

**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 MAY 1, 2015) 2016-00004
THROUGH OCTOBER 31, 2015)**


**RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
TO
INFORMATION REQUESTED IN
COMMISSION'S POST HEARING DATA REQUEST
DATED APRIL 7, 2016**

FILED: APRIL 21, 2016

VERIFICATION

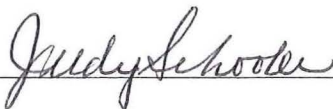
COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Charles R. Schram**, being duly sworn, deposes and says that he is Director — Energy Planning, Analysis and Forecast 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.



Charles R. Schram

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 21st day of April 2016.

 (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
Commission's Post Hearing Data Request Dated April 7, 2016**

Case No. 2016-00004

Question No. 1

Witness: Mike Dotson

- Q-1. Provide the coal price comparison against other utilities in one chart, without regard to the SO₂ content. Also include the raw data in an Excel spreadsheet.
- A-1. As requested, the information originally provided in Question No. 9 from ABB Inc. Ventyx Velocity database has now been compiled without regard to the SO₂ content. In re-running the database on April 12, 2016, to compile this report the Kentucky Power Company data now includes some deliveries from AEP's Mitchell Station which were not reflected in the previous run.

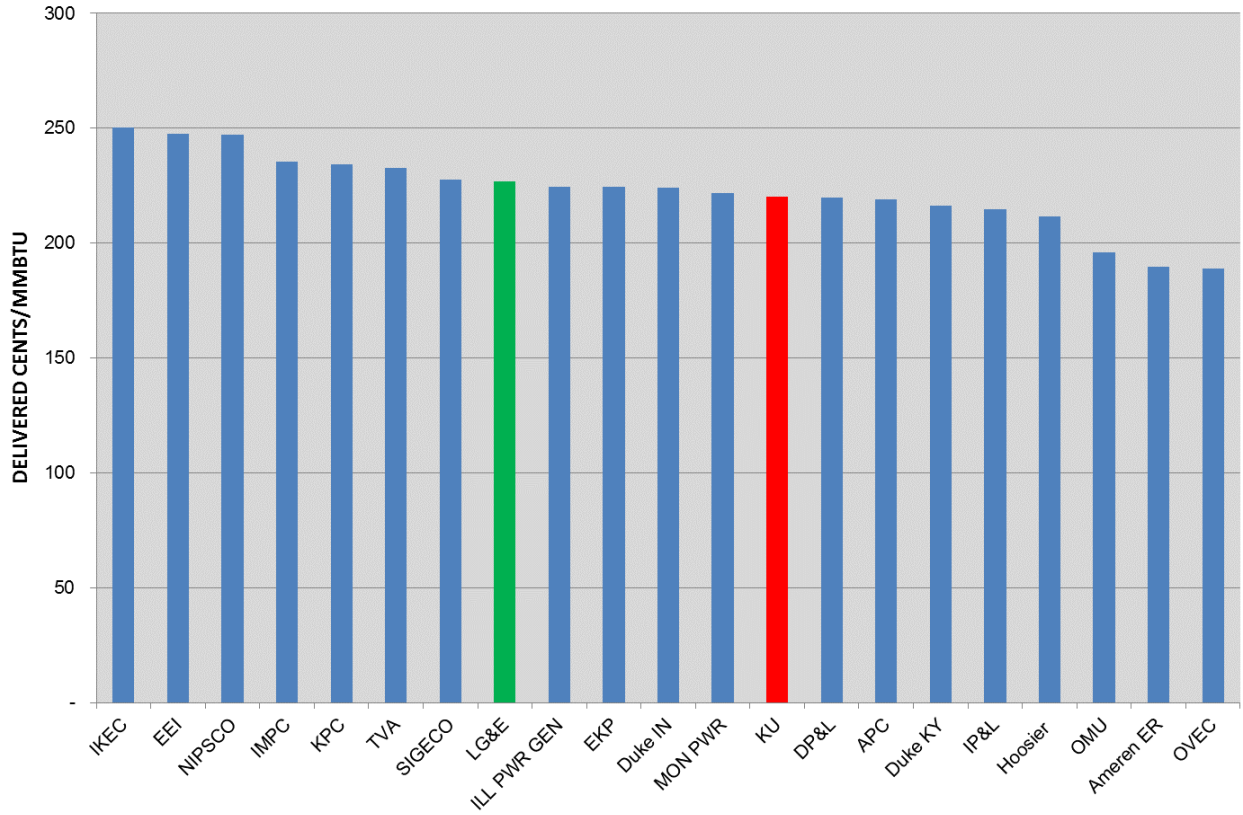
Attachment to Response to Question No. 1

