

## RECEIVED

SEP 1 2 2012

PUBLIC SERVICE COMMISSION

September 12, 2012

HAND DELIVERED

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

Re: PSC Case No. 2012-00319

Dear Mr. Derouen:

Please find enclosed for filing with the Commission in the above-referenced case an original and ten redacted copies of the responses of East Kentucky Power Cooperative, Inc. ("EKPC"), to the information requests contained in the Appendix to the Commission's Order dated August 22, 2012, and EKPC's Petition for Confidential Treatment of Information. One copy of the designated confidential portions of the responses is enclosed in a sealed envelope.

Roger R. Cowden

Counsel

Enclosures

## 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,	)	CASE NO. 2012-00319
INC. FROM NOVEMBER 1, 2011 THROUGH	)	
APRIL 30, 2012	)	

## PETITION FOR CONFIDENTIAL TREATMENT OF INFORMATION

Comes now the petitioner, East Kentucky Power Cooperative, Inc. ("EKPC") and, as grounds for this Petition for Confidential Treatment of Information (the "Petition"), states as follows:

- 1. This Petition is filed in conjunction with the filing of EKPC's responses to Requests 15 and 20 contained in the Appendix to the Order in this case dated August 22, 2012, and relates to confidential information contained in those responses that is entitled to protection pursuant to 807 KAR 5:001 Section 7 and KRS §61.878 (1) (c) 1 and related sections.
- 2. The information designated as confidential in the response to Request 20 includes the identification of coal vendors, and ranking of proposals under EKPC's evaluation process, for all bids submitted to EKPC's written and oral coal solicitations during the Fuel Adjustment Clause ("FAC") period under review in this case. The tabulation sheets requested disclose critical information relating to EKPC's current coal

pricing and volume of usage, its proposal evaluation procedures, and its coal acquisition strategies.

Allowing potential coal suppliers to access this information could provide them an unfair competitive advantage which could raise EKPC's cost of power production and place it at an unfair competitive disadvantage in the market for surplus bulk power. Disclosure of this information to utilities, independent power producers and power marketers that compete with EKPC for sales in the bulk power market, would allow such competitors to determine EKPC's power production costs for specific periods of time, or under various operating conditions, and to use such information to potentially underbid EKPC in transactions for the sale of surplus bulk power, which would constitute an unfair competitive disadvantage to EKPC. Additionally, the response to Request 15 contains certain information with respect to internal strategic Board policies of EKPC which, if disclosed, could place EKPC at an unfair competitive disadvantage in the marketplace.

- 3. Confidential protection has been given by the Commission to the response to data request 20 in past cases by other jurisdictional utilities, based on the same grounds stated herein, and was originally granted to EKPC in PSC Case No. 2007-00523.
- 4. Along with this Petition, EKPC has enclosed one copy of its response to Requests 15 and 20, with the confidential information identified by highlighting or other designation, and 10 copies of the complete responses, with the confidential information redacted. The identified confidential information is not known outside of EKPC and is distributed within EKPC only to persons with a need to use it for business purposes. It is entitled to confidential treatment pursuant to 807 KAR 5:001 Section 7 and KRS §61.878(1)(c) 1, for the reasons stated hereinabove, as information which would permit

an unfair commercial advantage to competitors of EKPC if disclosed. The subject information is also entitled to protection pursuant to KRS §61.878(1)(c) 2 c, as records generally recognized as confidential or proprietary which are confidentially disclosed to an agency in conjunction with the regulation of a commercial enterprise.

WHEREFORE, EKPC respectfully requests the Public Service Commission to grant confidential treatment to the identified information and deny public disclosure of said information.

Respectfully submitted.

Roger/R. Cowden

East Kentucky Power Cooperative, Inc.

P.O. Box 707

Winchester, KY 40392-0707

(859) 744-4812 – Telephone

(859) 744-6008 – Facsimile

Counsel for East Kentucky Power Cooperative, Inc.

## **CERTIFICATE OF SERVICE**

This is to certify that an original and 10 copies of the foregoing Petition for Confidential Treatment of Information in the above-styled case were hand-delivered to the Office of Jeffrey Derouen, Executive Director of the Kentucky Public Service Commission, 211 Sower Boulevard, Frankfort, Kentucky 40601 on September 12, 2012.

Counsel for East Kentucky Power Cooperative, Inc.

### BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MA	TTER	$\mathbf{OF}$
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AN EXAMINATION OF THE	)	
APPLICATION OF THE FUEL	)	
ADJUSTMENT CLAUSE OF EAST	)	
KENTUCKY POWER COOPERATIVE,	)	CASE NO. 2012-00319
INC. FROM NOVEMBER 1, 2011	)	
THROUGH APRIL 30, 2012	)	

### **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Ernest W. Huff, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated August 22, 2012, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this  $\frac{12}{2}$  day of September 2012.

MY COMMISSION EXPIRES NOVEMBER 30, 2013 NOTARY ID #409352

## BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MA	TTER	OF:
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AN EXAMINATION OF THE	)	
APPLICATION OF THE FUEL	)	
ADJUSTMENT CLAUSE OF EAST	)	
KENTUCKY POWER COOPERATIVE,	)	CASE NO. 2012-00319
INC. FROM NOVEMBER 1, 2011	)	
THROUGH APRIL 30, 2012	)	

## **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Craig A. Johnson, being duly sworn, states that he has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated August 22, 2012, and that the matters and things set forth therein are true and accurate to the best of his knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this  $\frac{12^{12}}{12^{12}}$  day of September 2012.

MY COMMISSION EXPIRES NOVEMBER 30, 2013

NOTARY ID #409352

### BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MA	TTER	OF:
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AN EXAMINATION OF THE	)	
APPLICATION OF THE FUEL	)	
ADJUSTMENT CLAUSE OF EAST	)	
KENTUCKY POWER COOPERATIVE,	)	CASE NO. 2012-00319
INC. FROM NOVEMBER 1, 2011	)	
THROUGH APRIL 30, 2012	)	

## CERTIFICATE

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Julia J. Tucker, being duly sworn, states that she has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated August 22, 2012, and that the matters and things set forth therein are true and accurate to the best of her knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this 420

day of September 2012.

MY COMMISSION EXPIRES NOVEMBER 30, 2013

NOTARY ID #409352

### BEFORE THE PUBLIC SERVICE COMMISSION

IN	THE	MATT	ER OF	ने:	

AN EXAMINATION OF THE APPLICATION OF THE FUEL ADJUSTMENT CLAUSE OF EAST KENTUCKY POWER COOPERATIVE,

CASE NO. 2012-00319

INC. FROM NOVEMBER 1, 2011 THROUGH APRIL 30, 2012

### **CERTIFICATE**

STATE OF KENTUCKY	)
	)
COUNTY OF CLARK	)

Ann F. Wood, being duly sworn, states that she has supervised the preparation of the responses of East Kentucky Power Cooperative, Inc. to the Public Service Commission Staff Data Requests contained in the Appendix in the above-referenced case dated August 22, 2012, and that the matters and things set forth therein are true and accurate to the best of her knowledge, information and belief, formed after reasonable inquiry.

Subscribed and sworn before me on this 12th day of September 2012.

MY COMMISSION EXPIRES NOVEMBER 30, 2013 NOTARY ID #409352

## 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,	) CASE NO. 2012-0	00319
INC. FROM NOVEMBER 1, 2011	)	
THROUGH APRIL 30, 2012	)	

RESPONSES TO COMMISSION STAFF'S INFORMATION REQUEST TO EAST KENTUCKY POWER COOPERATIVE, INC.

DATED AUGUST 22, 2012

## **PSC CASE NO. 2012-00319**

## PUBLIC SERVICE COMMISSION REQUEST DATED 08/22/12

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 22, 2012. Each response with its associated supportive reference materials is individually tabbed.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 1

**RESPONSIBLE PARTY:** Ernest W. Huff

Request 1. For the period from November 1, 2011 through April 30, 2012, 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 9 of this response. All contract purchases have been filed with the Commission.

Supplier	Spot/Contract	Order Number	Quantity (Tons)
	<u>Dale</u>		
November 2011			
TRINITY COAL MARKETING LLC	L T Contract	0000000124	6,232.33
PERRY COUNTY COAL CORPORATION	L. T Contract	0000000126	16,382.94
CDR OPERATIONS INC	Spot Market	0000151413	2,006.11
		November 2011	24,621.38
December 2011			
TRINITY COAL MARKETING LLC	L T Contract	000000124	10,169.90
PERRY COUNTY COAL CORPORATION	L. T Contract	000000126	15,566.22
CDR OPERATIONS INC	Spot Market	0000151413	8,177.83
		December 2011	33,913.95
January 2012			
TRINITY COAL MARKETING LLC	L T Contract	000000124	7,530.65
PERRY COUNTY COAL CORPORATION	L. T Contract	000000126	10,657.06
		January 2012	18,187.71
February 2012			
TRINITY COAL MARKETING LLC	L T Contract	000000124	7,510.87
PERRY COUNTY COAL CORPORATION	L. T Contract	0000000126	2,479.16
		February 2012	9,990.03
March 2012			
TRINITY COAL MARKETING LLC	L T Contract	000000124	7,518.97
PERRY COUNTY COAL CORPORATION	L T Contract	000000126	302.71
		March 2012	7,821.68
April 2012			
PERRY COUNTY COAL CORPORATION	L T Contract	000000126	4,833.07
		April 2012	4,833.07

Supplier	Spot/Contract	Order Number	Quantity (Tons)
	Cooper		
November 2011			
NATIONAL COAL CORPORATION	L T Contract	0000000224	704 58
TRINITY COAL MARKETING LLC	L T Contract	0000000230	7,561.93
B & W RESOURCES INC	L T Contract	0000000236	11,276.31
TRINITY COAL MARKETING LLC	L T Contract	0000000238	13,167 32
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	11,867.66
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	2,055.75
		November 2011	46,633.55
December 2011			
NATIONAL COAL CORPORATION	L T Contract	0000000224	742 62
TRINITY COAL MARKETING LLC	L T Contract	0000000230	8,261.14
B & W RESOURCES INC	L T Contract	0000000236	4,768.98
TRINITY COAL MARKETING LLC	L T Contract	0000000238	13,472 48
JAMIESON CONSTRUCTION CO	L T Contract	000000240	12,188.49
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	2,322 81
		December 2011	41,756.52
January 2012			
TRINITY COAL MARKETING LLC	L T Contract	0000000230	8,432.76
TRINITY COAL MARKETING LLC	L T Contract	0000000238	7,344 13
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	8,132 66
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	10,089 62
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	1,741 18
XINERGY CORPORATION	Spot Market	0000251426	5,560.37
JAMIESON CONSTRUCTION CO	Spot Market	0000251427	10,635 38
		January 2012	51,936.10
February 2012			
TRINITY COAL MARKETING LLC	L T Contract	0000000230	8,306.33
TRINITY COAL MARKETING LLC	L T Contract	0000000238	7,250.02
JAMIESON CONSTRUCTION CO	L T Contract	000000240	3,253 65
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	16,942.42
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	2,034.77
XINERGY CORPORATION	Spot Market	0000251426	9,052 62
JAMIESON CONSTRUCTION CO	Spot Market	0000251427	6,639.33
		February 2012	53,479.14

<u>Supplier</u>	Spot/Contract	Order Number	Quantity (Tons)
March 2012			
TRINITY COAL MARKETING LLC	L T Contract	000000230	8,426.88
TRINITY COAL MARKETING LLC	L T Contract	0000000238	7,204.47
JAMIESON CONSTRUCTION CO	L. T Contract	000000240	3,102.87
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	19,941.95
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	2,010.04
XINERGY CORPORATION	Spot Market	0000251426	9,856 61
JAMIESON CONSTRUCTION CO	Spot Market	0000251427	4,100 67
		March 2012	54,643.49
April 2012			
TRINITY COAL MARKETING LLC	L T Contract	0000000226	7,559.85
TRINITY COAL MARKETING LLC	L T Contract	0000000230	6,338 72
TRINITY COAL MARKETING LLC	L T Contract	0000000238	7,065 50
JAMIESON CONSTRUCTION CO	L T Contract	0000000240	3,077 61
PERRY COUNTY COAL CORPORATION	L T Contract	0000000242	5,045.34
MOUNTAINSIDE COAL CO INC	Spot Market	0000251421	2,039.91
XINERGY CORPORATION	Spot Market	0000251426	10,385.41
JAMIESON CONSTRUCTION CO	Spot Market	0000251427	13,702.77
		April 2012	55,215.11
	Spurlock Scrubbe	r Coal	
November 2011			
ARMSTRONG COAL COMPANY INC	L T Contract	000000500	43,101.00
OXFORD MINING COMPANY	L T Contract	000000504	18,791 00
WILLIAMSON ENERGY LLC	L T Contract	000000506	16,230.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	4,787.00
WHITE COUNTY COAL LLC	L T Contract	000000508	17,466 00
CONSOL COAL COMPANY	L T Contract	0000000510	6,602.00
PEABODY COALSALES LLC	L T Contract	0000000512	23,667.00
PEABODY COALSALES LLC	L T Contract	0000000514	14,062 00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	6,340.00
B & W RESOURCES INC	L T Contract	0000000518	11,558.20
RIVER TRADING COMPANY, LTD	Spot Market	0000551416	3,125.00
CARGILL INC	Spot Market	0000551417	18,972.00
RIVER TRADING COMPANY, LTD	Spot Market	0000551418	3,747.06
		November 2011	188,448.26

Supplier	Spot/Contract	Order Number	Quantity (Tons)
December 2011			
ARMSTRONG COAL COMPANY INC	L T Contract	000000500	35,451 00
OXFORD MINING COMPANY	L T Contract	000000504	35,177.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	11,498.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	9,754.00
WHITE COUNTY COAL LLC	L T Contract	000000508	30,172 00
CONSOL COAL COMPANY	L T Contract	000000510	6,801.00
PEABODY COALSALES LLC	L T Contract	0000000512	48,024.00
PEABODY COALSALES LLC	L T Contract	0000000514	7,848.00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	28,524 00
B & W RESOURCES INC	L T Contract	0000000518	11,068 28
CARGILL INC	Spot Market	0000551417	35,056.00
RIVER TRADING COMPANY, LTD	Spot Market	0000551425	11,181.00
		December 2011	270,554.28
January 2012			
ARMSTRONG COAL COMPANY INC	L T Contract	000000500	43,267.00
OXFORD MINING COMPANY	L T Contract	000000504	15,016.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	13,118.00
WHITE COUNTY COAL LLC	L T Contract	000000508	6,242.00
CONSOL COAL COMPANY	L T Contract	0000000510	21,773.00
PEABODY COALSALES LLC	L T Contract	0000000512	16,127.00
PEABODY COALSALES LLC	L T Contract	0000000514	19,881.00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	9,519.00
PATRIOT COAL SALES LLC	L T Contract	0000000522	24,098.00
CARGILL INC	Spot Market	0000551417	19,615 00
OXFORD MINING COMPANY	Spot Market	0000551419	4,640.00
ALLIANCE COAL LLC	Spot Market	0000551420	3,138 00
RIVER TRADING COMPANY, LTD	Spot Market	0000551425	4,802.00
OXFORD MINING COMPANY	Spot Market	0000551428	14,646.00
OXFORD MINING COMPANY	Spot Market	0000551429	1,613.00
		January 2012	217,495.00

Supplier	Spot/Contract	Order Number	Quantity (Tons)
February 2012			
ARMSTRONG COAL COMPANY INC	L T Contract	000000500	24,150 00
OXFORD MINING COMPANY	L T Contract	000000504	23,950.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	8,187.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	6,491.00
WHITE COUNTY COAL LLC	L T Contract	0000000508	20,875 00
CONSOL COAL COMPANY	L T Contract	000000510	25,117 00
PEABODY COALSALES LLC	L T Contract	0000000514	33,839 00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	31,737.00
B & W RESOURCES INC	L T Contract	0000000518	20,338.96
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	11,286 00
PATRIOT COAL SALES LLC	L T Contract	0000000522	24,092 00
OXFORD MINING COMPANY	Spot Market	0000551419	14,000 00
ALLIANCE COAL LLC	Spot Market	0000551420	17,443.00
OXFORD MINING COMPANY	Spot Market	0000551428	1,556.00
OXFORD MINING COMPANY	Spot Market	0000551429	1,618.00
		February 2012	264,679.96
March 2012			
ARMSTRONG COAL COMPANY INC	L T Contract	000000500	26,057.00
OXFORD MINING COMPANY	L T Contract	000000504	23,681.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	14,861 00
WILLIAMSON ENERGY LLC	L T Contract	000000506	6,813.00
WHITE COUNTY COAL LLC	L T Contract	000000508	19,024.00
CONSOL COAL COMPANY	L T Contract	0000000510	32,622 00
PEABODY COALSALES LLC	L T Contract	0000000514	32,735 00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	20,833.00
B & W RESOURCES INC	L T Contract	0000000518	20,219.60
ARMSTRONG COAL COMPANY INC	L T Contract	0000000520	3,227.00
PATRIOT COAL SALES LLC	L T Contract	0000000522	15,542 00
OXFORD MINING COMPANY	Spot Market	0000551419	18,660.00
ALLIANCE COAL LLC	Spot Market	0000551420	9,519.00
OXFORD MINING COMPANY	Spot Market	0000551428	12,798.00
		March 2012	256,591.60

Supplier	Spot/Contract	Order Number	Quantity (Tons)
April 2012			
ARMSTRONG COAL COMPANY INC	L. T Contract	000000500	19,465 00
OXFORD MINING COMPANY	L T Contract	000000504	27,266 00
WILLIAMSON ENERGY LLC	L T Contract	000000506	9,803.00
WILLIAMSON ENERGY LLC	L T Contract	000000506	14,631.00
WHITE COUNTY COAL LLC	L T Contract	000000508	23,901.00
CONSOL COAL COMPANY	L T Contract	000000510	21,665 00
PEABODY COALSALES LLC	L T Contract	0000000514	26,928 00
AMERICAN ENERGY CORPORATION	L T Contract	0000000516	28,486.00
ARMSTRONG COAL COMPANY INC	L T Contract	000000520	8,226.00
PATRIOT COAL SALES LLC	L T Contract	000000522	1,612.00
OXFORD MINING COMPANY	Spot Market	0000551419	7,748.00
ALLIANCE COAL LLC	Spot Market	0000551420	14,334 00
OXFORD MINING COMPANY	Spot Market	0000551428	3,103 00
OXFORD MINING COMPANY	Spot Market	0000551431	6,455.00
		April 2012	213,623.00
	Spurlock CF	R	
November 2011	Sparroun	<u>~</u>	
November 2011			
OXFORD MINING COMPANY	L T Contract	008000000	23,821.00
B & N COAL INC	L T Contract	0000000812	16,291.00
ALPHA COAL SALES LLC	L T Contract	000000816	1,622 00
ALPHA COAL SALES LLC	L T Contract	0000000818	6,316.00
ALPHA COAL SALES LLC	L T Contract	0000000818	1,546.00
JAMES RIVER COAL SALES INC	L T Contract	000000820	14,590.00
B & N COAL INC	L T Contract	000000812A	24,569 00
OXFORD MINING COMPANY	Spot Market	0000851405	4,667.00
PATRIOT COAL SALES LLC	Spot Market	0000851410	9,420.00
OXFORD MINING COMPANY	Spot Market	0000851411	10,908 00
B & N COAL INC	Spot Market	0000851422	1,672.00
ALPHA COAL SALES CO LLC	Spot Market	0000851423	11,398 85
ALPHA COAL SALES CO LLC	Spot Market	0000851423	20,518 35
		November 2011	147,339.20

<u>Supplier</u>	Spot/Contract	Order Number	Quantity (Tons)
December 2011			
OXFORD MINING COMPANY	L T Contract	0000000800	34,187 00
B & N COAL INC	L T Contract	0000000812	16,343.00
ALPHA COAL SALES LLC	L T Contract	0000000816	26,080 90
ALPHA COAL SALES LLC	L T Contract	0000000816	1,625 00
ALPHA COAL SALES LLC	L T Contract	0000000818	7,941.00
ALPHA COAL SALES LLC	L T Contract	0000000818	14,605.00
JAMES RIVER COAL SALES INC	L T Contract	0000000820	14,660.00
B & N COAL INC	L T Contract	000000812A	13,212 00
OXFORD MINING COMPANY	Spot Market	0000851405	7,720 00
PATRIOT COAL SALES LLC	Spot Market	0000851410	4,791 00
OXFORD MINING COMPANY	Spot Market	0000851411	15,520.00
B & N COAL INC	Spot Market	0000851422	8,215.00
ALPHA COAL SALES CO LLC	Spot Market	0000851423	11,274 95
		December 2011	176,174.85
January 2012			
OXFORD MINING COMPANY	L T Contract	008000000	34,523 00
B & N COAL INC	L T Contract	0000000812	16,455 00
ALPHA COAL SALES LLC	L T Contract	000000816	8,277.00
ALPHA COAL SALES LLC	L T Contract	000000816	4,904 00
ALPHA COAL SALES LLC	L T Contract	0000000818	1,683 00
ALPHA COAL SALES LLC	L T Contract	000000818	8,126 00
JAMES RIVER COAL SALES INC	L T Contract	0000000820	17,776.00
B & N COAL INC	L T Contract	000000812A	37,381.00
OXFORD MINING COMPANY	Spot Market	0000851405	21,865.00
PATRIOT COAL SALES LLC	Spot Market	0000851410	1,587 00
OXFORD MINING COMPANY	Spot Market	0000851411	17,100.00
		January 2012	169,677.00
February 2012			
OXFORD MINING COMPANY	L T Contract	0000000800	25,451.00
B & N COAL INC	L T Contract	0000000812	18,093.00
ALPHA COAL SALES LLC	L T Contract	0000000816	7,940.00
ALPHA COAL SALES LLC	L T Contract	000000816	11,323.00
ALPHA COAL SALES LLC	L T Contract	0000000818	1,631.00
ALPHA COAL SALES LLC	L T Contract	0000000818	6,458.00
JAMES RIVER COAL SALES INC	L T Contract	0000000820	6,496 00
B & N COAL INC	L T Contract	000000812A	24,060.00
OXFORD MINING COMPANY	Spot Market	0000851405	12,432 00
PATRIOT COAL SALES LLC	Spot Market	0000851410	3,226 00
OXFORD MINING COMPANY	Spot Market	0000851411	9,347.00
OXFORD MINING COMPANY	Spot Market	0000851430	13,996.00
		February 2012	140,453.00

Supplier	Spot/Contract	Order Number	Quantity (Tons)
March 2012			
OXFORD MINING COMPANY	L T Contract	0000000800	32,345.00
B & N COAL INC	L T Contract	0000000812	16,190.00
ALPHA COAL SALES LLC	L T Contract	0000000816	6,662.00
ALPHA COAL SALES LLC	L T Contract	0000000816	3,312 00
ALPHA COAL SALES LLC	L T Contract	0000000818	4,938 00
ALPHA COAL SALES LLC	L T Contract	0000000818	3,255 00
JAMES RIVER COAL SALES INC	L T Contract	0000000820	12,753.00
B & N COAL INC	L T Contract	000000812A	17,857.00
PATRIOT COAL SALES LLC	Spot Market	0000851410	9,644.00
OXFORD MINING COMPANY	Spot Market	0000851411	14,051 00
OXFORD MINING COMPANY	Spot Market	0000851430	40,705 00
		March 2012	161,712.00
April 2012			
OXFORD MINING COMPANY	L T Contract	0000000800	42,745.00
B & N COAL INC	L T Contract	0000000812	14,666.00
ALPHA COAL SALES LLC	L T Contract	0000000816	9,811 00
ALPHA COAL SALES LLC	L T Contract	0000000816	11,340.00
ALPHA COAL SALES LLC	L T Contract	0000000818	6,525.00
ALPHA COAL SALES LLC	L T Contract	0000000818	4,824 00
JAMES RIVER COAL SALES INC	L T Contract	0000000820	4,858.00
B & N COAL INC	L T Contract	000000812A	21,217 00
PATRIOT COAL SALES LLC	Spot Market	0000851410	3,084 00
OXFORD MINING COMPANY	Spot Market	0000851411	7,812.00
OXFORD MINING COMPANY	Spot Market	0000851430	17,145 00
		April 2012	144,027.00
TOTAL PERCENTAGE SPOT	22%		
TOTAL PERCENTAGE CONTRACT	78%		

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 2

**RESPONSIBLE PARTY:** Ernest W. Huff

Request 2. For the period from November 1, 2011 through April 30, 2012, 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>	Quantity (MMBtu)	Type of Purchase
Constellation	40,000	Spot
Atmos	2,631,346	Spot
TGP	7,711	Spot
Texon	1,647,930	Spot
BP Energy	10,000	Spot
Sequent	176,000	Spot

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

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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. In December 2011, East Kentucky did purchase approximately one-half of its projected natural gas usage for January and February 2012 at a fixed price and quantity.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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, 2011 through April 30, 2012, 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. 2012-00319

## RESPONSE TO PSC ORDER DATED 08/22/12

Station	November	December	January	February	March	April
Dale						
Tons Burned	26,018.22	26,659.60	12,382.68	12,579.02	4,668.56	0.00
Generation—Net kWh	54.908,000.00	55,519,000.00	24,109,000.00	25,297,000.00	8,547,000.00	-782,000.00
Actual Capacity Factor (net)	38.91	38.07	16.53	18.54	5.86	-0.55
Cooper						
Tons Burned	47,945.00	72,972.00	59,386.00	18,590.50	21,943.00	17,753.00
Tons Delivered	46,633.55	41,756.52	51,936.10	53,479.14	54,643.49	55,215.11
Generation—Net kWh	108,353,000.00	169,921,000.00	140,284,000.00	41,353,000.00	45,584,000.00	39,838,000.00
Actual Capacity Factor (net)	44.13	86.99	55.29	17.42	17.97	16.23
Spurlock 1 & 2 (Scrubber)						
Tons Burned	205,933.00	240,787.00	199,524.00	219,084.00	169,162.00	189,536.00
Tons Delivered	188,448.26	270,554.28	217,495.00	264,679.96	256,591.60	213,623.00
Generation—Net kWh	439,617,122.00	521,038,372.00	432,809,750.00	492,385,696.00	376,442,681.00	421,194,900.00
Actual Capacity Factor (net)	75.38	86.46	71.82	87.34	62.47	72.22
Gilbert/Spurlock 4 (CFB)						
Tons Burned	121,926.00	113,543.00	174,140.00	160,443.00	164,499.00	80,640.00
Tons Delivered	147,339.20	176,174.85	169,677.00	140,453.00	161,712.00	144,027.00
Generation—Net kWh	257,663,000.00	239,621,000.00	380,278,000.00	349,059,000.00	352,824,000.00	171,080,000.00
Actual Capacity Factor (net)	22.99	60.09	95.36	93.57	88.47	44.33

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 5

RESPONSIBLE PARTY: Julia J. Tucker

Request 5. List all firm power commitments for East Kentucky from November 1, 2011 through April 30, 2012 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

Company	MW	Purpose	Contract Date
AEP	50	Energy	01/01/12 - 12/31/14
Ameren	100	Energy	12/01/11 - 03/01/12
EDF	75	Energy	01/01/12 – 03/01/12
SEPA	Up to 170	Energy	07/01/98 - 06/30/17

(b) There were no firm power sales from November 1, 2011 through April 30, 2012.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 6

RESPONSIBLE PARTY: Ann F. Wood

**Request 6.** Provide a monthly billing summary of sales to all electric utilities for the period November 1, 2011 through April 30, 2012.

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.

