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)2016-00004THROUGH OCTOBER 31, 2015)

SUPPLEMENTAL RESPONSE OF LOUISVILLE GAS AND ELECTRIC COMPANY TO INFORMATION REQUESTED IN COMMISSION'S THIRD DATA REQUEST DATED MARCH 18, 2016

FILED: APRIL 21, 2016

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.

Mile Dotson

Subscribed and sworn to before me, a Notary Public in and before said County

and State, this <u>Alst</u> day of <u>April</u> 2016.

JuldySchooler (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, **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.

Imh KAchm-les R. Schram

Subscribed and sworn to before me, a Notary Public in and before said County

and State, this 1/4 day of April _____2016.

JudySchooler (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

Supplemental Response to Information Requested in Commission's Third Data Request Dated March 18, 2016

Case No. 2016-00004

Question No. 1

Witness: Mike Dotson

- Q-1. In its monthly fuel adjustment clause ("FAC") backup files, LG&E provides an analysis of coal purchases that includes a state and coal district number for the source of the coal.
 - a) Confirm that LG&E is using District No. 9 (for western Kentucky) when identifying Kentucky coal districts in its FAC backup filings.
 - b) State whether the state and coal district numbers are those utilized by the Mine Safety and Health Administration. If not, state the entity that designates the coal district numbers utilized by LG&E in its FAC backup filings.
 - c) For the entity identified in part b. above, provide a map showing the current coal districts.
 - d) Provide the date of the last change made by the entity identified in part b. above to the coal district numbering. If LG&E did not begin using the new coal district numbering when the change was made, explain why.
 - e) Explain the input and review process for the state and coal district numbers provided in the monthly analysis of coal purchase schedule and how LG&E ensures that the information is accurate.

A-1. ORIGINAL RESPONSE:

- a) Yes, LG&E is using District No. 9 for Western Kentucky and District No. 8 for Eastern Kentucky in its FAC backup filings.
- b) LG&E does not use the state and coal district numbers utilized by the Mine Safety and Health Administration. The district numbers utilized in LG&E's FAC backup filings are those established by Federal Energy Regulatory Commission (FERC) for Form 423 filings.
- c) LG&E is not aware of a map showing the FERC coal districts. However, attached is a list of the FERC coal district numbers with detailed descriptions. This list was provided in the instructions for the FERC 423 Monthly Report of Cost and Quality of Fuels for Electric Plants. The counties for Kentucky Districts 8 and 9 are located on page 3 of 6 and page 4 of 6.

- d) LG&E is not aware of any change in the FERC coal district numbering.
- e) LG&E uses Aligne, a fuel management system purchased from FIS Energy (originally Energy Softworx) in 2006. This software came pre-loaded with base data that included FERC mine district numbers. This data was compared to the FERC 423 instructions and proved to be accurate. This data has not been modified.

As new sources are created, the Fuel Source, State and County are entered into Aligne. Aligne uses this information to associate the FERC mine district numbers using the pre-loaded base data.

LG&E uses the Aligne system to generate the Monthly Analysis of Coal Purchase report for the Form B. LG&E has accounting procedures in place to validate data entered into the fuels system. These procedures are reviewed annually via Sarbanes Oxley Internal Control reviews and by external auditors during their normal audit process.

SUPPLEMENTAL RESPONSE:

b) On March 28, 2008, the Federal Energy Regulatory Commission ("FERC") issued a Notice Providing for Termination of Collection of FERC Form No. 423, Monthly Report of Cost and Quality of Fuels for Electric Plants ("FERC Form 423"), which LG&E had routinely filed with the Kentucky Public Service Commission ("Commission"). This Notice stated that the FERC would rely on the newly authorized Energy Information Administration ("EIA") Form 923 for comparable data collection beginning with the January 2008 report. The EIA Form 923 did not require the state and county information. Based on discussions with Commission staff around that time, the information contained in the FERC Form 423 was also contained in the Form B, Page 3 "Analysis of Coal Purchased for Fuel Clause Backup" with the exception of the state and county information. In order to provide the Commission with comparable data in a timely manner, LG&E agreed to manually insert the state and county information on the report based on what had been provided in the FERC Form 423. On April 25, 2008, LG&E filed a modified version of Page 3 of its Fuel Adjustment Clause Form B for the expense month of February 2008, which contained the information previously provided in the FERC Form 423. On May 2, 2008, LG&E was contacted by Commission staff requesting that the coal district code number, rather than the county code number, be inserted onto Page 3 of its monthly Fuel Adjustment Clause Form B. All monthly filings of this report have contained the same information based on the previous FERC Form 423 instructions.

