

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

In the Matter of:

**AN EXAMINATION OF THE APPLICATION OF THE)
FUEL ADJUSTMENT CLAUSE OF LOUISVILLE GAS) CASE NO.
AND ELECTRIC COMPANY FROM NOVEMBER 1, 2014) 2015-00235
THROUGH APRIL 30, 2015)**

**RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
TO
INFORMATION REQUESTED IN
APPENDIX OF COMMISSION'S ORDER
DATED AUGUST 14, 2015**

FILED: AUGUST 28, 2015

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Robert M. Conroy**, being duly sworn, deposes and says that he is Director - Rates for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Robert M. Conroy

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of August 2015.

 (SEAL)

Notary Public

My Commission Expires:

JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Mike Dotson**, being duly sworn, deposes and says that he is Manager - LG&E and KU Fuels for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Mike Dotson

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of August 2015.

 (SEAL)

Notary Public

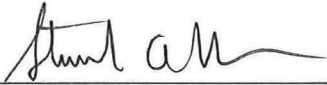
My Commission Expires:

JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

VERIFICATION


COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Stuart A. Wilson**, being duly sworn, deposes and says that he is Manager — Generation Planning for LG&E and KU Services Company, and that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge and belief.



Stuart A. Wilson

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of August 2015.

 (SEAL)

Notary Public

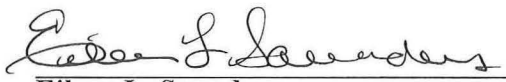
My Commission Expires:

JUDY SCHOOLER
Notary Public, State at Large, KY
My commission expires July 11, 2018
Notary ID # 512743

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Eileen L. Saunders**, being duly sworn, deposes and says that she is Director, Generation Services for LG&E and KU Services Company, and that she has personal knowledge of the matters set forth in the responses for which she is identified as the witness, and the answers contained therein are true and correct to the best of her information, knowledge and belief.



Eileen L. Saunders

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 28th day of August 2015.

 (SEAL)

Notary Public

My Commission Expires:
JUDY SCHOOLER
Notary Public, State at Large, KY
~~My commission expires July 11, 2018~~
Notary ID # 512743

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 1

Witness: Mike Dotson

Q-1. For the period from November 1, 2014, through April 30, 2015, list each vendor from whom coal was purchased and the quantities and the 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.

A-1. The contracts have been filed with the Commission.

<u>PURCHASE VENDOR</u>	<u>PURCHASE TONNAGE</u>	<u>TYPE</u>
Alliance – J09002	681,420	Contract
Alliance – J12007	1,474,658	Contract
Alliance – J13004B	88,777	Contract
Alliance – J14011B	17,442	Contract
Alliance – J14042	15,699	Spot
Armstrong Coal – J07032	161,694	Contract
Armstrong Coal – J12004	379,216	Contract
Armstrong Coal – J14004	164,159	Contract
Armstrong Coal – J14010	25,619	Contract
Foresight – J12005	254,098	Contract
Patriot Coal Company – J13004	47,737	Contract
Peabody Coal Sales – J12011	27,062	Contract
Rhino – J14001	28,026	Contract
The American Coal Co. – J14002	201,746	Spot
The American Coal Co. – J14043	6,476	Spot
Vitol – J14048	6,473	Spot
White Oak Resources – J14003	<u>108,719</u>	Contract
TOTAL	3,689,021	
	3,458,627	94% Contract
	<u>230,394</u>	6% Spot
	3,689,021	

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 2

Witness: Robert M. Conroy

- Q-2. For the period from November 1, 2014, through April 30, 2015, 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.
- A-2. Please see the attachment for the list of vendors, associated quantities, and the nature of the natural gas purchases. Natural gas purchases (other than purchases made pursuant to the Special Contract referenced below) are purchased solely on an 'as-needed, spot market basis. LG&E/KU (jointly) has executed Master Agreements with various natural gas suppliers that provide a contractual framework for potential spot purchase transactions. These Master Agreements include no specific price, volume, delivery period or location information and therefore do not form a purchase transaction. As such, these Master Agreements have not been filed with the Commission. These Master Agreements enable spot purchases to occur as needed.

Purchases from Louisville Gas and Electric Company are primarily for LG&E-owned coal and gas fired generation and are made in accordance with a Special Contract under 807 KAR 5:011 Section 13.¹ Additionally, purchases from Columbia Gas are for KU-owned generation served by the local distribution company.

¹ The Special Contract for Firm Gas Sales and Firm Transportation Service dated April 9, 2014 and effective September 1, 2014, between Louisville Gas and Electric Company, on behalf of its Gas Distribution Business, and Louisville Gas and Electric Company and Kentucky Utilities Company, on behalf of their Electric Generation Business, was filed with the Kentucky Public Service Commission on June 12, 2014.

LG&E and KU have joint ownership in the following combustion turbine units:

Station	Units	LG&E Ownership	KU Ownership
Trimble County	5 and 6	29%	71%
Trimble County	7, 8, 9 and 10	37%	63%
Brown	5	53%	47%
Paddy's Run	13	53%	47%
Brown	6 and 7	38%	62%

Fuel expenses for actual commodity used and associated pipeline transport charges, if any, are allocated to the Companies based on their respective ownership percentages.

LGE / KU Natural Gas Purchases 11/1/2014 - 4/30/2015

Purchase Vendor	MMBTU	Type
Anadarko Trading	10,200	Spot
Atmos Energy	62,300	Spot
BP Energy	2,521,355	Spot
CIMA Energy	156,800	Spot
Columbia Gas of KY	51,620	Spot*
Colonial Energy	603,471	Spot
Conoco-Phillips	8,800	Spot
Direct Energy Business Market	134,600	Spot
DTE Energy	1,666,442	Spot
EDF Trading	71,300	Spot
Enbridge	9,400	Spot
JPMorgan Ventures	584,928	Spot
Laclede Energy	523,041	Spot
MacquarieCook Energy	1,166,800	Spot
NET	20,000	Spot
NJR Energy Services	1,470,978	Spot
Range Resources	50,500	Spot
Sequent Energy	2,684,235	Spot
Shell Energy NA	863,700	Spot
Southwestern Energy Srvcs	259,600	Spot
Tenaska Market Ventures	2,639,934	Spot
TVA	13,500	Spot
Twin Eagle Energy Resources	326,403	Spot
United Energy	30,400	Spot
Vitol Inc.	875,300	Spot
Tennessee Gas Pipeline	1,414	Imbalance Cashout
Louisville Gas and Electric	<u>252,291</u>	Special Contract*
Total Volume	<u><u>17,059,312</u></u>	

*-Local Distribution Company service, with no volume purchase commitments.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 3

Witness: Robert M. Conroy / Mike Dotson

- Q-3. State whether LG&E engages in hedging activities for its coal or natural gas purchases used for generation. If yes, describe the hedging activities in detail.
- A-3. LG&E does not engage in financial hedging activities for its coal purchases. LG&E does use physical hedging in contracting for coal. LG&E uses the following guidelines in utilization of coal under contract for the minimum projected requirement:

1 year out	95 – 100%
2 years out	80 – 90%
3 years out	40 – 90%
4 years out	30 - 70%
5 years out	10 - 50%
6 years out	0 - 30%

LG&E does not engage in hedging activities for natural gas purchases. However, with the commercial operation of Cane Run 7, a natural gas combined-cycle unit, the Companies' are developing a fuel procurement strategy that will balance the interplay of fuel procurement between coal and natural gas. Natural gas purchases may in the future include hedging activities.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 4

Witness: Stuart A. Wilson / Mike Dotson

Q-4. For each generating station or unit for which a separate coal pile is maintained, state, for the period from November 1, 2014, through April 30, 2015, 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.

A-4. The information requested from November 1, 2014 to April 30, 2015 is shown in the table below:

Plant	Coal Burn (Tons)	Coal Receipts (Tons)	Net MWh	Capacity Factor (Net MWh)/ (period hrs x MW rating)
Cane Run	503,062	452,122	992,984	40.6%
Mill Creek	1,707,676	1,633,911	3,960,785	61.5%
Trimble County HS	N/A	1,602,987	N/A	N/A
Trimble County PRB	N/A	302,913	N/A	N/A
Trimble County 1	834,816	N/A	1,783,217	80.4%
Trimble County 2	1,105,361	N/A	2,556,845	77.4%

Notes: 1 – Trimble County values reflect 100% of the unit. Trimble County 2 is owned by KU (60.75%), LG&E (14.25%), IMPA (12.88%), and IMEA (12.12%).
2 – The North American Electric Reliability Council Generation Availability Data System defines capacity factor as the value equal to the net MWh produced divided by the product of the hours in the period and the unit rating.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 5

Witness: Stuart A. Wilson

Q-5. List all firm power commitments for LG&E from November 1, 2014, through April 30, 2015, 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).

A-5. a. Firm Purchases

The firm purchases from Ohio Valley Electric Corporation (OVEC) for the review period are shown in the table below. LG&E purchased its participation ratio (5.63%) of the OVEC released capacity for the months in question:

Utility	Companies' LG&E Portion		Purpose
	Amt (MW)	(MW)	
OVEC (Nov 2014)	~ 135	~ 93	Baseload
OVEC (Dec 2014)	~ 155	~ 107	Baseload
OVEC (Jan 2015)	~ 158	~ 109	Baseload
OVEC (Feb 2015)	~ 154	~ 107	Baseload
OVEC (Mar 2015)	~ 126	~ 87	Baseload
OVEC (Apr 2015)	~ 110	~ 76	Baseload

b. Firm Sales

None.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 6

Witness: Robert M. Conroy

Q-6. Provide a monthly billing summary of sales to all electric utilities for the period November 1, 2014, through April 30, 2015.

A-6. See attached.