67,586,745

12,888,857

8,895,910 32,407,706

60.32

43,684,180

64.17

945,712,355 11,358,595,508

25,667,055

Month

Totals

249,710,990

412,102

1,380,152

-942,393

Page 1 of 2

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

12/2/11 15:43

2011

2,809,485 10,737,789 71,320,398 84,433,816 32,057,683 29,807,709 1,656,836 17,652,288 4,221,033 48,238,852 19,867,076 2,473,496 7,617,258 31,615,978 67,586,251 54,697,888 1,283,877 7,005,058 28,847,735 3,210,840 33,906,953 2,792,162 52,248,699 1,611,806 17,347,970 2,648,524 5,690,773 61,457,552 28,674,124 1,638,887 6,884,097 30,336,958 2,575,882 4,886,251 6,010,171 Revenue Surcharge Mills/KWH 71.40 63.40 77.70 73.10 November 77,40 71.16 76.15 68.79 74.50 69.65 67,43 70.99 67.94 75.60 69.85 71.99 70.79 74.12 68.60 64.60 76.39 71.37 77.41 71.46 73.44 59.47 72.37 77.22 71.07 77.57 76.77 69.21 362,818 361,025 5,578,476 5,582,945 545,776 777,107 3,081,290 8,729,906 31,027,554 3,450,613 208,406 ,861,250 1,894,593 5,188,574 1,388,384 2,852,239 606,607,7 319,820 984,904 3,061,374 166,004 ,635,066 ,098,536 415,160 ,637,732 342,453 3,198,301 735,811 214,227 3,384,487 623,301 211,907 333,061 Surcharge Mills/KWH 63.79 67.39 63.94 61.39 60.18 67.65 63.89 65.83 62.34 67.54 64.26 63.19 64.54 61.76 59.85 57.71 66.51 63.71 67,40 63.54 66.30 63.74 55.20 53.09 64.86 62.12 63.01 63.37 66.84 Fuel Fuel Charge 182,530 65,415 74,213 131,475 41,568 67,289 42,864 333,658 158,935 67,115 193,023 71,247 82,398 42,741,787 911,946 4,435,128 1,561,499 1,753,426 -935,654 -1,617,871 144,844 3,391,009 957,789 2,657,755 7,830,767 3,807,337 -1,625,965 4,605,773 1,811,664 3,112,191 113,234 1,676,496 -1,861,181 65.19 53.23 62.89 61.05 67.08 58.01 61.55 64.54 67.56 65.44 67.67 65.42 67,47 64.33 67.61 61.97 56.98 65.84 64.00 65.68 67.25 65.29 64.49 50.85 62.57 Mills/KWH 924,553,418 425,273,858 11,108,884,518 235,901,733 33,206,340 308,749,747 243,071,588 34,213,080 417,124,134 73,525,598 247,218,206 57,478,438 701,204,142 2,015,625,169 80,677,634 ,023,934,393 34,178,985 98,038,786 1,189,327,671 36,384,672 21,158,937 21,246,485 92,653,989 400,714,076 178,994,743 463,178,524 71,224,411 21,100,143 863,617,892 21,757,974 169,368,997 41,826,624 37,671,262 444,833,321 ,150,115,321 191,090 131,833 180,338 893,435 261,712 25,254,953 54,045 223,799 994,623 89,654 347,677 103,381 83,178 162,243 50,478 ,031,800 2,065,576 51,773 584,129 72,823 2,855,899 2,189,596 ,633,910 ,798,466 568,914 ,592,271 4,175,733 ,273,168 ,169,836 566,297 958,294 103,471 ,092,602 82,101 ΔŢ TTD YTD Z E ΔT Month Aonth ZT Month Month YTD Month 7 Month 7 Month 7 Month Month Month Month YTD Month £ Month Month ΔŢ Jonth donth 5 Month Ę 5 CUMBERLAND VALLEY ELECTRIC CO-OP Name/EKPC CO-OP Subtotals JACKSON ENERGY COOP SOUTH KENTUCKY RECC TAYLOR COUNTY RECC SHELBY ENERGY COOP FLEMING MASON RECC LICKING VALLEY RECC CLARK ENERGY COOP BLUE GRASS ENERGY INTER-COUNTY ECC SALT RIVER RECC **BIG SANDY RECC** GRAYSON RECC FARMERS RECC NOLIN RECC Inland Steam OWEN EC

Prepared by Laura Wilson

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

CPRN330

2011

									November	
CO-OP Name/EKPC			KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside		Month	337	172,807	60.39	340	62.35	1,600	71.61	12,375
		ΥTD	3,671	2,030,792	61.89	-7,300	58.30	14,293	65.34	132,688
East Ky Office		Month	966	548,913	59.30	1,083	61.27	4,996	70.38	38,630
		YTD	10,905	6,663,130	98.09	-26,693	56.85	45,115	63.62	423,919
Smith Contruction		Month	127	50,657	64.83	100	66.80	503	76.73	3,887
		YTD	1,054	531,232	64.11	-2,383	59.63	3,677	66.55	35,353
EKPC Subtotals		Month	1,460	772,377	59.91	1,523	61.88	660'2	71.07	54,892
		YTD	15,630	9,225,154	61.27	-36,376	57.33	63,085	64.17	591,960
	Totals	Month	2,228,277	946,484,732	61.46	1,855,120	63.42	8,903,009	72.82	68,925,020
		YTD	25,682,685	11,367,820,662	64.17	-43,720,556	60.32	82,470,791	67.57	768,178,705

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

				November 2011
CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month YTD	5,800 45,600	0.02375	138 1,084
BLUE GRASS ENERGY	Month YTD	22,700 257,000	0.02375	539 6,104
CLARK ENERGY COOP	Month YTD	2,700 30,400	0.02375	64 725
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,400 26,100	0.02375	57 620
FARMERS RECC	Month YTD	2,900 29,500	0.02375	669 69
FLEMING MASON RECC	Month YTD	3,100 31,000	0.02375	74 739
GRAYSON RECC	Month YTD	7,700 84,700	0.02375	183 2,013
INTER-COUNTY ECC	Month YTD	5,800 64,400	0.02375	138 1,530
JACKSON ENERGY COOP	Month YTD	16,000 180,500	0.02375	380 4,286
LICKING VALLEY RECC	Month YTD	3,400 37,600	0.02375	81 895
NOLIN RECC	Month YTD	31,100 343,100	0.02375	739 8,147
OWEN EC	Month YTD	216,800 2,389,100	0.02375	5,149 56,742

Prepared by Laura Wilson

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

				November 2011
CO-OP Name/EKPC		КWН	KWH Charge	Revenue
SALT RIVER RECC	Month YTD	48,900 542,900	0.02375	1,161
SHELBY ENERGY COOP	Month YTD	13,500 147,300	0.02375	3,501
SOUTH KENTUCKY RECC	Month	18,600 204,600	0.02375	4,862
EKPC Subtotals	Month	401,400 4,413,800	0.02375	9,535 104,842
	Totals Month YTD	401,400 4,413,800	0.02375	9,535 104,842

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Page 6 of 29

80,340,237 847,926,982

92,944,095 10,536,389

60.41

850,943 -42,833,237

1,444,197 14,333,054

189,574 1,569,726 91,374,369

50.80 46.51

18,439

50.06 64.06

49.88 59.68 63.75

274,406,831

1,155,468,810

12,514,064,318

2,358,014

12,239,657,487 24,695,841

38,344

450,446

YTD Month Ţ Month YTD

-923,954

68.11 58.48 52.23 69.53 67.76

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

1/4/12 14:48

2011

CO-OP Name/EKPC         Month         58.71           BIG SANDY RECC         YTD         625.01           BLUE GRASS ENERGY         Month         2.39.49           BLUE GRASS ENERGY         Month         2.873.40           CLARK ENERGY COOP         YTD         1.049.09           CUMBERLAND VALLEY ELECTRIC         Month         104.58           FARMERS RECC         Month         1.080.90           FLEMING MASON RECC         YTD         1.080.90           FLEMING MASON RECC         YTD         1.127.52           JACKSON RECC         YTD         1.264.66           JACKSON RECC         YTD         1.427.52           JACKSON RECC         YTD         1.427.52           JACKSON RECC         YTD         1.427.52           JACKSON RECC         YTD         1.427.52           NOLIN REC         YTD         1.725.00           OWEN EC         YTD         1.725.00           OWEN EC         YTD         1.725.00           SALT RIVER RECC         Month         7.10           SALT RIVER RECC         Month         7.10           SCOUTH KENTUCKY RECC         Month         1.96.33           YTD         1.275.72							
Month	KW	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Month 2.8 Month 7TD 2.8 Month 7TD 1.0 Month 7.10 Month 7.10 Month 7.10 Month 7TD 1.10 Month	58,713 26,441,534	4 62.97	19,566	63.71	254,523	73.33	1,938,994
Month YTD 2.8 Month YTD 1.0 Month YTD 1.1 Mo	S	7 67.27	-892,380	63.87	2,066,692	71.75	18,823,091
Month YTD 1.0  Month YTD 1.1  Month YTD 1.1  Month YTD 1.2  Month YTD 1.1	239,494 115,806,038	8 61.51	85,487	62.24	1,089,148	71.65	8,297,289
Month YTD 1.0 Month YTD 1.1	2,873,404 1,265,921,359	9 65.77	4,349,641	62.33	9,724,214	70.02	88,634,247
FCTRIC Month 1.0  Month YTD 1.0  Month YTD 1.0  Month YTD 2.2  Month YTD 1.1  Month YTD 2.4  Month YTD 2.4  Month YTD 2.4  Month YTD 3.1  Month YTD 3.1  Month YTD 3.1	90,801 42,761,894	4 62.81	31,642	63.55	410,601	73.15	3,128,009
Month TTD 1.1 Month YTD 1.1 Month YTD 1.2 Month YTD 1.2 Month YTD 1.1 Mo	1,049,095 443,475,970	0 67.64	-1,529,857	64.19	3,509,137	72.10	31,975,744
Month  WTD  Wonth  WTD  WTD  WTD  WTD  WTD  WTD  WTD  W	104,580 50,445,137	7 62.17	37,329	62.91	479,547	72.42	3,653,252
Month YTD Month	1,197,182 529,439,880		-1,823,852	63.17	4,117,279	70.94	37,560,205
Month  YTD  Month	86,277 45,863,212	2 60.60	33,940	61.34	425,081	70.61	3,238,326
Month  YTD  Month	1,080,900 509,041,736	6 65.10	-1,719,486	61.72	3,875,694	69.34	35,296,009
Month  Wanth	170,220 83,501,698	8 57.08	58,180	57.78	718,515	66.38	5,542,861
Month  YTD  Month	1,968,686 892,251,445	5 61.14	-3,054,011	57.71	6,296,991	64.77	57,791,560
Month YTD Month	54,190 25,977,715	5 62.30	19,222	63.04	247,447	72.57	1,885,075
Month  YTD  Month  YTD  Z,2  Month  YTD  YTD  YTD  YTD  YTD  YTD  Wonth  YTD  YTD  YTD  YTD  YTD  YTD  YTD  YT	623,104 269,049,303	3 67.05	-916,432	63.65	2,108,697	71.49	19,233,045
Month YTD Amonth YTD C.2 Month YTD Amonth	95,725 44,552,389	9 62.26	32,882	63.00	424,084	72.52	3,230,733
Month YTD Month YTD Month YTD T T Month YTD T T Month YTD T T T Month YTD T T T T T T T T T T T T T T T T T T	1,127,525 461,676,523	3 67.15	-1,584,989	63.72	3,622,385	71.56	33,038,442
Month  YTD  Month  YTD  Month  YTD  A  Month  YTD  YTD  YTD  YTD  YTD  YTD  YTD  YT	199,090 92,800,094	4 62.40	68,674	63.14	885,400	72.68	6,745,105
Month YTD Month YTD 1,1 Month YTD 2,4 Month YTD 3,7 Month YTD 3,7 Month YTD 3,7 Month	2,264,666 956,417,986	6 66.98	-3,322,335	63.50	7,468,345	71.31	68,202,657
Month YTD 1,1 Month YTD 4,5 Month YTD 2,4 YTD 3,7 Month YTD 3,7 YTD 3,7 YTD 3,7 YTD 7,7 YTD 7,7 YTD 7,7 YTD 7,7 YTD 7,7 YTD 7,7	56,630 26,916,133	3 62.37	19,917	63.11	256,676	72.65	1,955,391
Month YTD 1,7 Month 8 Wonth YTD 2,4 Month YTD 8,7 Month YTD 8,7 Month YTD 1,2	640,759 274,134,339	9 67.10	-937,872	63.68	2,151,269	71.53	19,607,679
Month  Month  YTD  Wonth  YTD  YTD  YTD  YTD  YTD  YTD  YTD  YT	142,730 69,546,684	4 60.69	51,466	61.43	645,520	70.71	4,917,674
Month YTD 4,5 Month YTD 2,4 Month YTD 8,4 YTD 8,7 YTD 9,7 YTD	1,735,001 770,750,826	6 64.78	-2,606,289	61.40	5,834,094	68.97	53,156,526
Month  YTD  Wonth  YTD  A  Month  YTD  Wonth  YTD  A  YTD  YTD  YTD  YTD  YTD  YTD	366,260 194,673,099	9 52.78	143,991	53.52	1,574,348	61.61	11,993,612
Month YTD 2,4 Month YTD 6 Month YTD 8,1	4,541,993 2,210,298,268	8 56.61	-7,686,776	53.13	14,426,587	59.66	131,860,688
Month YTD 8 Month YTD 8 Month YTD 3,7	196,930 100,545,669	9 61.00	74,406	61.74	938,033	71.07	7,146,064
Month YTD 8 Month 7, Month 7TD 7, 1,2	2,470,098 1,124,480,062	2 65.41	-3,732,931	62.09	8,647,942	82.69	78,466,462
YTD Month YTD 3, Month YTD 1,	79,535 41,501,197	7 59.82	30,633	60.56	379,745	69.71	2,892,951
Month YTD Month YTD	972,970 466,775,055	5 63.63	-1,595,332	60.21	3,461,035	67.63	31,567,075
YTD Month YTD	272,601 123,568,147	7 62.62	91,397	63.36	1,183,019	72.93	9,012,401
Month YTD	3,128,500 1,312,895,818	8 66.81	4,514,376	63.37	10,244,393	71.18	93,446,217
	105,894 45,872,329	9 62.12	33,772	62.85	435,128	72.34	3,318,303
	1,275,730 490,705,650	0 66.76	-1,642,724	63.41	3,819,615	71.19	34,934,281
CO-OP Subtotals Month 2,319,67	2,319,670 1,130,772,969	9 59.89	832,504	60.62	10,346,815	69.77	78,896,040
YTD 27,574,62	27,574,623 12,239,657,487	7 64.06	-41,909,283	60.64	91,374,369	68.11	833,593,928

Prepared by Laura Wilson

Totals

Inland Steam

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

1/4/12 14:48

2011

										1107
								_	December	
CO-OP Name/EKPC			KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside	M	Month	369	210,349	58.82	156	59.56	1,893	68.56	14,421
		YTD	4,040	2,241,141	61.61	-7,144	58.42	16,186	65.64	147,109
East Ky Office	Ž	Month	1,113	645,645	58.58	477	59.31	5,787	68.28	44,083
		ΔŢ	12,018	7,308,775	99.09	-26,216	57.07	50,902	64.03	468,002
Smith Contruction	ğ	Month	144	64,736	62.58	48	63.32	619	72.88	4,718
	,	YTD	1,198	595,968	63.95	-2,335	60.03	4,296	67.24	40,071
EKPC Subtotals	M	Month	1,626	920,730	58.91	681	59.65	8,299	68.67	63,222
		TT.	17,256	10,145,884	61.06	-35,695	57.54	71,384	64.58	655,182
	Totals Month	onth	2,359,640	1,156,389,540	59.67	851,624	60.41	10,544,688	69.53	80,403,459
		YTD	28,042,325	12,524,210,202	63.75	-42,868,932	60.33	93,015,479	67.76	848,582,164

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CPRN331		EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting Green Power Billing Summary	COOPERATIVE INC. Accounting	1/4/12 14:13
				December 2011
CO-OP Name/EKPC		КМН	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800 51,400	0.02375	138 1,222
BLUE GRASS ENERGY	Month YTD	22,700 279,700	0.02375	539 6,643
CLARK ENERGY COOP	Month YTD	2,700 33,100	0.02375	64 789
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,400 28,500	0.02375	57 677
FARMERS RECC	Month YTD	2,900 32,400	0.02375	69
FLEMING MASON RECC	Month YTD	3,100 34,100	0.02375	74 813
GRAYSON RECC	Month YTD	7,700 92,400	0.02375	183 2,196
INTER-COUNTY ECC	Month YTD	5,800 70,200	0.02375	138 1,668
JACKSON ENERGY COOP	Month YTD	16,000 196,500	0.02375	380 4,666
LICKING VALLEY RECC	Month	3,400 41,000	0.02375	81 976
NOLIN RECC	Month YTD	31,100 374,200	0.02375	739 8,886
OWEN EC	Month	216,700 2,605,800	0.02375	5,147 61,889 69
Prepared by Laura Wilson				Page 1 of 2

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

CPRN331

				December 2011
CO-OP Name/EKPC		КМН	KWH Charge	Revenue
SALT RIVER RECC	Month	48,900	0.02375	1,161
	YTD	591,800		14,056
SHELBY ENERGY COOP	Month	12,900	0.02375	306
	YTD	160,200		3,807
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	223,200		5,304
EKPC Subtotals	Month	400,700	0.02375	9,518
	YTD	4,814,500		114,360
	Totals Month	400,700	0.02375	9,518
	YTD	4,814,500		114,360

2012

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

							•	January		
CO-OP Name/EKPC	Transport (All Transp	KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue	
BIG SANDY RECC	Month	53,493	27,996,293	60.99	19,316	61.68	245,368	70.44	1,972,089	
	YTD	53,493	27,996,293	60.09	19,316	61.68	245,368	70.44	1,972,089	
BLUE GRASS ENERGY	Month	278,360	127,412,251	62.19	87,915	62.88	1,138,391	71.81	9,149,582	
	YTD	278,360	127,412,251	62.19	87,915	62.88	1,138,391	71.81	9,149,582	
CLARK ENERGY COOP	Month	102,732	46,420,674	63.18	32,030	63.87	421,329	72.95	3,386,334	
	YTD	102,732	46,420,674	63.18	32,030	63.87	421,329	72.95	3,386,334	
CUMBERLAND VALLEY ELECTRIC	Month	105,389	53,579,966	61.43	36,969	62.12	472,954	70.95	3,801,272	
	YTD	105,389	53,579,966	61.43	36,969	62.12	472,954	70.95	3,801,272	
FARMERS RECC	Month	93,460	49,538,362	60.49	34,181	61.18	430,691	69.88	3,461,595	
	YTD	93,460	49,538,362	60.49	34,181	61.18	430,691	69.88	3,461,595	
FLEMING MASON RECC	Month	181,663	83,509,695	58.39	57,164	59.08	700,651	67,47	5,634,032	
	YTD	181,663	83,509,695	58.39	57,164	59.08	700,651	67,47	5,634,032	
GRAYSON RECC	Month	54,266	27,569,890	61.49	19,024	62.18	243,615	71.02	1,958,002	
	YTD	54,266	27,569,890	61.49	19,024	62.18	243,615	71.02	1,958,002	
INTER-COUNTY ECC	Month	112,380	48,737,033	63.13	33,618	63.82	441,956	72.88	3,552,112	
	YTD	112,380	48,737,033	63.13	33,618	63.82	441,956	72.88	3,552,112	
JACKSON ENERGY COOP	Month	209,460	99,402,871	62.06	68,587	62.75	886,397	71.67	7,124,234	
	YTD	209,460	99,402,871	62.06	68,587	62.75	886,397	71.67	7,124,234	
LICKING VALLEY RECC	Month	53,763	28,575,177	60.91	19,717	61.60	250,111	70.35	2,010,219	
	YTD	53,763	28,575,177	60.91	19,717	61.60	250,111	70.35	2,010,219	
NOLIN RECC	Month	164,445	76,846,842	61.02	53,023	61.71	673,839	70.48	5,415,844	
	YTD	164,445	76,846,842	61.02	53,023	61.71	673,839	70.48	5,415,844	
OWEN EC	Month	391,880	205,640,640	53.28	141,895	53.97	1,577,170	61.64	12,676,185	
	YTD	391,880	205,640,640	53.28	141,895	53.97	1,577,170	61.64	12,676,185	
SALT RIVER RECC	Month	217,311	107,550,180	61.26	74,211	61.95	946,733	70.75	7,609,185	
	YTD	217,311	107,550,180	61.26	74,211	61.95	946,733	70.75	7,609,185	
SHELBY ENERGY COOP	Month	91,152	45,430,685	60.23	31,283	60.92	393,258	69.57	3,160,752	
	YTD	91,152	45,430,685	60.23	31,283	60.92	393,258	69.57	3,160,752	
SOUTH KENTUCKY RECC	Month	296,718	133,409,418	62.61	92,048	63.30	1,200,047	72.30	9,645,116	
	YTD	296,718	133,409,418	62.61	92,048	63.30	1,200,047	72.30	9,645,116	
TAYLOR COUNTY RECC	Month	113,557	48,488,962	62.30	33,293	62.99	433,558	71.93	3,487,767	
	YTD	113,557	48,488,962	62.30	33,293	65.99	433,558	71.93	3,487,767	ı
CO-OP Subtotals	Month	2,520,029	1,210,108,939	60.12	834,274	60.81	10,456,068	69.45	84,044,320	
	YTD	2,520,029	1,210,108,939	60.12	834,274	60.81	10,456,068	69.45	84,044,320	
Inland Steam	Month	38,692	24,100,789	51.24	16,929	51.94	177,878	59.32	1,429,656	
	YTD	38,692	24,100,789	51.24	16,929	51.94	177,878	59.32	1,429,656	I
Totals	Month	2,558,721	1,234,209,728	59.95	851,203	60.64	10,633,946	69.25	85,473,976	ag
	YTD	2,558,721	1,234,209,728	59.95	851,203	60.64	10,633,946	69.25	85,473,976	e r
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# EAST KENTUCKY POWER COOPERATIVE INC. Wholesale Power Accounting CO-OP Totals Billing Summary - CP Tariff

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2012

									January	
CO-OP Name/EKPC			KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside		Month	520	270,990	60.14	187	60.83	2,342	69.47	18,825
		ΔŢ	520	270,990	60.14	187	60.83	2,342	69.47	18,825
East Ky Office		Month	1,256	699,510	59.15	483	59.84	5,947	68.34	47,804
		YTD	1,256	699,510	59.15	483	59.84	5,947		47,804
Smith Contruction		Month	164	77,853	61.62	54	62.31	689	71.16	5,540
		YTD	164	77,853	61.62	54	62.31	689	71.16	5,540
EKPC Subtotals		Month	1,940	1,048,353	59.59	724	60.28	8,978	68.84	72,169
		YTD	1,940	1,048,353	59.59	724	60.28	8,978	68.84	72,169
	Totals	Month	2,560,661	1,235,258,081	59.95	851,927	60.64	10,642,924	69.25	85,546,145
		ΔŢ	2,560,661	1,235,258,081	59.95	851,927	60.64	10,642,924	69.25	85,546,145

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

				January 2012
CO-OP Name/EKPC		КМН	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
BLUE GRASS ENERGY	Month	22,700 22,700 22,700	0.02375	539
CLARK ENERGY COOP	Month	2,700	0.02375	64
CUMBERLAND VALLEY ELECTRIC	Month	2,400	0.02375	57 57
FARMERS RECC	Month	2,900	0.02375	69
FLEMING MASON RECC	Month	3,100 3,100	0.02375	74
GRAYSON RECC	Month	27,700	0.02375	183
INTER-COUNTY ECC	Month	5,800	0.02375	138
JACKSON ENERGY COOP	Month	16,000	0.02375	380
LICKING VALLEY RECC	Month	3,400	0.02375	£ 8 8 8
NOLIN RECC	Month	30.900 30.900	0.02375	734 734 734
OWEN EC	Month	216,300 216,300	0.02375	5,137 5,137
SALT RIVER RECC	Month	48,900 48,900	0.02375	1,161
SHELBY ENERGY COOP	Month	12,900	0.02375	306
SOUTH KENTUCKY RECC	Month YTD	18,600 18,600	0.02375	442 442
EKPC Subtotals	Month YTD	400,100 400,100	0.02375	9,503 9,503
	Totals Month YTD	400,100 400,100	0.02375	9,503 9,503

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

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								February	2012	
CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue	
BIG SANDY RECC	Month	61,765	24,554,668	64.77	-13,995	64.20	190,574	71.96	1,766,872	
	YTD	115,258	52,550,961	62.75	5,321	62.85	435,942	71.15	3,738,961	
BLUE GRASS ENERGY	Month	257,890	110,835,958	63.08	-63,175	62.51	837,574	70.06	7,765,407	
	YTD	536,250	238,248,209	62.60	24,740	62.70	1,975,965	71.00	16,914,989	
CLARK ENERGY COOP	Month	97,526	40,197,923	64.68	-22,913	64.11	311,563	71.86	2,888,592	
	στγ	200,258	86,618,597	63.88	9,117	63.98	732,892	72.44	6,274,926	
CUMBERLAND VALLEY ELECTRIC	Month	118,108	47,124,370	64.85	-26,859	64.28	366,213	72.05	3,395,261	
	YTD	223,497	100,704,336	63.03	10,110	63.13	839,167	71.46	7,196,533	
FARMERS RECC	Month	98,872	43,214,240	63.00	-24,634	62.43	326,179	69.98	3,024,104	
	YTD	192,332	92,752,602	61.66	9,547	61.76	756,870	69.92	6,485,699	
FLEMING MASON RECC	Month	173,833	74,287,646	59.43	-42,322	58.86	528,430	65.97	4,900,832	
	ΔTY	355,496	157,797,341	58.88	14,842	58.97	1,229,081	92.99	10,534,864	
GRAYSON RECC	Month	56,717	23,993,230	64.06	-13,669	63.49	184,170	71.17	1,707,519	
	YTD	110,983	51,563,120	62.69	5,355	62.79	427,785	71.09	3,665,521	
INTER-COUNTY ECC	Month	107,124	41,915,781	64.73	-23,869	64.16	325,125	71.91	3,014,332	
	YTD	219,504	90,652,814	63.87	9,749	63.97	767,081	72.44	6,566,444	
JACKSON ENERGY COOP	Month	221,387	86,371,619	64.95	-49,230	64.38	672,305	72.17	6,233,158	
	YTD	430,847	185,774,490	63.41	19,357	63.51	1,558,702	71.90	13,357,392	
LICKING VALLEY RECC	Month	59,372	24,851,002	64.13	-14,165	63.56	190,952	71.24	1,770,389	
	YTD	113,135	53,426,179	62.40	5,552	62.51	441,063	70.76	3,780,608	
NOLIN RECC	Month	159,795	66,804,416	62.56	-38,078	61.99	500,689	69.49	4,642,030	
	YTD	324,240	143,651,258	61.74	14,945	61.84	1,174,528	70.02	10,057,874	
OWEN EC	Month	375,290	185,358,972	53.58	-105,611	53.01	1,187,933	59.42	11,013,657	
	YTD	767,170	390,999,612	53.42	36,284	53.52	2,765,103	60.59	23,689,842	
SALT RIVER RECC	Month	206,654	93,911,939	62.47	-53,531	61.90	702,764	69.38	6,515,544	
	ΔTY	423,965	201,462,119	61.82	20,680	61.92	1,649,497	70.11	14,124,729	
SHELBY ENERGY COOP	Month	84,008	40,315,372	60.72	-22,902	60.15	293,173	67.42	2,718,086	
	YTD	175,160	85,746,057	60.46	8,381	60.56	686,431	68.56	5,878,838	
SOUTH KENTUCKY RECC	Month	309,384	115,405,843	65.51	-65,784	64.94	906,106	72.79	8,400,785	
	YTD	606,102	248,815,261	63.96	26,264	64.06	2,106,153	72.53	18,045,901	
TAYLOR COUNTY RECC	Month	117,421	41,535,712	65.21	-23,544	64.64	324,233	72.45	3,009,250	
	YTD	230,978	90,024,674	63.64	9,749	63.75	757,791	72.17	6,497,017	
CO-OP Subtotals	Month	2,505,146	1,060,678,691	61.77	-604,281	61.20	7,847,983	68.60	72,765,818	
	YTD	5,025,175	2,270,787,630	60.89	229,993	60.99	18,304,051	90.69	156,810,138	
Inland Steam	Month	38,744	22,461,658	52.12	-13,059	51.54	139,953	57.77	1,297,546	
	YTD	77,436	46,562,447	51.66	3,870	51.74	317,831	58.57	2,727,202	
Totals	Month	2,543,890	1,083,140,349	61.57	-617,340	61.00	7,987,936	68.38	74,063,364	~·B
	YTD	5,102,611	2,317,350,077	60.71	233,863	60.81	18,621,882	68.84	159,537,340	