LOUISVILLE GAS AND ELECTRIC COMPANY

Supplemental Response to Information Requested in Commission's Third Data Request Dated March 18, 2016

Case No. 2016-00004

Question No. 4

Witness: Charles R. Schram

- Q-4. Refer to LG&E's response to the Staff's Second Request, Item 2.
 - a) Explain how LG&E decided on the methodology used for calculating its highest-cost unit.
 - b) For each month of the review period, provide the \$/MWh that was calculated as the highest-cost unit.
 - c) For each month of the review period, provide the natural gas price used in the calculation of the highest-cost unit.
 - d) State the origin of the natural gas price provided in part c. above.
 - e) State whether Zorn Unit 1 operated during the review period.

ORIGINAL RESPONSE:

A-4. b) See the attached pages from the monthly LG&E Form B for the period under review.

REVISED RESPONSE:

A-4. b) When preparing Post Hearing data responses, 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. See the revised attached pages from the monthly LG&E Form B for the period May 2015 through August 2015.

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

Cost Components of Highest Priced Units:

UNIT NAME	(1) FULL LOAD HR	(2) FUEL	(3) COST	(4) SCRUBBER CONSUME	(5) SO2 ADDER	(6) SCR CONSUME	(7) NOx ADDER	(8) Hg CONSUME	(6)=(3)+(4)+(5) DISPATCH COST	(7) Maint V O&M	(8)=(6)+(7) TOTAL PRICE
	(BTU/KWH)	(c/MBTU)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)
ZORN 1	18,676	610.28	113.98	0.00	0.00	0.00	0.00	0.00	113.98	13.30	127.28
HAEFLING	17,000	875.00	148.75	0.00	0.00	0.00	0.00	0.00	148.75	10.00	158.75

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

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		Purchase		MWh	Cost	Calcula	tion	FO	Exc	lusion	ZORN 1
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2								YES	\$		Yes
3								YES	\$	-	Yes
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KU Purchases Above KU's Highest Priced Unit (HAEFLING):

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12							Yes	\$	-	Yes
13							Yes	\$	-	Yes
14							Yes	\$	-	Yes
15							Yes	\$		Yes
16							Yes	\$	-	Yes
17							Yes	\$	•	Yes
18							Yes	\$	-	Yes
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Original Attachment to Response to Question No. 4b Schram/Rahn Page 1 of 4

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2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2345678901123456789901123									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	

			A		ments fo							
				KU/	LGE High	est Pri	ced Uni	its				
						JST 201						
					(,		
Cos	t Components of Hig	ghest Priced Uni	ts:									
_		(1) FULL	(2) FUEL	(3)	(4) SCRUBBER	(5)	(6)	(7)	(8)	(6)=(3)+(4)+(5)	(7)	(8)=(6)+(3
	UNIT NAME	LOAD HR	FUEL	LUSI	CONSUME	SO2 ADDER	SCR CONSUME	NOx ADDER	Hg CONSUME	DISPATCH COST	Maint V O&M	TOTAL PRICE
	ONTI NAME	(BTU/KWH)	(c/MBTU)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWII)	(\$/MWH)
	ZORN 1	18,676	610.28	113.98	0.00	0.00	0.00	0.00	0.00	113.98	13.30	127.2
	HAEFLING	17,000	815.00	138.55	0.00	0.00	0.00	0.00	0.00	138.55	10.00	148.5
LGF	E Purchases Above L	GE's Highest Pr	iced Uni	t (70R)	11).							
DUIL		de a mgneatri	iccu om	LIZONN			Excluded Am	nount Prior to FO	Excluded in	Additional		
		Purchase			MWh	Cost	Calc	culation	FO	Exclusion	ZORN 1	
	MM/DD/YY Hr	From	Cos	st \$	Purch	\$/MWh	\$/MWh	\$	Calculation?	For FAC	Available ?	
1									YES	\$ -	Yes	
2									YES YES	\$ - \$ -	Yes Yes	
4									YES	\$ -	Yes	
5									YES	\$ -	Yes	
6									YES	\$ -	Yes	
7									YES	\$ -	Yes	
8									YES	\$ -	Yes	
9 10									YES YES	<u>\$</u> - \$-	Yes Yes	
11									YES	\$ -	Yes	
12									YES	\$ -	Yes	
13									YES	\$ -	Yes	
14									YES	\$ -	Yes	
15									YES	\$ -	Yes	
16 17									YES YES	<u>s</u> - s -	Yes Yes	
18									YES	\$ -	Yes	
19									YES	\$ -	Yes	
20									YES	\$ -	Yes	
21									YES	\$ -	Yes	
22									YES YES	\$ -	Yes	
23 24									YES	<u>\$</u> - \$-	Yes Yes	
25									YES	\$ -	Yes	
							LG&E Total	\$ -	\$0.00	\$ -		
-												
٢U	Purchases Above KI	J's Highest Price	ed Unit (HAEFL	NG):							
								ount Prior to FO	Excluded in	Additional		
	MM/DD/YY Hr	Purchase From	Cos	+ ¢	MWh Purch	Cost \$/MWh	\$/MWh	culation \$	FO Calculation?	Exclusion For FAC	HAEFLING Available ?	·
	MM/DD/11 nr	From	005	1.5	Furch	3/14/14/11	3/ 11/11		Calculation	FOLFAC	Available 1	
									Yes	\$ -	Yes	
1									Yes	\$ -	Yes	
2									Yes	\$ -	Yes	
2 3												
2 3 4									Yes	\$ -	Yes	
2 3 4 5									Yes	\$ -	Yes	
2 3 4 5 6									Yes Yes	<u>s</u> - s -	Yes Yes	
2 3 4 5 6 7									Yes Yes Yes	\$- \$- \$-	Yes Yes Yes	
2 3 4 5 6									Yes Yes	\$- \$- \$-	Yes Yes	
2 3 4 5 6 7 8 9 10									Yes Yes Yes Yes Yes Yes Yes	\$ - \$ - \$ - \$ - \$ - \$ - \$ -	Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11									Yes Yes Yes Yes Yes Yes Yes	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 12									Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 11 12 13									Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 12 13 14									Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 12 13 14 15									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ - \$ - \$ - \$ - \$ - \$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 11 12 13 14 15 16 17 18 19									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes	
2 3 4 5 6 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes	
2 3 4 5 6 7 7 8 9 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes Yes	
2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23									Yes Yes Yes Yes Yes Yes Yes Yes Yes Yes	\$ - \$ -	Yes	