Month Ended: November-30-2014

Louisville Gas and Electric Company

Power Transaction Schedule

COMPANY	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
SALES						
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP	Economy	380,000	\$ 13,167.84	\$ 4,861.37	\$ 18,029.21
BROOKFIELD ENERGY MARKETING INC.	BROOK	Economy	95,000	\$ 2,425.37	\$ 895.41	\$ 3,320.78
CARGILL- ALLIANT, LLC	CARG	Economy	475,000	\$ 16,199.81	\$ 5,980.74	\$ 22,180.55
ETC ENDURE	ETC	Economy	47,000	\$ 1,996.92	\$ 737.24	\$ 2,734.16
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy	285,000	\$ 12,360.80	\$ 4,563.42	\$ 16,924.22
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	2,511,000	\$ 103,468.14	\$ 38,198.92	\$ 141,667.06
JP Morgan Ventures Energy Corporation	JPMORG	Economy	427,000	\$ 16,044.52	\$ 5,923.40	\$ 21,967.92
ILLINOIS POWER MARKETING COMPANY	IMBL	Economy	1,260,000	\$ 44,310.33	\$ 16,358.73	\$ 60,669.06
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	6,563,000	\$ 195,391.33	\$ 72,135.64	\$ 267,526.97
OHIO VALLEY ELECTRIC CORPORATION	OVEC	Economy	26,000	\$ 1,509.76	\$ 557.38	\$ 2,067.14
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	7,180,000	\$ 227,224.82	\$ 83,888.08	\$ 311,112.90
THE ENERGY AUTHORITY	TEA	Economy	1,933,000	\$ 72,890.68	\$ 26,910.17	\$ 99,800.85
TENASKA POWER SERVICES CO.	TPS	Economy	721,000	\$ 21,636.72	\$ 7,987.96	\$ 29,624.68
WESTAR ENERGY, INC.	WSTR	Economy	95,000	\$ 2,772.00	\$ 1,023.39	\$ 3,795.39
KENTUCKY UTILITIES COMPANY	KU	Economy	235,697,000	\$ 6,606,082.67	\$ 289.75	\$ 6,606,372.42
TOTAL SALES			257,695,000	\$ 7,337,481.71	\$ 270,311.60	\$ 7,607,793.31



Month Ended: December-31-2014

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
Sales						
BROOKFIELD ENERGY MARKETING INC.	BROOK	Economy		2,203.58	864.97	3,068.55
CARGILL- ALLIANT, LLC	CARG	Economy		13,546.05	5,317.16	18,863.21
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy		9,122.43	3,580.79	12,703.22
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy		16,830.69	6,606.45	23,437.14
ILLINOIS POWER MARKETING COMPANY	IMBL	Economy		30,781.71	12,082.58	42,864.29
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy		52,948.90	20,783.74	73,732.64
PJM INTERCONNECTION ASSOCIATION	PJM	Economy		110,175.58	43,246.63	153,422.21
TENASKA POWER SERVICES CO.	TPS	Economy		2,331.72	915.25	3,246.97
TENNESSEE VALLEY AUTHORITY	TVA	Economy		22,715.48	8,916.39	31,631.87
WESTAR ENERGY, INC.	WSTR	Economy		2,521.11	989.59	3,510.70
KENTUCKY UTILITIES COMPANY	KU	Economy		4,932,664.76	575.38	4,933,240.14
Total Sales			\$ -	\$ 5,195,842.01	\$ 103,878.93	\$ 5,299,720.94



Month Ended: January-31-2015

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)	
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)		
SALES							
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP	Economy		10,046.63	10,393.68	20,440.31	
BROOKFIELD ENERGY MARKETING INC.	BROOK	Economy		884.72	915.28	1,800.00	
CARGILL- ALLIANT, LLC	CARG	Economy	1,544,000	41,697.17	43,137.57	84,834.74	
ETC ENDURE	ETC	Economy	299,000	7,935.34	8,209.45	16,144.79	
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy	69,000	790.40	817.71	1,608.11	
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	174,000	3,410.25	3,528.04	6,938.29	
ILLINOIS POWER MARKETING COMPANY	IMBL	Economy	541,000	10,926.83	11,304.29	22,231.12	
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy	4,658,000	86,696.77	90,038.48	176,735.25	
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	16,898,000	439,999.69	455,199.09	895,198.78	
THE ENERGY AUTHORITY	TEA	Economy	4,213,000	231,680.66	239,683.90	471,364.56	
TENASKA POWER SERVICES CO.	TPS	Economy	460,000	9,865.67	10,206.46	20,072.13	
TENNESSEE VALLEY AUTHORITY	TVA	Economy	125,000	3,010.50	3,114.50	6,125.00	
WESTAR ENERGY, INC.	WSTR	Economy	199,000	3,914.25	4,049.46	7,963.71	
KENTUCKY UTILITIES COMPANY	KU	Economy	308,008,000	7,522,471.62	-	7,522,471.62	
Total Sales			337,637,000	\$ -	\$ 8,373,330.50	\$ 880,597.91	\$ 9,253,928.41



Month Ended: February-28-2015

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)	
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)		
Sales							
AMERICAN ELECTRIC POWER SERVICE CORP.	AEP Economy	73,000	\$	1,911.10	\$ 2,814.84	\$ 4,725.94	
BROOKFIELD ENERGY MARKETING INC.	BROOK Economy	294,000	\$	7,029.64	\$ 10,353.90	\$ 17,383.54	
CARGILL- ALLIANT, LLC	CARG Economy	6,022,000	\$	161,660.71	\$ 238,108.78	\$ 399,769.49	
ETC ENDURE	ETC Economy	1,505,000	\$	40,083.84	\$ 59,039.17	\$ 99,123.01	
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA Economy	242,000	\$	2,718.97	\$ 4,004.75	\$ 6,723.72	
INDIANA MUNICIPAL POWER AGENCY	IMPA Economy	308,000	\$	4,705.26	\$ 6,930.34	\$ 11,635.60	
ILLINOIS POWER MARKETING COMPANY	IMBL Economy	813,000	\$	13,270.89	\$ 19,546.59	\$ 32,817.48	
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO Economy	31,688,000	\$	767,216.99	\$ 1,130,027.86	\$ 1,897,244.85	
PJM INTERCONNECTION ASSOCIATION	PJM Economy	69,981,000	\$	2,046,498.18	\$ 3,014,271.01	\$ 5,060,769.19	
THE ENERGY AUTHORITY	TEA Economy	2,901,000	\$	67,414.34	\$ 99,294.07	\$ 166,708.41	
TENASKA POWER SERVICES CO.	TPS Economy	736,000	\$	14,473.00	\$ 21,317.17	\$ 35,790.17	
TENNESSEE VALLEY AUTHORITY	TVA Economy	931,000	\$	15,797.76	\$ 23,268.39	\$ 39,066.15	
KENTUCKY UTILITIES COMPANY	KU Economy	349,327,000	\$	8,454,269.83	\$ -	\$ 8,454,269.83	
Total Sales		464,821,000	\$	-	\$ 11,597,050.51	\$ 4,628,976.87	\$ 16,226,027.38



Month Ended: March-31-2015

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
<u>Sales</u>						
CARGILL- ALLIANT, LLC	CARG	Economy		\$ 22,598.50	\$ 17,010.54	\$ 39,609.04
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy		\$ 4,673.33	\$ 3,517.75	\$ 8,191.08
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy		\$ 13,036.65	\$ 9,813.07	\$ 22,849.72
ILLINOIS POWER MARKETING COMPANY	IMBL	Economy		\$ 11,957.80	\$ 9,000.98	\$ 20,958.78
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy		\$ 325,351.78	\$ 244,901.74	\$ 570,253.52
PJM INTERCONNECTION ASSOCIATION	PJM	Economy		\$ 590,309.73	\$ 444,343.30	\$ 1,034,653.03
THE ENERGY AUTHORITY	TEA	Economy		\$ 14,832.15	\$ 11,164.59	\$ 25,996.74
TENASKA POWER SERVICES CO.	TPS	Economy		\$ 2,044.67	\$ 1,539.08	\$ 3,583.75
TENNESSEE VALLEY AUTHORITY	TVA	Economy		\$ 9,807.70	\$ 7,382.54	\$ 17,190.24
WESTAR ENERGY, INC.	WSTR	Economy		\$ 1,141.08	\$ 858.92	\$ 2,000.00
KENTUCKY UTILITIES COMPANY	KU	Economy		\$ 5,835,856.69	\$ -	\$ 5,835,856.69
Total Sales			267,180,000	\$ -	\$ 6,831,610.08	\$ 7,581,142.59



Month Ended: April-30-2015

Louisville Gas and Electric Company

Power Transaction Schedule

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)	
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)		
Sales							
CARGILL- ALLIANT, LLC	CARG	Economy		1,214,000	\$ 35,646.94	\$ 12,022.69	\$ 47,669.63
ILLINOIS MUNICIPAL ELECTRIC AGENCY	IMEA	Economy		208,000	\$ 7,376.41	\$ 2,487.85	\$ 9,864.26
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy		392,000	\$ 11,263.60	\$ 5,798.89	\$ 17,062.49
ILLINOIS POWER MARKETING COMPANY	IMBL	Economy		417,000	\$ 13,167.93	\$ 4,441.17	\$ 17,609.10
MIDWEST INDEPENDENT TRANSMISSION SYSTEM OPERATOR, INC.	MISO	Economy		198,000	\$ 4,322.86	\$ (2,004.47)	\$ 2,318.39
PJM INTERCONNECTION ASSOCIATION	PJM	Economy		1,883,000	\$ 47,928.10	\$ 16,164.76	\$ 64,092.86
TENNESSEE VALLEY AUTHORITY	TVA	Economy		347,000	\$ 10,124.40	\$ 3,414.66	\$ 13,539.06
KENTUCKY UTILITIES COMPANY	KU	Economy		205,263,000	\$ 5,248,055.11	\$ 131.48	\$ 5,248,186.59
Total Sales				209,922,000	\$ -	\$ 42,457.03	\$ 5,420,342.38

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 7

Witness: Eileen Saunders

Q-7. List LG&E's scheduled, actual, and forced outages from November 1, 2014, through April 30, 2015.

A-7. See attached.