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

2012

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								_	February	
CO-OP Name/EKPC			KW	КWН	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside		Month	472	299,105	57.40	-170	56.83	2,055	63.70	19,054
		ΔŢ	992	570,095	58.70	17	58.73	4,397	66.44	37,879
East Ky Office		Month	1,212	628,571	60.21	-358	59.64	4,532	66.85	42,019
		YTD	2,468	1,328,081	59.65	125	59.74	10,479	67.63	89,823
Smith Contruction		Month	153	220'69	62.47	-39	61.90	517	69.39	4,793
		YTD	317	146,930	62.02	15	62.12	1,206	70.33	10,333
EKPC Subtotals		Month	1,837	996,753	59.52	-567	58.95	7,104	80.99	65,866
		YTD	3,777	2,045,106	59.55	157	59.63	16,082	67.50	138,035
	Totals	Month	2,545,727	1,084,137,102	61.57	-617,907	61.00	7,995,040	68.38	74,129,230
		YTD	5,106,388	2,319,395,183	60.71	234,020	60.81	18,637,964	68.84	159,675,375

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

				February 2012
CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
BLUE GRASS ENERGY	Month	22,500 45,200	0.02375	534
CLARK ENERGY COOP	Month	2,700	0.02375	64 128
CUMBERLAND VALLEY ELECTRIC	2	2,400 4,800	0.02375	57 114
FARMERS RECC	Month YTD	2,900 5,800	0.02375	69
FLEMING MASON RECC	Month YTD	3,100 6,200	0.02375	74
GRAYSON RECC	Month	7,700	0.02375	183 366
INTER-COUNTY ECC	Month	5,800 11,600	0.02375	138 276
JACKSON ENERGY COOP	Month	16,000 32,000	0.02375	380
LICKING VALLEY RECC	Month	3,400	0.02375	81
NOLIN RECC	Month YTD	30,600 61,500	0.02375	727 1,461
OWEN EC	Month YTD	215,500 431,800	0.02375	5,118 10,255
SALT RIVER RECC	Month	48,900 97,800	0.02375	1,161 2,322
SHELBY ENERGY COOP	Month YTD	13,100 26,000	0.02375	311 617
SOUTH KENTUCKY RECC	Month YTD	18,600 37,200	0.02375	442 884
EKPC Subtotals	Month YTD	399,000 799,100	0.02375	9,477 18,980
	Totals Month YTD	399,000 799,100	0.02375	9,477 18,980

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

2012

								March	
CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	48,389	18,479,993	65.62	-29,937	64.00	127,471	70.90	1,310,172
	YTD	163,647	71,030,954	63.50	-24,616	63.15	563,413	71.08	5,049,133
BLUE GRASS ENERGY	Month	225,318	90,005,441	64.26	-145,683	62.64	607,746	69.39	6,245,468
	YTD	761,568	328,253,650	63.05	-120,943	65.69	2,583,711	70.56	23,160,457
CLARK ENERGY COOP	Month	82,371	30,616,329	98.99	-49,598	65.24	215,308	72.27	2,212,598
	AT.	282,629	117,234,926	64.65	-40,481	64.31	948,200	72.40	8,487,524
CUMBERLAND VALLEY ELECTRIC	Month	69,057	37,409,054	66.11	-60,603	64.49	260,072	71.44	2,672,616
	YTD	322,554	138,113,390	63.86	-50,493	63.50	1,099,239	71.46	9,869,149
FARMERS RECC	Month	77,085	36,339,647	62.15	-58,872	60.53	237,126	90'.29	2,436,812
	ΔTY	269,417	129,092,249	61.80	-49,325	61.42	966'866	69.12	8,922,511
FLEMING MASON RECC	Month	163,238	67,898,804	59.31	-109,976	57.69	422,269	63.91	4,339,607
	TT	518,734	225,696,145	59.01	-95,134	58.59	1,651,350	65.90	14,874,471
GRAYSON RECC	Month	48,681	19,081,833	65.62	-30,913	64.00	131,654	70.90	1,352,934
	TT	159,664	70,644,953	63.48	-25,558	63.12	559,439	71.04	5,018,455
INTER-COUNTY ECC	Month	86,692	31,263,784	66.46	-50,603	64.84	218,534	71.83	2,245,736
	ΔŤ	306,196	121,916,598	64.53	-40,854	64.20	985,615	72.28	8,812,180
JACKSON ENERGY COOP	Month	180,171	65,788,684	66.37	-106,578	64.75	459,197	71.73	4,718,911
	TT	611,018	251,563,174	64.18	-87,221	63.83	2,017,899	71.86	18,076,303
LICKING VALLEY RECC	Month	46,640	18,711,504	65.24	-30,312	63.62	128,325	70.48	1,318,715
	QTY.	159,775	72,137,683	63.14	-24,760	62.80	569,388	70.69	5,099,323
NOLIN RECC	Month	129,745	56,327,229	61.89	-91,251	60.27	365,939	92.99	3,760,536
	YTD	453,985	199,978,487	61.78	-76,306	61.40	1,540,467	69.10	13,818,410
OWEN EC	Month	354,307	179,288,197	52.82	-290,408	51.20	989,642	56.72	10,169,987
	YTD	1,121,477	570,287,809	53.23	-254,124	52.79	3,754,745	59.37	33,859,829
SALT RIVER RECC	Month	178,388	80,118,968	62.75	-129,792	61.13	527,962	67.72	5,425,573
	YTD	602,353	281,581,087	62.08	-109,112	61.70	2,177,459	69.43	19,550,302
SHELBY ENERGY COOP	Month	82,776	35,197,379	62.39	-56,848	60.77	230,743	67.33	2,369,738
	YTD	257,936	120,943,436	61.02	-48,467	60.62	917,174	68.20	8,248,576
SOUTH KENTUCKY RECC	Month	248,060	90,319,852	66.21	-146,238	64.59	628,844	71.55	6,462,266
	YTD	854,162	339,135,113	64.56	-119,974	64.20	2,734,997	72.27	24,508,167
TAYLOR COUNTY RECC	Month	97,135	33,523,144	65.57	-53,938	63.96	230,829	70.85	2,375,110
	YTD	328,113	123,547,818	64.17	-44,189	63.81	988,620	71.81	8,872,127
CO-OP Subtotals	Month	2,148,053	890,369,842	61.84	-1,441,550	60.22	5,781,661	66.71	59,416,779
	YTD	7,173,228	3,161,157,472	61.17	-1,211,557	60.78	24,085,712	68.40	216,226,917
Inland Steam	Month	35,285	21,589,455	51.01	-35,465	49.37	114,904	54.69	1,180,808
	YTD	112,721	68,151,902	51.46	-31,595	50.99	432,735	57.34	3,908,010
Totals	Month	2,183,338	911,959,297	61.58	-1,477,015	59.96	5,896,565	66.43	60,597,587
	YTD	7,285,949	3,229,309,374	96.09	-1,243,152	60.58	24,518,447	68.17	220,134,927

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

CPRN330

									2012
								March	
CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside	Month	517	209,239	64.53	-339	62.91	1,419	69.70	14,583
	YTD	1,509	779,334	60.27	-322	59.85	5,816	67.32	52,462
East Ky Office	Month	1,043	578,393	59.21	-937	57.59	3,590	63.80	36,899
	YTD	3,511	1,906,474	59.52	-812	59.09	14,069	66.47	126,722
Smith Contruction	Month	130	57,191	62.95	-93	61.32	378	67.93	3,885
	YTD	447	204,121	62.28	-78	61.89	1,584	69.65	14,218
EKPC Subtotals	Month	1,690	844,823	60.78	-1,369	59.16	5,387	65.54	55,367
	QTY	5,467	2,889,929	59.91	-1,212	59.49	21,469	66.92	193,402
<b> </b>	Totals Month	2,185,028	912,804,120	61.58	-1,478,384	59.96	5,901,952	66.43	60,652,954

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Page 2 of 2

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

				March 2012
CO-OP Name/EKPC		KWH	KWH Charge	Revenue
BIG SANDY RECC	Month YTD	5,800 17,400	0.02375	138 414
BLUE GRASS ENERGY	Month	22,500 67,700	0.02375	534 1,607
CLARK ENERGY COOP	Month YTD	2,700 8,100	0.02375	64 192
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,400 7,200	0.02375	57 171
FARMERS RECC	Month YTD	2,900 8,700	0.02375	69 207
FLEMING MASON RECC	Month YTD	3,100 9,300	0.02375	74 222
GRAYSON RECC	Month YTD	7,700 23,100	0.02375	183 549
INTER-COUNTY ECC	Month YTD	5,800 17,400	0.02375	138 414
JACKSON ENERGY COOP	Month YTD	16,000 48,000	0.02375	380 1,140
LICKING VALLEY RECC	Month	3,400 10,200	0.02375	81 243
NOLIN RECC	Month YTD	30,500 92,000	0.02375	724 2,185
OWEN EC	Month YTD	214,200 646,000	0.02375	5,087 15,342
SALT RIVER RECC	Month YTD	48,800 146,600	0.02375	1,159 3,481
SHELBY ENERGY COOP	Month YTD	13,100 39,100	0.02375	311 928

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

CPRN331

				March 2012
CO-OP Name/EKPC		КМН	KWH Charge	Revenue
SOUTH KENTUCKY RECC	Month	18,600	0.02375	442
	YTD	55,800		1,326
EKPC Subtotals	Month	397,500	0.02375	9,441
	YTD	1,196,600		28,421
Ľ	Totals Month	397,500	0.02375	9,441
	YTD	1,196,600		28,421

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

							,	April	
CO-OP Name/EKPC		KW	KWH	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
BIG SANDY RECC	Month	40,254	16,829,557	64.51	-68,496	60.44	131,429	68.25	1,148,682
	YTD	203,901	87,860,511	63.69	-93,112	62.63	694,842	70.54	6,197,815
BLUE GRASS ENERGY	Month	171,740	81,610,959	61.91	-331,523	57.85	609,992	65.33	5,331,268
	YTD	933,308	409,864,609	62.83	-452,466	61.72	3,193,703	69.51	28,491,725
CLARK ENERGY COOP	Month	65,393	28,198,370	64.80	-114,767	60.73	221,265	68.58	1,933,858
	YTD	348,022	145,433,296	64.68	-155,248	63.62	1,169,465	71.66	10,421,382
CUMBERLAND VALLEY ELECTRIC	Month	83,797	34,263,803	65.03	-139,455	96.09	269,854	68.83	2,358,508
	YTD	406,351	172,377,193	64.09	-189,948	65.99	1,369,093	70.94	12,227,657
FARMERS RECC	Month	67,358	33,764,620	61.51	-137,422	57.44	250,585	64.86	2,190,078
	YTD	336,775	162,856,869	61.74	-186,747	60.59	1,244,581	68.24	11,112,589
FLEMING MASON RECC	Month	144,596	62,831,076	58.66	-255,673	54.59	443,092	61.64	3,872,793
	YTD	663,330	288,527,221	58.93	-350,807	57.72	2,094,442	64.98	18,747,264
GRAYSON RECC	Month	39,286	17,301,235	64.21	-70,413	60.14	134,443	67.92	1,175,019
	YTD	198,950	87,946,188	63.62	-95,971	62.53	693,882	70.42	6,193,474
INTER-COUNTY ECC	Month	66,283	28,400,481	63.93	-115,262	59.87	219,698	67.61	1,920,162
	YTD	372,479	150,317,079	64.42	-156,116	63.38	1,205,313	71.40	10,732,342
JACKSON ENERGY COOP	Month	143,034	60,488,165	64.29	-246,186	60.22	470,639	68.00	4,113,366
	YTD	754,052	312,051,339	64.20	-333,407	63.13	2,488,538	71.11	22,189,669
LICKING VALLEY RECC	Month	41,854	17,920,678	64.36	-72,939	60.29	139,597	68.08	1,220,079
	YTD	201,629	90,058,361	63.38	-97,699	62.30	708,985	70.17	6,319,402
NOLIN RECC	Month	100,523	52,034,475	59.63	-211,780	55.56	373,546	62.74	3,264,777
	YTD	554,508	252,012,962	61.34	-288,086	60.19	1,914,013	67.79	17,083,187
OWEN EC	Month	315,153	165,340,182	51.67	-672,347	47.60	1,016,843	53.75	8,887,157
	YTD	1,436,630	735,627,991	52.88	-926,471	51.62	4,771,588	58.11	42,746,986
SALT RIVER RECC	Month	136,981	72,582,950	60.87	-295,411	56.80	532,683	64.14	4,655,617
	YTD	739,334	354,164,037	61.84	-404,523	69.09	2,710,142	68.35	24,205,919
SHELBY ENERGY COOP	Month	64,635	32,025,191	60.39	-129,764	56.34	233,123	63.62	2,037,486
	YTD	322,571	152,968,627	60.89	-178,231	59.72	1,150,297	67.24	10,286,062
SOUTH KENTUCKY RECC	Month	202,908	83,430,900	64.47	-339,568	60.40	651,068	68.20	5,690,304
	YTD	1,057,070	422,566,013	64.54	-459,542	63.45	3,386,065	71.46	30,198,471
TAYLOR COUNTY RECC	Month	83,411	30,764,837	64.45	-124,349	60.41	239,746	68.20	2,098,159
	YTD	411,524	154,312,655	64.22	-168,538	63.13	1,228,366	71.09	10,970,286
CO-OP Subtotals	Month	1,767,206	817,787,479	60.27	-3,325,355	56.20	5,937,603	63.46	51,897,313
	YTD	8,940,434	3,978,944,951	86.09	-4,536,912	59.84	30,023,315	62.39	268,124,230
Inland Steam	Month	35,738	19,770,132	51.33	-81,108	47.22	120,625	53.33	1,054,258
	YTD	148,459	87,922,034	51.43	-112,703	50.15	553,360	56.44	4,962,268
Totals	Month	1,802,944	837,557,611	90'09	-3,406,463	55.99	6,058,228	63.22	52,951,571
	Ę	9,088,893	4,066,866,985	60.77	4,649,615	59.63	30,576,675	67.15	273,086,498

Prepared by Laura Wilson

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

5/2/12 13:10

										2012
								7	April	
CO-OP Name/EKPC		Ŧ.	KW	КМН	Base Mills/KWH	Fuel Charge	Fuel Mills/KWH	Surcharge	Surcharge Mills/KWH	Revenue
Burnside	Mo	Month	330	109,763	68.81	-447	64.74	918	73.10	8,024
	>	70	1,839	889,097	61.32	-769	60.46	6,734	68.03	60,486
East Ky Office	Mo	Month	917	517,390	58.96	-2,106	54.89	3,668	61.98	32,069
	>		4,428	2,423,864	59.40	-2,918	58.19	17,737	65.51	158,791
Smith Contruction	Mo	Month	104	55,683	59.71	-227	55.64	400	62.82	3,498
	Y	УТБ	551	259,804	61.73	-305	60.55	1,984	68.19	17,716
EKPC Subtotals	Month	ıth	1,351	682,836	60.61	-2,780	56.54	4,986	63.84	43,591
	>	TTD OTF	6,818	3,572,765	60.05	-3,992	58.93	26,455	66.33	236,993
	Totals Month		1,804,295	838,240,447	60.06	-3,409,243	55.99	6,063,214	63.22	52,995,162
	>	YTD 9,09	9,095,711 4	4,070,439,750	60.77	-4,653,607	59.63	30,603,130	67.15	273,323,491

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

				April 2012
CO-OP Name/EKPC		КWН	KWH Charge	Revenue
BIG SANDY RECC	Month	5,800	0.02375	138
BLUE GRASS ENERGY	Month YTD	22,500 90,200	0.02375	534 2,141
CLARK ENERGY COOP	Month YTD	2,700 10,800	0.02375	64 256
CUMBERLAND VALLEY ELECTRIC	Month YTD	2,400 9,600	0.02375	57 228
FARMERS RECC	Month YTD	2,900 11,600	0.02375	69 276
FLEMING MASON RECC	Month YTD	3,100 12,400	0.02375	74 296
GRAYSON RECC	Month YTD	7,700	0.02375	183 732
INTER-COUNTY ECC	Month YTD	5,800 23,200	0.02375	138 552
JACKSON ENERGY COOP	Month YTD	16,000 64,000	0.02375	380 1,520
LICKING VALLEY RECC	Month YTD	3,400 13,600	0.02375	81 324
NOLIN RECC	Month YTD	30,500 122,500	0.02375	724 2,909
OWEN EC	Month YTD	213,900 859,900	0.02375	5,080 20,422
SALT RIVER RECC	Month YTD	48,700 195,300	0.02375	1,157 4,638
SHELBY ENERGY COOP	Month YTD	13,100 52,200	0.02375	311 1,239

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

					April 2012
CO-OP Name/EKPC			КМН	KWH Charge	Revenue
SOUTH KENTUCKY RECC		Month	18,600	0.02375	442
		ΥTD	74,400		1,768
EKPC Subtotals		Month	397,100	0.02375	9,432
		YTD	1,593,700		37,853
	Totals	Month	397,100	0.02375	9,432
		YTD	1,593,700		37,853

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Company Sales

LG&E Miso PJM

TOTAL

	-		( <del>\$</del> ) s	1,300 18,722 403,718	423,740
	NOVEMBER 2011		Total Charges (\$)	4	41
	Month Ended		Margin(+) or Loss (-)	853 (4.131) 28,142	24,864
EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE	M	Billing Components	Fuel Charges (\$)	447 22,853 375,576	398,876
EAST KENTUCKY I POWER TRANS		ш	Demand (\$)		01
Company			KWH	13,000 785,000 12,299,000	13,097,000
			Type of Transaction	Non-Displacement Non-Displacement Non-Displacement	

	DECEMBER 2011	Total Charges (\$)	456,028	456,028
ú	Month Ended	Margin(+) or Loss (-)	(13,191)	(13,191)
EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE	Billing Components	Fuel Charges (\$)	469,219	469,219
EAST KENTUCKY POWER TRANS	ш	Demand (\$)		01
Company		KWH	15,517,000	15,517,000
		Type of Transaction	Non-Displacement	
		Company Sales	MLA	TOTAL

Billing Com	KWH Demand (\$) Fuel C	40,802,000	40,802,000
	Type of Transaction	Non-Displacement	
	Billing Components	KWH Demand (\$)	Billir

		7	329 329	029
	FEBRUARY 2012	Total Charges (\$)	15,700 820,329	836,029
	Month Ended F	<u>Margin(+) or</u> Loss (-)	(4.017) (114.752)	(118.769)
EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE	N Billing Components	Fuel Charges (\$)	19,717 935,081	954,798
EAST KENTUCKY POWER TRANS	_	Demand (\$)		Ol
Company		KWH	800,000 31,697,000	32,497,000
		Type of Transaction	Non-Displacement Non-Displacement	
		<u>Company</u> <u>Sales</u>	LG&E PJM	TOTAL

	MARCH 2012	Total Charges (\$)	20,800 16,875 737,616	775,291
	Month Ended MAR	Margin(+) or Loss (-)	616 (726) 11,469	11,359
EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE	M Billing Components	Fuel Charges (\$)	20,184 17,601 726,147	763,932
EAST KENTUCKY P POWER TRANSA	ä	Demand (\$)		0
Company		KWH	800,000 675,000 26,013,000	27,488,000
		Type of Transaction	Non-Displacement Non-Displacement Non-Displacement	
1		<u>Company</u> <u>Sales</u>	AEP LG&E PJM	TOTAL

Company		Type of Transaction KWH	Non-Displacement 400,000 3,142,000	3.542,000
Company			в	3.542.00
EAST KENTUCKY POWER COOPERATI POWER TRANSACTION SCHEDULE	Billir	Demand (\$)	000	0 000
EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE	Moi Billing Components	Fuel Charges (\$)	13,431 91,769	<u>105,200</u>
	Month Ended AF	Margin(+) or Loss (-)	569 (8,496)	(7.927)
	APRIL 2012	Total Charges (\$)	14,000	97.273

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### EAST KENTUCKY POWER COOPERATIVE, INC.

### PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

### COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 7

**RESPONSIBLE PARTY:** Craig A. Johnson

Request 7. List East Kentucky's scheduled, actual, and forced outages between November 1, 2011 and April 30, 2012.

**Response 7.** See attached pages 2 through 38 of this response.

### Appendix B

From: Nov. 01, 2011

thru April 30, 2012



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### **Dale Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Ao Hours	tual Minutes	Cause or Reason
12/12/2011	2207	0.0		Maintenance	66	53	Regenerator tube leak.

### Appendix B

From: Nov. 01, 2011 thru April 30, 2012



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### **Dale Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status		tual Minutes	Cause or Reason
11/01/2011 02/16/2012	0000 1206	0.0		Maintenance Maintenance	4 28	9 54	Regenerator tube leak, soot blower erosion. Regeneration tube leak.

### Appendix B

From: Nov. 01, 2011

thru April 30, 2012

East Kentucky Power

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### **Dale Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status		tual Minutes	Cause or Reason
12/14/2011 04/23/2012	1554 0700	0.0		Maintenance Maintenance	18 185	21 0	Lightening arrestor change out on GSU. Install switched integrated rectifiers in ESP.

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thru April 30, 2012



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### **Cooper Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	Ao Hours	ctual Minutes	Cause or Reason
11/02/2011	2223	0.0	Forced	Maintenance	54	55	Failure to transfer to backup power supply.
11/09/2011	1945	0.0	Forced	Maintenance	58	5	Tube leak.
11/14/2011	0429	0.0	Forced	Maintenance	28	7	Primary air fan failure.
12/05/2011	0859	0.0	Forced	Maintenance	36	29	Tube leak.
02/13/2012	1007	0.0	Forced	Maintenance	36	11	Tube leak.
04/15/2012	2207	0.0	Scheduled	Maintenance	130	46	Spring outage for unit 2 and tie in of unit 2 stack.

### Appendix B

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thru April 30, 2012

East Kentucky Power

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### **Cooper Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status		ctual Minutes	Cause or Reason
11/01/2011	0000	0.0	Forced	Maintenance	101	53	Tube leak.
11/06/2011	0643	0.0	Forced	Maintenance	96	17	Tube leak.
11/10/2011	0700	0.0	Scheduled	Maintenance	0	1	Tube leak.
11/10/2011	0701	0.0	Scheduled	Maintenance	68	14	Tube leak.
11/30/2011	0940	0.0	Forced	Maintenance	14	20	Tube leak.
12/01/2011	0000	0.0	Forced	Maintenance	25	17	Tube leak.
01/25/2012	1602	0.0	Scheduled	Maintenance	151	58	Ten year turbine outage and Cooper retrofit tie in.
02/01/2012	0000	0.0	Scheduled	Maintenance	696	0	Ten year turbine outage and Cooper retrofit tie in.
03/01/2012	0000	0.0	Scheduled	Maintenance	744	0	Ten year turbine outage and Cooper retrofit tie in.
04/01/2012	0000	0.0	Scheduled	Maintenance	720	0	Ten year turbine outage and Cooper retrofit tie in.

### Appendix B

From: Nov. 01, 2011

thru April 30, 2012

East Kentucky Power

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### **Spurlock Power Station**

Date	Time Off/On	Available MW	Forced or Scheduled	Status	· ·	tual Minutes	Cause or Reason
11/08/2011 12/01/2011	2241 1052	0.0		Maintenance Maintenance	110 45	48 48	Airheater wash. Tube leak.

### Appendix B

From: Nov. 01, 2011

thru April 30, 2012



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### **Spurlock Power Station**

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	0000	0.0	Scheduled	Maintenance	12	39	Fall outage.
11/01/2011	1239	0.0	Scheduled	Maintenance	45	3	Wet electrostatic precipitator repair.
11/03/2011	1206	0.0	Forced	Maintenance	1	17	Generator protection relay malfunction.
01/16/2012	1257	0.0	Scheduled	Maintenance	75	23	Investigate induced draft fan issues.
04/12/2012	1239	0.0	Scheduled	Maintenance	159	59	Wet electrostatic precipitator repair.

### Appendix B

From: Nov. 01, 2011

thru April 30, 2012



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### **Spurlock Power Station**

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	0000	0.0	Scheduled	Maintenance	140	11	Fluidized bed ash cooler leak repair.
11/19/2011	2332	0.0	Scheduled	Maintenance	45	28	Repair main steam safety.
11/30/2011	2138	0.0	Forced	Maintenance	2	22	Tube leak.
12/01/2011	0000	0.0	Forced	Maintenance	203	40	Tube leak.
12/09/2011	1140	0.0	Scheduled	Maintenance	97	20	Tube leak.
12/16/2011	1948	0.0	Forced	Maintenance	124	6	Problem with manual disconnect.
02/23/2012	1005	0.0	Forced	Maintenance	1	31	Loss of baghouse power supply.
04/06/2012	1900	0.0	Scheduled	Maintenance	581	0	Spring outage.

East Kentucky Power

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### Appendix B From: Nov. 01, 2011 thru April 30, 2012

### J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status		tual Minutes	Cause or Reason
04/19/2012	0948	0.0	Scheduled	Maintenance	148	17	Hot gas path inspection (A Inspection).

### Appendix B

From: Nov. 01, 2011 thru April 30, 2012



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### J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status		tual Minutes	Cause or Reason
02/01/2012	0700	0.0	Scheduled	Maintenance	33	20	NERC required generator startup transformer testing.
04/12/2012	0627	0.0	Scheduled	Maintenance	56	45	Hot gas path inspection (A Inspection).

### Appendix B

From: Nov. 01, 2011

thru April 30, 2012

East Kentucky Power

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### J.K. Smith

	Time	Available	Forced or		Ac	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
01/05/2012	0800	0.0	Scheduled	Maintenance	31	26	Cleaning of blower nozzle.
04/09/2012	0700	0.0	Scheduled	Maintenance	71	27	Hot gas path inspection (A Inspection).
04/12/2012	1542	0.0	Forced	Maintenance	19	23	Ignition system failure.
04/30/2012	1347	0.0	Forced	Maintenance	10	13	Ignition system failure.

# Appendix B

From: Nov. 01, 2011

thru April 30, 2012

East Kentucky Power

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# J.K. Smith

Data		Available MW	Forced or Scheduled	Ctataa		ctual	C P.
Date	Off/On	IVI W	Scheduled	Status	Hours	Minutes	Cause or Reason
11/22/2011	1300	0.0	Forced	Maintenance	59	23	Compressor extraction valve failure.
01/19/2012	1012	0.0	Forced	Maintenance	29	22	Generator vapor extractor motor.
02/28/2012	1014	0.0	Scheduled	Maintenance	37	46	NERC required generator startup transformer
03/01/2012	0000	0.0	Scheduled	Maintenance	159	15	testing.  NERC required generator startup transformer testing.