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

Cost Components of Highest Priced Units:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(6)=(3)+(4)+(5)	(7)	(8)=(6)+(7)
	FULL	FUEL	COST	SCRUBBER	SO2	SCR	NOx	Hg	DISPATCH	Maint	TOTAL
UNIT NAME	LOAD HR			CONSUME	ADDER	CONSUME	ADDER	CONSUME	COST	V O&M	PRICE
	(BTU/XWH)	(c/MBTU)	(\$/MWH)	(\$/MWH)	(5/5.twH)	(\$/MWH)	(\$/MWH)	(5/MWH)	(5/MWH)	(5/MWH)	(S/MWH)
ZORN 1	18,676	557.21	104.06	0.00	0.00	0.00	0.00	0.00	104.06	13.30	117.36
HAEFLING	17,000	875.00	148,75	0.00	0.00	0.00	0.00	0.00	148.75	10.00	158.75

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

						Excluded Amou	unt Prior to FO			Additional		
		Purchase		MWh	Cost	Calcul	ation	Excluded in FO)	Exclusion	ZORN 1	
	MM/DD/YY Hr	From	Cost \$	Purch	\$/MWh	\$/MWh	\$	Calculation?		For FAC	Available ?	
1							-	YES	\$	-	Yes	
2								YES	\$	-	Yes	
з								YES	\$	-	Yes	
4								YES	\$	-	Yes	
5								YES	\$	-	Yes	
6								YES	\$	-	Yes	
7								YES	\$	-	Yes	
8								YES	\$		Yes	
9								YES	\$		Yes	1
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	
									1			
						LG&E Total \$	-	\$0.00	Ś			
						and rotar y		20.00	4			

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

						Excluded Amou	unt Prior to FC)		Additional	
		Purchase		MWh	Cost	Calcul	ation	Excluded in F	0	Exclusion	HAEFLING
	MM/DD/YY Hr	From	<u>Cost \$</u>	Purch	\$/MWh	\$/MWh	\$	Calculation	2	For FAC	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	\$		=

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

Cost Components of Highest Priced Units:

	(1) FULL	(2) FUEL	(3) COST	(4) SCRUBBER CONSUME	(5) SO2 ADDER	(6) SCR CONSUME	(7) NOx ADDER	(8) Hg CONSUME	(6)=(3)+(4)+(5) DISPATCH COST	(7) Maint V O&M	(8)=(6)+(7) TOTAL PRICE
UNIT NAME	(BTU/KWH)	(c/MBTU)	(S/MWH)	(\$/MWH)	(S/MWH)	(S/MWH)	(S/MWH)	(S/MWH)	(S/MWH)	(S/MWH)	(\$/MWH)
ZORN 1	18,676	557.21	104.06	0.00	0.00	0.00	0.00	0.00	104.06	13.30	117.36
HAEFLING	17,000	800.00	136.00	0.00	0.00	0.00	0.00	0.00	136.00	10.00	146.00

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

LULI		E' s Highest Priced				Excluded Amou	unt Prior to FO		Additional		
		Purchase		MWh	Cost	Calcul		Excluded in FO	Exclusion	ZORN 1	
	MM/DD/YY Hr	From	Cost \$	Purch	\$/MWh	\$/MWh	\$	Calculation?	For FAC	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):