Louisville Gas & Electric Company
November 2014 through April 2015

Unit and Outage Type (F=Forced; S=Scheduled)	Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE	
	FROM	TO	FROM	TO	Scheduled	Actual*		
Cane Run Unit 4 - Coal - 155 MW	F		11/27/2014 2:07	11/28/2014 1:56		23:49	Second superheater	
In-service May 1962	S	11/28/2014 1:56	11/29/2014 3:43	11/28/2014 1:56	11/29/2014 3:43	25:47	25:47	Boiler sootblower maintenance
	S	1/1/2015 23:00	1/3/2015 15:03	1/1/2015 23:00	1/3/2015 15:03	40:03	40:03	Control valves
	F		1/4/2015 7:31	1/4/2015 21:31		14:00	Scrubber ID fan	
	S	1/10/2015 22:41	1/12/2015 1:42	1/10/2015 22:41	1/12/2015 1:42	27:01	27:01	Scrubber ID fan
	F		2/15/2015 1:04	2/15/2015 18:01		16:57	Switchyard equipment	
	F		4/3/2015 9:06	4/4/2015 6:08		21:02	Electrical Wiring	
	S	4/4/2015 6:08	4/5/2015 21:24	4/4/2015 6:08	4/5/2015 21:24	39:16	39:16	Boiler
	S	4/17/2015 23:04	4/19/2015 2:22	4/17/2015 23:04	4/19/2015 2:22	27:18	27:18	Waterwall tube leak
Cane Run Unit 5 - Coal - 168 MW	S	11/10/2014 12:05	11/13/2014 15:18	11/10/2014 12:05	11/13/2014 15:18	75:13	75:13	Mist eliminators
In-service May 1966	S	1/20/2015 11:58	1/24/2015 20:57	1/20/2015 11:58	1/24/2015 20:57	104:59	104:59	Mist eliminators
	S	1/28/2015 10:51	1/30/2015 23:59	1/28/2015 10:51	1/30/2015 23:59	61:08	61:08	Reaction tanks
	F		2/15/2015 1:05	2/15/2015 20:35		19:30	Switchyard equipment	
	F		3/17/2015 8:16	3/19/2015 14:06		53:50	Waterwall tube leak	
	F		3/19/2015 14:06	3/23/2015 14:19		96:13	Boiler	
	F		4/3/2015 8:41	4/4/2015 15:16		30:35	Electrical Wiring	
	F		4/5/2015 21:25	4/7/2015 10:16		36:51	Generator Exciter	
	F		4/14/2015 8:34	4/15/2015 4:09		19:35	Condenser tube leak	
	F		4/20/2015 6:57	4/21/2015 7:27		24:30	Economizer	

*Actual outage dates and hours of duration include scheduled and forced outages.

Louisville Gas & Electric Company
November 2014 through April 2015

Unit and Outage Type (F=Forced; S=Scheduled)	Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE	
	FROM	TO	FROM	TO	Scheduled	Actual*		
Cane Run Unit 6 - Coal - 240 MW	S	11/23/2014 0:35	11/25/2014 18:56	11/23/2014 0:35	11/25/2014 18:56	66:21	66:21	Scrubber inspetion
In-service May 1969	S	1/15/2015 11:23	1/22/2015 16:48	1/15/2015 11:23	1/22/2015 16:48	173:25	173:25	Bearings
	F			2/13/2015 10:49	2/14/2015 13:50		27:01	Deaerator
	F			2/23/2015 6:21	2/23/2015 20:56		14:35	Circuit breakers
	S	2/24/2015 11:25	2/25/2015 20:42	2/24/2015 11:25	2/25/2015 20:42	33:17	33:17	Condenser tube leak
	S	3/2/2015 10:16	3/4/2015 9:23	3/2/2015 10:16	3/4/2015 9:23	47:07	47:07	First reheater
	S	3/7/2015 22:07	3/31/2015 23:59	3/7/2015 22:07	3/31/2015 23:59	577:52	577:52	Switchyard
Mill Creek Unit 1 - Coal - 303 MW	S	11/22/2014 13:17	11/29/2014 9:04	11/22/2014 13:17	11/29/2014 9:04	163:47	163:47	Deaerator
In-service August 1972	S	12/20/2014 23:25	12/23/2014 0:49	12/20/2014 23:25	12/23/2014 0:49	49:24	49:24	Scrubber
	S	1/14/2015 23:46	1/16/2015 23:13	1/14/2015 23:46	1/16/2015 23:13	47:27	47:27	Deaerator
	S	2/7/2015 0:32	2/8/2015 10:15	2/7/2015 0:32	2/8/2015 10:15	33:43	33:43	Condenser tube leak
	S	3/21/2015 0:00	5/10/2015 15:00	3/23/2015 10:16	5/18/2015 0:00	1215:00	1333:44	Major overhaul
Mill Creek Unit 2 - Coal - 301 MW	F			11/30/2014 20:54	12/1/2014 12:58		16:04	Condenser tube leak
In-service July 1974	S	12/1/2014 12:58	12/4/2014 22:21	12/1/2014 12:58	12/4/2014 22:21	81:23	81:23	Scrubber expansion joints
	F			12/4/2014 22:21	12/5/2014 12:06		13:45	Boiler Water
	F			12/5/2014 15:19	12/7/2014 16:26		49:07	Condenser tube leak
	S	12/21/2014 1:01	12/22/2014 22:26	12/21/2014 1:01	12/22/2014 22:26	45:25	45:25	Scrubber
	F			12/22/2014 22:26	1/1/2015 0:00		217:34	Main transformer
	F			1/1/2015 0:00	1/5/2015 19:15		115:15	Main transformer
	F			1/5/2015 20:57	1/6/2015 8:19		11:22	Generator voltage control
	S	1/17/2015 10:27	1/19/2015 1:38	1/17/2015 10:27	1/19/2015 1:38	39:11	39:11	Hydrogen system
	S	3/7/2015 0:00	4/26/2015 15:00	3/7/2015 10:29	5/3/2015 20:30	1215:00	1378:01	Major overhaul
Mill Creek Unit 3 - Coal - 391 MW	S	12/14/2014 1:40	12/16/2014 0:31	12/14/2014 1:40	12/16/2014 0:31	46:51	46:51	Condenser tube leak
In-service August 1978	S	2/28/2015 10:27	3/3/2015 1:17	2/28/2015 10:27	3/3/2015 1:17	62:50	62:50	Condenser tube leak
	S	3/20/2015 15:14	3/22/2015 22:56	3/20/2015 15:14	3/22/2015 22:56	55:42	55:42	Chevron cleaning
	S	4/10/2015 23:39	4/12/2015 8:03	4/10/2015 23:39	4/12/2015 8:03	32:24	32:24	ID fans
Mill Creek Unit 4 - Coal - 477 MW	S	9/27/2014 0:00	12/7/2014 15:00	9/24/2014 23:47	12/2/2014 18:05	1719:00	1650:18	Major overhaul
In-service September 1982	S			12/2/2014 18:15	12/3/2014 10:13		15:58	Scrubber
	S	12/3/2014 17:46	12/4/2014 9:42	12/3/2014 17:46	12/4/2014 9:42	15:56	15:56	Bearings
	S	12/4/2014 17:07	12/6/2014 11:53	12/4/2014 17:07	12/6/2014 11:53	42:46	42:46	Generator balance
	F			12/10/2014 19:25	12/13/2014 22:03		74:38	Condenser tube leak
	F			12/16/2014 9:12	12/18/2014 11:49		50:37	Condenser tube leak
	F			1/16/2015 20:40	1/17/2015 3:02		6:22	Hydraulic system
	S	1/28/2015 11:26	1/31/2015 14:55	1/28/2015 11:26	1/31/2015 14:55	75:29	75:29	Baghouse systems
	S	3/13/2015 0:16	3/16/2015 15:44	3/13/2015 0:16	3/16/2015 15:44	87:28	87:28	Air Heater

*Actual outage dates and hours of duration include scheduled and forced outages.

Louisville Gas & Electric Company
November 2014 through April 2015

Unit and Outage Type (F=Forced; S=Scheduled)	Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE	
	FROM	TO	FROM	TO	Scheduled	Actual*		
Trimble County Unit 1 - Coal - 383 MW	F		11/1/2014 22:45	11/2/2014 12:03		13:18	Control valves	
In-service December 1990	F		11/17/2014 1:40	11/17/2014 15:28		13:48	ID fans	
75% ownership share of 511 MW	F		11/22/2014 5:09	11/22/2014 21:51		16:42	Boiler recirculation pumps	
	F		11/23/2014 4:19	11/24/2014 12:03		31:44	Burner	
	S	3/19/2015 0:29	3/23/2015 11:21	3/19/2015 0:29	3/23/2015 11:21	106:52	106:52	Air heater
Trimble County Unit 2 - Coal - 549 MW	F		12/6/2014 4:54	12/7/2014 16:55		36:01	Air heater	
In-service January 2011	F		12/7/2014 17:18	12/7/2014 23:47		6:29	Feedwater flow	
75% ownership share of 732 MW jointly owned with KU	F		12/17/2014 13:10	12/20/2014 16:29		75:19	Superheater	
	S	3/28/2015 0:00	4/19/2015 15:00	3/28/2015 3:04	4/20/2015 0:00	543:00	548:56	Boiler Repair
	S	4/20/2015 0:00	4/20/2015 16:43	4/20/2015 0:00	4/20/2015 16:43	16:43	16:43	Igniter issues
E. W. Brown Unit 5 - Gas CT - 112 MW	S	1/29/2015 15:00	2/2/2015 1:15	1/29/2015 15:00	2/2/2015 1:15	82:15	82:15	Gas fuel system
In-service June 2001	S	2/3/2015 15:20	2/5/2015 8:40	2/3/2015 15:20	2/5/2015 8:40	41:20	41:20	Gas fuel system
Jointly owned with KU	S	2/5/2015 14:04	2/6/2015 11:15	2/5/2015 14:04	2/6/2015 11:15	21:11	21:11	Gas fuel system
	S	2/6/2015 18:00	2/10/2015 6:36	2/6/2015 18:00	2/10/2015 6:36	84:36	84:36	Gas fuel system
	S	2/10/2015 6:36	2/10/2015 14:21	2/10/2015 6:36	2/10/2015 14:21	7:45	7:45	Fuse
	S	2/10/2015 14:21	2/11/2015 8:06	2/10/2015 14:21	2/11/2015 8:06	17:45	17:45	Gas fuel system
	S	2/11/2015 13:32	2/12/2015 16:15	2/11/2015 13:32	2/12/2015 16:15	26:43	26:43	Gas fuel system
	S	2/21/2015 3:33	2/22/2015 21:00	2/21/2015 3:33	2/22/2015 21:00	41:27	41:27	Gas fuel system
	S	2/25/2015 16:00	2/26/2015 18:38	2/25/2015 16:00	2/26/2015 18:38	26:38	26:38	Gas fuel system
	S	3/1/2015 5:30	3/2/2015 8:53	3/1/2015 5:30	3/2/2015 8:53	27:23	27:23	Gas fuel system
	S	3/3/2015 8:18	3/3/2015 15:53	3/3/2015 8:18	3/3/2015 15:53	7:35	7:35	Gas fuel system
	S	3/3/2015 15:53	3/5/2015 3:38	3/3/2015 15:53	3/5/2015 3:38	35:45	35:45	Gas fuel system
	S	3/9/2015 6:50	3/10/2015 5:58	3/9/2015 6:50	3/10/2015 5:58	23:08	23:08	Gas fuel system
	S	4/4/2015 0:00	4/12/2015 15:00	3/13/2015 6:00	3/20/2015 10:56	207:00	172:56	Major boiler overhaul
E. W. Brown Unit 6 - Gas CT - 146 MW	S	12/9/2014 6:50	12/9/2014 13:30	12/9/2014 6:50	12/9/2014 13:30	6:40	6:40	Fuel piping and valves
In-service August 1999	F		2/26/2015 19:51	2/27/2015 8:31		12:40	Combustor	
Jointly owned with KU	F		2/27/2015 8:48	2/27/2015 15:06		6:18	Combustor	
	S	4/30/2015 5:47	4/30/2015 14:36	4/30/2015 5:47	4/30/2015 14:36	8:49	8:49	Exhaust system

*Actual outage dates and hours of duration include scheduled and forced outages.