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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

Utility Overall Price Comparison
May 15 - Oct 15



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DELIVERED PRICE COMPARISON (MAY 15 - OCT 15)

Plant Operator Name	Reported Source Name	Quantity (000s tons)	Btu/lb	lbsSO ₂ /mmBtu	Ash %	Delivered Fuel Price Cents/mm Btu
AmerenEnergy Resources Generati	PEABODY COAL SALES	818	8800	0.44	4.52	192.27
AmerenEnergy Resources Generati	ARCH	848	8808	0.54	5.04	186.93
		1,666	8804	0.49	4.79	189.55
Appalachian Power Co	RESOURCE FUELS	142	12492	4.80	9.64	210.84
Appalachian Power Co	PEABODY COAL TRADE	202	12298	1.13	12.85	229.63
Appalachian Power Co	PATRIOT COAL SALES	522	11985	1.39	12.13	249.70
Appalachian Power Co	MERCURIA ENERGY TRADING INC	65	12198	1.26	11.40	198.72
Appalachian Power Co	MAPLE COAL CO	117	12177	1.37	12.75	274.16
Appalachian Power Co	KOCH	39	12022	1.59	10.08	286.08
Appalachian Power Co	EDF TRADING	37	12045	1.56	12.58	274.37
Appalachian Power Co	CONSOLIDATION COAL CO	868	12675	6.03	9.46	227.76
Appalachian Power Co	AMERICAN ENERGY	1,793	12515	6.51	9.52	191.48
Appalachian Power Co	ALPHA COAL	891	12317	1.96	11.22	237.64
		4,676	12417	4.42	10.41	219.11
Dayton Power & Light Co (The)	WILLIAMSON ENERGY	903	11502	5.12	8.13	222.96
Dayton Power & Light Co (The)	WHITE OAK RESOURCES LLC	14	11757	4.12	8.08	203.68
Dayton Power & Light Co (The)	VITOL	315	11705	4.11	8.43	201.97
Dayton Power & Light Co (The)	KOCH	23	11518	1.77	14.43	175.90
Dayton Power & Light Co (The)	FORESIGHT COAL SALES	529	11518	5.12	8.12	213.68
Dayton Power & Light Co (The)	AMERICAN COAL	540	11883	4.08	8.82	223.45
Dayton Power & Light Co (The)	ALPHA COAL	299	12965	4.22	8.40	228.89
Dayton Power & Light Co (The)	ALLIANCE COAL	364	11541	5.34	8.35	226.97
		2,988	11748	4.73	8.39	219.92
Duke Energy Indiana	SUNRISE COAL SALES	24	11525	4.96	8.20	260.50
Duke Energy Indiana	SOLAR SOURCES	533	11282	4.58	8.27	196.66
Duke Energy Indiana	PEABODY COAL TRADE	16	11468	1.34	17.08	183.70
Duke Energy Indiana	PEABODY COAL SALES	2,098	11072	4.69	9.33	200.57