East Kentucky Power

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# Appendix B

From: Nov. 01, 2011

thru April 30, 2012

# J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status		tual Minutes	Cause or Reason
03/07/2012	1540	0.0	Scheduled	Maintenance	19	16	NERC required generator startup transformer testing.

# Appendix B

From: Nov. 01, 2011

thru April 30, 2012



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# J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status	}	ctual Minutes	Cause or Reason
04/23/2012	1843	0.0		Maintenance	1	33	Ignition system failure.

# Appendix B

From: Nov. 01, 2011

thru April 30, 2012

East Kentucky Power

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# J.K. Smith

Date	Time Off/On	Available MW	Forced or Scheduled	Status		tual Minutes	Cause or Reason
11/07/2011	0700	0.0	Scheduled	Maintenance	87	38	Generator protection relay upgrade.
11/17/2011	1827	0.0	Forced	Maintenance	24	26	Compressor bleed valve position failure.
03/26/2012	0700	0.0	Scheduled	Maintenance	31	26	Change out of air intake filters.

# Appendix B

From: Nov. 01, 2011

thru April 30, 2012

East Kentucky Power

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# J.K. Smith

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/28/2011	0700	0.0	Scheduled	Maintenance	65	0	Dilution air modification testing.
12/01/2011	0000	0.0	Scheduled	Maintenance	108	59	Dilution air modification testing.
12/05/2011	1306	0.0	Scheduled	Maintenance	1	33	Dilution air modification testing.
12/05/2011	1920	0.0	Scheduled	Maintenance	15	22	Dilution air modification testing.
12/06/2011	1108	0.0	Scheduled	Maintenance	6	52	Dilution air modification testing.
12/06/2011	2131	0.0	Scheduled	Maintenance	20	21	Dilution air modification testing.
12/07/2011	2240	0.0	Scheduled	Maintenance	178	41	Dilution air modification testing.
12/15/2011	1029	0.0	Scheduled	Maintenance	3	52	Dilution air modification testing.
02/01/2012	1100	0.0	Scheduled	Maintenance	6	9	Change coalesce filters in gas scrubber.
03/28/2012	0723	0.0	Scheduled	Maintenance	12	41	Water wash compressors.
04/19/2012	1448	0.0	Forced	Maintenance	31	5	NOx injection metering valve failure.

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# J.K. Smith

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
01/22/2012	2031	0.0	Forced	Maintenance	167	1	Combustor temperature spread.
02/01/2012	1716	0.0	Forced	Maintenance	3	44	Water injection leak on combustor.
02/16/2012	0700	0.0	Scheduled	Maintenance	9	40	Water wash of the compressor.
02/16/2012	1640	0.0	Forced	Maintenance	69	30	Anti-icing extraction tube failure.
02/19/2012	1456	0.0	Forced	Maintenance	4	19	Ammonia vaporization nozzles plugged.
03/04/2012	0956	0.0	Forced	Maintenance	45	4	D sump strut valve failure.
03/06/2012	0700	0.0	Scheduled	Maintenance	224	52	D sump strut valve repairs.
03/15/2012	1829	0.0	Scheduled	Maintenance	17	38	D sump strut valve repairs.
03/16/2012	1214	0.0	Scheduled	Maintenance	1	7	D sump strut valve repairs.
03/16/2012	1432	0.0	Scheduled	Maintenance	1	29	D sump strut valve repairs.
03/16/2012	1631	0.0	Scheduled	Maintenance	4	13	D sump strut valve repairs.
03/16/2012	2116	0.0	Scheduled	Maintenance	1	22	D sump strut valve repairs.
04/02/2012	0447	0.0	Forced	Maintenance	65	14	Variable stator vane failure.

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		Available	Forced or			ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/02/2011	1429	0.0	Scheduled	Maintenance	0	20	Troubleshoot and repair engine misfire.
11/17/2011	0930	0.0	Forced	Maintenance	2	47	Detonation caused by shift in gas quality.
12/04/2011	0300	0.0	Forced	Fuel Outage	7	11	Reserved shutdown state due to fuel supply.
12/06/2011	1044	0.0	Scheduled	Maintenance	3	9	Plug, valve, and oil service.
12/15/2011	1431	0.0	Scheduled	Maintenance	1	7	Fuel system interruption caused by well field
							construction.
12/22/2011	0917	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
12/26/2011	1642	0.0	Forced	Maintenance	0	20	Detonation caused by shift in gas quality.
12/29/2011	0806	0.0	Forced	Fuel Outage	63	54	Reserved shutdown state due to fuel supply.
01/01/2012	0000	0.0	Forced	Fuel Outage	56	0	Reserved shutdown state due to fuel supply.
01/05/2012	1142	0.0	Scheduled	Maintenance	1	28	Landfill scheduled maintenance on flare.
01/17/2012	1214	0.0	Forced	Maintenance	0	35	E108/104 operation caused by storms.
01/18/2012	1618	0.0	Forced	Fuel Outage	197	22	Reserved shutdown state due to fuel supply.
02/22/2012	1803	0.0	Forced	Maintenance	21	11	Detonation caused by shift in gas quality.
02/27/2012	1804	0.0	Forced	Maintenance	0	1	Detonation caused by shift in gas quality.
03/02/2012	1652	0.0	Forced	Maintenance	18	7	E108/104 operation caused by storms.
03/21/2012	0533	0.0	Scheduled	Maintenance	10	27	Engine top end overhaul.
03/22/2012	0701	0.0	Scheduled	Maintenance	0	33	Changed oil and filters.
03/28/2012	1354	0.0	Forced	Fuel Outage	3	46	Reserved shutdown state due to fuel supply.
04/02/2012	0110	0.0	Forced	Maintenance	2	37	Storm shutdown at flare.
04/05/2012	0920	0.0	Scheduled	Maintenance	0	1	Landfill scheduled maintenance on flare.
04/05/2012	0921	0.0	Forced	Fuel Outage	11	42	Reserved shutdown state due to fuel supply.
04/26/2012	0254	0.0	Forced	Maintenance	117	6	E108/104 operation caused by storms.

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# **Green Valley Landfill**

	Time	Available	Forced or		Ac	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/10/2011	1016	0.0	Scheduled	Maintenance	3	25	Plug, valve, and oil service.
12/08/2011	1118	0.0	Scheduled	Maintenance	477	42	Fuel system interruption caused by well field
							construction.
01/05/2012	1142	0.0	Scheduled	Maintenance	1	28	Landfill scheduled maintenance on flare.
01/10/2012	1530	0.0	Forced	Maintenance	24	0	Dropped valve on cylinder head.
01/16/2012	1408	0.0	Forced	Fuel Outage	49	46	Reserved shutdown state due to fuel supply.
01/20/2012	0844	0.0	Scheduled	Maintenance	0	34	Engine oil change.
01/26/2012	1848	0.0	Forced	Fuel Outage	125	12	Reserved shutdown state due to fuel supply.
03/02/2012	1652	0.0	Forced	Maintenance	18	7	E108/104 operation caused by storms.
03/28/2012	1354	0.0	Forced	Maintenance	3	41	Flare malfunction.
04/02/2012	0110	0.0	Forced	Maintenance	2	37	Storm shutdown at flare.
04/05/2012	0920	0.0	Scheduled	Maintenance	6	5	Landfill scheduled maintenance on flare.
04/05/2012	1810	0.0	Forced	Maintenance	493	27	Low coolant fault, right turbo housing failure.

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	Time	Available	Forced or		Ac	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/09/2011	0604	0.0	Scheduled	Maintenance	11	45	Top end overhaul.
11/10/2011	0931	0.0	Scheduled	Maintenance	0	40	Oil and filter change.
11/17/2011	1229	0.0	Forced	Maintenance	2	23	Right turbo failure.
12/26/2011	1642	0.0	Forced	Maintenance	0	21	Detonation caused by shift in gas quality.
12/28/2011	1137	0.0	Forced	Maintenance	0	3	Detonation caused by shift in gas quality.
01/05/2012	1142	0.0	Forced	Maintenance	1	28	Landfill scheduled maintenance on flare.
01/17/2012	1213	0.0	Forced	Maintenance	0	37	E108/104 operation caused by storms.
03/02/2012	1652	0.0	Forced	Maintenance	18	6	E108/104 operation caused by storms.
04/11/2012	1131	0.0	Scheduled	Maintenance	1	52	Plug, valve, and oil service.
04/26/2012	0133	0.0	Forced	Maintenance	6	5	E108/104 operation caused by storms.
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		Available	Forced or			ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/22/2011	0900	0.0	Forced	Maintenance	3	0	Valve train inspection.
12/13/2011	0900	0.0	Forced	Maintenance	6	5	Repair work to landfill gas header.
01/01/2012	2240	0.0	Forced	Maintenance	1	14	Detonation caused by shift in gas quality.
01/03/2012	1119	0.0	Forced	Maintenance	5	8	Repair valve train.
01/05/2012	0900	0.0	Scheduled	Maintenance	4	7	Repair work to landfill gas header.
01/06/2012	1357	0.0	Forced	Maintenance	0	15	Detonation caused by shift in gas quality.
01/07/2012	1447	0.0	Forced	Maintenance	5	3.5	Detonation caused by shift in gas quality.
01/07/2012	2040	0.0	Forced	Maintenance	16	3.3	Due to cylinder head failure.
01/13/2012	0900	0.0	Forced	Maintenance	0	9	Detonation caused by shift in gas quality.
01/19/2012	0912	0.0	Forced	Maintenance	0	11	Detonation caused by shift in gas quality.
01/19/2012	1019	0.0	Forced	Maintenance	0	13	Detonation caused by shift in gas quality.
01/19/2012	1040	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
01/19/2012	1051	0.0	Forced	Maintenance	0	2	Detonation caused by shift in gas quality.
01/19/2012	1251	0.0	Forced	Maintenance	0	8	Detonation caused by shift in gas quality.
01/19/2012	1357	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
01/27/2012	0903	0.0	Scheduled	Maintenance	3	4	Plug, valve, and oil service.
01/28/2012	1008	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
02/08/2012	1301	0.0	Forced	Maintenance	0	19	Due to sparkplug maintenance.
02/15/2012	1417	0.0	Forced	Maintenance	1	53	Detonation caused by shift in gas quality.
02/17/2012	1315	0.0	Forced	Maintenance	1	41	Substation maintenance.
02/28/2012	1138	0.0	Forced	Maintenance	0	2	Detonation caused by shift in gas quality.
03/02/2012	1926	0.0	Forced	Maintenance	2	34	Storm tripped substation.
03/07/2012	1450	0.0	Forced	Maintenance	0	6	Detonation caused by shift in gas quality.
03/07/2012	1911	0.0	Forced	Maintenance	4	26	Detonation caused by shift in gas quality.
03/28/2012	0900	0.0	Scheduled	Maintenance	6	25	Remove and install engine for major overhaul.
04/03/2012	1037	0.0	Forced	Maintenance	0	41	Adjust belts on fuel skid.
04/10/2012	0917	0.0	Scheduled	Maintenance	8	29	Maintenance on fuel skid.
04/11/2012	1155	0.0	Forced	Maintenance	0	12	Detonation caused by shift in gas quality.
04/12/2012	0150	0.0	Forced	Maintenance	6	24	Detonation caused by shift in gas quality.
04/12/2012	0929	0.0	Forced	Maintenance	0	9	Detonation caused by shift in gas quality.
04/19/2012	0427	0.0	Forced	Maintenance	5	43	Pump failure in condensate tank.
04/25/2012	0959	0.0	Scheduled	Maintenance	4	14	Plug, valve, and oil service.
04/26/2012	1012	0.0	Scheduled	Maintenance	3	21	Maintenance on fuel skid.

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	Time	Available	Forced or		Ac	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/12/2011	0353	0.0	Forced	Maintenance	5	30	Detonation caused by shift in gas quality.
11/16/2011	0901	0.0	Scheduled	Maintenance	2	59	Valve train inspection.
11/16/2011	1200	0.0	Forced	Fuel Outage	141	1	Reserved shutdown state due to fuel supply.
11/28/2011	1230	0.0	Forced	Maintenance	1	25	Fuel skid low oil sensor.
12/06/2011	0900	0.0	Scheduled	Maintenance	3	0	Plug, valve, and oil service.
01/06/2012	0304	0.0	Forced	Maintenance	5	24	Detonation caused by shift in gas quality.
01/14/2012	0900	0.0	Forced	Maintenance	0	25	Valve train inspection.
01/18/2012	0624	0.0	Forced	Maintenance	31	37	Detonation caused by shift in gas quality.
01/20/2012	1224	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
01/20/2012	1247	0.0	Forced	Maintenance	3	56	Due to cylinder head failure.
02/17/2012	1315	0.0	Forced	Maintenance	1	50	Substation maintenance.
02/17/2012	1516	0.0	Forced	Maintenance	0	6	Detonation caused by shift in gas quality.
02/28/2012	1138	0.0	Scheduled	Maintenance	2	29	Plug, valve, and oil service.
03/02/2012	1926	0.0	Forced	Maintenance	2	59	Substation tripped due to storm.
03/28/2012	0900	0.0	Scheduled	Maintenance	5	13	Remove and install engine for major overhaul.
04/03/2012	1037	0.0	Forced	Maintenance	0	43	Adjust belts on fuel skid.
04/10/2012	0917	0.0	Scheduled	Maintenance	8	43	Maintenance on fuel skid.
04/12/2012	0150	0.0	Forced	Maintenance	7	50	Detonation caused by shift in gas quality.
04/19/2012	0427	0.0	Forced	Maintenance	6	0	Pump failure in condensate.
04/26/2012	1012	0.0	Scheduled	Maintenance	3	32	Maintenance on fuel skid.

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	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/11/2011	0903	0.0	Scheduled	Maintenance	2	57	Plug, valve, and oil service.
11/28/2011	1230	0.0	Forced	Maintenance	1	17	Fuel skid low oil sensor.
12/13/2011	0900	0.0	Forced	Maintenance	6	1	Repair work to landfill gas header.
01/05/2012	0900	0.0	Scheduled	Maintenance	6	49	Repair work to landfill gas header.
01/19/2012	0912	0.0	Forced	Maintenance	0	2	Detonation caused by shift in gas quality.
01/19/2012	1019	0.0	Forced	Maintenance	0	3	Detonation caused by shift in gas quality.
01/19/2012	1040	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
01/19/2012	1051	0.0	Forced	Maintenance	0	3	Detonation caused by shift in gas quality.
01/19/2012	1251	0.0	Forced	Maintenance	0	14	Detonation caused by shift in gas quality.
02/03/2012	0900	0.0	Forced	Maintenance	5	44	Changed water pump.
02/17/2012	0900	0.0	Scheduled	Maintenance	2	26	Plug, valve, and oil service.
02/17/2012	1315	0.0	Forced	Maintenance	1	54	Substation maintenance.
03/02/2012	1926	0.0	Forced	Maintenance	2	41	Substation tripped due to storm.
03/22/2012	1549	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
03/27/2012	0652	0.0	Forced	Maintenance	0	40	Detonation caused by shift in gas quality.
03/27/2012	0839	0.0	Forced	Maintenance	0	22	Detonation caused by shift in gas quality.
03/28/2012	0900	0.0	Scheduled	Maintenance	5	15	Remove and install of engine for major overhaul.
03/28/2012	1457	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
03/28/2012	1709	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
04/03/2012	1037	0.0	Forced	Maintenance	0	44	Adjust belts on fuel skid.
04/10/2012	0917	0.0	Scheduled	Maintenance	8	37	Maintenance on fuel skid.
04/12/2012	0150	0.0	Forced	Maintenance	6	32	Detonation caused by shift in gas quality.
04/19/2012	0424	0.0	Forced	Maintenance	5	59	Pump failure in condensate tank.
04/26/2012	1012	0.0	Scheduled	Maintenance	3	24	Maintenance on fuel skid.
04/26/2012	1458	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.

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	Time	Available	Forced or		Ac	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	0000	0.0	Scheduled	Maintenance	81	0	Top end overhaul.
11/08/2011	1035	0.0	Forced	Fuel Outage	70	24	Reserved shutdown state due to fuel supply.
11/28/2011	1229	0.0	Forced	Maintenance	1	20	Fuel skid low oil sensor.
12/13/2011	0900	0.0	Forced	Maintenance	6	8	Repair work to landfill gas header.
01/01/2012	2240	0.0	Forced	Maintenance	1	14	Detonation caused by shift in gas quality.
01/03/2012	1119	0.0	Forced	Maintenance	5	8	Valve train inspection.
01/05/2012	0900	0.0	Scheduled	Maintenance	4	12	Repair work to landfill gas header.
01/13/2012	0906	0.0	Scheduled	Maintenance	5	39	Plug, valve, and oil service.
01/19/2012	0912	0.0	Forced	Maintenance	0	9	Detonation caused by shift in gas quality.
01/19/2012	1019	0.0	Forced	Maintenance	0	13	Detonation caused by shift in gas quality.
01/19/2012	1040	0.0	Forced	Maintenance	0	15	Detonation caused by shift in gas quality.
01/19/2012	1251	0.0	Forced	Maintenance	1	6	Detonation caused by shift in gas quality.
02/17/2012	1315	0.0	Forced	Maintenance	1	47	Substation maintenance.
03/02/2012	1926	0.0	Forced	Maintenance	2	46	Substation tripped due to storm.
03/22/2012	1549	0.0	Forced	Maintenance	0	19	Detonation caused by shift in gas quality.
03/28/2012	0900	0.0	Scheduled	Maintenance	6	2	Remove and install engine for major overhaul.
04/03/2012	1044	0.0	Forced	Maintenance	0	39	Adjust belts on fuel skid.
04/10/2012	0917	0.0	Scheduled	Maintenance	8	31	Fuel skid maintenance and service.
04/12/2012	0150	0.0	Forced	Maintenance	7	1	Detonation caused by shift in gas quality.
04/12/2012	0929	0.0	Forced	Maintenance	0	13	Detonation caused by shift in gas quality.
04/19/2012	0427	0.0	Forced	Maintenance	5	45	Pump failure in condensate tank.
04/26/2012	1012	0.0	Scheduled	Maintenance	3	27	Maintenance on fuel skid.
04/26/2012	1457	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
04/27/2012	0915	0.0	Forced	Maintenance	25	32	Cylinder head failure.

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# **Bavarian Landfill**

<u>Unit 001</u>	***************************************						
	Time	Available	Forced or		A	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/07/2011	0920	0.0	Scheduled	Maintenance	2	25	Plug, valve, and oil service.
11/08/2011	0940	0.0	Scheduled	Maintenance	0	10	Replaced cold plug cylinder #15.
11/09/2011	0845	0.0	Forced	Maintenance	3	0	Lightening arrestor maintenance.
11/18/2011	2120	0.0	Forced	Maintenance	15	20	Replace turbo and housing due to leaking coolant.
11/25/2011	0755	0.0	Forced	Maintenance	4	35	387 relay trip at substation.
12/04/2011	0014	0.0	Forced	Maintenance	2	46	Detonation caused by shift in gas quality.
12/19/2011	0903	0.0	Scheduled	Maintenance	1	54	Plug, valve, and oil service.
12/25/2011	1515	0.0	Forced	Maintenance	3	25	Detonation caused by shift in gas quality.
12/31/2011	1225	0.0	Forced	Maintenance	4	10	Low oil pressure on fuel skid.
01/10/2012	0545	0.0	Forced	Maintenance	0	30	Detonation caused by shift in gas quality.
01/12/2012	0440	0.0	Forced	Maintenance	0	55	Detonation caused by shift in gas quality.
01/14/2012	1230	0.0	Forced	Maintenance	0	20	Detonation caused by shift in gas quality.
01/16/2012	0700	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
01/18/2012	1755	0.0	Forced	Maintenance	1	50	Detonation caused by shift in gas quality.
01/18/2012	2100	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
01/19/2012	1250	0.0	Forced	Maintenance	0	30	387 relay trip at substation.
01/21/2012	0145	0.0	Forced	Maintenance	3	45	Detonation caused by shift in gas quality.
02/03/2012	0940	0.0	Forced	Maintenance	4	25	Detonation caused by shift in gas quality.
02/06/2012	0925	0.0	Scheduled	Maintenance	4	40	Plug, valve, and oil service.
02/09/2012	1255	0.0	Scheduled	Maintenance	1	55	Flare maintenance.
02/17/2012	1350	0.0	Forced	Maintenance	0	40	Detonation caused by shift in gas quality.
02/21/2012	1245	0.0	Forced	Maintenance	2	50	Flare maintenance.
03/02/2012	0500	0.0	Forced	Maintenance	1	5	Detonation caused by shift in gas quality.
03/02/2012	1630	0.0	Forced	Maintenance	3	50	387 relay trip at substation.
03/06/2012	0845	0.0	Forced	Maintenance	0	20	387 relay trip at substation.
03/09/2012	1720	0.0	Forced	Maintenance	0	20	Flare maintenance.
03/11/2012	1550	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
03/16/2012	2155	0.0	Forced	Maintenance	2	40	Detonation caused by shift in gas quality.
03/27/2012	1055	0.0	Scheduled	Maintenance	1	17	Plug, valve, and oil service.
04/04/2012	1500	0.0	Forced	Maintenance	1	35	Substation tripped due to storms.
04/06/2012	2000	0.0	Forced	Maintenance	0	45	387 relay trip at substation.
04/10/2012	1430	0.0	Forced	Maintenance	5	10	Burned valve head #15.
04/11/2012	2015	0.0	Forced	Maintenance	333	40	Lost right hand turbo and housing and left hand manifold.
04/26/2012	0825	0.0	Scheduled	Maintenance	0	40	Changed out oil filters.