Louisville Gas & Electric Company
November 2014 through April 2015

Unit and Outage Type (F=Forced; S=Scheduled)	Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE
	FROM	TO	FROM	TO	Scheduled	Actual*	
E. W. Brown Unit 7 - Gas CT - 146 MW	F		1/5/2015 17:23	1/6/2015 6:48		13:25	Gas fuel system
In-service August 1999	S	1/16/2015 6:35	1/16/2015 6:35	1/16/2015 12:56	6:21	6:21	Fuel piping and valves
Jointly owned with KU							
Cane Run Unit 11 - Gas CT - 14 MW	F		2/16/2015 4:14	3/1/2015 11:28		319:14	Fuse
In-service June 1968							
Paddys Run Unit 11 - Gas CT - 12 MW	F		1/7/2015 4:00	1/8/2015 16:00		36:00	Gas fuel system (lack of gas pressure)
In-service June 1968	F		1/9/2015 16:00	1/10/2015 22:15		30:15	Gas fuel system (lack of gas pressure)
	F		2/12/2015 20:00	2/13/2015 10:00		14:00	Gas fuel system (lack of gas pressure)
	F		2/14/2015 20:00	2/21/2015 20:10		168:10	Gas fuel system (lack of gas pressure)
	F		2/22/2015 22:00	2/24/2015 12:00		38:00	Gas fuel system (lack of gas pressure)
	F		2/26/2015 22:00	2/28/2015 12:18		38:18	Gas fuel system (lack of gas pressure)
	F		3/5/2015 4:00	3/6/2015 16:08		36:08	Gas fuel system (lack of gas pressure)
Paddys Run Unit 12 - Gas CT - 23 MW	F		1/7/2015 4:00	1/8/2015 16:00		36:00	Gas fuel system (lack of gas pressure)
In-service July 1968	F		1/9/2015 16:00	1/10/2015 22:15		30:15	Gas fuel system (lack of gas pressure)
	F		2/12/2015 20:00	2/13/2015 10:00		14:00	Gas fuel system (lack of gas pressure)
	F		2/14/2015 20:00	2/21/2015 20:10		168:10	Gas fuel system (lack of gas pressure)
	F		2/22/2015 22:00	2/24/2015 12:00		38:00	Gas fuel system (lack of gas pressure)
	F		2/26/2015 22:00	2/28/2015 12:18		38:18	Gas fuel system (lack of gas pressure)
	F		3/5/2015 4:00	3/6/2015 16:08		36:08	Gas fuel system (lack of gas pressure)
	F		3/11/2015 14:15	3/12/2015 10:11		19:56	Combustor
Paddys Run Unit 13 - Gas CT - 147 MW	F		1/7/2015 4:00	1/8/2015 16:00		36:00	Gas fuel system (lack of gas pressure)
In-service June 2001	F		1/9/2015 16:00	1/10/2015 22:15		30:15	Gas fuel system (lack of gas pressure)
Jointly owned with KU	F		2/12/2015 20:00	2/13/2015 10:00		14:00	Gas fuel system (lack of gas pressure)
	F		2/14/2015 20:00	2/21/2015 0:00		148:00	Gas fuel system (lack of gas pressure)
	S	2/21/2015 0:00	3/1/2015 15:00	2/21/2015 0:00	207:00	354:11	Combustor
	S	4/21/2015 5:00	4/21/2015 13:22	4/21/2015 5:00	8:22	8:22	Gas fuel system (lack of gas pressure)
Trimble County Unit 5 - Gas CT - 157 MW		No outages > or = 6 hours					
In-service May 2002							
Jointly owned with KU							
Trimble County Unit 6 - Gas CT - 157 MW	F		2/6/2015 6:10	2/6/2015 13:13		7:03	Starting system
In-service May 2002	F		2/22/2015 23:55	2/23/2015 10:02		10:07	Combustor
Jointly owned with KU	F		2/23/2015 10:49	2/23/2015 17:01		6:12	Combustor
	S	2/25/2015 11:00	2/25/2015 22:58	2/25/2015 11:00	11:58	11:58	Gas fuel system
	S	3/4/2015 9:03	3/5/2015 5:43	3/4/2015 9:03	20:40	20:40	Fuel piping and valves
	S	3/13/2015 7:14	3/23/2015 3:06	3/13/2015 7:14	235:52	235:52	Fuel piping and valves
Trimble County Unit 7 - Gas CT - 157 MW	F		11/12/2014 20:23	11/13/2014 6:37		10:14	Hydrogen system
In-service June 2004	F		4/29/2015 4:45	4/29/2015 20:14		15:29	Starting system
Jointly owned with KU							

*Actual outage dates and hours of duration include scheduled and forced outages.

Louisville Gas & Electric Company
November 2014 through April 2015

Unit and Outage Type (F=Forced; S=Scheduled)	Scheduled		Actual*		HOURS OF DURATION		REASON FOR DEVIATION FROM SCHEDULED MAINTENANCE OR REASON FOR FORCED OUTAGE AS APPROPRIATE	
	FROM	TO	FROM	TO	Scheduled	Actual*		
Trimble County Unit 8 - Gas CT - 157 MW	F		12/13/2014 14:10	12/13/2014 21:42		7:32	Switchyard	
In-service June 2004	F		4/29/2015 4:45	4/29/2015 20:14		15:29	Starting system	
Jointly owned with KU								
Trimble County Unit 9 - Gas CT - 157 MW	S	12/13/2014 6:30	12/13/2014 18:00	12/13/2014 6:30	12/13/2014 18:00	11:30	11:30	Circuit breakers
In-service July 2004								
Jointly owned with KU								
Trimble County Unit 10 - Gas CT - 157 MW		No outages > or = 6 hours						
In-service July 2004								
Jointly owned with KU								
Zorn Unit 1 - Gas CT - 14 MW	S	11/6/2014 4:36	11/12/2014 15:35	11/6/2014 4:36	11/12/2014 15:35	154:59	154:59	Gas fuel system (gas line maintenance)
In-service May 1969								

*Actual outage dates and hours of duration include scheduled and forced outages.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 8

Witness: Mike Dotson

- Q-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)
- A-8. See attached sheets.

A. NAME/ADDRESS: Alliance Coal, LLC / J09002
1717 South Boulder Av., Suite 400
Tulsa, Oklahoma 74119-4886

B. PRODUCTION FACILITY:
OPERATOR River View Coal, LLC
MINE River View Mine
LOCATION Union County, Kentucky

C. CONTRACT EXECUTED DATE: November 10, 2008

D. CONTRACT DURATION: November 3, 2008 – December 31, 2015

E. CONTRACT AMENDMENTS: Amendment No. 1 dated May 1, 2010. Added barge fleeting demurrage charge to Section 5.2 Barge Delivery. Added Barge Shifting Fee to Base Price Section 8.1.

F. ANNUAL TONNAGE REQUIREMENTS:

2010	969,072 tons	
	(includes FM of 30,928 tons)	
2011	2,000,000 tons	
2012	2,000,000 tons	
2013	2,000,000 tons	
2014	2,000,000 tons	
2015	2,000,000 tons	

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2010	525,414 tons	443,658 tons
2011	1,177,540 tons	771,648 tons
2012	1,806,495 tons	204,987 tons
2013	1,612,443 tons	408,370 tons
2014	1,192,318 tons	769,694 tons
2015	450,671 tons	291,609 tons
	(through 4/30/15)	

H. PERCENT OF ANNUAL REQUIREMENTS:

2010	100%
2011	97%
2012	101%
2013	101%
2014	98%
2015	37% (through 4/30/15)

I. BASE PRICE (FOB Barge):	\$41.00 per ton
J. ESCALATIONS TO DATE:	\$14.36 per ton
K. CURRENT CONTRACT PRICE:	\$55.36 per ton

A. NAME/ADDRESS: Alliance Coal, LLC / J12007
1717 South Boulder Av., Suite 400
Tulsa, Oklahoma 74119-4886

B. PRODUCTION FACILITY:
OPERATOR Hopkins County Coal, Warrior Coal and Webster
County Coal
MINE Seller's Mines
LOCATION Western Kentucky

C. CONTRACT EXECUTED DATE: December 9, 2011

D. CONTRACT DURATION: January 1, 2012 – December 31, 2016

E. CONTRACT AMENDMENTS: Amendment No. 1, effective January 1, 2013.
Determine Base price for 2013 and 2014.
Amendment No. 2, effective January 1, 2014.
Determine Base price for 2014 and 2015.
Amendment No. 3, effective January 1, 2015
Determine Base price for 2015 and 2016
Amendment No. 4, effective January 1, 2016
Determine Base price for 2016

F. ANNUAL TONNAGE REQUIREMENTS:

2012	3,000,000 tons
2013	3,000,000 tons
2014	3,000,000 tons
2015	3,000,000 tons
2016	3,000,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2012	2,877,460 tons	14,326 tons
2013	3,065,353 tons	0 tons
2014	2,942,649 tons	60,536 tons
2015	986,587 tons	0 tons
	(through 4/30/15)	