Duke Energy Indiana	PATRIOT COAL SALES	36	12013	1.23	13.49	217.76
Duke Energy Indiana	MODELED - SOLAR SOURCES	495	11281	4.58	8.27	196.65
Duke Energy Indiana	FOSSIL COALLLC	22	11325	1.51	14.80	188.60
Duke Energy Indiana	FORESIGHT COAL SALES	80	10816	6.46	7.27	235.98
Duke Energy Indiana	DUKE ENERGY TRANSFER TERMINA	321	11062	5.66	9.85	189.83
Duke Energy Indiana	BLACK BEAUTY	1,655	11500	6.15	8.64	225.61
Duke Energy Indiana	ALLIANCE COAL	682	11134	2.84	9.68	349.24
		5,962	11240	4.90	9.06	224.01
Duke Energy Kentucky	WHITE OAK RESOURCES LLC	3	11739	4.00	7.90	162.58
Duke Energy Kentucky	TRAFIGURA	109	11471	5.28	8.19	217.48
Duke Energy Kentucky	RIVER VIEW COAL	530	11856	4.95	8.91	225.47
Duke Energy Kentucky	PEABODY COAL TRADE	14	12069	3.27	13.96	179.08
Duke Energy Kentucky	NOBLE AMERICAS GAS & POWER	97	11909	1.57	11.05	185.56
Duke Energy Kentucky	ARMSTRONG COAL	127	11550	4.82	8.94	219.31
Duke Energy Kentucky	AMERICAN COAL	2	12027	4.19	8.60	169.99
Duke Energy Kentucky	ALPHA COAL	63	12972	4.46	8.38	193.54
		946	11854	4.56	9.09	216.30
East Kentucky Power Coop	WHITE OAK RESOURCES LLC	81	11688	4.19	8.47	247.41
East Kentucky Power Coop	WHITE COUNTY COAL	187	11519	5.29	8.17	263.94
East Kentucky Power Coop	RIVER VIEW COAL	101	11484	5.28	8.20	233.13
East Kentucky Power Coop	RIVER TRADING	84	11331	3.65	15.41	194.40
East Kentucky Power Coop	PEABODY COAL SALES	177	11102	5.73	9.00	236.73
East Kentucky Power Coop	OXFORD MINING CO	395	11276	6.88	16.13	204.13
East Kentucky Power Coop	MR COAL MARKETING	3	12317	1.27	9.10	227.60
East Kentucky Power Coop	JAMIESON CONSTRUCTION CO	6	13645	3.25	6.20	270.80
East Kentucky Power Coop	FORESIGHT COAL SALES	385	11037	5.79	7.78	223.34
East Kentucky Power Coop	BOWIE	144	11763	2.75	11.15	225.82
East Kentucky Power Coop	BLACKHAWK MINING LLC	12	12655	3.49	9.30	248.40
East Kentucky Power Coop	B & W RESOURCES	83	12454	2.36	10.06	298.40
East Kentucky Power Coop	B & N COAL	264	10946	8.45	18.04	185.93
East Kentucky Power Coop	ALLIANCE COAL	154	12620	4.51	9.11	226.61
		2,077	11422	5.64	11.60	224.31

