

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

AN EXAMINATION OF THE APPLICATION OF)
THE FUEL ADJUSTMENT CLAUSE OF) CASE NO.
KENTUCKY UTILITIES COMPANY FROM) 2017-00003
NOVEMBER 1, 2014 THROUGH OCTOBER 31, 2016)

SUPPLEMENTAL RESPONSE TO QUESTION NO. 2 OF
KENTUCKY UTILITIES COMPANY
TO
COMMISSION STAFF'S POST HEARING REQUEST FOR INFORMATION
IN COMMISSION'S ORDER DATED APRIL 21, 2017

FILED: July 5, 2017

VERIFICATION

COMMONWEALTH OF KENTUCKY)
) SS:
COUNTY OF JEFFERSON)

The undersigned, **Derek Rahn**, being duly sworn, deposes and says that he is Manager - Revenue Requirement 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.


Derek Rahn

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 5th day of July 2017.

 (SEAL)

Notary Public

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

KENTUCKY UTILITIES COMPANY

**Supplemental Response to Question No. 2
of Commission Staff's Post Hearing Request for Information
in Commission's Order Dated April 21, 2017**

Case No. 2017-00003

Question No. 2

Witness: Derek Rahn

Q-2. If a final Order is issued in KU's current base rate proceeding before a final Order is issued in this proceeding, provide an updated response to the Commission's February 6, 2017 Request for Information, Item 16, to show the effect of KU's proposed decrease in base fuel costs on base rates.

A-2. **Original Response:**

See attached. In developing the attachment, the Company utilized the rates developed and presented in the Stipulation and Recommendation filed in Case No. 2016-00370 on April 19, 2017.

July 5, 2017 Supplemental Response:

See attached. In developing the attachment, the Company utilized the rates of final Order presented in Case No. 2016-00370 on June 29, 2017.

Kentucky Utilities Company Revised Tariffs

Tariff Sheet No.	Rate Schedule	Commission Order dated 6/29/17									
		Base Rates -- Energy, Fuel and ECR		Existing Fuel Component of Base Rates	Existing Base Rate -- Excluding Fuel Base	Revised Fuel Component of Base Rates	Revised Base Rates including Fuel and ECR				
		\$						\$	\$	\$	\$
5	RS	\$	0.09078	\$	0.02892	\$	0.06186	\$	0.02609	\$	0.08795
6	RTOD-Energy										
	Off Peak	\$	0.05923	\$	0.02892	\$	0.03031	\$	0.02609	\$	0.05640
	On Peak	\$	0.27646	\$	0.02892	\$	0.24754	\$	0.02609	\$	0.27363
6.1	RTOD - Demand	\$	0.04509	\$	0.02892	\$	0.01617	\$	0.02609	\$	0.04226
7	VFD	\$	0.09078	\$	0.02892	\$	0.06186	\$	0.02609	\$	0.08795
10	GS	\$	0.10437	\$	0.02892	\$	0.07545	\$	0.02609	\$	0.10154
12	AES	\$	0.08313	\$	0.02892	\$	0.05421	\$	0.02609	\$	0.08030
15	PS										
	Secondary	\$	0.03553	\$	0.02892	\$	0.00661	\$	0.02609	\$	0.03270
	Primary	\$	0.03454	\$	0.02892	\$	0.00562	\$	0.02609	\$	0.03171
20	TODS	\$	0.03512	\$	0.02892	\$	0.00620	\$	0.02609	\$	0.03229
22	TODP	\$	0.03419	\$	0.02892	\$	0.00527	\$	0.02609	\$	0.03136
25	RTS	\$	0.03341	\$	0.02892	\$	0.00449	\$	0.02609	\$	0.03058
30	FLS										
	Primary	\$	0.03419	\$	0.02892	\$	0.00527	\$	0.02609	\$	0.03136
	Transmission	\$	0.03319	\$	0.02892	\$	0.00427	\$	0.02609	\$	0.03036
37	LE	\$	0.07328	\$	0.02892	\$	0.04436	\$	0.02609	\$	0.07045
38	TE	\$	0.09019	\$	0.02892	\$	0.06127	\$	0.02609	\$	0.08736
79	SPS	\$	0.03572	\$	0.02892	\$	0.00680	\$	0.02609	\$	0.03289
80	STOD	\$	0.03527	\$	0.02892	\$	0.00635	\$	0.02609	\$	0.03244
81	OSL										
	Secondary	\$	0.03571	\$	0.02892	\$	0.00679	\$	0.02609	\$	0.03288
	Primary	\$	0.03472	\$	0.02892	\$	0.00580	\$	0.02609	\$	0.03189

KENTUCKY UTILITIES COMPANY
LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH

Page	Schedule	Kwh per year	Fuel Factor Increase \$/kWh (0.00283)	Annual Increase per year	Monthly Increase	Tariff Commission Order dated 6/29/17	Revised
35	LS Lighting Service						
	Overhead Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	High Pressure Sodium						
	462 Cobra Head	5,800	0.083	332 kWh/year	(0.94)	(0.08)	9.86 9.78
	472 Cobra Head	5,800	0.083	332 kWh/year	(0.94)	(0.08)	13.53 13.45
	463 Cobra Head	9,500	0.117	468 kWh/year	(1.32)	(0.11)	10.35 10.24
	473 Cobra Head	9,500	0.117	468 kWh/year	(1.32)	(0.11)	14.22 14.11
	464 Cobra Head	22,000	0.242	968 kWh/year	(2.74)	(0.23)	16.08 15.85
	474 Cobra Head	22,000	0.242	968 kWh/year	(2.74)	(0.23)	20.23 20.00
	465 Cobra Head	50,000	0.471	1,884 kWh/year	(5.33)	(0.44)	25.61 25.17
	475 Cobra Head	50,000	0.471	1,884 kWh/year	(5.33)	(0.44)	28.39 27.95
	487 Directional	9,500	0.117	468 kWh/year	(1.32)	(0.11)	10.19 10.08
	488 Directional	22,000	0.242	968 kWh/year	(2.74)	(0.23)	15.42 15.19
	489 Directional	50,000	0.471	1,884 kWh/year	(5.33)	(0.44)	21.95 21.51
	428 Open Bottom	9,500	0.117	468 kWh/year	(1.32)	(0.11)	8.87 8.76
	Metal Halide						
	451 Directional	32,000	0.350	1,400 kWh/year	(3.96)	(0.33)	22.80 22.47
	Light Emitting Diode (LED)						
	390 Cobra Head	8,179	0.080	320 kWh/year	(0.91)	(0.08)	14.92 14.84
	391 Cobra Head	14,166	0.134	536 kWh/year	(1.52)	(0.13)	18.09 17.96
	392 Cobra Head	23,214	0.228	912 kWh/year	(2.58)	(0.22)	27.63 27.41
35.1	LS Lighting Service						
	LED (continued)						
	393 Open Bottom	5,007	0.050	200 kWh/year	(0.57)	(0.05)	9.94 9.89
	Underground Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	High Pressure Sodium						
	467 Colonial	5,800	0.083	332 kWh/year	(0.94)	(0.08)	12.60 12.52
	468 Colonial	9,500	0.117	468 kWh/year	(1.32)	(0.11)	12.93 12.82
	401 Acorn	5,800	0.083	332 kWh/year	(0.94)	(0.08)	17.19 17.11
	411 Acorn	5,800	0.083	332 kWh/year	(0.94)	(0.08)	24.52 24.44
	420 Acorn	9,500	0.117	468 kWh/year	(1.32)	(0.11)	17.65 17.54
	430 Acorn	9,500	0.117	468 kWh/year	(1.32)	(0.11)	25.11 25.00
	414 Victorian	5,800	0.083	332 kWh/year	(0.94)	(0.08)	34.08 34.00
	415 Victorian	9,500	0.117	468 kWh/year	(1.32)	(0.11)	34.39 34.28
	492 Contemporary	5,800	0.083	332 kWh/year	(0.94)	(0.08)	17.12 17.04
	476 Contemporary	5,800	0.083	332 kWh/year	(0.94)	(0.08)	19.36 19.28
	497 Contemporary	9,500	0.117	468 kWh/year	(1.32)	(0.11)	17.00 16.89
	477 Contemporary	9,500	0.117	468 kWh/year	(1.32)	(0.11)	23.95 23.84
	498 Contemporary	22,000	0.242	968 kWh/year	(2.74)	(0.23)	19.84 19.61
	478 Contemporary	22,000	0.242	968 kWh/year	(2.74)	(0.23)	30.85 30.62
	499 Contemporary	50,000	0.471	1,884 kWh/year	(5.33)	(0.44)	24.15 23.71
	479 Contemporary	50,000	0.471	1,884 kWh/year	(5.33)	(0.44)	38.12 37.68
	300 Dark Sky	4,000	0.060	240 kWh/year	(0.68)	(0.06)	24.87 24.81
	301 Dark Sky	9,500	0.117	468 kWh/year	(1.32)	(0.11)	25.99 25.88
35.2	LS Lighting Service						
	Underground Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	Metal Halide						
	491 Contemporary	32,000	0.350	1,400 kWh/year	(3.96)	(0.33)	24.68 24.35
	495 Contemporary	32,000	0.350	1,400 kWh/year	(3.96)	(0.33)	38.87 38.54
	Light Emitting Diode (LED)						
	396 Cobra Head	8,179	0.080	320 kWh/year	(0.91)	(0.08)	35.44 35.36
	397 Cobra Head	14,166	0.134	536 kWh/year	(1.52)	(0.13)	38.61 38.48
	398 Cobra Head	23,214	0.228	912 kWh/year	(2.58)	(0.22)	48.14 47.92
	399 Colonial, 4-Sided	5,665	0.068	272 kWh/year	(0.77)	(0.06)	37.51 37.45