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	96%
2013	102%
2014	100%
2015	33% (through 4/30/15)

I. BASE PRICE (FOB Railcar/Barge): 2012 - \$47.00 per ton FOB Railcar

2013 - \$48.00 per ton FOB Railcar
2014 - \$47.38 per ton FOB Railcar/Barge
2015 - \$47.13 per ton FOB Railcar/Warrior
2015 - \$46.88 per ton FOB Railcar/Dotiki
2016 - \$45.75 per ton FOB Railcar/Warrior
2016 - \$45.00 per ton FOB Railcar/Dotiki

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$47.13 per ton FOB Railcar/Warrior
\$46.88 per ton FOB Railcar/Dotiki

A. NAME/ADDRESS: Alliance Coal, LLC / J13004B
1717 South Boulder Av., Suite 400
Tulsa, Oklahoma 74119-4886

B. PRODUCTION FACILITY:
OPERATOR River View Coal, LLC
MINE River View Mine
LOCATION Union County, Kentucky

C. CONTRACT EXECUTED DATE: December 29, 2014

D. CONTRACT DURATION: January 1, 2015 – December 31, 2015

E. CONTRACT AMENDMENTS: Contract J13004 Assignment from Patriot Coal
Sales to Alliance Coal, LLC

F. ANNUAL TONNAGE REQUIREMENTS: 2015 315,209 tons

G. ACTUAL TONNAGE RECEIVED: LG&E KU
2015 69,716 tons 66,629 tons
(through 4/30/15)

H. PERCENT OF ANNUAL REQUIREMENTS: 2015 43% (through 4/30/15)

I. BASE PRICE (FOB Railcar/Barge): 2015 - \$49.75 per ton FOB Barge

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$49.75 per ton

A. NAME/ADDRESS: Alliance Coal, LLC / J14011B
1717 South Boulder Av., Suite 400
Tulsa, Oklahoma 74119-4886

B. PRODUCTION FACILITY:
OPERATOR River View Coal, LLC
MINE River View Mine
LOCATION Union County, Kentucky

C. CONTRACT EXECUTED DATE: December 29, 2014

D. CONTRACT DURATION: January 1, 2015 – December 31, 2015

E. CONTRACT AMENDMENTS: Contract J14011 Assignment from Patriot Coal
Sales to Alliance Coal, LLC

F. ANNUAL TONNAGE REQUIREMENTS: 2015 598,099 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2015	17,442 tons (through 4/30/15)	178,957 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2015 33% (through 4/30/15)

I. BASE PRICE (FOB Railcar/Barge): 2015 - \$43.75 per ton FOB Barge

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$43.75 per ton

A. NAME/ADDRESS: Armstrong Coal Company, Inc. / J07032
407 Brown Road
Madisonville, Kentucky 42431

B. PRODUCTION FACILITY:
OPERATOR Armstrong Coal Company, Inc
MINES Various
LOCATION Muhlenberg County and Ohio County,
Kentucky

C. CONTRACT EXECUTED DATE: December 20, 2007

D. CONTRACT DURATION: January 1, 2008 - December 31, 2016

E. CONTRACT AMENDMENTS: Amendment No. 1, effective July 1, 2008
amending base quantity and modifying
diesel fuel adjustment to include explosives.
Amendment No. 2, effective December 22, 2009
amending term, base quantity, price and
environmental force majeure.
Amendment No. 3, effective October 29, 2013
amending term, base quantity, price and payment.

F. ANNUAL TONNAGE REQUIREMENTS:

2008	600,000 tons
2009	2,200,000 tons
2010	1,800,000 tons
2011 through 2013	- 2,100,000 tons per year
2014 through 2016	- 1,000,000 tons per year
2017 through 2019	- 700,000 tons per year

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2008	511,414 tons	82,623 tons
2009	1,530,482 tons	632,077 tons
2010	1,180,206 tons	657,930 tons
2011	993,296 tons	877,219 tons
2012	904,254 tons	1,211,495 tons
2013	838,589 tons	1,431,403 tons
2014	346,954 tons	634,044 tons
2015	91,687 tons	120,300 tons
	(through 4/30/15)	

H. PERCENT OF ANNUAL
REQUIREMENTS:

2008	99%
2009	98%
2010	102%
2011	89%
2012	101%
2013	108%
2014	98%
2015	21% (through 4/30/15)

I. BASE PRICE (FOB Barge)

2008	Quality 1 - \$27.31 per ton Quality 2 - \$28.30 per ton
2009	Quality 1 - \$27.60 per ton Quality 2 - \$28.76 per ton
2010	Quality 1 - \$28.18 per ton Quality 2 - N/A
2011	Quality 1 - \$28.19 per ton Quality 2 - \$29.61 per ton
2012	Quality 1 - \$28.35 per ton Quality 2 - \$29.77 per ton
2013	Quality 1 - \$28.35 per ton Quality 2 - \$29.77 per ton
2014	Quality 1 - \$28.50 per ton Quality 2 - \$29.92 per ton
2015	Quality 1 - \$28.50 per ton Quality 2 - \$29.92 per ton
2016	Quality 1 - \$28.50 per ton Quality 2 - \$29.92 per ton
2017	Quality 1 - \$28.50 per ton Quality 2 - \$29.92 per ton
2018	Quality 1 - \$29.00 per ton Quality 2 - \$30.42 per ton
2019	Quality 1 - \$30.25 per ton Quality 2 - \$31.67 per ton

J. ESCALATIONS TO DATE:

None

I. CURRENT CONTRACT PRICE:

Quality 1 - \$28.50 per ton

A. NAME/ADDRESS:	Armstrong Coal Company, Inc. / J12004 407 Brown Road Madisonville, Kentucky 42431		
B. PRODUCTION FACILITY:			
OPERATOR	Armstrong Coal Company, Inc.		
MINES	Various		
LOCATION	Muhlenberg County and Ohio County, Kentucky		
C. CONTRACT EXECUTED DATE:	September 19, 2011		
D. CONTRACT DURATION:	January 1, 2012 - December 31, 2015		
E. CONTRACT AMENDMENTS:	Amendment No. 1, effective January 1, 2012 amending base quantity. Amendment No. 2, effective January 1, 2012 amending base quantity.		
F. ANNUAL TONNAGE REQUIREMENTS:	2012	355,873 tons	
	2013	500,000 tons	
	2014	1,000,000 tons	
	2015	1,000,000 tons	
G. ACTUAL TONNAGE: RECEIVED:			
		<u>LG&E</u>	
		<u>KU</u>	
	2012	351,344 tons	-
	2013	530,577 tons	-
	2014	488,729 tons	477,639 tons
	2015	256,926 tons	113,820 tons
		(through 4/30/15)	
H. PERCENT OF ANNUAL REQUIREMENTS:	2012	99%	
	2013	106%	
	2014	97%	
	2015	37% (through 4/30/15)	
I. BASE PRICE (FOB Railcar/Barge)	2012	\$45.00 per ton	
	2013	\$46.00 per ton	
	2014	\$48.00 per ton	
	2015	\$49.00 per ton	

J. ESCALATIONS TO DATE: -\$2.23 per ton

I. CURRENT CONTRACT PRICE: \$46.77 per ton

A. NAME/ADDRESS:	Armstrong Coal Company, Inc. / J14004 407 Brown Road Madisonville, Kentucky 42431																
B. PRODUCTION FACILITY:																	
OPERATOR	Armstrong Coal Company, Inc.																
MINES	Various																
LOCATION	Muhlenberg County and Ohio County, Kentucky																
C. CONTRACT EXECUTED DATE:	December 12, 2012																
D. CONTRACT DURATION:	January 1, 2013 - December 31, 2017																
E. CONTRACT AMENDMENTS:	Amendment No. 1, effective October 29, 2013 amending base quantity and price.																
F. ANNUAL TONNAGE REQUIREMENTS:	<table border="0"> <tr> <td>2014</td> <td>1,300,000 tons</td> </tr> <tr> <td>2015</td> <td>1,350,000 tons</td> </tr> <tr> <td>2016</td> <td>500,000 tons</td> </tr> <tr> <td>2017</td> <td>500,000 tons</td> </tr> </table>		2014	1,300,000 tons	2015	1,350,000 tons	2016	500,000 tons	2017	500,000 tons							
2014	1,300,000 tons																
2015	1,350,000 tons																
2016	500,000 tons																
2017	500,000 tons																
G. ACTUAL TONNAGE: RECEIVED:	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>LG&E</u></td> <td style="text-align: center;"><u>KU</u></td> </tr> <tr> <td>2014</td> <td>647,205 tons</td> <td>579,440 tons</td> </tr> <tr> <td>2015</td> <td>76,588 tons</td> <td>199,854 tons</td> </tr> <tr> <td></td> <td colspan="2">(through 4/30/15)</td> </tr> </table>			<u>LG&E</u>	<u>KU</u>	2014	647,205 tons	579,440 tons	2015	76,588 tons	199,854 tons		(through 4/30/15)				
	<u>LG&E</u>	<u>KU</u>															
2014	647,205 tons	579,440 tons															
2015	76,588 tons	199,854 tons															
	(through 4/30/15)																
H. PERCENT OF ANNUAL REQUIREMENTS:	<table border="0"> <tr> <td>2014</td> <td>94%</td> </tr> <tr> <td>2015</td> <td>21% (through 4/30/15)</td> </tr> </table>		2014	94%	2015	21% (through 4/30/15)											
2014	94%																
2015	21% (through 4/30/15)																
I. BASE PRICE (FOB Railcar/Barge)	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Railcar</u></td> <td style="text-align: center;"><u>Barge</u></td> </tr> <tr> <td>2014</td> <td>\$44.60 per ton</td> <td>\$45.60 per ton</td> </tr> <tr> <td>2015</td> <td>\$46.01 per ton</td> <td>\$47.01 per ton</td> </tr> <tr> <td>2016</td> <td>\$46.75 per ton</td> <td>\$47.75 per ton</td> </tr> <tr> <td>2017</td> <td>\$47.90 per ton</td> <td>\$48.90 per ton</td> </tr> </table>			<u>Railcar</u>	<u>Barge</u>	2014	\$44.60 per ton	\$45.60 per ton	2015	\$46.01 per ton	\$47.01 per ton	2016	\$46.75 per ton	\$47.75 per ton	2017	\$47.90 per ton	\$48.90 per ton
	<u>Railcar</u>	<u>Barge</u>															
2014	\$44.60 per ton	\$45.60 per ton															
2015	\$46.01 per ton	\$47.01 per ton															
2016	\$46.75 per ton	\$47.75 per ton															
2017	\$47.90 per ton	\$48.90 per ton															
J. ESCALATIONS TO DATE:	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Railcar</u></td> <td style="text-align: center;"><u>Barge</u></td> </tr> <tr> <td></td> <td>-\$3.72 per ton</td> <td>-\$3.72 per ton</td> </tr> </table>			<u>Railcar</u>	<u>Barge</u>		-\$3.72 per ton	-\$3.72 per ton									
	<u>Railcar</u>	<u>Barge</u>															
	-\$3.72 per ton	-\$3.72 per ton															
I. CURRENT CONTRACT PRICE:	<table border="0"> <tr> <td></td> <td style="text-align: center;"><u>Railcar</u></td> <td style="text-align: center;"><u>Barge</u></td> </tr> <tr> <td></td> <td>\$42.29 per ton</td> <td>\$43.29 per ton</td> </tr> </table>			<u>Railcar</u>	<u>Barge</u>		\$42.29 per ton	\$43.29 per ton									
	<u>Railcar</u>	<u>Barge</u>															
	\$42.29 per ton	\$43.29 per ton															