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DELIVERED PRICE COMPARISON (MAY 15 - OCT 15)

Plant Operator Name	Reported Source Name	Quantity (000s tons)	Btu/lb	lbsSO2/mmBtu	Ash %	Delivered Fuel Price Cents/mm Btu
Electric Energy Inc	NORTH ANTELOPE	192	8705	0.45	4.64	236.75
Electric Energy Inc	BLACK THUNDER WEST	62	8716	0.73	4.78	225.00
Electric Energy Inc	BLACK THUNDER ARCH	112	8716	0.52	4.67	225.00
Electric Energy Inc	BELLAYRE	286	8670	0.57	4.36	228.06
Electric Energy Inc	ANTELOPE	1,097	8707	0.53	5.38	258.15
		1,749	8702	0.54	5.07	247.60
Hoosier Energy Rural Electric Coop	SUNRISE COAL SALES	297	11502	5.47	8.80	222.14
Hoosier Energy Rural Electric Coop	PEABODY COAL SALES	944	11110	5.63	9.62	208.33
		1,240	11204	5.59	9.43	211.72
Illinois Power Generating Co	PEABODY COAL SALES	1,089	8800	0.44	4.52	215.50
Illinois Power Generating Co	BLACK THUNDER WEST	276	8897	0.56	5.22	239.17
Illinois Power Generating Co	BLACK THUNDER ARCH	526	8905	0.52	5.15	239.17
Illinois Power Generating Co	BELLAYRE	318	8800	0.56	4.35	215.50
Illinois Power Generating Co	ANTELOPE	751	8898	0.54	5.16	226.00
		2,959	8852	0.50	4.84	224.63
Indiana Kentucky Electric Corp	WESTERN KENTUCKY MINERALS	69	11109	5.04	9.29	222.89
Indiana Kentucky Electric Corp	TRAFIGURA	162	11500	5.28	8.22	226.10
Indiana Kentucky Electric Corp	RESOURCE FUELS	448	11490	5.28	8.21	250.74
Indiana Kentucky Electric Corp	NOBLE AMERICAS GAS & POWER	71	11547	5.26	8.14	210.33
Indiana Kentucky Electric Corp	KNIGHTHAWK	506	11179	5.10	8.62	267.65
		1,256	11348	5.19	8.43	250.41
Indiana Michigan Power Co	RIVER TRADING	5	12251	1.14	8.20	286.40
Indiana Michigan Power Co	PEERLESS MINERALS LLC	46	12422	1.21	12.92	267.50
Indiana Michigan Power Co	PEABODY COAL SALES	1,951	8716	0.48	4.57	224.82
Indiana Michigan Power Co	PATRIOT COAL SALES	492	8755	0.46	4.81	224.63
Indiana Michigan Power Co	NOBLE ENERGY MARKETING	7	11984	1.65	11.30	222.60
Indiana Michigan Power Co	NOBLE AMERICAS GAS & POWER	54	11962	1.55	11.12	225.87
Indiana Michigan Power Co	ARCH	748	8944	0.59	5.07	229.34
Indiana Michigan Power Co	ALPHA COAL	380	12090	1.37	12.15	289.01
		3,684	9220	0.62	5.70	235.21
Indianapolis Power & Light	TRIAD	515	11522	5.72	8.25	205.71
Indianapolis Power & Light	SUNRISE COAL SALES	1,099	11549	5.18	8.12	223.16
Indianapolis Power & Light	COALSALES LLC	166	11396	5.70	7.89	212.69
Indianapolis Power & Light	COAL SALES	929	11476	5.79	7.70	205.44
Indianapolis Power & Light	ALLIANCE COAL	132	11546	2.78	6.95	243.06
Indianapolis Power & Light	ALLIANCE	18	11471	2.25	6.66	245.88
Indianapolis Power & Light		13	11475	2.20	6.50	245.50
		2,872	11511	5.36	7.93	214.87
Kentucky Power Co	SABBATICAL INC	10	11764	1.63	11.75	191.70
Kentucky Power Co	PRODUCERS COAL INC	10	12155	1.43	10.00	262.50
Kentucky Power Co	PATRIOT COAL SALES	67	12095	1.31	13.12	200.79
Kentucky Power Co	NOBLE ENERGY MARKETING	72	11915	1.57	12.10	212.08
Kentucky Power Co	NOBLE AMERICAS GAS & POWER	54	11908	1.57	11.04	196.37
Kentucky Power Co	MR COAL MARKETING	21	12263	1.58	11.30	213.10
Kentucky Power Co	KOLMAR AMERICAS INC	27	11956	1.63	12.94	208.08
Kentucky Power Co	KOCH	183	12070	1.59	11.26	238.00
Kentucky Power Co	EMBER ENERGY	5	11933	1.51	9.80	197.80
Kentucky Power Co	EDF TRADING	9	12000	1.72	9.80	269.80
Kentucky Power Co	CONSOLIDATION COAL CO	431	12467	6.57	9.56	215.95
Kentucky Power Co	BLACKHAWK MINING LLC	21	12702	1.43	7.20	207.80
Kentucky Power Co	BEECH FORK PROCESSING	82	12115	1.75	9.28	203.50
Kentucky Power Co	ALPHA COAL	494	12065	1.37	11.92	270.01
		1,485	12181	2.96	10.95	234.30

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DELIVERED PRICE COMPARISON (MAY 15 - OCT 15)