KENTUCKY UTILITIES COMPANY
LIGHTING SCHEDULES; ALL RATES PER UNIT PER MONTH

Page	Schedule	Kwh per year	Fuel Factor Increase \$/kWh	Annual Increase per year	Monthly Increase	Commission Order dated 6/29/17	Tariff Revised
36	RLS Restricted Lighting Service		(0.00283)				
	Overhead Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	High Pressure Sodium						
	461 Cobra Head	4,000	0.060	240 kWh/year	(0.68)	(0.06)	8.85 8.79
	471 Cobra Head	4,000	0.060	240 kWh/year	(0.68)	(0.06)	12.17 12.11
	409 Cobra Head	50,000	0.471	1,884 kWh/year	(5.33)	(0.44)	14.07 13.63
	426 Open Bottom	5,800	0.083	332 kWh/year	(0.94)	(0.08)	8.54 8.46
	Metal Halide						
	450 Directional	12,000	0.150	600 kWh/year	(1.70)	(0.14)	16.13 15.99
	454 Directional	12,000	0.150	600 kWh/year	(1.70)	(0.14)	20.89 20.75
	455 Directional	32,000	0.350	1,400 kWh/year	(3.96)	(0.33)	27.56 27.23
	452 Directional	107,800	1.080	4,320 kWh/year	(12.23)	(1.02)	47.70 46.68
	459 Directional	107,800	1.080	4,320 kWh/year	(12.23)	(1.02)	52.45 51.43
	Mercury Vapor						
	446 Cobra Head	7,000	0.207	828 kWh/year	(2.34)	(0.20)	10.84 10.64
	456 Cobra Head	7,000	0.207	828 kWh/year	(2.34)	(0.20)	13.34 13.14
	447 Cobra Head	10,000	0.294	1,176 kWh/year	(3.33)	(0.28)	12.85 12.57
	457 Cobra Head	10,000	0.294	1,176 kWh/year	(3.33)	(0.28)	15.07 14.79
	448 Cobra Head	20,000	0.453	1,812 kWh/year	(5.13)	(0.43)	14.53 14.10
	458 Cobra Head	20,000	0.453	1,812 kWh/year	(5.13)	(0.43)	17.01 16.58
	404 Open Bottom	7,000	0.207	828 kWh/year	(2.34)	(0.20)	11.87 11.67
36.1	RLS Restricted Lighting Service						
	Overhead Service (continued)						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	Incandescent						
	421 Tear Drop	1,000	0.102	408 kWh/year	(1.15)	(0.10)	3.81 3.71
	422 Tear Drop	2,500	0.201	804 kWh/year	(2.28)	(0.19)	5.11 4.92
	424 Tear Drop	4,000	0.327	1,308 kWh/year	(3.70)	(0.31)	7.63 7.32
	425 Tear Drop	6,000	0.447	1,788 kWh/year	(5.06)	(0.42)	10.19 9.77
	Underground Service						
	Rate Code Type of Fixture	Approximate Lumens	kW Per Light				
	Metal Halide						
	460 Directional	12,000	0.150	600 kWh/year	(1.70)	(0.14)	31.23 31.09
	469 Directional	32,000	0.350	1,400 kWh/year	(3.96)	(0.33)	37.00 36.67
	470 Directional	107,800	1.080	4,320 kWh/year	(12.23)	(1.02)	61.66 60.64
	490 Contemporary	12,000	0.150	600 kWh/year	(1.70)	(0.14)	17.45 17.31
	494 Contemporary	12,000	0.150	600 kWh/year	(1.70)	(0.14)	31.42 31.28
	493 Contemporary	107,800	1.080	4,320 kWh/year	(12.23)	(1.02)	51.32 50.30
	496 Contemporary	107,800	1.080	4,320 kWh/year	(12.23)	(1.02)	65.28 64.26
	High Pressure Sodium						
	440 Acorn	4,000	0.060	240 kWh/year	(0.68)	(0.06)	15.70 15.64
	410 Acorn	4,000	0.060	240 kWh/year	(0.68)	(0.06)	23.15 23.09

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			(0.00283)				
	466 Colonial	4,000	0.060	240 kWh/year	(0.68)	(0.06)	11.19 11.13
	412 Coach	5,800	0.083	332 kWh/year	(0.94)	(0.08)	34.07 33.99
	413 Coach	9,500	0.117	468 kWh/year	(1.32)	(0.11)	34.40 34.29
36.2	RLS Restricted Lighting Service	Approximate Lumens	kW Per Light				
	Underground Service						
	360 Granville	16,000	0.181	724 kWh/year	(2.05)	(0.17)	62.30 62.13