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03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant I03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.	<b>Unit 002</b>						**********************	
11/08/2011   0945   0.0   Forced   Maintenance   0   10   Detonation caused by shift in gas quality.		Time	Available	Forced or		Ac	tual	
11/09/2011   0845   0.0   Forced   Maintenance   3   0   Lightening arrestor.	Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/09/2011	11/08/2011	0945	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
11/18/2011   2050   0.0   Forced Maintenance   0   55   Detonation caused by shift in gas quality.   11/21/2011   0755   0.0   Forced Maintenance   2   55   30   387 relay trip a substation.   387 relay trip as quality.   11/30/2011   1310   0.0   Forced Maintenance   8   35   Detonation caused by shift in gas quality.   11/30/2011   1310   0.0   Forced Maintenance   0   5   Detonation caused by shift in gas quality.   12/06/2011   0014   0.0   Forced Maintenance   2   46   Detonation caused by shift in gas quality.   12/06/2011   0915   0.0   Scheduled Maintenance   2   45   Plug, valve, and oil service.   12/25/2011   1515   0.0   Forced Maintenance   3   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2012   2100   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2012   2100   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   12/31/2012   0300   O.0   Forced Maintenance   7   15   Burned valve, replace #8 head.   11/12/2012   0430   0.0   Forced Maintenance   7   15   Burned valve, replace #8 head.   11/31/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   11/32/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   11/32/2012   1250   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   11/32/2012   1300   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   11/32/2012   1300   0.0   Forced Maintenance   3   0   Detonation caused by shift in gas quality.   11/32/2012   1255   0.0   Forced Maintenance   3   0   Detonation caused by shift in gas quality.   11/32/2012   1255   0.0   Scheduled Maintenance	1	0845	1	Forced		1	0	
11/21/2011   0910   0.0   Forced   Maintenance   2   55   Burned valve on #14 head.   11/27/2011   0755   0.0   Forced   Maintenance   5   30   387 relay trip at substation.   11/27/2011   2330   0.0   Forced   Maintenance   0   5   Detonation caused by shift in gas quality.   12/20/2011   0014   0.0   Forced   Maintenance   2   46   Detonation caused by shift in gas quality.   12/20/2011   0013   0.0   Forced   Maintenance   2   45   Detonation caused by shift in gas quality.   12/20/2011   0915   0.0   Scheduled   Maintenance   2   45   Plug, valve, and oil service.   12/25/2011   1515   0.0   Forced   Maintenance   4   20   Low oil pressure fuel skid.   12/31/2011   1225   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2011   120   0.0   Forced   Maintenance   4   20   Low oil pressure fuel skid.   12/31/2012   2100   0.0   Forced   Maintenance   167   10   Detonation caused by shift in gas quality.   12/2012   2010   0.0   Forced   Maintenance   0   30   Detonation caused by shift in gas quality.   12/2012   0510   0.0   Forced   Maintenance   1   10   Detonation caused by shift in gas quality.   12/2012   1050   0.0   Forced   Maintenance   2   0   Replaced head #7 bad valves.   12/2012   1050   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/2012   1050   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/2012   1050   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/2012   1250   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/2012   1250   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/2012   1250   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/2012   1250   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   12/20			1	1		1		
11/25/2011   0755   0.0   Forced Maintenance   5   30   387 relay trip at substation.   11/27/2011   2230   0.0   Forced Maintenance   8   35   Detonation caused by shift in gas quality.   12/04/2011   0014   0.0   Forced Maintenance   2   46   Detonation caused by shift in gas quality.   12/06/2011   0130   0.0   Forced Maintenance   2   46   Detonation caused by shift in gas quality.   12/07/2011   0915   0.0   Forced Maintenance   2   45   Plug, valve, and oil service.   12/25/2011   1515   0.0   Forced Maintenance   4   20   Low oil pressure fuel skid.   01/01/2012   1755   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   10/10/2012   2100   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   01/10/2012   0510   0.0   Forced Maintenance   0   30   Detonation caused by shift in gas quality.   01/10/2012   0430   0.0   Forced Maintenance   1   10   Detonation caused by shift in gas quality.   01/12/2012   0430   0.0   Forced Maintenance   1   10   Detonation caused by shift in gas quality.   01/12/2012   1050   0.0   Scheduled Maintenance   2   0   Replaced head #7 bad valves.   01/12/2012   1050   0.0   Forced Maintenance   2   0   Replaced head #7 bad valves.   01/18/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   01/18/2012   1250   0.0   Forced Maintenance   0   33   37 relay trip at substation.   01/18/2012   1250   0.0   Forced Maintenance   0   30   337 relay trip at substation.   01/25/2012   1340   0.0   Forced Maintenance   0   55   Detonation caused by shift in gas quality.   01/23/2012   1340   0.0   Forced Maintenance   0   55   Detonation caused by shift in gas quality.   01/23/2012   1340   0.0   Forced Maintenance   0   55   Detonation caused by shift in gas quality.   01/25/2012   1340   0.0   Forced Maintenance   0   55   Detonation caused by shift in gas quality.   01/26/2012						i		T
11/27/2011   2230   0.0   Forced Maintenance   8   35   Detonation caused by shift in gas quality.   11/30/2011   1310   0.0   Forced Maintenance   2   46   Detonation caused by shift in gas quality.   12/06/2011   0915   0.0   Scheduled Maintenance   2   45   Plug, valve, and oil service.   12/25/2011   1515   0.0   Scheduled Maintenance   3   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   4   20   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   4   20   Detonation caused by shift in gas quality.   11/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   11/2012   2100   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   11/2012   2010   0.0   Forced Maintenance   0   30   Detonation caused by shift in gas quality.   11/2012   2010   0.0   Forced Maintenance   0   30   Detonation caused by shift in gas quality.   11/2012   2010   0.0   Forced Maintenance   7   15   Burned valve, replace #8 head.   11/2012   1050   0.0   Scheduled Maintenance   2   0   Replaced head #7 bad valves.   11/2012   1050   0.0   Forced Maintenance   2   0   Replaced head #7 bad valves.   11/2012   1050   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   11/2012   1250   0.0   Forced Maintenance   5   40   Burned valve head #6.   11/2012   1250   0.0   Forced Maintenance   5   40   Burned valve head #6.   11/2012   1250   0.0   Forced Maintenance   5   40   Burned valve head #6.   11/2012   1250   0.0   Forced Maintenance   5   80   Burned valve head #6.   11/2012   1250   0.0   Forced Maintenance   15   Detonation caused by shift in gas quality.   11/2012   1250   0.0   Forced Maintenance   15   Detonation caused by shift in gas quality.   11/2012   1255   0.0   Scheduled Maintenance   0   15   Detonation caused by shift in gas quality.   11/2012   1255   0.0   Scheduled Maintenance   0   15   Detonation caused by shift in gas quality.   11	i				i	1		
11/30/2011   1310   0.0   Forced   Maintenance   2   46   Detonation caused by shift in gas quality.   12/06/2011   0130   0.0   Forced   Maintenance   2   46   Detonation caused by shift in gas quality.   12/06/2011   0130   0.0   Forced   Maintenance   2   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced   Maintenance   3   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced   Maintenance   4   20   Low oil pressure fuel skid.   Only 1/2012   1755   0.0   Forced   Maintenance   167   10   Detonation caused by shift in gas quality.   11/2012   2100   0.0   Forced   Maintenance   0   30   Detonation caused by shift in gas quality.   11/2012   0510   0.0   Forced   Maintenance   7   15   Burned valve, replace #8 head.   Only 1/2/2012   1050   0.0   Scheduled   Maintenance   5   40   Burned valve head #6.   Only 1/8/2012   1755   0.0   Forced   Maintenance   5   40   Burned valve head #6.   Only 1/8/2012   1755   0.0   Forced   Maintenance   0   30   Burned valve head #6.   Only 1/8/2012   1755   0.0   Forced   Maintenance   5   40   Burned valve head #6.   Only 1/8/2012   1755   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/8/2012   1755   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/8/2012   1755   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/8/2012   1755   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/9/2012   1250   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/9/2012   1245   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/9/2012   1245   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/20/2012   1245   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   Only 1/20/2012   1245   0.0   Forced   Maintenance   0   1			i		1	1		· · ·
12/04/2011   0014   0.0   Forced Maintenance   2   46   Detonation caused by shift in gas quality.   12/06/2011   0130   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.   12/07/2011   0915   0.0   Forced Maintenance   2   45   Detonation caused by shift in gas quality.   12/25/2011   1515   0.0   Forced Maintenance   3   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   12/31/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/10/2012   2100   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   10/10/2012   0510   0.0   Forced Maintenance   7   15   Burned valve, replace #8 head.   10/11/2/2012   0430   0.0   Forced Maintenance   1   10   Detonation caused by shift in gas quality.   10/11/2/2012   1050   0.0   Scheduled Maintenance   2   0   Detonation caused by shift in gas quality.   10/11/2/2012   1050   0.0   Forced Maintenance   1   10   Detonation caused by shift in gas quality.   10/18/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/18/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/18/2012   1250   0.0   Forced Maintenance   0   15   Detonation caused by shift in gas quality.   10/19/2012   1250   0.0   Forced Maintenance   0   15   Detonation caused by shift in gas quality.   10/19/2012   1250   0.0   Scheduled Maintenance   0   15   Detonation caused by shift in gas quality.   10/19/2012   1300   0.0   Scheduled Maintenance   0   15   Detonation caused by shift in gas quality.   10/19/2012   1350   0.0   Scheduled Maintenance   0   10   Detonation caused by shift in gas quality.   10/19/2012   1350   0.0   Scheduled Maintenance   0   15   Detonation caused by shift in gas quality.   10/19/2012   1350   0.0   Forced Maintenance   0   15   Detonation caused by shift in gas quality.   10/19/2012   1350								, , , ,
12/06/2011   0130   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.   12/25/2011   1515   0.0   Forced Maintenance   2   45   Plug, valve, and oil service.   Plug. valve, and oil service.					l .			I .
12/07/2011   1515   0.0   Scheduled   Maintenance   2   45   Plug, valve, and oil service.   12/25/2011   1515   0.0   Forced   Maintenance   3   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   17/31/2012   1755   0.0   Forced   Maintenance   167   10   Detonation caused by shift in gas quality.   17/30/2012   2010   0.0   Forced   Maintenance   0   30   Detonation caused by shift in gas quality.   17/30/2012   0430   0.0   Forced   Maintenance   7   15   Burned valve, replace #8 head.   01/12/2012   0430   0.0   Forced   Maintenance   1   10   Detonation caused by shift in gas quality.   01/12/2012   1050   0.0   Scheduled   Maintenance   2   0   Replaced head #7 bad valves.   01/14/2012   1010   0.0   Forced   Maintenance   2   0   Replaced head #7 bad valves.   01/18/2012   1010   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   01/18/2012   1010   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   01/18/2012   1010   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   01/18/2012   1010   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   01/18/2012   1250   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   01/25/2012   0145   0.0   Forced   Maintenance   2   58   Plug, valve, and oil service.   01/25/2012   1340   0.0   Forced   Maintenance   2   58   Plug, valve, and oil service.   02/21/2012   1350   0.0   Scheduled   Maintenance   0   10   Cold plug head # 8, did compression test, replug.   02/21/2012   1350   0.0   Forced   Maintenance   0   5   Detonation caused by shift in gas quality.   03/02/2012   0700   0.0   Forced   Maintenance   0   55   Detonation caused by shift in gas quality.   03/02/2012   0700   0.0   Forced   Maintenance   0   50   Detonation caused by shift in gas quality.   03/02/2012   0700   0.0   Forced   Maintenance   0						ı		I
12/25/2011   1515   0.0   Forced Maintenance   3   45   Detonation caused by shift in gas quality.   12/31/2011   1225   0.0   Forced Maintenance   4   20   Low oil pressure fuel skid.   10/10/2012   1755   0.0   Forced Maintenance   167   10   Detonation caused by shift in gas quality.   10/10/2012   2010   0.0   Forced Maintenance   0   30   Detonation caused by shift in gas quality.   10/10/2012   0510   0.0   Forced Maintenance   0   30   Detonation caused by shift in gas quality.   10/10/2012   0430   0.0   Forced Maintenance   1   10   Detonation caused by shift in gas quality.   10/12/2012   1050   0.0   Scheduled Maintenance   2   0   Replaced head #7 bad valves.   10/14/2012   1010   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/18/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/18/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/18/2012   1755   0.0   Forced Maintenance   2   0   Detonation caused by shift in gas quality.   10/18/2012   1250   0.0   Forced Maintenance   0   15   Detonation caused by shift in gas quality.   10/12/2012   1250   0.0   Forced Maintenance   0   30   387 relay trip at substation.   10/12/2012   0902   0.0   Scheduled Maintenance   2   58   Plug, valve, and oil service.   10/12/2012   1340   0.0   Forced Maintenance   2   58   Plug, valve, and oil service   10/12/2012   1350   0.0   Forced Maintenance   3   10   Burned valve #15, replaced head.   10/12/2012   1350   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.   10/12/2012   1245   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.   10/12/2012   1350   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.   10/12/2012   1350   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.   10/12/2012   1630   0.0   Forced Maintenance   0   50   Detonation caused by shift in gas quality.								
12/31/2011   1225   0.0   Forced Maintenance   4   20   Low oil pressure fuel skid.			1					
01/01/2012						ł		, , ,
01/01/2012         2100         0.0         Forced Maintenance         167         10         Detonation caused by shift in gas quality.           01/08/2012         2010         0.0         Forced Maintenance         0         30         Detonation caused by shift in gas quality.           01/10/2012         0430         0.0         Forced Maintenance         1         10         Detonation caused by shift in gas quality.           01/12/2012         1050         0.0         Scheduled Maintenance         1         10         Detonation caused by shift in gas quality.           01/14/2012         1010         0.0         Forced Maintenance         2         0         Replaced head #7 bad valves.           01/18/2012         1755         0.0         Forced Maintenance         2         0         Detonation caused by shift in gas quality.           01/18/2012         1250         0.0         Forced Maintenance         0         15         Detonation caused by shift in gas quality.           01/21/2012         1250         0.0         Forced Maintenance         0         387 relay trip at substation.           01/23/2012         0902         0.0         Scheduled         Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340 <td></td> <td></td> <td>1</td> <td></td> <td>1</td> <td>1</td> <td></td> <td>•</td>			1		1	1		•
01/08/2012         2010         0.0         Forced         Maintenance         0         30         Detonation caused by shift in gas quality.           01/10/2012         0510         0.0         Forced         Maintenance         7         15         Burned valve, replace #8 head.           01/12/2012         1050         0.0         Scheduled         Maintenance         1         10         Detonation caused by shift in gas quality.           01/14/2012         1010         0.0         Forced         Maintenance         2         0         Replaced head #7 bad valves.           01/18/2012         1755         0.0         Forced         Maintenance         2         0         Detonation caused by shift in gas quality.           01/18/2012         2100         0.0         Forced         Maintenance         0         15         Detonation caused by shift in gas quality.           01/19/2012         1250         0.0         Forced         Maintenance         0         30         387 relay trip at substation.           01/21/2012         0145         0.0         Forced         Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340         0.0         Forced         Maintenance         3			1				10	
01/10/2012   0510   0.0   Forced   Maintenance   7   15   Burned valve, replace #8 head.   01/12/2012   1050   0.0   Scheduled   Maintenance   2   0   Replaced head #7 bad valves.   01/14/2012   1010   0.0   Forced   Maintenance   5   40   Burned valve head #6.   O1/18/2012   1755   0.0   Forced   Maintenance   2   0   Detonation caused by shift in gas quality.   01/18/2012   2100   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   01/18/2012   2100   0.0   Forced   Maintenance   0   15   Detonation caused by shift in gas quality.   01/19/2012   1250   0.0   Forced   Maintenance   0   30   387 relay trip at substation.   01/21/2012   0145   0.0   Forced   Maintenance   2   58   Plug, valve, and oil service.   01/25/2012   1340   0.0   Forced   Maintenance   2   58   Plug, valve, and oil service.   01/26/2012   1300   0.0   Scheduled   Maintenance   0   10   Cold plug head #8, did compression test, resplug.   02/09/2012   1255   0.0   Scheduled   Maintenance   0   40   Detonation caused by shift in gas quality.   02/21/2012   1350   0.0   Forced   Maintenance   0   40   Detonation caused by shift in gas quality.   02/21/2012   1350   0.0   Forced   Maintenance   0   40   Detonation caused by shift in gas quality.   02/21/2012   1245   0.0   Forced   Maintenance   0   40   Detonation caused by shift in gas quality.   03/02/2012   0505   0.0   Forced   Maintenance   0   55   Detonation caused by shift in gas quality.   03/02/2012   0505   0.0   Forced   Maintenance   0   55   Detonation caused by shift in gas quality.   03/05/2012   0903   0.0   Scheduled   Maintenance   0   25   Plug, valve, and oil service. Three bad head replaced.   03/06/2012   0845   0.0   Forced   Maintenance   0   25   Plug, valve, and oil service. Three bad head replaced.   03/11/2012   1550   0.0   Forced   Maintenance   0   10   Detonation caused by shift in gas quality.   03/11/2012   1550   0.0   Scheduled   Maintenance   0   10   Detonation caused by shift in gas quality.   03/11/2012   0508   0.0			1					
01/12/2012			1					
01/12/2012         1050         0.0         Scheduled Maintenance         2         0         Replaced head #7 bad valves.           01/14/2012         1010         0.0         Forced Maintenance         5         40         Burned valve head #6.           01/18/2012         1755         0.0         Forced Maintenance         0         15         Detonation caused by shift in gas quality.           01/19/2012         1250         0.0         Forced Maintenance         0         30         387 relay trip at substation.           01/21/2012         0145         0.0         Forced Maintenance         4         0         Detonation caused by shift in gas quality.           01/23/2012         0902         0.0         Scheduled Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340         0.0         Forced Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1350         0.0         Scheduled Maintenance         0         10         Cold plug head #8, did compression test, re plug.           02/17/2012         1350         0.0         Forced Maintenance         1         55         Flare maintenance.           02/21/2012         1245         0.0         Forced M			i I			1		-
01/14/2012         1010         0.0         Forced         Maintenance         5         40         Burned valve head #6.           01/18/2012         1755         0.0         Forced         Maintenance         2         0         Detonation caused by shift in gas quality.           01/18/2012         2100         0.0         Forced         Maintenance         0         15         Detonation caused by shift in gas quality.           01/19/2012         1250         0.0         Forced         Maintenance         4         0         Detonation caused by shift in gas quality.           01/23/2012         0902         0.0         Scheduled         Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340         0.0         Forced         Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1340         0.0         Forced         Maintenance         1         0         Detonation caused by shift in gas quality.           02/09/2012         1255         0.0         Scheduled         Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced         Maintenance         0         40			1		•	l		
01/18/2012         1755         0.0         Forced Maintenance         2         0         Detonation caused by shift in gas quality.           01/18/2012         2100         0.0         Forced Maintenance         0         15         Detonation caused by shift in gas quality.           01/19/2012         1250         0.0         Forced Maintenance         0         30         387 relay trip at substation.           01/21/2012         0145         0.0         Forced Maintenance         4         0         Detonation caused by shift in gas quality.           01/23/2012         0902         0.0         Scheduled Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340         0.0         Forced Maintenance         0         10         Cold plug head # 8, did compression test, replug.           02/09/2012         1255         0.0         Scheduled Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced Maintenance         0         40         Detonation caused by shift in gas quality.           02/21/2012         1245         0.0         Forced Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505					[	l .		· ·
01/18/2012         2100         0.0         Forced Maintenance         0         15         Detonation caused by shift in gas quality.           01/19/2012         1250         0.0         Forced Maintenance         0         30         387 relay trip at substation.           01/21/2012         0145         0.0         Forced Maintenance         4         0         Detonation caused by shift in gas quality.           01/23/2012         0902         0.0         Scheduled Maintenance         2         58         Plug, valve, and oil service.           01/26/2012         1340         0.0         Forced Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1350         0.0         Scheduled Maintenance         0         10         Cold plug head # 8, did compression test, replug.           02/09/2012         1255         0.0         Scheduled Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced Maintenance         3         20         Flare maintenance.           02/21/2012         1245         0.0         Forced Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         <								
01/19/2012         1250         0.0         Forced         Maintenance         0         30         387 relay trip at substation.           01/21/2012         0145         0.0         Forced         Maintenance         4         0         Detonation caused by shift in gas quality.           01/23/2012         0902         0.0         Scheduled         Maintenance         2         58         Plug, valve, and oil service.           01/26/2012         1340         0.0         Forced         Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1300         0.0         Scheduled         Maintenance         0         10         Cold plug head # 8, did compression test, replug.           02/09/2012         1255         0.0         Scheduled         Maintenance         0         40         Detonation caused by shift in gas quality.           02/21/2012         1350         0.0         Forced         Maintenance         0         40         Detonation caused by shift in gas quality.           03/02/2012         0700         0.0         Forced         Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         Forced         Maintenance <td></td> <td></td> <td>į į</td> <td></td> <td>1</td> <td></td> <td></td> <td></td>			į į		1			
01/21/2012         0145         0.0         Forced         Maintenance         4         0         Detonation caused by shift in gas quality.           01/23/2012         0902         0.0         Scheduled         Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340         0.0         Forced         Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1300         0.0         Scheduled         Maintenance         0         10         Cold plug head # 8, did compression test, replug.           02/09/2012         1255         0.0         Scheduled         Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced         Maintenance         0         40         Detonation caused by shift in gas quality.           02/21/2012         1245         0.0         Forced         Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         Forced         Maintenance         0         5         Detonation caused by shift in gas quality.           03/05/2012         0903         0.0         Scheduled         Maintenance			i I		1	l		
01/23/2012         0902         0.0         Scheduled Maintenance         2         58         Plug, valve, and oil service.           01/25/2012         1340         0.0         Forced Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1300         0.0         Scheduled Maintenance         0         10         Cold plug head # 8, did compression test, replug.           02/09/2012         1255         0.0         Scheduled Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced Maintenance         0         40         Detonation caused by shift in gas quality.           02/27/2012         0700         0.0         Forced Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         Forced Maintenance         0         55         Detonation caused by shift in gas quality.           03/05/2012         0903         0.0         Scheduled Maintenance         7         22         Plug, valve, and oil service. Three bad heads replaced.           03/11/2012         0550         0.0         Forced Maintenance         0         25         Turbo and housing replaced due to coolant In Detonation caused by shift in gas quality.					i			· · · · · ·
01/25/2012         1340         0.0         Forced Maintenance         3         10         Burned valve #15, replaced head.           01/26/2012         1300         0.0         Scheduled Maintenance         0         10         Cold plug head # 8, did compression test, replug.           02/09/2012         1255         0.0         Scheduled Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced Maintenance         0         40         Detonation caused by shift in gas quality.           02/21/2012         1245         0.0         Forced Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         Forced Maintenance         0         55         Detonation caused by shift in gas quality.           03/02/2012         1630         0.0         Forced Maintenance         3         35         387 relay trip at substation.           03/05/2012         0903         0.0         Scheduled Maintenance         7         22         Plug, valve, and oil service. Three bad heads replaced.           03/11/2012         0568         0.0         Forced Maintenance         0         25         Turbo and housing replaced due to coolant I Detonation caused by shift in gas quality.			1					
01/26/201213000.0ScheduledMaintenance010Cold plug head # 8, did compression test, replug.02/09/201212550.0ScheduledMaintenance155Flare maintenance.02/17/201213500.0ForcedMaintenance040Detonation caused by shift in gas quality.02/21/201212450.0ForcedMaintenance320Flare maintenance.02/27/201207000.0ForcedMaintenance05Detonation caused by shift in gas quality.03/02/201205050.0ForcedMaintenance055Detonation caused by shift in gas quality.03/02/201216300.0ForcedMaintenance355387 relay trip at substation.03/05/201209030.0ScheduledMaintenance722Plug, valve, and oil service. Three bad heads replaced.03/11/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant leading replaced.03/13/201206080.0ScheduledMaintenance010Detonation caused by shift in gas quality.04/04/201215000.0ForcedMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.					i .	l		_
02/09/2012         1255         0.0         Scheduled Maintenance         1         55         Flare maintenance.           02/17/2012         1350         0.0         Forced Maintenance         0         40         Detonation caused by shift in gas quality.           02/21/2012         1245         0.0         Forced Maintenance         3         20         Flare maintenance.           02/27/2012         0700         0.0         Forced Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         Forced Maintenance         0         55         Detonation caused by shift in gas quality.           03/02/2012         1630         0.0         Forced Maintenance         3         55         387 relay trip at substation.           03/05/2012         0903         0.0         Scheduled Maintenance         7         22         Plug, valve, and oil service. Three bad heads replaced.           03/06/2012         0845         0.0         Forced Maintenance         0         25         Turbo and housing replaced due to coolant I Detonation caused by shift in gas quality.           03/13/2012         0608         0.0         Scheduled Maintenance         0         10         Detonation caused by shift in gas quality.			1			l .		· -
02/09/201212550.0Scheduled ForcedMaintenance155Flare maintenance.02/17/201213500.0ForcedMaintenance040Detonation caused by shift in gas quality.02/21/201212450.0ForcedMaintenance320Flare maintenance.02/27/201207000.0ForcedMaintenance05Detonation caused by shift in gas quality.03/02/201205050.0ForcedMaintenance055Detonation caused by shift in gas quality.03/05/201209030.0ForcedMaintenance355387 relay trip at substation.03/05/201209030.0ScheduledMaintenance722Plug, valve, and oil service. Three bad heads replaced.03/11/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant leads replaced.03/13/201206080.0ForcedMaintenance010Detonation caused by shift in gas quality.04/04/201215000.0ForcedMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.	01,20,2012	1500	0.0	Someatica	- Transcondings		10	1
02/21/2012         1245         0.0         Forced         Maintenance         3         20         Flare maintenance.           02/27/2012         0700         0.0         Forced         Maintenance         0         5         Detonation caused by shift in gas quality.           03/02/2012         0505         0.0         Forced         Maintenance         0         55         Detonation caused by shift in gas quality.           03/02/2012         1630         0.0         Forced         Maintenance         3         55         387 relay trip at substation.           03/05/2012         0903         0.0         Scheduled         Maintenance         7         22         Plug, valve, and oil service. Three bad heads replaced.           03/11/2012         0845         0.0         Forced         Maintenance         0         25         Turbo and housing replaced due to coolant I           03/11/2012         1550         0.0         Forced         Maintenance         0         10         Detonation caused by shift in gas quality.           03/13/2012         0608         0.0         Scheduled         Maintenance         0         1         N-Frame overhaul.           04/04/2012         1500         0.0         Forced         Maintenance         1	02/09/2012	1255	0.0	Scheduled	Maintenance	1	55	
02/27/201207000.0ForcedMaintenance05Detonation caused by shift in gas quality.03/02/201205050.0ForcedMaintenance055Detonation caused by shift in gas quality.03/02/201216300.0ForcedMaintenance355387 relay trip at substation.03/05/201209030.0ScheduledMaintenance722Plug, valve, and oil service. Three bad heads replaced.03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant In the property of the propert	02/17/2012	1350	0.0	Forced	Maintenance	0	40	Detonation caused by shift in gas quality.
03/02/201205050.0ForcedMaintenance055Detonation caused by shift in gas quality.03/02/201216300.0ForcedMaintenance355387 relay trip at substation.03/05/201209030.0ScheduledMaintenance722Plug, valve, and oil service. Three bad heads replaced.03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant I03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.	02/21/2012	1245	0.0	Forced	Maintenance	3	20	Flare maintenance.
03/02/201205050.0ForcedMaintenance055Detonation caused by shift in gas quality.03/02/201216300.0ForcedMaintenance355387 relay trip at substation.03/05/201209030.0ScheduledMaintenance722Plug, valve, and oil service. Three bad heads replaced.03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant I03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.	02/27/2012	0700	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
03/05/201209030.0ScheduledMaintenance722Plug, valve, and oil service. Three bad head replaced.03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant I03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.		0505	0.0	Forced	Maintenance	0	55	Detonation caused by shift in gas quality.
03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant I03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.	03/02/2012	1630	0.0	Forced	Maintenance	3	55	387 relay trip at substation.
03/06/201208450.0ForcedMaintenance025Turbo and housing replaced due to coolant I03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.	03/05/2012	0903	0.0	Scheduled	Maintenance	7	22	Plug, valve, and oil service. Three bad heads
03/11/201215500.0ForcedMaintenance010Detonation caused by shift in gas quality.03/13/201206080.0ScheduledMaintenance367N-Frame overhaul.04/04/201215000.0ForcedMaintenance140Substation tripped due to storms.								replaced.
03/13/2012         0608         0.0         Scheduled Maintenance         36         7         N-Frame overhaul.           04/04/2012         1500         0.0         Forced Maintenance         1         40         Substation tripped due to storms.		0845	0.0		l .	0	25	Turbo and housing replaced due to coolant leak.
04/04/2012 1500 0.0 Forced Maintenance 1 40 Substation tripped due to storms.	03/11/2012	1550	0.0	Forced	Maintenance	0	10	
l	03/13/2012	0608	0.0	Scheduled	Maintenance	36	7	
04/06/0010 2000 00 00 00 00 00 00 00 00 00 00 00	04/04/2012	1500	0.0	Forced	Maintenance	1	40	
1 04/06/2012 2000   0.0   Forced   Maintenance   0 50   38/ relay trip at substation.	04/06/2012	2000	0.0	Forced	Maintenance	0	50	387 relay trip at substation.
04/11/2012 2015 0.0 Forced Maintenance 0 55 387 relay trip at substation.	04/11/2012	2015	0.0	Forced	Maintenance	0	55	387 relay trip at substation.
04/18/2012 1330 0.0 Scheduled Maintenance 0 10 Engine control module testing.	04/18/2012	1330	0.0	Scheduled	Maintenance	0	10	Engine control module testing.

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# **Bavarian Landfill**

Unit 003		l	T 2				
<b>D</b>		Available	Forced or Scheduled	Q	l	ctual	Course on Document
Date	Off/On	MW		Status		Minutes	Cause or Reason
11/02/2011	0815	0.0	Scheduled	Maintenance	4	25	Plug, valve, and oil service. Changed out throttle
							plates.
11/07/2011	1145	0.0		Maintenance	0	15	Cold plug head #4.
11/09/2011	0845	0.0	Forced	Maintenance	3	5	Lightening arrestor.
11/25/2011	0755	0.0	Forced	Maintenance	5	20	387 relay trip at substation.
12/15/2011	0805	0.0		Maintenance	2	55	Plug, valve, and oil service.
12/25/2011	1515	0.0	Forced	Maintenance	3	25	Detonation caused by shift in gas quality.
12/31/2011	1225	0.0	Forced	Maintenance	4	45	Low oil pressure fuel skid.
01/05/2012	1425	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
01/18/2012	1805	0.0	Forced	Maintenance	1	45	Detonation caused by shift in gas quality.
01/18/2012	2100	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
01/19/2012	1250	0.0	Forced	Maintenance	0	40	387 relay trip at substation.
01/30/2012	0905	0.0	Scheduled	Maintenance	8	35	Plug, valve, oil, belts, and batteries service.
02/09/2012	1255	0.0	Scheduled	Maintenance	2	0	Flare maintenance.
02/17/2012	1350	0.0	Forced	Maintenance	1	15	Detonation caused by shift in gas quality.
02/20/2012	1745	0.0	Forced	Maintenance	0	25	Detonation caused by shift in gas quality.
02/21/2012	0920	0.0	Scheduled	Maintenance	1	10	Plug transformer, changed #13 head, compression
							test.
02/21/2012	1245	0.0	Forced	Maintenance	2	55	Flare maintenance.
03/01/2012	0535	0.0	Forced	Maintenance	0	25	Detonation caused by shift in gas quality.
03/02/2012	1630	0.0	Forced	Maintenance	4	0	387 relay trip at substation.
03/06/2012	0845	0.0	Forced	Maintenance	0	25	387 relay trip at substation.
03/09/2012	1720	0.0	Forced	Maintenance	0	30	Flare maintenance.
03/11/2012	1550	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
03/15/2012	0015	0.0	Forced	Maintenance	7	50	Engine control module computer went bad.
03/16/2012	2155	0.0	Forced	Maintenance	18	55	Turbo and housing went bad.
04/03/2012	1530	0.0	Forced	Maintenance	1	20	Trouble with the voltage regulator.
04/04/2012	1500	0.0	Forced	Maintenance	1	50	Substation tripped due to storms.
04/06/2012	2000	0.0	Forced	Maintenance	1	0	387 relay trip at substation.
04/11/2012	2015	0.0	Forced	Maintenance	1	0	387 relay trip at substation.
04/17/2012	1000	0.0	Scheduled	Maintenance	2	35	Plug, valve, and oil service.
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# **Bavarian Landfill**

	Time	Available	Forced or			tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/09/2011	0845	0.0	Forced	Maintenance	4	35	Lightening arrestor.
11/25/2011	0755	0.0	Forced	Maintenance	5	10	Turbo and housing replaced due to coolant leak.
12/04/2011	0014	0.0	Forced	Maintenance	3	6	Detonation caused by shift in gas quality.
12/05/2011	0905	0.0	Scheduled	Maintenance	26	25	Plug, valve, and oil service, waste gate, accuator.
12/25/2011	1515	0.0	Forced	Maintenance	3	35	Detonation caused by shift in gas quality.
12/31/2011	1225	0.0	Forced	Maintenance	4	5	Low oil pressure fuel skid.
01/12/2012	0450	0.0	Forced	Maintenance	0	45	Detonation caused by shift in gas quality.
01/14/2012	1230	0.0	Forced	Maintenance	0	20	Detonation caused by shift in gas quality.
01/18/2012	1800	0.0	Forced	Maintenance	1	55	Detonation caused by shift in gas quality.
01/19/2012	1250	0.0	Forced	Maintenance	0	35	387 relay trip at substation.
01/21/2012	0145	0.0	Forced	Maintenance	3	55	Detonation caused by shift in gas quality.
01/24/2012	1115	0.0	Scheduled	Maintenance	2	20	Plug, valve, and oil service.
02/09/2012	1255	0.0	Scheduled	Maintenance	2	5	Flare maintenance.
02/13/2012	0750	0.0	Forced	Maintenance	0	10	Detonation caused by shift in gas quality.
02/21/2012	1245	0.0	Forced	Maintenance	4	40	Work on flare, bad PT C phase.
03/02/2012	1630	0.0	Forced	Maintenance	4	10	387 relay trip at substation.
03/06/2012	0845	0.0	Forced	Maintenance	0	45	387 relay trip at substation.
03/07/2012	1450	0.0	Forced	Maintenance	3	0	Replacement of #13 head, burned valve.
03/08/2012	1450	0.0	Forced	Maintenance	3	0	Burned valve head #13.
03/09/2012	1720	0.0	Forced	Maintenance	0	30	Flare maintenance.
03/11/2012	1515	0.0	Forced	Maintenance	0	40	Detonation caused by shift in gas quality.
03/26/2012	1110	0.0	Forced	Maintenance	2	55	Plug, valve, and oil service.
03/27/2012	1118	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
03/29/2012	0823	0.0	Scheduled	Maintenance	0	10	Cold plug #9 cylinder replacement.
04/04/2012	1500	0.0	Forced	Maintenance	2	10	Storm tripped substation.
04/06/2012	2000	0.0	Forced	Maintenance	1	0	387 relay trip at substation.
04/11/2012	2015	0.0	Forced	Maintenance	1	5	387 relay trip at substation.
04/30/2012	0805	0.0	Scheduled	Maintenance	4	15	Burned valves on head # 3 and #12.