KU PI	Irchases Above KU	s Highest Priced Ur	nit (HAEFLING):								
					Excluded Amou	unt Prior to FO		1	Additional		
		Purchase		MWh	Cost	Calcul	lation	Excluded in FO		Exclusion	HAEFLING
	MM/DD/YY Hr	From	<u>Cost \$</u>	Purch	\$/MWh	<u>\$/MWh</u>	\$	Calculation?		For FAC	Available ?
1								Yes	\$	-	Yes
2								Yes	\$	-	Yes
3								Yes	Ś	-	Yes
4								Yes	Ś	-	Yes
5								Yes	Ś	-	Yes
6								Yes	S	-	Yes
7								Yes	Ś	-	Yes
8								Yes	Ś	-	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	Ş	-	Yes
25								Yes	\$	-	Yes
						KU Total \$	-	\$0.00	~	-	=
						KU TOTAL \$	-	\$0.00	Ş	-	

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

Cost Components of Highest Priced Units:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(6)=(3)+(4)+(5)	(7)	(8)=(6)+(7)
UNIT NAME	FULL LOAD HR	FUEL	COST	SCRUBBER CONSUME	SO2 ADDER	SCR CONSUME	NOx ADDER	Hg CONSUME	DISPATCH COST	Maint V O&M	TOTAL PRICE
	(BTU/KWH)		(S/MWH)	(\$/MWH)	(\$/MWH)	(S/MWH)	(5/MWH)	(S/MWH)	(\$/7.5WH)	(\$/MWH)	
ZORN 1	18,676	557.21	104.06	0.00	0.00	0.00	0.00	0.00	104.06	13.30	117.36
HAEFLING	17,000	815.00	138.55	0.00	0.00	0.00	0.00	0.00	138.55	10.00	148.55

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

					Excluded Amo				Additional		
	Purchase		MWh	Cost	Calcu	lation	Excluded in FO		Exclusion	ZORN 1	
MM/DD/YY Hr	From	Cost \$	Purch	\$/MWh	\$/MWh	\$	Calculation?		For FAC	Available ?	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	\$	-	Yes	
							YES	Ś	-	Yes	

LG&E Total \$ - \$0.00 \$ -

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

	MM/DD/YY Hr	Purchase <u>From</u>	<u>Cost \$</u>	Excluded Amount Prior to MWh Cost Calculation <u>Cost \$ Purch \$/MWh \$/MWh \$</u>		ation	Excluded in FO <u>Calculation?</u>		Additional Exclusion <u>For FAC</u>	HAEFLING <u>Available ?</u>	
1								Yes	\$	-	Yes
2								Yes	\$	-	Yes
3								Yes	Ś	-	Yes
4								Yes	Ś	-	Yes
5								Yes	\$	-	Yes
6								Yes	Ś	-	Yes
7								Yes	Ś	-	Yes
8								Yes	ŝ	-	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	\$	-	-

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

Cost Components of Highest Priced Units:

	(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)	(6)=(3)+(4)+(5)	(7)	(8)=(6)+(7)	
	FULL	FUEL	COST	SCRUBBER	SO2	SCR	NOx	Hg	DISPATCH	Maint	TOTAL	
UNIT NAME	LOAD HR			CONSUME	ADDER	CONSUME	ADDER	CONSUME	COST	V O&M	PRICE	
	(BTU/KWH)	(c/MBTU)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(5/MWH)	(\$/MWH)	(\$/MWH)	(\$/MWH)	(\$/ħ/₩H)	
ZORN 1	18,676	558.97	104.39	0.00	0.00	0.00	0.00	0.00	104.39	13.30	117.69	
HAEFLING	17,000	815.00	138.55	0.00	0.00	0.00	0.00	0.00	138.55	10.00	148.55	

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

LGE P	urchases Above LG	E's Highest Priced	Unit (ZORN 1):								
						Excluded Amou	nt Prior to FO		Additional		
		Purchase		MWh	Cost	Calcula	ation	Excluded in FO	Exclusion	ZORN 1	
	MM/DD/YY Hr	From	Cost \$	Purch	\$/MWh	\$/MWh	\$	Calculation?	For FAC	Available ?	
1								YES	\$ -	Yes	
2								YES	\$ -	Yes	
3								YES	\$ -	Yes	
4								YES	\$ -	Yes	
5								YES	\$ -	Yes	
6								YES	\$ -	Yes	E.
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):

						Excluded Amount Prior to FO			Additional			
		Purchase		MWh	Cost	Calcu	lation	Excluded in FO		Exclusion	HAEFLING	
	MM/DD/YY Hr	From	Cost \$	Purch	\$/MWh	\$/MWh	\$	Calculation?		For FAC	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	\$	-	-	

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