A. NAME/ADDRESS: Armstrong Coal Company, Inc. / J14010
407 Brown Road
Madisonville, Kentucky 42431

B. PRODUCTION FACILITY:
OPERATOR Armstrong Coal Company, Inc.
MINES Various
LOCATION Muhlenberg County and Ohio County,
Kentucky

C. CONTRACT EXECUTED DATE: December 12, 2012

D. CONTRACT DURATION: January 1, 2014 - December 31, 2019

E. CONTRACT AMENDMENTS: None

F. ANNUAL TONNAGE REQUIREMENTS:

2014	100,000 tons
2015	100,000 tons
2016	100,000 tons
2017	100,000 tons
2018	100,000 tons
2019	100,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2014	38,628 tons	59,303 tons
2015	19,255 tons (through 4/30/15)	16,066 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2014	98%
2015	35% (through 4/30/15)

I. BASE PRICE (FOB Barge/Railcar)

2014	\$40.00 per ton
2015	\$41.00 per ton
2016	\$42.00 per ton
2017	\$43.00 per ton
2018	\$44.00 per ton
2019	\$45.00 per ton

J. ESCALATIONS TO DATE: None

I. CURRENT CONTRACT PRICE: \$41.00 per ton

A. NAME/ADDRESS: Foresight Coal Sales, LLC / J12005
211 North Broadway, Suite 2600
St. Louis, Missouri 63102

B. PRODUCTION FACILITY:
OPERATOR: Macoupin Energy, LLC
Sugar Camp Energy, LLC
MINES: Shay Mine No. 1
Deer Run Mine
Sugarcamp Mine
LOCATION: Macoupin, Montgomery and Franklin Counties,
Illinois

C. CONTRACT EXECUTED DATE: March 14, 2012

D. CONTRACT DURATION: April 1, 2012 - December 31, 2017

E. CONTRACT AMENDMENTS: Amendment No. 1, effective September 10, 2013
amending, term, quantity and price.

F. ANNUAL TONNAGE REQUIREMENTS

2012	500,000 tons
2013	1,000,000 tons
2014	1,000,000 tons
2015	1,000,000 tons
2016	Reopener
2017	Reopener

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2012	501,975 tons	462,614 tons
2013	446,791 tons	389,734 tons
2014	439,606 tons	567,280 tons
2015	179,311 tons	153,485 tons
	(through 4/30/15)	

H. PERCENT OF ANNUAL REQUIREMENTS:

2012	100%
2013	96%
2014	101%
2015	33% (through 4/30/15)

I. BASE PRICE: (FOB Barge)	2012	\$46.00 per ton
	2013	\$48.50 per ton
	2014	\$39.75 per ton
	2015	\$43.50 per ton
	2016	Reopener
	2015	Reopener

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$43.50 per ton

A. NAME/ADDRESS: Patriot Coal Sales, LLC / J13004
12312 Olive Boulevard, Suite 400
St. Louis, Missouri 63141

B. PRODUCTION FACILITY:
OPERATOR Highland Mining Company, LLC
MINE Highland Mine
LOCATION Union County, Kentucky

C. CONTRACT EXECUTED DATE: February 1, 2013

D. CONTRACT DURATION: February 1, 2013 - December 31, 2015

E. CONTRACT AMENDMENTS: Contract Assigned to Alliance Coal, LLC effective
January 1, 2015

F. ANNUAL TONNAGE REQUIREMENTS:

2013	300,000 tons
2014	600,000 tons
2015	300,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2013	14,051 tons	227,606 tons
2014	52,955 tons	547,206 tons
2015	19,138 tons	23,835 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2013	81%
2014	100%
2015	carryover tons

I. BASE PRICE (FOB Barge):

2013	\$41.90 per ton
2014	\$47.00 per ton
2015	\$49.75 per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$47.00 per ton

A. NAME/ADDRESS: Patriot Coal Sales, LLC / J14011
12312 Olive Boulevard, Suite 400
St. Louis, Missouri 63141

B. PRODUCTION FACILITY:
OPERATOR Highland Mining Company, LLC
MINE Highland Mine
LOCATION Union County, Kentucky

C. CONTRACT EXECUTED DATE: November 14, 2013

D. CONTRACT DURATION: January 1, 2014 - December 31, 2015

E. CONTRACT AMENDMENTS: Contract Assigned to Alliance Coal, LLC effective
January 1, 2015

F. ANNUAL TONNAGE REQUIREMENTS:

2014	500,000 tons
2015	500,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>LG&E</u>	<u>KU</u>
2014	24,212 tons	377,689 tons

H. PERCENT OF ANNUAL REQUIREMENTS:

2014	80%
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I. BASE PRICE (FOB Barge):

2014	\$43.75 per ton
2015	\$43.75 per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$43.75 per ton

A. NAME/ADDRESS:	Peabody COALSALES, LLC / J12011 701 Market Street St. Louis, Missouri 63101		
B. PRODUCTION FACILITY:	Peabody Midwest Mining, LLC		
OPERATOR	Peabody Wild Boar Mining, LLC		
MINE	Somerville Mine Complex		
LOCATION	Wild Boar Warrick & Gibson Counties, Indiana		
C. CONTRACT EXECUTED DATE:	December 29, 2011		
D. CONTRACT DURATION:	January 1, 2012 – December 31, 2015		
E. CONTRACT AMENDMENTS:	Amendment No. 1 effective July 1, 2014 Extend term to December 31, 2015 and add 1.0M tons to 2015		
F. ANNUAL TONNAGE REQUIREMENTS:	2012	1,500,000 tons	
	2013	1,500,000 tons	
	2014	1,500,000 tons	
	2015	1,000,000 tons	
G. ACTUAL TONNAGE RECEIVED:			
		<u>KU</u>	
		<u>LGE</u>	
	2012	995,669 tons	510,080 tons
	2013	1,031,172 tons	448,290 tons
	2014	1,088,584 tons	453,789 tons
	2015	371,541 tons	25,559 tons
		(through 4/30/15)	
H. PERCENT OF ANNUAL REQUIREMENTS:	2012	100%	
	2013	99%	
	2014	103%	
	2015	40% (through 4/30/15)	
I. BASE PRICE: (FOB Barge/Railcar)	2012	\$49.90 per ton – FOB Barge Evansville \$49.11 per ton – FOB Barge Warrick Co. \$44.50 per ton – FOB Railcar	

2013 \$52.15 per ton – FOB Barge Evansville
\$51.36 per ton – FOB Barge Warrick Co.
\$46.75 per ton – FOB Railcar

2014 \$54.15 per ton – FOB Barge Evansville
\$53.36 per ton – FOB Barge Warrick Co.
\$48.75 per ton – FOB Railcar

2015 \$44.50 per ton – FOB Barge Evansville
\$44.50 per ton – FOB Barge Warrick Co.
\$41.50 per ton – FOB Railcar

J. ESCALATIONS TO DATE:

-\$3.72 per ton – FOB Barge Evansville
-\$3.11 per ton – FOB Warrick Co.
-\$3.11 per ton – FOB Railcar

K. CURRENT CONTRACT PRICE:

\$40.78 per ton – FOB Barge Evansville
\$41.39 per ton – FOB Barge Warrick Co.
\$38.39 per ton – FOB Railcar

A. NAME/ADDRESS:	Rhino Energy LLC and Pennyrile Energy LLC / J14001 424 Lewis Hargett Circle, Suite 250 Lexington, Kentucky 40503												
B. PRODUCTION FACILITY: OPERATOR MINE LOCATION	Pennyrile Energy LLC Riveredge Mine McLean County, Kentucky												
C. CONTRACT EXECUTED DATE:	December 11, 2012												
D. CONTRACT DURATION:	December 10, 2014 - December 31, 2020												
E. CONTRACT AMENDMENTS:	None												
F. ANNUAL TONNAGE REQUIREMENTS:	2014 150,000 tons 2015 800,000 tons 2016 800,000 tons 2017 800,000 tons												
G. ACTUAL TONNAGE RECEIVED:	<table border="0" style="margin-left: 40px;"> <tr> <td></td> <td style="text-align: center;"><u>LG&E</u></td> <td style="text-align: center;"><u>KU</u></td> </tr> <tr> <td>2014</td> <td>43,582 tons</td> <td>70,647 tons</td> </tr> <tr> <td>2015</td> <td>9,300 tons</td> <td>188,446 tons</td> </tr> <tr> <td></td> <td colspan="2" style="text-align: center;">(through 4/30/15)</td> </tr> </table>		<u>LG&E</u>	<u>KU</u>	2014	43,582 tons	70,647 tons	2015	9,300 tons	188,446 tons		(through 4/30/15)	
	<u>LG&E</u>	<u>KU</u>											
2014	43,582 tons	70,647 tons											
2015	9,300 tons	188,446 tons											
	(through 4/30/15)												
H. PERCENT OF ANNUAL REQUIREMENTS:	2014 76% 2015 25% (through 4/30/15)												
I. BASE PRICE (FOB Barge):	2014 \$45.25 per ton 2015 \$46.50 per ton 2016 \$48.25 per ton 2017 \$50.00 per ton												
J. ESCALATIONS TO DATE:	None												
K. CURRENT CONTRACT PRICE:	\$46.50 per ton												

A. NAME/ADDRESS: White Oak Resources LLC / J14003
121 South Jackson Street
McLeansboro, Illinois 62859

B. PRODUCTION FACILITY:
OPERATOR: White Oak Resources LLC
MINES: White Oak #1 Mine
LOCATION: Hamilton County, Illinois

C. CONTRACT EXECUTED DATE: March 14, 2013

D. CONTRACT DURATION: March 1, 2013 - December 31, 2015

E. CONTRACT AMENDMENTS: Letter Agreement dated March 5, 2014; add substitute coal source per Section 4.5.
Letter Agreement dated April 25, 2014; add substitute coal source per Section 4.5.