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# Hardin Co. Landfill

<b>Unit 001</b>							
	Time	Available	Forced or		A	ctual	·
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	2224	0.0	Forced	Maintenance	0	2	Detonation caused by shift in gas quality.
11/02/2011	1039	0.0	Forced	Fuel Outage	28	31	Reserved shutdown state due to fuel supply.
11/09/2011	0550	0.0	Forced	Fuel Outage	1	14	Reserved shutdown state due to fuel supply.
11/09/2011	0818	0.0	Forced	Maintenance	0	12	Detonation caused by shift in gas quality.
11/14/2011	1006	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
11/16/2011	0800	0.0	Forced	Fuel Outage	1	0	Reserved shutdown state due to fuel supply.
11/16/2011	0949	0.0	Scheduled	Maintenance	0	6	Tested the generator after making adjustment to air/fuel ratio controller.
11/16/2011	1042	0.0	Scheduled	Maintenance	0	2	Tested the generator after making adjustment to air/fuel ratio controller.
11/16/2011	1110	0.0	Scheduled	Maintenance	0	3	Tested the generator after making adjustment to air/fuel ratio controller.
11/19/2011	2120	0.0	Forced	Maintenance	1	40	Fuel skid high discharge pressure fault.
11/19/2011	2330	0.0	Forced	Maintenance	1	35	Detonation caused by shift in gas quality.
11/20/2011	0230	0.0	Forced	Maintenance	33	17	Detonation caused by shift in gas quality.
11/21/2011	1208	0.0	Forced	Maintenance	0	5	Detonation caused by shift in gas quality.
11/21/2011	1407	0.0	Forced	Maintenance	0	11	Directional power fault.
11/21/2011	1500	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
11/21/2011	1540	0.0	Scheduled	Maintenance	0	1	Tested generator after made adjustment to air/fuel ratio controller.
11/26/2011	0626	0.0	Forced	Maintenance	1	39	Fuel skid high suction scrubber level.
11/29/2011	0141	0.0	Forced	Maintenance	2	8	Fuel skid high suction scrubber level.
11/29/2011	0418	0.0	Forced	Maintenance	0	33	Fuel skid high suction scrubber level.
11/29/2011	0512	0.0	Forced	Maintenance	42	48	Fuel skid high suction scrubber level.
12/01/2011	0000	0.0	Forced	Maintenance	13	25	Fuel compressor repair.
12/06/2011	0823	0.0	Forced	Maintenance	0	15	Protective relay fault. Loss of field.
12/06/2011	1228	0.0	Forced	Maintenance	1	9	Gas collection system repair.
12/07/2011	1023	0.0	Forced	Maintenance	1	4	Directional power fault.
12/07/2011	1343	0.0	Forced	Maintenance	1	17	Flare fault.
12/14/2011	0900	0.0	Scheduled	Maintenance	5	17	Heavy equipment movers removing generator #3.
12/15/2011	1400	0.0	Forced	Maintenance	0	7	Detonation caused by shift in gas quality.
12/15/2011	2348	0.0	Forced	Maintenance	1	24	Detonation caused by shift in gas quality.
12/16/2011	0931	0.0	Forced	Maintenance	6	29	Removed #8 head, cleaned, and reinstall head back on generator #1.
12/16/2011	1630	0.0	Forced	Maintenance	20	12	Removed #9 head, cleaned, and reinstall head back on generator #1.
12/28/2011	0952	0.0	Forced	Maintenance	0	16	Detonation caused by shift in gas quality.
12/31/2011	0919	0.0	Forced	Maintenance	1	23	Removed and replaced #7 head.
01/03/2012	1211	0.0	Forced	Maintenance	4	49	Repair cold cylinder and replaced head.
01/05/2012	2303	0.0	Forced	Maintenance	1	32	Detonation caused by shift in gas quality.
01/06/2012	0055	0.0	Forced	Maintenance	0	27	Detonation caused by shift in gas quality.
01/06/2012	0150	0.0	Forced	Maintenance	0	12	Repair cold cylinder and replaced spark transformer.
01/07/2012	1750	0.0	Forced	Maintenance	1	50	Detonation caused by shift in gas quality.

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Unit 001	************	_	***************************************	Production of the production o			
	Time	Available	Forced or		Ad	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
01/07/2012	2027	0.0	Forced	Maintenance	0	37	Detonation caused by shift in gas quality.
01/07/2012	2118	0.0	Forced	Maintenance	0	12	Detonation caused by shift in gas quality.
01/07/2012	2303	0.0	Forced	Maintenance	19	11	Check all cylinders, valve, bridges adjustment,
							remove/replace 2 heads.
01/08/2012	1836	0.0	Forced	Maintenance	0	30	Coolant in the engine oil. Replaced oil and filters
01/22/2012	1710	0.0	Forced	Maintenance	0	53	Detonation caused by shift in gas quality.
01/22/2012	1827	0.0	Forced	Maintenance	4	15	Repair cold cylinder.
01/25/2012	0852	0.0	Forced	Maintenance	2	59	Detonation caused by shift in gas quality.
01/26/2012	2303	0.0	Forced	Maintenance	1	21	Detonation caused by shift in gas quality.
01/31/2012	0900	0.0	Scheduled	Maintenance	4	40	Contractor performing start-up on generator #3
							after major overhaul.
02/04/2012	0704	0.0	Forced	Maintenance	1	21	Detonation caused by shift in gas quality.
02/05/2012	2206	0.0	Forced	Maintenance	1	7	Detonation caused by shift in gas quality.
02/06/2012	0749	0.0	Forced	Maintenance	5	50	Detonation caused by shift in gas quality.
02/09/2012	0417	0.0	Forced	Maintenance	1	40	Detonation caused by shift in gas quality.
02/09/2012	0619	0.0	Forced	Maintenance	1	41	Turbo failure, replaced turbo cartridge.
02/10/2012	0655	0.0	Scheduled	Maintenance	0	40	Changed oil and filters.
02/14/2012	0506	0.0	Forced	Maintenance	1	29	Detonation caused by shift in gas quality.
02/14/2012	0808	0.0	Forced	Maintenance	0	13	Detonation caused by shift in gas quality.
02/14/2012	0900	0.0	Scheduled	Maintenance	0	36	Repair cold cylinder.
02/14/2012	2020	0.0	Forced	Maintenance	4	31	Loss of field, removed and replaced power
							transformer.
02/17/2012	1211	0.0	Forced	Maintenance	0	49	52U utility breaker fault.
02/21/2012	1309	0.0	Forced	Maintenance	0	51	Detonation caused by shift in gas quality.
02/21/2012	1422	0.0	Forced	Maintenance	4	2	Replacement of a faulty head.
02/22/2012	0900	0.0	Scheduled	Maintenance	2	28	Plug and valve service.
02/28/2012	0849	0.0	Scheduled	Maintenance	5	36	Heavy equipment crew to set generator #2.
02/29/2012	0450	0.0	Forced	Maintenance	1	34	Detonation caused by shift in gas quality.
02/29/2012	1320	0.0	Forced	Maintenance	0	4	Detonation caused by shift in gas quality.
03/01/2012	0821	0.0	Forced	Fuel Outage	288	39	Reserved shutdown state due to fuel supply.
03/13/2012	1223	0.0	Forced	Fuel Outage	403	37	Reserved shutdown state due to fuel supply.
03/30/2012	1136	0.0	Forced	Fuel Outage	36	24	Reserved shutdown state due to fuel supply.
04/01/2012	0000	0.0	Forced	Fuel Outage	583	25	Reserved shutdown state due to fuel supply.
04/25/2012	1000	0.0	Forced	Fuel Outage	134	0	Reserved shutdown state due to fuel supply.

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# Hardin Co. Landfill

Unit 002				<b>10.00.00.00.00.00.00.00.00.00.00.00.00.0</b>	<del></del>		
	Time	Available	Forced or		Ad	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	2031	0.0	Forced	Fuel Outage	1	40	Reserved shutdown state due to fuel supply.
11/09/2011	0550	0.0	Forced	Fuel Outage	1	14	Reserved shutdown state due to fuel supply.
11/10/2011	1407	0.0	Forced	Fuel Outage	21	10	Reserved shutdown state due to fuel supply.
11/15/2011	1131	0.0	Forced	Fuel Outage	20	42	Reserved shutdown state due to fuel supply.
11/17/2011	1735	0.0	Forced	Maintenance	1	2	Loss of field fault.
11/19/2011	2120	0.0	Forced	Maintenance	1	30	Fuel skid high discharge pressure.
11/19/2011	2353	0.0	Forced	Maintenance	0	12	Fuel skid high suction scrubber level.
11/20/2011	0100	0.0	Forced	Maintenance	56	0	Water pump leaking.
11/22/2011	0900	0.0	Forced	Fuel Outage	207	0	Reserved shutdown state due to fuel supply.
12/01/2011	0000	0.0	Forced	Fuel Outage	128	35	Reserved shutdown state due to fuel supply.
12/06/2011	1228	0.0	Forced	Maintenance	1	6	Gas collection system repair.
12/07/2011	1343	0.0	Forced	Maintenance	1	17	Flare fault.
12/13/2011	0914	0.0	Scheduled	Maintenance	1	12	Plug and valve service.
12/14/2011	0900	0.0	Scheduled	Maintenance	5	17	Heavy equipment movers removing generator #3.
12/17/2011	0900	0.0	Forced	Maintenance	7	0	Leaking oil from main seal.
12/17/2011	1700	0.0	Forced	Maintenance	343	0	Leaking oil from main seal.
01/01/2012	0000	0.0	Forced	Maintenance	528	0	Leaking oil from main seal.
01/23/2012	0000	0.0	Scheduled	Maintenance	216	0	Generator sent to vendor for overhaul.
02/01/2012	0000	0.0	Scheduled	Maintenance	696	0	Generator at vendor for major overhaul.
03/01/2012	0000	0.0	Scheduled	Maintenance	9	48	Major overhaul.
03/01/2012	1700	0.0	Forced	Maintenance	0	20	Cold cylinder repair.
03/15/2012	2333	0.0	Forced	Maintenance	1	19	Due to storms.
03/22/2012	1030	0.0	Forced	Maintenance	0	24	Cold cylinder repair.
03/25/2012	0939	0.0	Forced	Maintenance	2	3	Directional power failer fault.
03/25/2012	1146	0.0	Forced	Maintenance	1	5	Replaced high volatage capacitor.
03/27/2012	1118	0.0	Forced	Maintenance	0	20	Cold cylinder repair.
03/28/2012	1039	0.0	Forced	Maintenance	3	36	Directional power fault.
03/30/2012	0747	0.0	Forced	Fuel Outage	4	17	Reserved shutdown state due to fuel supply.
04/03/2012	1808	0.0	Forced	Maintenance	1	41	Detonation caused by shift in gas quality.
04/03/2012	2211	0.0	Forced	Maintenance	1	19	Detonation caused by shift in gas quality.
04/05/2012	1046	0.0	Forced	Maintenance	0	37	Detonation caused by shift in gas quality.
04/05/2012	1639	0.0	Forced	Maintenance	0	37	Detonation caused by shift in gas quality.
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# Hardin Co. Landfill

		Available	Forced or			ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	0000	0.0	Forced	Fuel Outage	34	39	Reserved shutdown state due to fuel supply.
11/03/2011	1505	0.0	Forced	Fuel Outage	95	0	Reserved shutdown state due to fuel supply.
11/07/2011	1410	0.0	Scheduled	Maintenance	0	1	Testing of the generator panel.
11/07/2011	1411	0.0	Forced	Fuel Outage	71	57	Reserved shutdown state due to fuel supply.
11/11/2011	1108	0.0	Forced	Fuel Outage	96	25	Reserved shutdown state due to fuel supply.
11/16/2011	1208	0.0	Forced	Maintenance	60	2	Lack of gas and high vacuum.
11/26/2011	0626	0.0	Forced	Maintenance	1	36	Fuel skid high suction scrubber level.
11/29/2011	0141	0.0	Forced	Maintenance	2	3	Fuel skid high suction scrubber level.
11/29/2011	0418	0.0	Forced	Maintenance	0	33	Fuel skid high suction scrubber level.
11/29/2011	0512	0.0	Forced	Maintenance	42	48	Fuel skid high suction scrubber level.
12/01/2011	0000	0.0	Forced	Maintenance	13	21	Fuel compressor repair.
12/06/2011	0839	0.0	Scheduled	Maintenance	615	21	Generator sent to vendor for major overhaul.
01/01/2012	0000	0.0	Scheduled	Maintenance	730	16	Generator sent to vendor for overhaul.
02/16/2012	1147	0.0	Scheduled	Maintenance	1	37	Oil service.
02/17/2012	1211	0.0	Forced	Maintenance	0	49	52U utility breaker fault
02/28/2012	0849	0.0	Scheduled	Maintenance	5	42	Heavy equipment crew setting generator #2 in place.
03/01/2012	0900	0.0	Forced	Fuel Outage	7	8	Reserved shutdown state due to fuel supply.
03/01/2012	1608	0.0	Scheduled	Maintenance	0	14	Calabrated timing sensor.
03/13/2012	0900	0.0	Forced	Fuel Outage	3	28	Reserved shutdown state due to fuel supply.
03/15/2012	2333	0.0	Forced	Maintenance	1	9	Due to storms.
03/22/2012	0758	0.0	Scheduled	Maintenance	0	36	Oil service.
04/14/2012	1320	0.0	Forced	Maintenance	2	54	High temperature, removed and replaced radiator fan belts.
04/25/2012	0721	0.0	Forced	Fuel Outage	2	39	Reserved shutdown state due to fuel supply.
04/27/2012	0130	0.0	Forced	Maintenance	94	30	Short in control wiring.

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# Pendleton Co. Landfill

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/30/2011	0905	0.0	Scheduled	Maintenance	3	2	Oil service.
12/05/2011	1014	0.0	Scheduled	Maintenance	3	15	Replaced right side turbocharger on engine.
12/24/2011	1142	0.0	Forced	Maintenance	3	44	Substation operation.
01/02/2012	2207	0.0	Forced	Maintenance	12	41	High condesate level in knockout outside
					_		building, pump failed.
01/04/2012	1010	0.0	Scheduled	Maintenance	2	15	Changed turbo on engine.
01/07/2012	1432	0.0	Forced	Maintenance	2	20	Substation operation.
01/09/2012	0925	0.0	Scheduled	Maintenance	3	48	Changed turbo on engine.
01/10/2012	1152	0.0	Scheduled	Maintenance	3	34	Installation of air pump in knockout.
01/12/2012	0904	0.0	Forced	Fuel Outage	2	23	Reserved shutdown state due to fuel supply.
01/16/2012	0923	0.0	Scheduled	Maintenance	3	2	Oil change, plug, valve service and valve recession.
02/28/2012	0911	0.0	Forced	Fuel Outage	4	37	Reserved shutdown state due to fuel supply.
03/02/2012	0904	0.0	Scheduled	Maintenance	3	36	Oil change, plug, valve service and valve recession.
03/02/2012	1641	0.0	Forced	Maintenance	6	13	Substation operation.
03/08/2012	1335	0.0	Scheduled	Maintenance	0	39	Replaced broken head bolt.
03/10/2012	0109	0.0	Forced	Maintenance	1	42	Detonation sensor failure on engine.
04/19/2012	0847	0.0	Scheduled	Maintenance	2	59	Oil change, plug, valve service and valve recession.
04/20/2012	0825	0.0	Scheduled	Maintenance	0	26	Changed spark plugs due to cold cylinder temperature.

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# Pendleton Co. Landfill

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/14/2011	0951	0.0	Scheduled	Maintenance	2	55	Oil change, plug, valve service and valve
							recession.
11/14/2011	1359	0.0	Scheduled	Maintenance	0	15	Cold plug.
12/24/2011	1142	0.0	Forced	Maintenance	3	30	Substation operation.
12/28/2011	1020	0.0	Scheduled	Maintenance	3	1	Rebuilt gas regulators and oil change.
12/29/2011	0908	0.0	Scheduled	Maintenance	2	35	Valve adjustment.
01/02/2012	2207	0.0	Forced	Maintenance	12	46	High condensate level in knockout, pump failed.
01/07/2012	1432	0.0	Forced	Maintenance	2	5	Substation operation.
01/10/2012	1152	0.0	Scheduled	Maintenance	3	33	Installation of air pump in knockout.
01/12/2012	0904	0.0	Forced	Fuel Outage	2	33	Reserved shutdown state due to fuel supply.
02/15/2012	1024	0.0	Scheduled	Maintenance	3	40	Oil change, plug, valve service and valve
							recession.
02/28/2012	0911	0.0	Forced	Fuel Outage	5	41	Reserved shutdown state due to fuel supply.
03/02/2012	1641	0.0	Forced	Maintenance	6	20	Substation operation.
04/03/2012	2347	0.0	Scheduled	Maintenance	19	15	Detonation caused by shift in gas quality.
04/09/2012	1404	0.0	Scheduled	Maintenance	0	43	Changed oil filters.
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# Pendleton Co. Landfill

	Time	Available	Forced or		Ac	tual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
12/12/2011	0906	0.0	Scheduled	Maintenance	8	32	Rebuilt gas regulators and welded capacitor box.
12/13/2011	0909	0.0	Scheduled	Maintenance	3	1	Oil change, plug, valve service and valve
							recession.
12/24/2011	1142	0.0	Forced	Maintenance	3	30	Substation operation.
01/02/2012	2207	0.0	Forced	Maintenance	13	4	High condesate level in knockout, pump failed.
01/07/2012	1432	0.0	Forced	Maintenance	2	10	Substation operation.
01/10/2012	1152	0.0	Scheduled	Maintenance	3	35	Install air pump in knockout.
01/12/2012	0905	0.0	Forced	Fuel Outage	3	31	Reserved shutdown state due to fuel supply.
01/30/2012	0918	0.0	Scheduled	Maintenance	2	47	Oil change, plug, valve service and valve recession.
02/01/2012	1037	0.0	Scheduled	Maintenance	0	19	Cylinder misfire, changed out spark plug.
02/28/2012	0912	0.0	Forced	Fuel Outage	4	38	Reserved shutdown state due to fuel supply.
03/02/2012	1641	0.0	Forced	Maintenance	6	24	Substation operation.
03/06/2012	0906	0.0	Scheduled	Maintenance	4	57	Replaced turbo cartridges on engine.
03/19/2012	1006	0.0	Scheduled	Maintenance	3	52	Oil change, plug, valve service and valve
							recession.

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# Pendleton Co. Landfill

Į l	Time	Available	Forced or		Ac	ctual	
Date O	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/01/2011	0000	0.0	Forced	Fuel Outage	177	13	Reserved shutdown state due to fuel supply.
11/10/2011	1334	0.0	Scheduled	Maintenance	0	19	Oil filter change.
12/22/2011	0914	0.0	Scheduled	Maintenance	3	8	Oil change, plug, valve service and valve
							recession.
12/24/2011	1142	0.0	Forced	Maintenance	3	31	Substation operation.
01/02/2012	2207	0.0	Forced	Maintenance	12	40	High condesate level in knockout, pump failed.
01/07/2012	1432	0.0	Forced	Maintenance	2	4	Substation operation.
01/10/2012	1152	0.0	Scheduled	Maintenance	3	33	Install air pump in knockout.
01/12/2012	0905	0.0	Forced	Fuel Outage	2	22	Reserved shutdown state due to fuel supply.
02/06/2012	0921	0.0	Scheduled	Maintenance	3	14	Oil change, plug, valve service and valve
	1						recession.
02/28/2012	0911	0.0	Forced	Fuel Outage	4	37	Reserved shutdown state due to fuel supply.
03/02/2012	1641	0.0	Forced	Maintenance	6	13	Substation operation.
03/28/2012	0608	0.0	Scheduled	Maintenance	12	19	Top end.
04/02/2012	1239	0.0	Scheduled	Maintenance	0	40	Changed oil filters and governor actuator.

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# Mason Co. Landfill

	Time	Available	Forced or		Ac	ctual	
Date	Off/On	MW	Scheduled	Status	Hours	Minutes	Cause or Reason
11/14/2011	2249	0.0	Forced	Maintenance	10	14	N89-104 utility breaker operation.
11/20/2011	1446	0.0	Forced	Maintenance	20	18	System fault at substation.
11/22/2011	0326	0.0	Forced	Maintenance	29	34	System fault at substation.
11/23/2011	1134	0.0	Scheduled	Maintenance	0	6	Unit testing.
11/26/2011	0358	0.0	Forced	Maintenance	7	45	Generator protective relay reverse power.
11/27/2011	0533	0.0	Forced	Maintenance	90	27	System fault at substation.
12/01/2011	0000	0.0	Forced	Maintenance	744	0	N89-104 utility breaker operation.
01/01/2012	0000	0.0	Forced	Maintenance	130	24	N89-104 utility breaker operation.
01/13/2012	1807	0.0	Forced	Fuel Outage	62	55	Reserved shutdown state due to fuel supply.
01/16/2012	1002	0.0	Forced	Fuel Outage	215	34	Reserved shutdown state due to fuel supply.
02/01/2012	0935	0.0	Scheduled	Maintenance	3	13	Plug, valve and oil service.
02/06/2012	0535	0.0	Forced	Maintenance	29	23	N89-104 utility breaker operation.
02/07/2012	2325	0.0	Forced	Maintenance	154	11	N89-104 utility breaker operation.
02/20/2012	0950	0.0	Forced	Fuel Outage	3	55	Reserved shutdown state due to fuel supply.
02/20/2012	1355	0.0	Scheduled	Maintenance	0	5	Adjust engine governor.
02/20/2012	1405	0.0	Scheduled	Maintenance	0	5	Adjust engine governor.
02/22/2012	1318	0.0	Forced	Maintenance	1	52	Lack of fuel, high vacuum.
02/22/2012	1630	0.0	Forced	Maintenance	1	30	Lack of fuel, high vacuum.
02/22/2012	1821	0.0	Forced	Maintenance	173	39	Lack of fuel, high vacuum.
03/01/2012	0000	0.0	Forced	Fuel Outage	744	0	Reserved shutdown state due to fuel supply.
04/01/2012	0000	0.0	Forced	Fuel Outage	720	0	Reserved shutdown state due to fuel supply.

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

# COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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 10 of this response.