Plant Operator Name	Reported Source Name	Quantity (000s tons)	Btu/lb	lbsSO2/mmBtu	Ash %	Delivered Fuel Price Cents/mm Btu
Kentucky Utilities Co	WHITE OAK RESOURCES LLC	224	11660	4.15	8.24	196.14
Kentucky Utilities Co	WESTERN KENTUCKY MINERALS	3	8724	2.68	26.20	137.10
Kentucky Utilities Co	TRIAD	341	11458	6.33	8.48	262.48
Kentucky Utilities Co	THOROUGHFARE MINING LLC	43	11856	3.90	8.87	229.17
Kentucky Utilities Co	RIVER TRADING	22	10454	3.33	23.71	202.15
Kentucky Utilities Co	RHINO ENERGY	313	11269	4.60	8.94	223.94
Kentucky Utilities Co	FORESIGHT COAL SALES	195	11420	5.10	8.01	210.97
Kentucky Utilities Co	COALSALES LLC	515	11193	5.82	8.52	202.43
Kentucky Utilities Co	BOWIE	55	11989	3.53	12.32	275.30
Kentucky Utilities Co	ARMSTRONG COAL CO	39	11455	3.60	8.28	229.11
Kentucky Utilities Co	ARMSTRONG COAL	1,252	11178	5.52	11.03	208.50
Kentucky Utilities Co	ARCH COAL SALES	14	9436	1.58	26.13	211.49
Kentucky Utilities Co	ARCH	25	9265	1.62	26.41	212.60
Kentucky Utilities Co	ALLIANCE COAL	466	11505	4.18	7.56	245.87
		3,508	11300	5.14	9.65	220.26
Louisville Gas & Electric Co	WHITE OAK RESOURCES LLC	234	11660	4.20	8.32	190.01
Louisville Gas & Electric Co	RIVER TRADING	2	10039	2.45	25.10	211.00
Louisville Gas & Electric Co	RHINO ENERGY	62	11289	4.67	8.94	221.84
Louisville Gas & Electric Co	PEABODY COAL TRADE	13	10210	2.27	24.87	147.06
Louisville Gas & Electric Co	FORESIGHT COAL SALES	304	11439	5.05	7.91	208.72
Louisville Gas & Electric Co	COALSALES LLC	33	11089	5.75	8.96	196.93
Louisville Gas & Electric Co	ARMSTRONG COAL	547	11170	5.64	11.01	206.27
Louisville Gas & Electric Co	ARCH COAL SALES	32	8927	0.62	6.55	230.25
Louisville Gas & Electric Co	ARCH	288	8915	0.65	5.44	230.25
Louisville Gas & Electric Co	ALLIANCE COAL	2,477	11870	5.61	9.16	236.89
		3,991	11470	5.06	9.03	226.65
Monongahela Power Co	TUNNEL RIDGE LLC	143	12630	4.54	9.00	368.56
Monongahela Power Co	MEPCO OPERATIONS	735	12047	3.44	14.74	219.45
Monongahela Power Co	FIRSTENERGY	206	12566	6.94	9.35	179.11
Monongahela Power Co	CONSOL	2,582	12732	5.43	10.74	227.96
Monongahela Power Co	AMERICAN ENERGY	1,087	12505	7.27	9.17	200.85
Monongahela Power Co	ALLIANCE COAL	587	12873	4.52	8.45	214.87
		5,341	12598	5.46	10.62	221.78
Northern Indiana Public Service Co	SUNRISE COAL SALES	40	11478	5.02	8.97	221.65
Northern Indiana Public Service Co	PEABODY COAL SALES	436	8792	0.45	4.56	240.60
Northern Indiana Public Service Co	OAKTOWN FUELS MINELLC	355	11381	5.76	9.03	234.75
Northern Indiana Public Service Co	FORESIGHT COAL SALES	137	10870	6.32	7.23	185.36
Northern Indiana Public Service Co	CONSOL	125	12987	3.87	7.72	414.48
Northern Indiana Public Service Co	COALSALES LLC	747	11036	5.38	8.68	248.46
Northern Indiana Public Service Co	ARCH	793	8829	0.74	5.14	232.99
		2,634	10137	3.19	6.86	247.27
Ohio Valley Electric Corp	AMERICAN ENERGY	898	12446	7.46	9.33	188.50
Ohio Valley Electric Corp		186	12519	7.30	8.90	191.20
		1,083	12458	7.44	9.26	188.97