F. ANNUAL TONNAGE REQUIREMENTS: 2014 360,000 tons
2015 360,000 tons

G. ACTUAL TONNAGE RECEIVED:

	<u>KU</u>	<u>LGE</u>
2014	204,732 tons	115,435 tons
2015	110,184 tons (through 4/30/15)	74,444 tons

H. PERCENT OF ANNUAL REQUIREMENTS: 2014 89%
2015 51% (through 4/30/15)

I. BASE PRICE: (FOB Barge) 2014 \$47.60 per ton
2015 \$49.10 per ton

J. ESCALATIONS TO DATE: None

K. CURRENT CONTRACT PRICE: \$49.10 per ton

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 9

Witness: Mike Dotson

- Q-9. a. State whether LG&E regularly compares the price of its coal purchases to those paid by other electric utilities.
- b. If yes, state:
- (1) How LG&E'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.

- A-9. a. Yes.
- b. LG&E compares pricing of its coal purchases with neighboring utilities from data that is compiled by Energy Velocity database. The utilities included in the comparison are shown on the list found on page 1 of the Attachment to this response. The chart found on page 2 of the Attachment shows the price comparison for coal containing greater than 5.0 lbs. SO₂ content, which is in line with the coal used in all LG&E's units.

The chart on page 3 of the Attachment shows the price comparison of coal containing less than 5.0 lbs. SO₂ content. LG&E accepts deliveries of lower sulfur coal to satisfy bids with sulfur content specifications of 6 lbs. The lower sulfur coal is being supplied under a contract specifying high sulfur content coal and appropriate pricing; therefore, the price of the lower sulfur content coal is similar to what LG&E is paying for high sulfur coal.

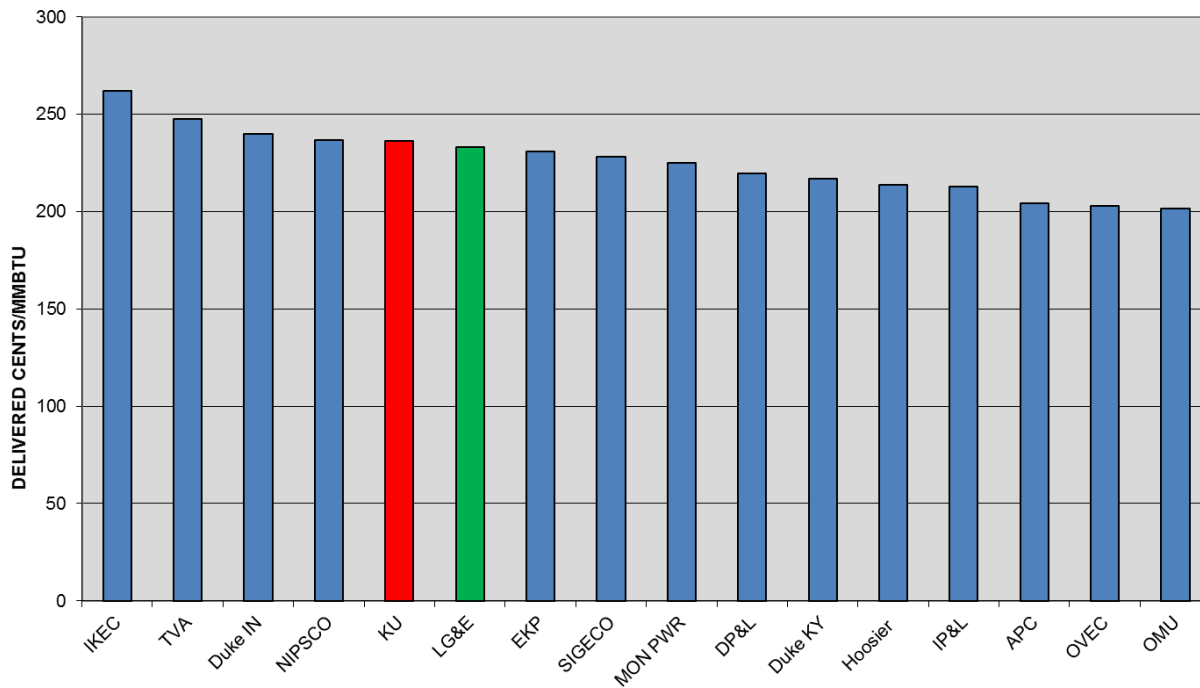
Attachment to Response to Question No. 9

Page 1 of 3

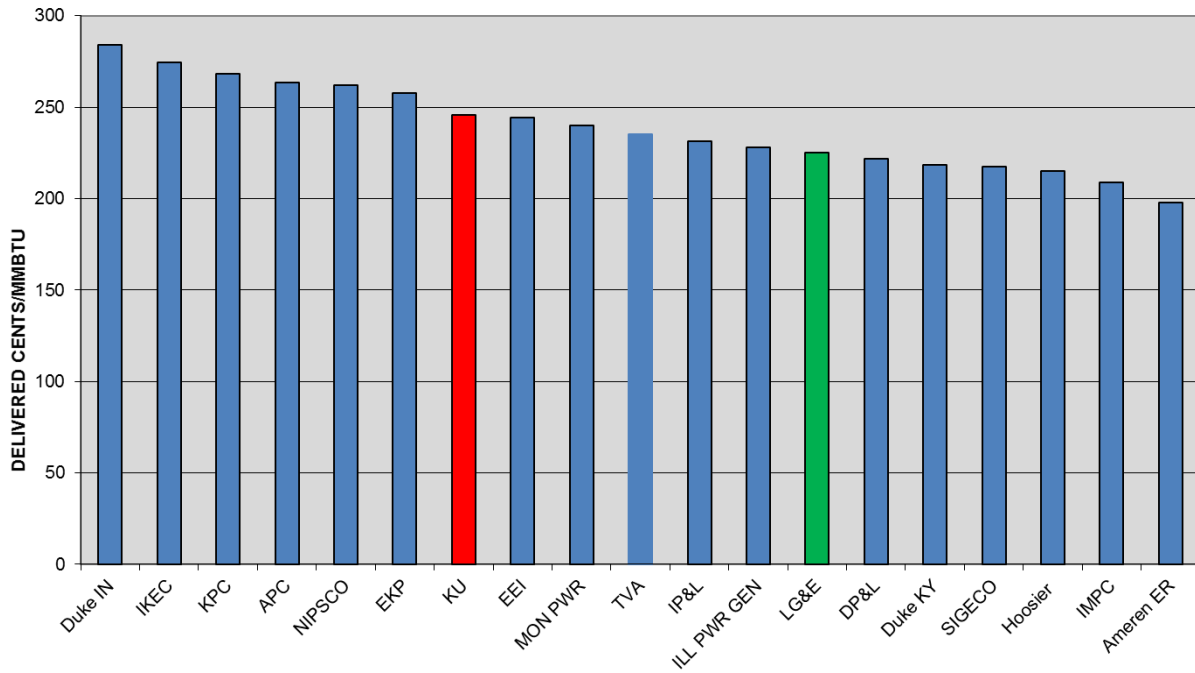
Dotson

Utilities in Comparison List		
UTILITY	ABBREVIATED	PLANT LOCATIONS
AmerenEnergy Generating Co	Ameren ER	Illinois
Illinois Power Generating Co	ILL PWR GEN	Illinois
Appalachian Power Co	APC	Virginia, West Virginia
Dayton Power & Light Co (The)	DP&L	Ohio
Duke Energy Indiana	Duke IN	Indiana
Duke Energy Kentucky	Duke KY	Ohio
East Kentucky Power Coop	EKP	Kentucky
Electric Energy Inc	EEL	Illinois
Hoosier Energy Rural Electric Coop Inc	Hoosier	Indiana
Indiana Kentucky Electric Corp	IKEC	Indiana
Indiana Michigan Power Co	IMPC	Indiana
Indianapolis Power & Light	IP&L	Indiana
Kentucky Power Co	KPC	Kentucky
Kentucky Utilities Co	KU	Kentucky
Louisville Gas & Electric Co	LG&E	Kentucky
Monongahela Power Co	MON PWR	West Virginia
Northern Indiana Public Service Co	NIPSCO	Indiana
Ohio Valley Electric Corp	OVEC	Ohio
Owensboro Municipal Utilities	OMU	Kentucky
Southern Indiana Gas & Electric Co	SIGECO	Indiana
Tennessee Valley Authority	TVA	Alabama, Kentucky, Tennessee

Delivered Price Comparison ≥ 5.0 Lbs SO₂ Content
(Jun 14 - May 15)



Delivered Price Comparison < 5.0 Lbs SO₂ Content
(Jun 14 - May 15)



LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 10

Witness: Mike Dotson

Q-10. State the percentage of LG&E's coal, as of the date of this Order, that is delivered by:

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

- A-10. a. Rail – 50%
- b. Truck – 0%
- c. Barge – 50%

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 11

Witness: Mike Dotson

- Q-11. a. State LG&E's coal inventory level in tons and in number of days' supply as of April 30, 2015. Provide this information by generating station and in the aggregate.
- b. Describe the criteria used to determine number of days' supply.
- c. Compare LG&E's coal inventory as of April 30, 2015 to its inventory target for that date for each plant and for total inventory.
- d. If actual coal inventory exceeds inventory target by 10 days' supply, state the reasons for excessive inventory.
- e. (1) State whether LG&E 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.