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

!	(K)	Current Price Paid for Coal (i&j)	\$61.32/Ton	\$93.825/Ton
	9	Total Amt. of Price Escalations to Date	\$7.824/Ton	\$17.075/Ton
	(i)	Base Price \$/Ton	\$53.496	\$76.75
	(h)	% of Annual Requirements Received	95% 106% 89% 120% 95% 102%	97% 103% 107%
ED 06/22/12	(g) Actual Annual Tonnage Rec'd	Since Inception of Contract Through 07/12	120,000—2006—113,875,87 120,000—2007—126,605,83 120,000—2008—110,562,82 120,000—2009—106,604,65 120,000—2010—144,182,40 120,000—2011—113,608,85 50,190—2012— 51,325,45	240,000—2010—232,788.12 240,000—2011—247,202,70 115,000—2012—122,841.29
OKDEK DAT	(f) Annual	Tonnage Required Through	120,000—2 120,000—2 120,000—2 120,000—2 120,000—2 50,190—2	240,000—2 240,000—2 115,000—2
KESPONSE 10 FSC OKDER DATED 08/22/12	(e)	Revisions or Amendments	Amendment 1 11/05/07 Letter 8/20/08 Letter 02/04/11 Letter 02/23/11 Letter 03/22/11 Letter 09/29/11 Letter 10/17/11 Amendment 2 01/04/12 Letter 01/26/12 Letter 03/05/12 Letter 03/13/12 Letter 03/13/12 Letter 03/13/12 Letter 03/13/12 Letter 03/13/12	Letter 05/03/11 Letter 06/21/11 Letter 09/30/11 Amendment 1 10/03/11 Letter 12/13/11
¥.	(p)	Duration of Contract	7 Yrs. 4 Mos.	4 Yrs.
	(2)	Contract Date	12/20/05	12/01/09
	(q)	Production Facility	Little Elk Mining Perry, KY	Perry Co. Coal Corp. Perry, KY
	(a)	Supplier	Long Term:  Dale Station Trinity Coal Mktg., LLC 4978 Teays Valley Rd. Scott Depot, WV 25560	Perry County Coal Corp. 200 Allison Blvd. Corbin, KY 40701

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

	(k)	Current Price Paid for Coal (i&j)	\$95.112/Ton	PSC Request 8 Page 3 of 10
	(f)	Total Amt. of Price Escalations to Date	\$1.608/Ton	\$18.5688/Ton
	<u>(i)</u>	Base Price \$/Ton	\$93.504	\$64.056
	(h)	% of Annual Requirements Received	95% 100% 101% 104% 97% 101%	97% 99% 140%
	(g) Actual Annual Tonnaga Bac'd	Since Inception of Contract Through	30,000—2006— 30,190.00 120,000—2007—120,013.11 128,000—2008—129,025.17 130,120—2009—130,090.86 120,000—2010—124,562.12 99,400—2011— 96,775.96 55,460—2012— 56,138.50	240,000—2010—233.890.92 240,000—2011—237,480.36 29,000—2012— 40,558.56
ORDER DAT	(f)	Annuar Tonnage Required Through	30,000—2006—120,000—2007—128,000—2008—130,120—2009—120,000—20110—99,400—2011—55,460—2012—	240,000—2 240,000—2 29,000—2
RESPONSE TO PSC ORDER DATED 08/22/12	(e)	Revisions or Amendments	Letter 10/17/06 Letter 06/16/08 Letter 08/20/08 Amendment 1 03/26/09 Letter 07/31/09 Letter 07/31/09 Letter 09/01/09 Amendment 2 09/14/09 Letter 10/27/10 Letter 10/27/11 Letter 03/23/11 Letter 03/23/11 Letter 03/23/11 Letter 03/23/11 Letter 09/29/11	Letter 04/12/11 Letter 05/19/11 Letter 06/20/11 Amendment i 09/06/11 Letter 12/12/11 Letter 12/12/11 Letter 12/19/11 Letter 01/25/12 Letter 01/25/12 Letter 01/25/12 Letter 04/02/12 Amendment 2 06/07/12
pin	(p)	Duration of Contract	6 Yrs.	4 Yrs. 8 Mos.
	(c)	Contract Date	08/21/06	11/10/09
	(q)	Production Facility	Little Elk Mining Perry, KY	B & W Resources Manchester Loadout
	(a)	Supplier	Cooper Station Trinity Coal Mktg., LLC 4978 Teays Valley Rd. Scott Depot, WV 25560 (Contract No. 230)	B & W Resources, Inc. 849 S. Highway 11 Manchester, KY 40962

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

	(k)	Current Price Paid for Coal (i&j)	\$71.3304/Ton	\$83.78514/Ton Ba
	9	Total Amt. of Price Escalations to Date	\$2.16/Fon	\$11.78074/Ton
	(i)	Base Price \$/Ton	\$69.1704	\$72.0044
	(h)	% of Annual Requirements Received	103% 96% 116%	101% 125% 55%
	(g) Actual Annual Tonnage Rec'd	Since Inception of Contract Through 07/12	72,000—2010— 73,886.74 165,600—2011—159,156.51 45,144—2012— 52,229.84	48,000—2010— 48,383.56 96,000—2011—119,763.27 54,460—2012— 30,103.70
OMEN DATE	(J)	Tonnage Required Through	72,000—20 165,600—20 45,144—20	48,000—20 96,000—20 54,460—20
NEST ONSE TO USE OMBEN PATER VOLLER	(e)	Revisions or Amendments	Letter 10/27/10 Letter 02/04/11 Letter 02/23/11 Letter 03/03/11 Letter 03/22/11 Letter 10/77/11 Letter 10/77/11 Amendment 1 01/04/12 Letter 03/26/12 Letter 04/12/12 Letter 04/12/12 Letter 05/21/12 Letter 05/21/12 Letter 05/31/12	Amendment 1 06/21/10 Amendment 2 07/08/10 Amendment 3 09/07/11 Amentment 4 10/28/11 Letter 04/12/12 Letter 04/12/12 Letter 05/21/12 Letter 05/21/12
4	(p)	Duration of Contract	4 Yrs. 6 Mos.	3 Yrs.
	(c)	Contract Date	02/11/10	05/11/10
	(b)	Production Facility	Little Elk Mining Perry, KY	Jamieson Constr. Bell, KY
	(a)	Supplier	Cooper Station (Continued) Trinity Coal Mktg., LLC 4978 Teays Valley Rd. Scott Depot, WV 25560 (Contract No. 238)	Jamieson Construction 30 Jamieson Lane London, KY 40744

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

(F)	Q)	Current	Frice Faid for	Coal (i&j)	\$45.5168/Ton	\$30.85824/Ton	PSC Request 8 Page 5 of 10
€	9	Total Amt.	ot Price Escalations	to Date	\$20.5148/Ton	\$3.03744/Ton	
€	Ξ	;	Base Price	S/Ton	\$25.002	\$27.8208	
3	(II)	, oo %	Annual Requirements	Received	64% 116% 116% 74% 109% 107% 87% 108%	0% 121% 91% 121% 88%	
71/77/00 O	(g) Actual Annual Tonnage Rec'd	Since Inception	of Contract Through	07/12	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—2010—643,247.00 600,000—2011—524,574.00 350,000—2012—377,782.00	135,000—2008— 0.00 360,000—2009—456,602.00 515,000—2010—466,705.00 540,000—2011—651,206.00 205,000—2012—179,976.00	
OKDEK DATE	(I) Anniisi	Топпаде	Required Through	07/12	180,000—2005—240,000—2006—240,000—2007—262,000—2008—600,000—2011—350,000—2012—350,000—2012—	135,000—2008- 360,000—2009- 515,000—2010- 540,000—2011- 205,000—2012-	
KESPONSE TO FSC ORDER DATED 08/22/12	(e)		Revisions or	Amendments	Letter 01/03/05 Letter 08/29/05 Letter 03/216/07 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 06/13/12 Letter 06/13/12 Letter 07/03/12	Letter 12/03/07 Letter 06/30/08 Letter 09/15/08 Letter 12/02/08 Letter 01/22/09 Letter 02/27/09 Letter 05/22/09 Letter 06/11/09 Letter 06/11/09 Letter 06/11/09 Letter 06/11/09	Letter 01/04/10 Letter 06/30/10 Letter 09/10/10 Letter 11/08/10 Letter 11/14/11 Letter 11/14/11 Amendment 1 12/06/11
natural (	( <del>p</del> )		Duration of	Contract	10 Yrs.	3 Yrs. 10 Mos.	
	(o)		Contract	Date	11/09/04	10/02/07	
	(q)		Production	Facility	Daron-Ligget Harrison, OH Barnesville Belmont, OH	Armstrong Coal Ohio, KY	
	(a)			Supplier	Spurlock Station Oxford Mining Co. 544 Chestnut Street P. O. Box 427 Coshocton, OH 43812 (Gilbert Contract 800)	Armstrong Coal Co., Inc. Suite 1000 7701 Forsyth Blvd. St. Louis, MO 63105 (Contract No. 500)	

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

(k)	Current Price Paid for Coal (i&j)	\$42.25548/Ton +\$1/Ton Surchg	\$42.6795/Ton +1/Ton Surchg	PSC Request 8 Page 6 of 10
Э	Total Amt. of Price Escalations to Date	\$3.25008/Ton	\$5.2725/Ton	\$11.499/Ton
Ξ	Base Price \$/Ton	\$39.0054	\$37.407	\$48.001
(h)	% of Annual Requirements Received	93% 98% 98% 98% 98%	87% 115%	98% 96% 102% 98%
(g) Actual Annual	Tonnage Rec'd Since Inception of Contract Through	206,500—2008—191,701.00 354,000—2009—345,522.00 354,000—2010—382,891.00 230,100—2011—226,692.00 113,575—2012—110,854.00	163,050—2011—142,152.00 138,600—2012—159,139.00	219,600—2009—215,372.00 240,000—2010—229,670.00 240,000—2011—245,378.00 140,000—2012—136,384.00
(J)	Annual Tonnage Required Through 07/12	206,500—2008—354,000—2009—354,000—2010—230,100—2011—113,575—2012—	163,050—20 138,600—20	219,600—20 240,000—20 240,000—21 140,000—21
(e)	Revisions or Amendments	Letter 05/11/09 Letter 06/01/09 Letter 01/04/10 Amendment 1 02/02/11 Letter 04/25/11 Letter 06/07/11 Amendment 2 01/26/12 Letter 06/13/12 Letter 06/13/12 Letter 07/03/12	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 08/19/10 Letter 08/18/11 Letter 08/23/11 Letter 08/29/11 Letter 09/08/11 Letter 09/15/11 Letter 09/15/11 Letter 03/15/12
(p)	Duration of Contract	6 Yrs.	5 Yrs 3 Mos.	9 Yrs.
(2)	Contract Date	07/03/08	02/02/11	08/19/08
(b)	Production Facility	whigville, West Whigville, West Fork, & Ullman Noble, OH	Whigville, West Fork, & Ullman Noble, OH	Pond Creek Mach Mining Williamson, IL
(a)	Supplier	Spurlock Station (Continued) B & N Coal, Inc. P. O. Box 100 Dexter City, OH 45727 (Contract No. 812)	B & N Coal, Inc. P. O. Box 100 Dexter City, OH 45727 (Contract No. 812A)	Williamson Energy, LLC 3801 PGA Blvd., Ste. 903 Palm Beach Gardens, FL 33410

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

	(34)	Current Price Paid for Coal (i&j)	\$52.92224/Ton	\$51.75/Ton	
	Ð	Total Amt. of Price Escalations to Date	\$1.42024/Ton	(\$20.24)/Ton	
	(E)	Base Price \$/Ton	\$51.502	\$71.99	
	(h)	% of Annual Requirements Received	80% 66% %66 80%	98% 101% 91% 91%	
08/22/12	(g) Actual Annual	Tonnage Rec'd Since Inception of Contract Through	75,000—2008— 60,232.00 60,000—2009—379,854.00 60,000—2010—356,061.00 60,000—2011—357,032.00 10,000—2012—226,476.00	240,000—2009—234,705.00 240,000—2010—242,366.00 240,000—2011—252,479.00 140,000—2012—127,344.00	
ORDER DATE	(j)	Annual Tonnage Required Through	75,000—2008-360,000—2009-360,000—2010-360,000—2011-210,000—2011-	240,000—20 240,000—20 240,000—20 140,000—20	
RESPONSE TO PSC ORDER DATED 08/22/12	(e)	Revisions or Amendments	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	Letter 05/11/09 Amendment 1 05/22/09 Letter 06/01/09 Letter 05/17/10 Letter 05/17/10 Amendment 2 11/15/10 Letter 12/09/10 Letter 02/15/11 Letter 03/07/11 Letter 08/03/11 Letter 08/18/11 Letter 08/18/11 Letter 08/18/11 Letter 08/18/11 Letter 08/18/11	
<b>~</b>	(p)	Duration of Contract	8 Yrs. 5 Mos.	6 Yrs.	
	(c)	Contract Date	08/27/08	80/11/60	
	(q)	Production Facility	ued) Daron-Ligget Harrison, OH Barnesville, Wheeling Valley Mine-Belmont, OH	Pattiki White, IL	
	(a)	Supplier	Spurlock Station (Continued) Oxford Mining Co. 544 Chestnut Street P. O. Box 427 Coshocton, OH 43812 W (Scrubber Contract 504)	White County Coal, LLC 1717 S. Boulder Avenue Tulsa, OK 74119	

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

(k)  Current  Price Paid  for  Coal (i&j)	\$56.7864/Ton	\$55.50/Ton	\$52.0668/Ton	PSC Request 8 Page 8 of 10
(j)  Total Amt. of Price Escalations to Date	\$14.796Ton	\$3.00/Ton	\$7.074/Ton	\$6.6046/Ton
(i) Base Price S/Ton	\$41.9904	\$52.50	\$44.9928	\$37.50
(h) % of Annual Requirements Received	97% 97% 98%	106% 85% 104%	%68 106% 86%	92% 127% 73%
(g) Actual Annual Tonnage Rec'd Since Inception of Contract Through	180,000—2010—179,657.00 180,000—2011—174,049.00 105,000—2012—102,774.00	220,000—2010—234,110.00 257,446—2011—219,933.00 140,000—2012—146.263.00	60,000—2010— 53,134,00 120,000—2011—126,848.00 70,000—2012— 62,046.00	60,000—2010— 54,992.00 20,000—2011—151,965.00 70,000—2012— 51,364.00
(f) Annual Tonnage Required Through	180,000—22 180,000—22 105,000—2	220,000—2 257,446—2 140,000—2	60,000—2 120,000—2 70,000—2	60,000—2010— 120,000—2011— 70,000—2012—
(c) Revisions or Amendments	Amendment 1 09/01/09 Letter 11/10/09 Letter 11/04/11 Letter 06/13/12 Letter 07/03/12	Letter 11/10/09 Letter 07/30/10 Letter 03/09/11 Letter 03/09/11 Letter 04/05/11 Letter 04/15/11 Letter 10/11/11 Letter 10/11/11 Letter 10/11/11 Letter 10/15/11 Letter 10/15/11	Letter 11/04/11 Letter 06/13/12 Letter 07/03/12	Letter 06/13/12 Letter 07/03/21
(d)  Duration of Contract	3 Yrs.	3 yrs.	3 Yrs.	2 ½ Yrs.
(c) Contract Date	08/11/00	60/11/00	02/28/10	05/28/10
(b) Production Facility	ued) Black Castle Mining Boone, WV	Shoemaker Marshall, WV	Marfork Black Castle Mining Boone, WV	Log Creek Pike, IN
(a) Supplier	Spurlock Station (Continued) Alpha Coal Sales B 4 North 4th Street B Richmond, VA 23219 (Contract 816-Massey)	Consolidation Coal Co. 1000 Consol Energy Dr. Canonsburg, PA 15317- 6505	Alpha Coal Sales 4 North 4th Street Richmond, VA 23219 (Contract 818-Massey)	James River Coal Sales 1524 Frederica St. Owensboro, KY 42301

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

(k)	Current Price Paid for Coal (i&j)	\$40.67096/Ton	\$53.0222/Ton	\$47.57052/Ton	PS Pa
(9)	Total Amt. of Price Escalations to Date	\$1.92096/Ton	\$7.5724/Ton	\$1.39004/Ton	\$1.30368/Ton
(i)	Base Price \$/Ton	\$38.75	\$45.4498	\$46.18048	\$42.2016
(h)	% of Annual Requirements Received	80% 106% 100%	%86 %96	123% 84%	70%
(g) Actual Annual	Tonnage Rec'd Since Inception of Contract Through 07/12	150,000—2010—119,964.00 300,000—2011—318,464.00 0—2012— 16,127.00	192,000—2011—173,307.00 192,000—2012—188,885.00	120,000—2011—148,103.00 210,000—2012—176,777.00	70,000—2012— 49,029.00
(j)	Annual Tonnage Required Through	150,000—20 300,000—20 0—20	180,000—20 192,000—2	120,000—2 210,000—2 <sup>3</sup>	70,000—2
(e)	Revisions or Amendments	Letter 05/05/11 Letter 05/06/11 Letter 01/09/12	Letter 01/03/11 Letter 04/12/12	Letter 12/15/10 Letter 01/11/11 Letter 03/24/11 Letter 09/13/11 Letter 09/22/11 Letter 09/22/11 Letter 10/06/11 Letter 10/17/11 Letter 10/17/11 Letter 06/12/12 Letter 07/31/12	I
(p)	Duration of Contract	1 ½ Yrs.	3 Yrs.	6 Yrs.	3 Yrs.
(၁)	Contract Date	06/21/10	07/07/10	09/13/10	07/07/11
(q)	Production Facility	ued) Highland Mine Henderson, KY	Somerville Mine Oakland City, IN	American Coal Corp. Saline, IL	Armstrong Coal Ohio, KY
(a)	Supplier	Spurlock Station (Continued) Peabody COALSALES H 701 Market St. St. Louis, MO 63101 (Contract No. 512)	Peabody COALSALES 701 Market St. St. Louis, MO 63101 (Contract No. 514)	American Energy Corp. 43521 Mayhugh Hill Rd. Beallsville, OH 43716	Armstrong Coal Co., Inc. Suite 1000 7701 Forsyth Blvd. St. Louis, MO 63105 (Contract No. 520)

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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 2012. East Kentucky ranked 7<sup>th</sup> on a delivered basis for April 2012. Please see the table on page 2 of this response.

PSC Request 9
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Year/Month	Name	Delivered Fuel Price Cents/mmBtu
I CHI/III CHI		
2012-04	Duke Energy Ohio	208.99
2012-04	Allegheny Energy Supply	222.74
2012-04	Kentucky Utilities	232.49
2012-04	Louisville Gas & Electric	233.25
2012-04	Hoosier Energy REC	249.28
2012-04	Tennessee Valley Authority	255.01
2012-04	East Kentucky Power Coop	262.63
2012-04	Dayton Power & Light	268.27
2012-04	Appalachian Power	277.46
2012-04	Consumers Energy	297.15
2012-04	Southern Indiana Gas & Elec	322.87
2012-04	Virginia Electric & Power	328.93
2012-04	Kentucky Power	331.96
2012-04	Georgia Power	343.49
2012-04	Progress Energy Carolinas	383.77
2012-04	Duke Energy Carolinas	386.79
2012-04	S. Mississippi Electric Power	419.29
2012-04	South Carolina Generating	419.79
2012-04	S. Carolina Electric & Gas	440.42

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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 = 4%;
- b. Truck = 15%;
- c. Barge = 81%

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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, 2012. Provide this information by generating station and in the aggregate.

Response 11a. East Kentucky's coal inventory level as of April 30, 2012, was 976,622 tons—44 days' supply. By power station the levels are as follows:

	<u>Tons</u>	<u>Days</u>
Dale	63,470	26
Cooper	204,696	56
Spurlock	708,456	44

**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, 2012 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, 2012, exceeded its target range of 25-40 days' supply by four days. The Dale Power Station inventory was within its target range of 25-40 days' supply. The Cooper Power Station inventory exceeded its target range of 25-40 days' supply by 16 days. The Spurlock Power Station inventory was higher than its range of 25-40 days' supply by four 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 Cooper Power Station inventory exceeded its target by 16 days. The reason for this exceedance was that East Kentucky was purchasing and stockpiling high sulfur coal at Cooper Power Station to be used for testing the newly installed air quality control system on Unit No. 2 at Cooper Power Station.

- 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.

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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, 2011 through April 30, 2012.

- 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).

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 13

RESPONSIBLE PARTY: Ann F. Wood

Request 13. a. State whether East Kentucky has received any customer complaints regarding its FAC during the period from November 1, 2011 through April 30, 2012.

- 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, 2011 to April 30, 2012.

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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 a 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 14 (b)(5) above. The bankruptcy stayed 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.

# PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 15

RESPONSIBLE PARTY: Ernest W. Huff

**Request 15.** a. During the period from November 1, 2011 through April 30, 2012, have there been any changes to East Kentucky's written policies and procedures regarding its fuel procurement?

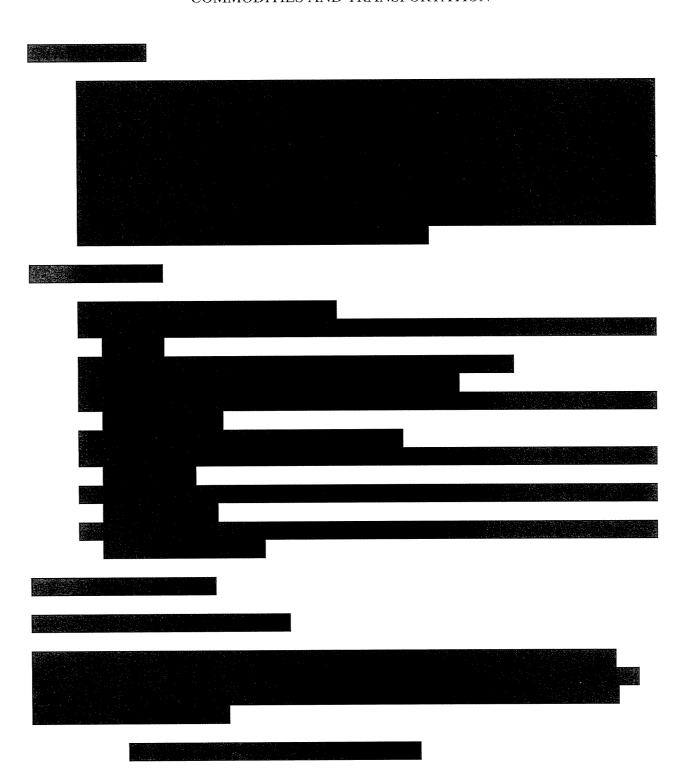
- b. If yes:
  - (I) Describe the changes;
  - (2) Provide the written policies and procedures as changed;
  - (3) State the date(s) the changes were made; and
  - (4) Explain why the changes were made.
- c. If no, provide the date East Kentucky's current fuel procurement policies and procedures were last changed, when they were last provided to the Commission, and identify the proceeding in which they were provided.

Response 15a-c. No, East Kentucky has not made any changes to its written policies and procedures regarding fuel procurement during the period from November 1, 2011 through April 30, 2012. However, on June 11, 2012, the East Kentucky Board of Directors updated Policy No. 404, Transaction Authority Limits for Energy and Energy Related Commodities and Transportation. A copy of this policy is provided on pages 2 through 18 of this response.

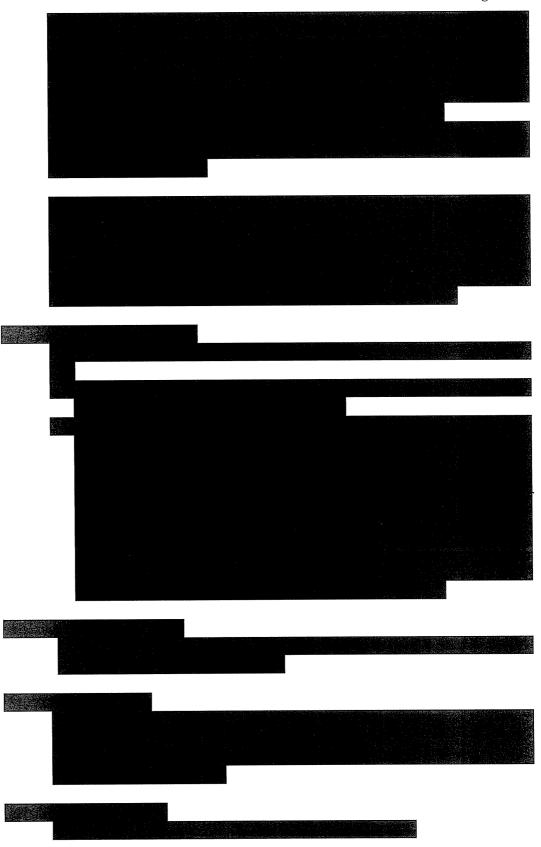
POLICY NO. 404

JANUARY 4, 2011

## TRANSACTION AUTHORITY LIMITS FOR ENERGY AND ENERGY RELATED COMMODITIES AND TRANSPORTATION



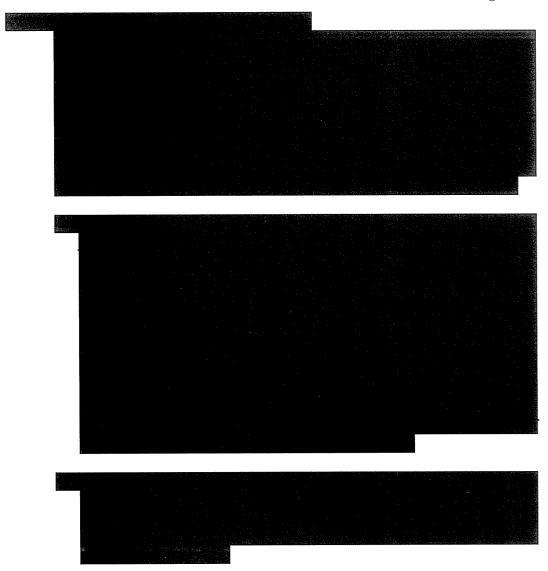
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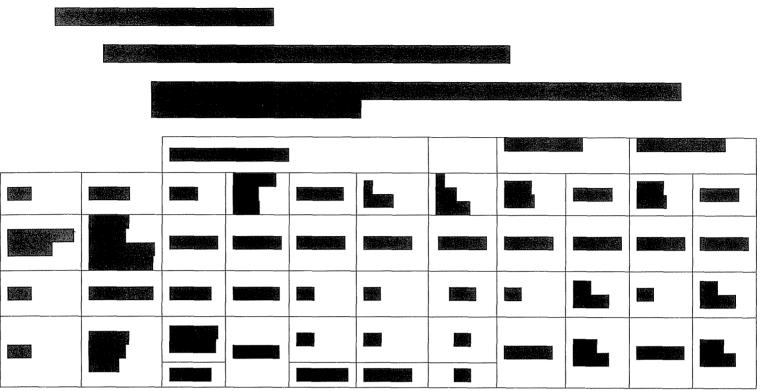
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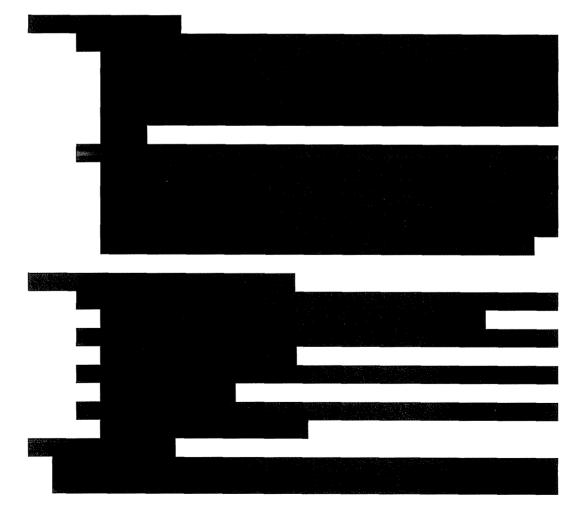


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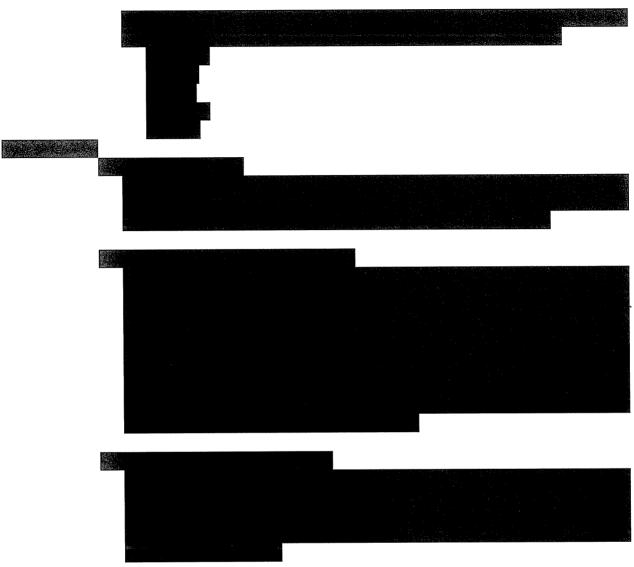


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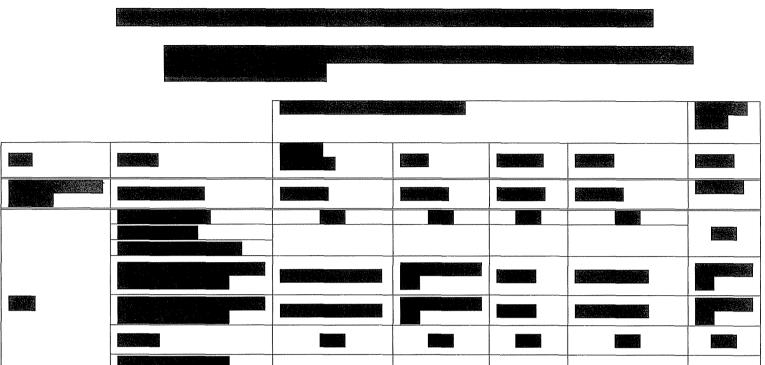