Attachment to Response to Question No. 1
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DELIVERED PRICE COMPARISON (MAY 15 - OCT 15)

Plant Operator Name	Reported Source Name	Quantity (000s tons)	Btu/lb	lbsSO2/mmBtu	Ash %	Delivered Fuel Price Cents/mm Btu
Owensboro Municipal Utilities	YAGER MATERIALS	2	11214	4.65	9.10	124.00
Owensboro Municipal Utilities	WEST KY MINERALS	202	10936	6.80	11.03	197.66
Owensboro Municipal Utilities	ROCKPORT RIVER TERMINAL	4	10452	3.09	9.17	124.00
Owensboro Municipal Utilities	PEABODY COAL SALES	145	10994	6.77	10.75	197.03
Owensboro Municipal Utilities	KENAMERICA RESOURCES	38	11666	5.07	6.55	194.75
Owensboro Municipal Utilities	KEN AMERICAN	17	11737	4.87	8.10	195.00
Owensboro Municipal Utilities	ARMSTRONG COAL	252	11099	5.75	10.98	196.07
		658	11071	6.22	10.60	196.10
Southern Indiana Gas & Electric Co	SUNRISE COAL SALES	982	11503	5.56	8.40	229.30
Southern Indiana Gas & Electric Co	ALLIANCE COAL	134	11756	4.78	6.41	216.68
		1,116	11534	5.46	8.16	227.75
Tennessee Valley Authority	TRAFIGURA	21	12125	1.55	12.35	210.81
Tennessee Valley Authority	SOUTHERN COAL SALES CORP	11	12256	1.47	12.40	251.00
Tennessee Valley Authority	RHINO ENERGY	12	12454	1.46	11.10	286.40
Tennessee Valley Authority	PEVLER	30	12273	1.57	7.77	273.84
Tennessee Valley Authority	PEABODY COAL SALES	2,673	10803	3.11	7.11	228.59
Tennessee Valley Authority	PATRIOT COAL SALES	177	12202	1.55	12.27	249.71
Tennessee Valley Authority	NOBLE ENERGY MARKETING	140	11903	1.64	10.33	232.85
Tennessee Valley Authority	MR COAL MARKETING & TRADINGLL	23	12494	1.92	11.10	242.20
Tennessee Valley Authority	MR COAL MARKETING	139	12312	1.92	12.11	251.59
Tennessee Valley Authority	KOPPER GLO	12	13043	2.02	7.50	258.50
Tennessee Valley Authority	KENAMERICA RESOURCES	682	11820	4.89	7.99	216.93
Tennessee Valley Authority	FORESIGHT COAL SALES	318	11511	5.08	8.11	199.58
Tennessee Valley Authority	BLUE DIAMOND MINING LLC	70	13113	1.58	7.07	263.85
Tennessee Valley Authority	B & W RESOURCES	23	12498	1.74	9.70	257.80
Tennessee Valley Authority	ARMSTRONG COAL	1,080	11697	4.77	8.85	238.11
Tennessee Valley Authority	ARCH COAL SALES	1,112	8875	0.67	5.25	192.63
Tennessee Valley Authority	ARCH	3,388	8976	0.69	5.26	202.37
Tennessee Valley Authority	ALPHA COAL	59	12432	1.52	11.18	256.19
Tennessee Valley Authority	ALLIANCE COAL	2,390	11815	4.31	8.19	266.36
Tennessee Valley Authority	ALLIANCE COAL	1,050	12307	4.99	7.40	271.60
		13,409	10701	2.85	7.11	232.60

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in
Commission's Post Hearing Data Request Dated April 7, 2016**

Case No. 2016-00004

Question No. 2

Witness: Charles R. Schram

- Q-2. In connection with the natural gas prices that are contained in the attachment to the Company's response to Item 4(b) to the Commission Staff's Third Set of Data Requests, provide a breakdown of the natural gas price and the cost of delivery at the Zorn generation station for each month during the period under review.
- A-2. Natural gas for LG&E's Zorn unit is supplied by the LG&E gas distribution company. The total price of gas does not differentiate between the natural gas price and the cost of delivery.

