100	73.70	7,370.00					100 \$	73.70	73.07	(0.63)	(63)
4/17/13 7:00	PJM	NFHP02	350	84.50	29,575.00					350 \$	84.50	73.07	(11.43)	(3,999)
Total			1131		106,521.85				-	1,131				(23,876)
				\$	73.07									
				\$	73.07	Max allowable fuel cost to pass through on the FAC for Current Month.								

Smith #2  
 Monthly Heat Rate 16,060 Heat Rate Monthly  
 Highest Cost Gas for Month 4.5500 04/29/13 highest gas price per hour provided by David Labude