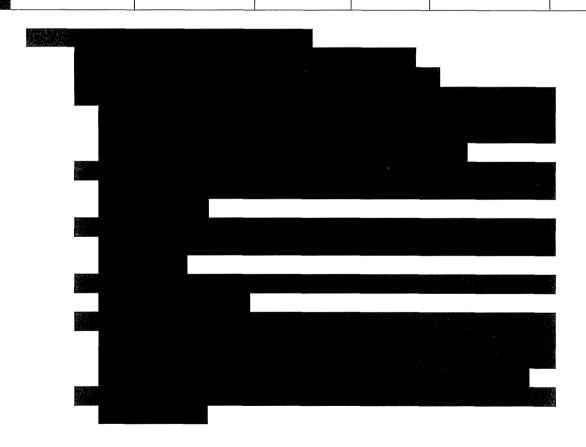


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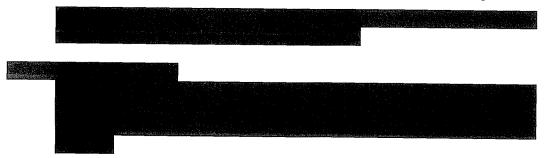
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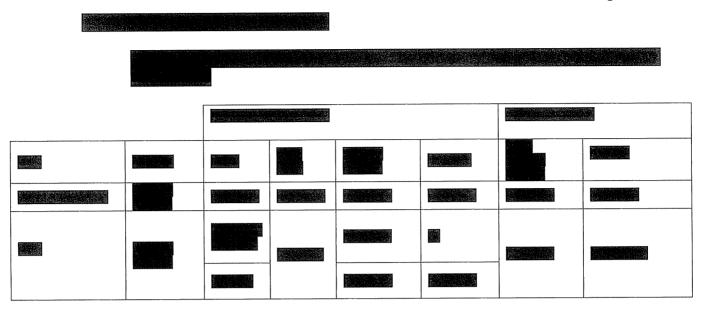
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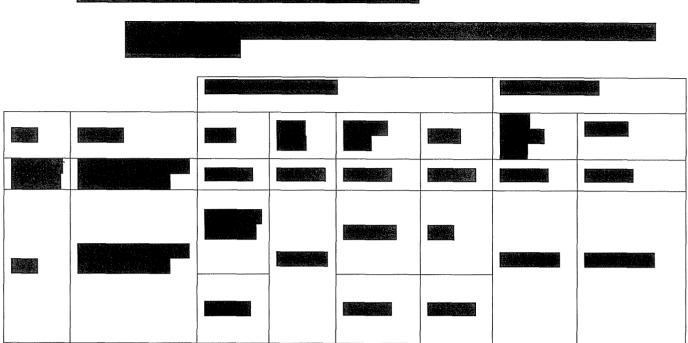
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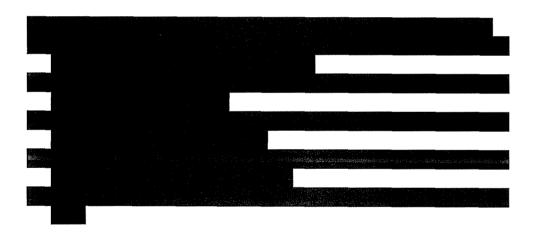




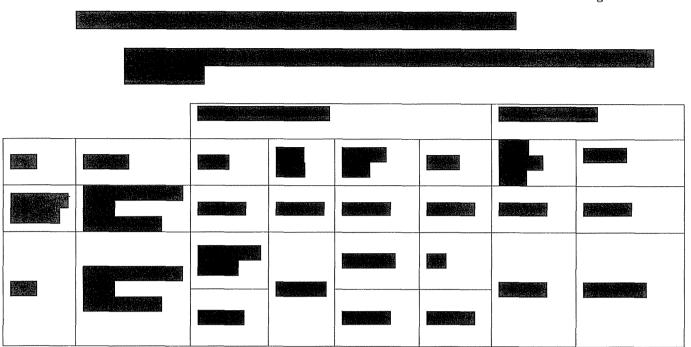
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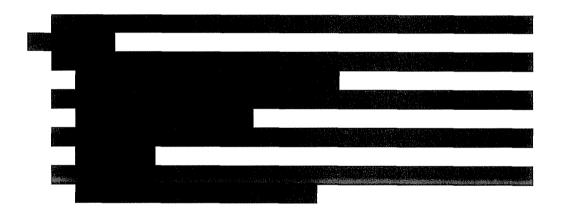




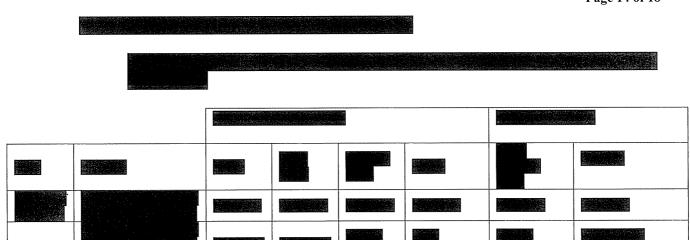


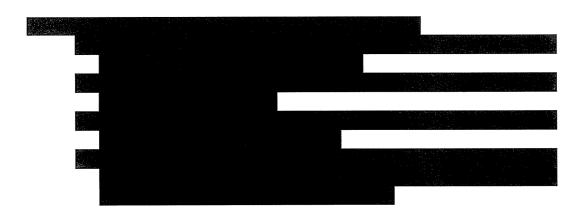
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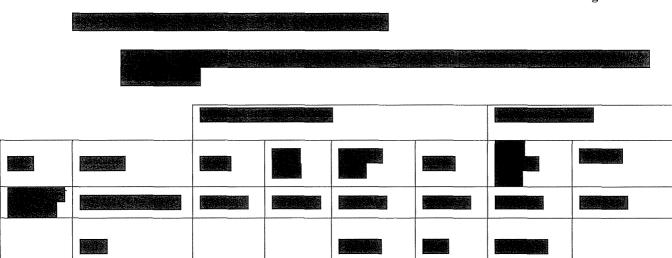


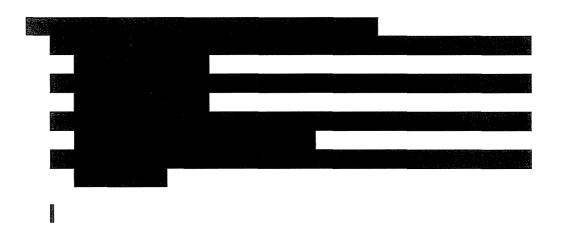
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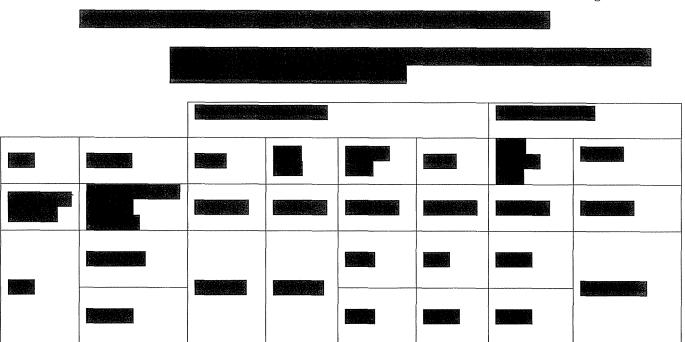


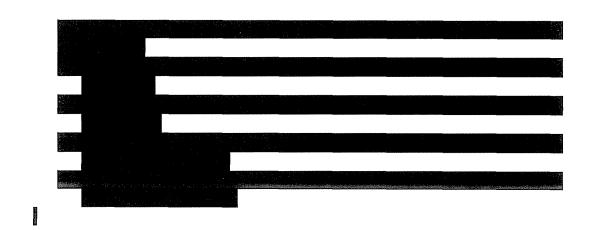
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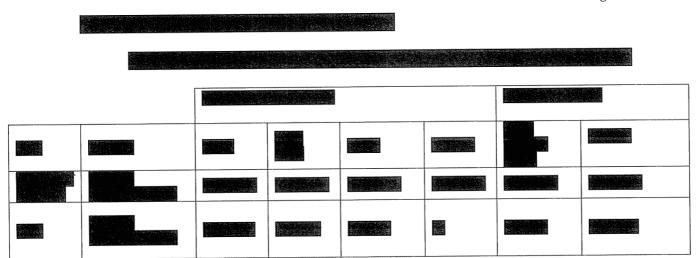


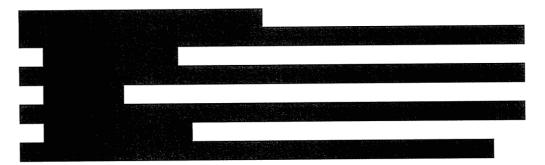
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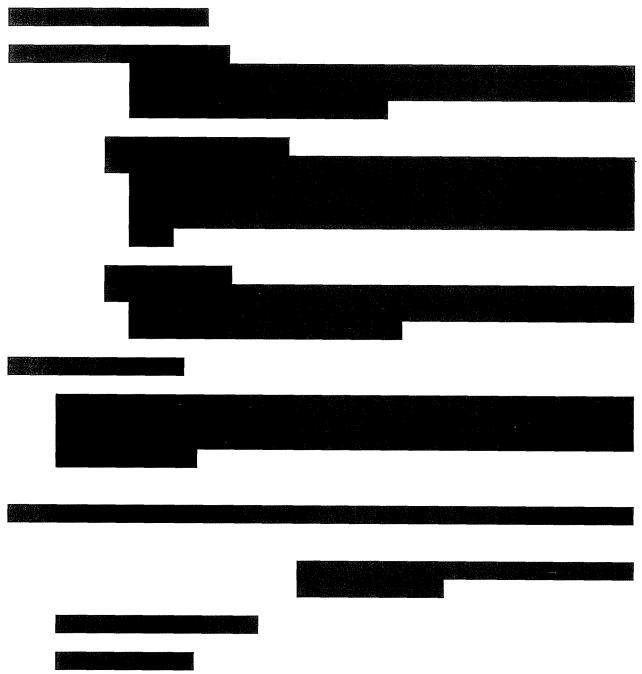


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## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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, 2011 through April 30, 2012.

- 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.

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## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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, 2011 through April 30, 2012.

Response 17. East Kentucky did not make any changes to its organizational structure relating to fuel procurement during the period from November 1, 2011 through April 30, 2012.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 18

RESPONSIBLE PARTY: Craig A. Johnson

- Request 18. a. 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.
- b. Describe the impact of these changes on East Kentucky's fuel usage.
- Response 18. a. EKPC did not make any changes to its maintenance and operation practices during the period under review that would affect fuel usage.
- b. This is not applicable. Please see the response to Request 18a.



## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 19

**RESPONSIBLE PARTY:** Ernest W. Huff

Request 19. List each written coal supply solicitation issued during the period from November 1, 2011 through April 30, 2012.

- 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 of this response.

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

## RESPONSE TO PSC ORDER DATED 08/22/11

Tabulation	Sileet	No Coal Purchased
Number of	vendors Kespond	10
Number of	vendors sent	79
Ē	Time Period	01/01/12—12/31/12
:	Quality	10# SO <sub>2</sub> /MMBtu <30% Ash
Quantity	(Lons)	10,000
į	Contract/Spot	Spot
	Date	11/11/11
	Unit	Gilbert & Spurlock 4

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 20

RESPONSIBLE PARTY: Ernest W. Huff

Request 20. List each oral coal supply solicitation issued during the period from November 1, 2011 through April 30, 2012.

- 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.

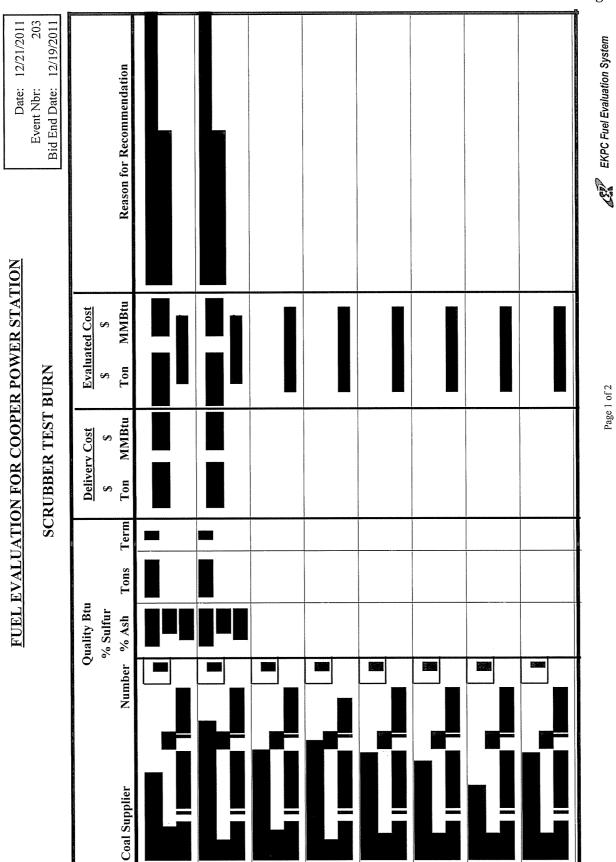
**Response 20a-b.** Please see pages 2 through 4 of this response.

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.

# PSC FUEL ADJUSTMENT CLAUSE CASE NO. 2012-00319

## RESPONSE TO PSC ORDER DATED 08/22/11

Tabulation Sheet	Pages 3-4	Economy Purchase No Tabulation
Number of Vendors Contacted	10	_
Time Period	01/01/12—06/30/12	12/09/11—12/31/11
Quality	6.0# SO <sub>2</sub> /MMBtu <12% Ash >11,500 Btu	7.2# SO <sub>2</sub> /MMBtu <15% Ash >11,000 Btu
Quantity (Tons)	100,000	15,500
Reason	Immediate Response Required	Immediate Response Required
Date	12/21/11	12/08/11
Unit	Cooper	Spurlock 1&2



				 rage 4
12/21/	Event Nbr: 203 Bid End Date: 12/19/2011	Reason for Recommendation		
LION				
FUEL EVALUATION FOR COOPER POWER STATION	BURN	Evaluated Cost  \$ \$ \$ Ton MMBtu		
N FOR COOPE	SCRUBBER TEST BURN	Delivery Cost  \$ \$ Ton MMBtu		
JATIO	SCF	Term		Jago -
VALL		Tons		
FUEL F		Quality Btu % Sulfur . % Ash		
		Q Number		
		Coal Sumplier		

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

## COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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. Please see page 2 to this response.
- b. (1) For each transaction, the cost of fuel recognizes the line loss factor provided in each party's OATT and EKPC's transmission system losses.
- (2) The OATT line loss factor for third party transactions is shown below:

### TVA 3%

Additionally, EKPC used a line loss factor of 1.53% in November, 5.23% in December, 3.59% in January, 5.32% in February, 4.30% in March, and 4.16% in April.

## East Kentucky Power Cooperative Intersystem Sales Transactions that Use a Third Party Transmission System November 2011-April 2012

		Power	MWh
a.	Date	Sold To	Sold
	12/28/11	PJM	75
	12/31/11	PJM	48
	01/09/12	PJM	48
	02/01/12	PJM	300

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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, 2011 to April 30, 2012.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 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 August 27, 2012, is down 5.5 percent, year to date, from 2011. United States coal burn for generation was down 17.4 percent, year to date, through July 2012. Retirement of coal plants will continue to reduce demand for coal. 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 visible evidence of this today.

## PSC CASE NO. 2012-00319 FUEL ADJUSTMENT CLAUSE RESPONSE TO INFORMATION REQUEST

COMMISSION STAFF'S INFORMATION REQUEST DATED 08/22/12 REQUEST 26

RESPONSIBLE PARTY: Ernest W. Huff/Ann F. Wood

Refer to the Fuel Inventory Schedules filed by East Kentucky for the months of March and April 2012 as part of its FAC supplemental file. For March and April 2012, these schedules show that East Kentucky recorded tire-derived fuel of \$18,760.05 and \$924.75, respectively, as coal burned in its FAC calculation.

a. Provide a definition of tire-derived fuel.

Response 26a. Tire-derived fuel ("TDF") is produced by removal of scrap tires from vehicles, collected under established programs, then processed by removal of steel belts and wire and shredded or chipped.

TDF is characterized as a high energy, consistent, low sulfur, low ash, economical fuel.

Request 26b. Explain why East Kentucky recorded tire-derived fuel as coal burned fuel.

Response 26b. Because Spurlock Power Station's Gilbert Unit, a circulating fluidized bed (CFB) generating unit, utilizes TDF as a fuel co-fired with coal, East Kentucky grouped the TDF burned with coal burned for FAC reporting purposes.

TDF has been shown to be economically competitive with the type of coal used in this unit.

**Request 26c.** Explain how tire-derived fuel qualifies as "fossil fuel" as used in 807 KAR 5:056.

Response 26c. East Kentucky acknowledges that TDF is not a fossil fuel. On December 1, 2011, East Kentucky requested a staff opinion on whether or not the use of alternative fuels is eligible for cost recovery through the fuel adjustment clause ("FAC") mechanism. East Kentucky's CFB units are designed to burn alternative fuels, and East Kentucky desires to use these alternative fuels, which includes TDF, when economic to do so. As stated in East Kentucky's staff opinion request, when the FAC was instituted in 1982, alternative fuels were not commonly used. On January 27, 2012, the Commission issued PSC Staff Opinion 2012-005, which indicated that the recovery of the cost of alternative fuels through the FAC mechanism was an issue of first impression for the Commission. As a result, Commission Staff was unable to provide an advisory opinion. This staff opinion provided two avenues for East Kentucky to pursue. The first was the option for East Kentucky to file an application requesting a declaratory order by the Commission. The second option was for East Kentucky to incur the cost of alternative fuels, include the cost in its FAC, and have the issue reviewed in the course of the FAC reviews. East Kentucky has elected to pursue the second alternative. For reference purposes, a copy of East Kentucky's Request for a Staff Opinion is provided on pages 5 through 6 of this response and a copy of the PSC Staff Opinion is provided on pages 7 through 8 of this response.

**Request 26d.** At which units was the tire-derived fuel burned?

**Response 26d.** TDF was burned at Spurlock Power Station's Gilbert Unit.

**Request 26e.** What is the maximum amount of tire-derived fuel that can be burned at these units?

Response 26e. Under the current Gilbert Unit Title V air permitting, TDF up to 10 percent by weight can be co-fired with coal. In 2011, Spurlock Power Station Gilbert Unit burned approximately 775,000 tons of coal.

Request 26f. Compare the cost of burning tire-derived fuel and burning coal. Include in your response the cost of transportation and explain how the tire-derived fuel was delivered.

Response 26f. Year-to-date (through July 31, 2012) the CFB coal price was \$2.34/MMBtu delivered; TDF was \$1.40-1.80/MMBtu delivered. TDF is delivered by truck.

Request 26g. Provide the cost per ton and cost per MMBtu of the tire-derived fuel.

Response 26g. TDF was supplied to the Gilbert Unit at a cost of \$45 per ton (\$1.61/MMBtu).

**Request 26h.** Provide a comparison of the environmental effect of burning tire-derived fuel with that of burning coal.

Response 26h. The following is sourced from an April 2005 US EPA document which is provided for reference purposes on page 9 of this response.

The Environmental Protection Agency (EPA) supports the highest and best practical use of scrap tires in accordance with the waste management hierarchy, in order of preference: reduce, reuse, recycle, waste-to-energy, and

disposal in an appropriate facility. Disposal of scrap tires in tire piles is not an acceptable management practice because of the risks posed by tire fires, and because tire piles can provide habitats for disease vectors, such as mosquitoes.

In 2003, more than 290 million scrap tires were generated in the U.S. Nearly 100 million of these tires were recycled into new products and 130 million were reused as tire-derived fuel (TDF) in various industrial facilities. TDF is one of several viable alternatives to prevent newly generated scrap tires from inappropriate disposal in tire piles, and for reducing or eliminating existing tire stockpiles.

Based on over 15 years of experience with more than 80 individual facilities, EPA recognizes that the use of tire-derived fuels is a viable alternative to the use of fossil fuels. EPA testing shows that TDF has a higher BTU value than coal. The Agency supports the responsible use of tires in portland cement kilns and other industrial facilities, so long as the candidate facilities: (1) have a tire storage and handling plan; (2) have secured a permit for all applicable state and federal environmental programs; and (3) are in compliance with all the requirements of that permit.

Request 26i. Comment on the price stability of tire-derived fuel.

Response 26i. To East Kentucky's knowledge, there is no reliable published source on TDF pricing. Based on East Kentucky's initial investigation of TDF pricing in 2006, and today's pricings, EKPC finds TDF pricing to be relatively stable and consistently priced at a 10-35 percent discount to coal prices. Approximately four million scrap tires are produced annually in Kentucky. Lack of Kentucky end-user markets will allow East Kentucky to establish a consistent price for this fuel.

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Mark David Goss

Member 859,244,3232 mgoss@fbtlaw.com

December 2, 2011

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

> Request for Staff Opinion relating to 807 KAR 5:056 Re:

Dear Mr. Derouen:

This letter is a request by East Kentucky Power Cooperative, Inc. ("EKPC") for a Public Service Commission Staff Opinion that, pursuant to KRS 278.030(1) and 807 KAR 5:056, the described below, is eligible for cost recovery through the fuel use of alternative fuels. adjustment clause mechanism.

The "necessity, function, and conformity" section of 807 KAR 5:056 describes the fuel adjustment clause mechanism by stating "electric utilities may immediately recover increases in fuel costs subject to later scrutiny by the Public Service Commission," This section of the regulation refers to "fuel", and not specifically "fossil fuel." However, the body of the regulation itself refers to "fossil fuel".

During 2005 and 2009, respectively, EKPC placed the Gilbert Unit and Spurlock Unit 4 into commercial operation. These units feature circulating fluidized bed ("CFB") technology that allows them to burn a wide range of fuel blends with the coal they already use; these blends include tire derived fuels ("TDF"), biomass, and switchgrass, and are typically 97% coal and 3% alternative fuel. Please note that the CFB units are permitted to burn up to a 10% blend of TDF by weight.

The use of alternative fuels benefits the environment, the coal industry, and EKPC's members. EKPC has recently updated its strategic plan. One of EKPC's strategic objectives is to use EKPC's assets to deliver reliable and affordable energy. Critical success factors to this objective include reducing environmental impacts through the use of economically viable renewable energy sources and pursuing prudent diversity in the fuel mix of the generation portfolio. EKPC's strategy dovetails Governor Beshear's energy strategy (use of renewable energy) for Kentucky. The Environmental Protection Agency ("EPA") recognizes the use of TDF as a viable alternative to fossil fuels.

Mr. Jeffrey Derouen December 2, 2011 Page 2

EKPC desires to use these alternative fuels or TDF when economic to do so, meaning the evaluated per-unit cost is less than or equal to the evaluated per-unit cost of fuel. Recently, the evaluated per-unit cost of TDF has been \$1.40-\$1.80/mmbtu, which is lower than EKPC's evaluated per-unit CFB stockpile cost of \$2.41/mmbtu.

When the fuel adjustment clause mechanism was instituted in 1982, alternative fuels such as TDF, biomass and switchgrass did not exist principally because the generation technology of the day did not support the combustion of such fuels on a commercial scale. Combustion technology has now advanced sufficiently to the point that the use of alternative fuels is widely accepted and, in fact, embraced by environmental groups, utilities and the regulatory agencies that oversee them. However, the inability of a utility to recover the cost of alternative fuels will surely act as a disincentive to their future use and also to the development of technology and processes to enhance and encourage their use in the future.

EKPC respectfully requests that the Commission issue a Staff Opinion authorizing the cost recovery of alternative fuels, when economic, through the fuel adjustment clause mechanism.

Sincerely,

Mark David Doos
Mark David Goss

PSC Request 26
Page 7 of 9

Steven L. Beshear Governor

Leonard K. Peters Secretary Energy and Environment Cabinet

Mark David Goss, Esquire Frost Brown Todd LLC

250 West Main Street. Suite 2800

Commonwealth of Kentucky
Public Service Commission
211 Sower Blvd.
P.O. Box 615
Frankfort, Kentucky 40602-0615
Telephone: (502) 564-3940
Fax: (502) 564-3460
psc.ky.gov

January 27, 2012

Tage / UI

David L. Armstrong Chairman

James W. Gardner Vice Chairman

Lexington, KY 40507-1749

PSC STAFF OPINION 2012-005

RE: Request for Staff Opinion Relating to 807 KAR 5:056

Dear Mr. Goss:

Commission Staff acknowledges receipt of your letter dated December 2, 2011, on behalf of East Kentucky Power Cooperative, Inc. ("EKPC"), in which you request an opinion confirming your position that the cost of alternative fuels are eligible for cost recovery through the fuel adjustment clause ("FAC") mechanism as governed by 807 KAR 5:056.

According to the letter, EKPC's Gilbert Unit and Spurlock Unit 4, both of which are circulating fluidized bed ("CFB") baseload coal-fired generating units, have the capability of burning a wide range of fuel blends with the coal they already use. The types of fuel blends include tire derived fuels ("TDF"), biomass, and switchgrass. The typical fuel blend consists of 97 percent coal and 3 percent alternative fuel. The CFB units are permitted to burn up to a 10 percent blend of TDF by weight.

Your letter points out the benefits of using alternative fuel sources to the environment, the coal industry, and to EKPC's members. Protecting the environment "through the use of economically viable renewable energy sources and pursuing prudent diversity in the fuel mix of the generation portfolio" is one method that EKPC endeavors to pursue in order to attain its strategic objective of delivering reliable and affordable energy. EKPC desires to utilize alternative fuels, particularly TDF, only when it is economic to do so, noting that the incentive to use such alternative fuels would decrease if it was unable to recover the cost of alternative fuels.

As also pointed out in your letter, the terms used in the preamble to the FAC regulation are broader and more encompassing than those used in the body of the regulation itself. While the preamble to the FAC regulation states that its purpose is to



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Mark David Goss, Esquire January 27, 2012 Page 2

allow for the recovery of increases in "fuel costs," Section 1(3)(a) of the regulation specifically references the recovery of costs for "fossil fuel" consumed in the utility's own plants, and there is no definition of "fossil fuel" in the governing regulation.

Whether the cost of alternative fuels can be recovered pursuant to the FAC mechanism is an issue of first impression for the Commission. In light of the fact that neither this particular issue, nor any similar issue relating to the types of fuels recoverable through the FAC has been previously addressed by the Commission, Commission Staff is unable to provide an advisory opinion. The best course of action is for EKPC to file an application for the issuance of a declaratory order by the Commission. Alternatively, EKPC could incur the cost of alternative fuel, include the cost in its FAC, and have the issue reviewed in the course of a periodic FAC review conducted pursuant to 807 KAR 5:056, Sections 1(11) and (12). Either of these alternatives would allow the issue to be fully vetted and explored by the Commission, EKPC and any and all potential stakeholders.

This letter represents Commission Staff's interpretation of the law as applied to the facts presented. This opinion is advisory in nature and not binding upon the Commission should the issues presented herein be formally presented for Commission resolution. Questions concerning this opinion should be directed to Quang D. Nguyen, Staff Attorney, at (502) 564-3940, extension 256.

Executive Director

QDN/kar





United States
Environmental Protection
Agency

April 2005 EPA530-F-05-006 www.epa.gov/osw

## Tire-Derived Fuel (TDF)

The Environmental Protection Agency (EPA) supports the highest and best practical use of scrap tires in accordance with the waste management hierarchy, in order of preference: reduce, reuse, recycle, waste-to-energy, and disposal in an appropriate facility. Disposal of scrap tires in tire piles is not an acceptable management practice because of the risks posed by tire fires, and because tire piles can provide habitats for disease vectors, such as mosquitoes.

In 2003, more than 290 million scrap tires were generated in the U.S. Nearly 100 million of these tires were recycled into new products and 130 million were reused as tire-derived fuel (TDF) in various industrial facilities. TDF is one of several viable alternatives to prevent newly generated scrap tires from inappropriate disposal in tire piles, and for reducing or eliminating existing tire stockpiles.

Based on over 15 years of experience with more than 80 individual facilities, EPA recognizes that the use of tire-derived fuels is a viable alternative to the use of fossil fuels. EPA testing shows that TDF has a higher BTU value than coal. The Agency supports the responsible use of tires in portland cement kilns and other industrial facilities, so long as the candidate facilities: (1) have a tire storage and handling plan; (2) have secured a permit for all applicable state and federal environmental programs; and (3) are in compliance with all the requirements of that permit.

More information on the use of TDF in kilns and boilers is available on EPA's scrap tire web site at: <a href="http://www.epa.gov/epaoswer/osw/non-hw/muncpl/tires.htm">http://www.epa.gov/epaoswer/osw/non-hw/muncpl/tires.htm</a>. The web site also contains links to other EPA, state, and industry information on the use of TDF.