A-11. a. As of April 30, 2015:

Cane Run	61,148 Tons; 18 Days	Target 18-35 Days
Mill Creek	633,881 Tons; 43 Days	Target 20-43 Days
Trimble County*	146,393 Tons; 32 Days	Target 21-44 Days
Total	841,422 Tons; 34 Days	Target 20-41 Days

* Trimble County coal inventory includes both high sulfur coal, which is used in Units 1 and 2, and PRB coal, which is used only in Unit 2.

- b. The method of calculating days in inventory is based on each plant's coal burn capability (coal tons in inventory divided by 90% of each generating unit's heat input description from its air permit to operate).

Upper and lower tons/day targeted inventory days were established for each plant taking into consideration each plant's operating parameters. Each plants "least cost" inventory range is established annually during the planning process based on historical coal burn/receipt variances, procurement reaction time for long-term fuel supply agreements, current coal and electricity prices offset by carrying and outage costs.

- c. See (a) above.
- d. Not applicable.
- e. (1) With the exception of Cane Run Station, LG&E does not expect significant changes in its current coal inventory target levels; however, during the Companies' planning cycle minor adjustments may be made to the inventory targets if warranted.
- (2) Commercial operation of the Cane Run coal units ceased when Cane Run Unit 7 began commercial operation on June 19, 2015. The remaining coal at Cane Run Station was transferred to Mill Creek Station.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 12

Witness: Mike Dotson

- Q-12. a. State whether LG&E has audited any of its coal contracts during the period from November 1, 2014, through April 30, 2015.
- 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 LG&E took as a result of the audit.
- A-12. a. No. LG&E has not conducted any financial audits of coal companies. LG&E's current coal contracts either contain a fixed price or a portion of the base contract price is adjusted using government published indices to reflect the changes in the cost. These agreements thus do not require audits. Either LG&E's Manager Fuels Technical Services or LG&E's Mining Engineer conducts scheduled on-site reviews and inspections of the mining operations and sampling systems of each vendor up to twice a year, and likewise may conduct unscheduled visits. Additionally, LG&E employees may visit a vendor as needed to address problems and issues at any time.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 13

Witness: Robert M. Conroy

- Q-13. a. State whether LG&E has received any customer complaints regarding its FAC during the period from November 1, 2014, through April 30, 2015.
- b. If yes, for each complaint, state:
- (1) The nature of the complaint; and
 - (2) LG&E's response.
- A-13. a. No.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 14

Witness: Mike Dotson

- Q-14. a. State whether LG&E is currently involved in any litigation with its current or former coal suppliers.
- b. If yes, for each litigation:
- (1) Identify the coal supplier;
 - (2) Identify the coal contract involved;
 - (3) State the potential liability or recovery to LG&E;
 - (4) List the issues presented; and
 - (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.
- c. State the current status of all litigation with coal suppliers.
- A-14. a. LG&E is not involved in any litigation with its coal suppliers.
- b. Not applicable.
- c. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 15

Witness: Mike Dotson

- Q-15. a. During the period from November 1, 2014, through April 30, 2015, have there been any changes to LG&E's written policies and procedures regarding its fuel procurement?
- b. If yes:
- (1) Describe the changes;
 - (2) Provide the written policies and procedures as changed;
 - (3) State the date(s) the changes were made; and
 - (4) Explain why the changes were made.
- c. If no, provide the date LG&E'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.
- A-15. a. No changes were made during the period referenced above.
- b. Not applicable.
- c. The Fuel Procurement Policies and Procedures were last changed effective March 1, 2013 and were provided to the Commission in response to Question No. 31 in Case No. 2012-00553.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 16

Witness: Mike Dotson

- Q-16. a. State whether LG&E is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period from November 1, 2014, through April 30, 2015.
- b. If yes, for each violation:
- (1) Describe the violation;
 - (2) Describe the action(s) that LG&E took upon discovering the violation; and
 - (3) Identify the person(s) who committed the violation.
- A-16. a. No.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 17

Witness: Mike Dotson

Q-17. Identify and explain the reasons for all changes in the organizational structure and personnel of the departments or divisions that are responsible for LG&E's fuel procurement activities that occurred during the period from November 1, 2014, through April 30, 2015.

A-17. There have been no changes in the organizational structure during the period from November 1, 2014 through April 30, 2015.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 18

Witness: Eileen Saunders

- Q-18. a. Identify all changes that LG&E has made during the period under review to its maintenance and operation practices that also affect fuel usage at LG&E's generation facilities.
- b. Describe the impact of these changes on LG&E's fuel usage.
- A-18. a. During the period under review, Cane Run Unit 6 ceased operation at the end of March. Subsequent to the review period, Cane Run Units 4 and 5 also ceased operation.
- b. All coal generation at Cane Run has now ceased.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 19

Witness: Mike Dotson

- Q-19. List each written coal supply solicitation issued during the period from November 1, 2014, through April 30, 2015.
- 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.
- A-19. a. The final selection of the vendors who responded to the solicitation dated April 11, 2014 was completed for middlings coal for 2015 and was filed in Case No. 2014-00452 and 2014 – 00227. The responses for high sulfur coal after 2015 and beyond were not completed at the time the data responses were filed. The requested information for the selected vendors is provided below for the high sulfur purchase for 2015 – 2019.
- a. Date: August 11, 2014
 - Contract/Spot: Contract or Spot
 - Quantities: No minimum or maximum specified
 - Quality: Suitable for LG&E and KU power plants
 - Period: Up to 6 years
 - Generating Units: All LG&E and KU power plants

- b. Number of vendors receiving bids: 124

Number of vendors responded: 21 companies / 39 offers

Selected vendor(s): The vendor(s) selected were based upon the lowest evaluated delivered cost.

E. W. Brown Station

Black Hawk/Triad Mining - J15002

Alliance Coal - J16006

Peabody Coal Sales – J16007

High Sulfur Barge Coal

Patriot Coal Sales - J16001 (assigned to Alliance Coal January 1, 2015)

Eagle River Coal, LLC – J16005

The American Coal Co. – J16006

Peabody Coal Sales – J16007

Foresight Coal Sales – J16009

The bid analysis information is confidential and proprietary information and is being filed with the Commission under seal pursuant to a Petition for Confidential Protection.

- a. Date: March 2, 2015
Contract/Spot: Contract or Spot
Quantities: No minimum or maximum specified
Quality: Suitable for KU's Ghent and Green River Stations and LG&E's Trimble County and Mill Creek Stations
Period: April through December 2015 – Spot
2016 and beyond - Contract
Generating Units: KU's Ghent and Green River Stations and LG&E's Trimble County and Mill Creek Stations

- b. Number of vendors receiving bids: 119

Number of vendors responded: 22 companies / 41 offers

Selected vendor(s): The vendor(s) selected were based upon the lowest evaluated delivered cost.

PRB Coal (Trimble County Unit 2)

Arch Coal Sales Co., Inc. – J16012

High Sulfur Spot for 2015
Peabody Coalsales, LLC – J15028

White Oak Resources – J15023

Middlings
Western Kentucky Minerals – J15027

The final selection of the vendor(s) for high sulfur coal for the period of 2016-2022 from the bids are in negotiations and are still in progress. The name of the selected vendors and supporting bid tabulation will be provided to the Commission after the negotiations are completed and the agreements signed.

The bid analysis information is confidential and proprietary information and is being filed with the Commission under seal pursuant to a Petition for Confidential Protection.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 20

Witness: Mike Dotson

- Q-20. List each oral coal supply solicitation issued during the period from November 1, 2014, through April 30, 2015.
- 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.
- A-20. LG&E did not issue any oral coal solicitation.
- a. Not applicable.
 - b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 21

Witness: Robert M. Conroy

- Q-21. a. List all intersystem sales during the period under review in which LG&E used a third party's transmission system.
- b. For each sale listed above:
- (1) Describe how LG&E 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.
- A-21. a. There were no inter-system sales from November 1, 2014 through April 30, 2015, which required a third party's transmission system.
- b. Not applicable.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 22

Witness: Robert M. Conroy

- Q-22. a. Describe the effect on the FAC calculation of line losses related to intersystem sales when not using a third party's transmission system.
- b. Describe each change that LG&E made to its methodology for calculating intersystem sales line losses during the period under review.
- A-22. a. Line losses related to intersystem sales are calculated using a loss factor of 0.5% whether the intersystem sale requires a third party transmission system or not.
- b. There have been no changes regarding the calculation of losses associated with intersystem sales. LG&E continues to use a line loss factor of 0.5% to determine the cost of fuel associated with line losses incurred to make an intersystem sale and recovered from such sale consistent with the Commission's June 7, 2013, Amended Order in Case No. 2012-00553.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 23

Witness: Mike Dotson

Q-23. State whether, during the period under review, LG&E 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.

A-23. LG&E has not solicited bids with this restriction.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 24

Witness: Eileen Saunders

Q-24. Provide a detailed discussion of any specific generation efficiency improvements LG&E has undertaken during the period under review.

A-24. LG&E strives to maintain unit efficiency through routine cyclic planned outage maintenance. This maintenance work continues to focus on reestablishing turbine efficiency degraded since the previous outage. Additionally, LG&E maintains unit efficiency through continuous monitoring of all plant systems during operation. LG&E contracts Black and Veatch to provide this monitoring on larger units to identify trends which indicate a potential efficiency loss of any system component. Black and Veatch sends notification to the generating stations which track the potential issue through resolution.

In evaluating potential major component projects or replacements that may impact efficiency, LG&E must balance any potential efficiency benefit associated with the project against both costs and potential implications under the Clean Air Act. LG&E has not realized any efficiency improvements through major component projects during this period.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in Appendix of
Commission's Order Dated August 14, 2015**

Case No. 2015-00235

Question No. 25

Witness: Mike Dotson / Robert M. Conroy

Q-25. State whether all long-term fuel contracts related to commodity and/or transportation have been filed with the Commission. If any contracts have not been filed, explain why they have not been filed and provide a copy.

A-25. All long-term coal and coal transportation contracts have been filed with the Commission.

With respect to natural gas contracts, see the response to Question No. 2. Gas transportation contracts were filed with the Commission in Case No. 2014-00228, response to the Commission's first data request, Question No. 29.