When preparing this response, the Company discovered that it did not properly update the Zorn unit's monthly forecasted gas price in Form B – Page 6, Sheet 1 of 1 for the months of May 2015 through August 2015. Purchase power exclusions in these four months were zero; the purchase power exclusions continue to be zero using the corrected values in the calculation. Revised Form B – Page 6, Sheet 1 of 1 for each of the four months have been provided in the Supplemental Response to the Commission's Third Request for Information, Question 4b filed today.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in
Commission's Post Hearing Data Request Dated April 7, 2016**

Case No. 2016-00004

Question No. 3

Witness: Charles R. Schram

Q-3. Refer to the Company's response to Staff's Third Request for Information, Item 4(e).

(a) For the period under review, provide the highest generating cost actually incurred in each month in which the Zorn unit operated in dollars per MWh.

(b) Using that dollar per MWh, provide the effect it would have on the amount of power purchases excluded from recovery during those months if that \$/MWh had been used rather than what the companies used?

(c) Provide this information in Excel spreadsheet and hard-copy format.

A-3. (a) See table below:

Month of Haefling Operation	Highest Cost Unit	Operating Hours	Monthly Gross Gen (MWh)	Monthly Aux Power (MWh)	Monthly Net Gen (MWh)	Monthly Gas Cost (\$)	Gross Gen Cost (\$/MWh)	Net Gen Cost (\$/MWh)
May 2015	Zorn	5.78	66	(5)	61	3,648.16	55.28	59.81
July 2015	Zorn	0.87	4	(4)	0	571.79	142.95	--

The Net Gen Cost in the table above is computed as the ratio of Monthly Gas Cost and Monthly Net Gen. Because Monthly Aux Power in months with limited generation from the Zorn unit can equal or exceed Monthly Gross Gen, Monthly Net Gen and the Net Gen Cost can be negative or undefined. For months where this is true, the Gross Gen Cost (computed as the ratio of Monthly Gas Cost and Monthly Gross Gen) provides a better estimate of actual generation cost.

(b) The gross generation costs provided in response to part 3a are higher than the cost of each of the Company's power purchases. Therefore, the use of these generating costs has no impact on the amount of power purchases excluded from recovery.

(c) See attached. Power purchase exclusions were computed using the net generation cost in May 2015 and the gross generation cost in July 2015.

Adjustments for Purchases Above KU/LGE Highest Priced Units (July 2015)

Cost Components of Highest Priced Units*:

UNIT NAME	(1)	(2)		(3)	(4)	(5)	(6)	(7)	(8)	(6)=(3)+(4)+(5)	(7)	(8)=(6)+(7)
	FULL LOAD HR <small>(BTU/KWH)</small>	FUEL COST <small>(\$/MBTU) (\$/MWH)</small>		SCRUBBER CONSUME <small>(\$/MWH)</small>	SO2 ADDER <small>(\$/MWH)</small>	SCR CONSUME <small>(\$/MWH)</small>	NOx ADDER <small>(\$/MWH)</small>	Hg CONSUME <small>(\$/MWH)</small>	DISPATCH COST <small>(\$/MWH)</small>	Maint V O&M <small>(\$/MWH)</small>	TOTAL PRICE <small>(\$/MWH)</small>	
ZORN 1	18,676	610.28	142.95	0.00	0.00	0.00	0.00	0.00	142.95	3.00	145.95	
HAEFLING	17,000	815.00	138.09	0.00	0.00	0.00	0.00	0.00	138.09	3.00	141.09	

*In the table, the formulas used to compute Dispatch Cost have been replaced with actual generation cost estimates. The inputs to these formulas and other values not used in the calculation of power purchase exclusions have been struck.

LGE Purchases Above LGE' s Highest Priced Unit (ZORN 1):

MM/DD/YY Hr	Purchase From	Cost \$	MWh Purch	Cost \$/MWh	Excluded Amount Prior to FO Calculation		Excluded in FO Calculation?	Additional Exclusion For FAC	ZORN 1 Available ?
					\$	\$			
1							YES	\$ -	Yes
2							YES	\$ -	Yes
3							YES	\$ -	Yes
4							YES	\$ -	Yes
5							YES	\$ -	Yes
6							YES	\$ -	Yes
7							YES	\$ -	Yes
8							YES	\$ -	Yes
9							YES	\$ -	Yes
10							YES	\$ -	Yes
11							YES	\$ -	Yes
12							YES	\$ -	Yes
13							YES	\$ -	Yes
14							YES	\$ -	Yes
15							YES	\$ -	Yes
16							YES	\$ -	Yes
17							YES	\$ -	Yes
18							YES	\$ -	Yes
19							YES	\$ -	Yes
20							YES	\$ -	Yes
21							YES	\$ -	Yes
22							YES	\$ -	Yes
23							YES	\$ -	Yes
24							YES	\$ -	Yes
25							YES	\$ -	Yes
					LG&E Total	\$ -	\$0.00	\$ -	

KU Purchases Above KU' s Highest Priced Unit (HAEFLING):

MM/DD/YY Hr	Purchase From	Cost \$	MWh Purch	Cost \$/MWh	Excluded Amount Prior to FO Calculation		Excluded in FO Calculation?	Additional Exclusion For FAC	HAEFLING Available ?
					\$	\$			
1							Yes	\$ -	Yes
2							Yes	\$ -	Yes
3							Yes	\$ -	Yes
4							Yes	\$ -	Yes
5							Yes	\$ -	Yes
6							Yes	\$ -	Yes
7							Yes	\$ -	Yes
8							Yes	\$ -	Yes
9							Yes	\$ -	Yes
10							Yes	\$ -	Yes
11							Yes	\$ -	Yes
12							Yes	\$ -	Yes
13							Yes	\$ -	Yes
14							Yes	\$ -	Yes
15							Yes	\$ -	Yes
16							Yes	\$ -	Yes
17							Yes	\$ -	Yes
18							Yes	\$ -	Yes
19							Yes	\$ -	Yes
20							Yes	\$ -	Yes
21							Yes	\$ -	Yes
22							Yes	\$ -	Yes
23							Yes	\$ -	Yes
24							Yes	\$ -	Yes
25							Yes	\$ -	Yes
					KU Total	\$ -	\$0.00	\$ -	

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in
Commission's Post Hearing Data Request Dated April 7, 2016**

Case No. 2016-00004

Question No. 4

Witness: Charles R. Schram

- Q-4. For each month of the period under review, calculate the power purchase exclusion from the fuel adjustment clause using an average of the minimum level and maximum level of operation for the highest cost unit and using the natural gas costs that were used in the Company's response to Item 4(b) of Staff's Third Set of Data Requests. Provide this information in Excel spreadsheet and hard-copy format.
- A-4. Due to control system limitations on the small Zorn unit (approximately 14 MW), it is not practical to dispatch the unit as a load-following unit; it is always dispatched at its maximum output level. Therefore, this change in methodology would have no impact on the power purchase exclusions provided in response to Item 4(b) of Staff's Third Set of Data Requests.

LOUISVILLE GAS AND ELECTRIC COMPANY

**Response to Information Requested in
Commission's Post Hearing Data Request Dated April 7, 2016**

Case No. 2016-00004

Question No. 5

Witness: Charles R. Schram

- Q-5. Provide the same information as requested in Item No. 4 above, except that, for the natural gas price, the Company should use an average of the highest and lowest natural gas costs for each month during the period under review. Provide this information in Excel spreadsheet and hard-copy format.
- A-5. Natural gas for LG&E's Zorn unit is supplied by the LG&E gas distribution company and the tariff rate does not change from day to day. Therefore, this change in methodology would have no impact on the power purchase exclusions provided in response to Item 4(b) of Staff's Third Set of Data Requests.