

Andrea M. Fackler

Manager, Revenue Requirement/Cost of Service
State Regulation and Rates
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VIA ELECTRONIC FILING

Ms. Linda Bridwell
Executive Director
Kentucky Public Service Commission
211 Sower Boulevard
Frankfort, Kentucky 40601-8294

RECEIVED

AUG 12 2022

PUBLIC SERVICE
COMMISSION

August 12, 2022

Dear Ms. Bridwell:

Enclosed are completed forms for Louisville Gas and Electric Company showing fuel inventories, power transactions, fuel purchases, and SEEM activities for the month of June 2022.

Sincerely,

A handwritten signature in blue ink that reads 'Andrea M. Fackler'.

Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: June 30, 2022

Fuel: Coal

Mill Creek High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	5/31/2022	\$ 20,887,009.18	9,510,592.28	\$ 2.1962	410,344.91	\$ 50.9011
Add: Purchases		\$ 12,252,059.07	5,307,706.49	\$ 2.3084	227,627.50	\$ 53.8250
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 33,139,068.25	14,818,298.77	\$ 2.2364	637,972.41	\$ 51.9444
Less: Fuel Burned		\$ 12,885,466.38	5,876,124.37	\$ 2.1929	253,412.00	\$ 50.8479
Ending Inventory	6/30/2022	\$ 20,253,601.87	8,942,174.40	\$ 2.2650	384,560.41	\$ 52.6669

Trimble County High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	5/31/2022	\$ 5,733,832.24	2,673,937.83	\$ 2.1443	117,142.57	\$ 48.9475
Add: Purchases		\$ 14,344,891.99	6,707,372.74	\$ 2.1387	294,530.74	\$ 48.7042
Adjustments		\$ (5,450,000.56) (2)	(2,550,320.70) (2)	\$ 2.1370	(112,003.01) (2)	\$ 48.6594
Sub-Total		\$ 14,628,723.67	6,830,989.87	\$ 2.1415	299,670.30	\$ 48.8161
Less: Fuel Burned-Jurisdictional		\$ 5,648,812.68	2,633,530.75	\$ 2.1450	115,583.76	\$ 48.8720
Fuel Burned-Non-Jurisdictional		\$ 2,354,374.45	1,097,634.07	\$ 2.1450	48,174.36	\$ 48.8719
Total Burn		\$ 8,003,187.13	3,731,164.82	\$ 2.1450	163,758.12	\$ 48.8720
Ending Inventory	6/30/2022	\$ 6,625,536.54	3,099,825.05	\$ 2.1374	135,912.18	\$ 48.7487

Trimble County PRB

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	5/31/2022	\$ 1,157,113.45	462,023.18	\$ 2.5044	26,108.54	\$ 44.3193
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 561,118.84 (3)	212,751.35 (3)	\$ 2.6374	12,045.72 (3)	\$ 46.5824
Sub-Total		\$ 1,718,232.29	674,774.53	\$ 2.5464	38,154.26	\$ 45.0338
Less: Fuel Burned-Jurisdictional		\$ 371,028.66	146,600.50	\$ 2.5309	8,288.53	\$ 44.7641
Fuel Burned-Non-Jurisdictional		\$ 154,656.68	61,107.77	\$ 2.5309	3,454.92	\$ 44.7642
Total Burn		\$ 525,685.34	207,708.27	\$ 2.5309	11,743.45	\$ 44.7641
Ending Inventory	6/30/2022	\$ 1,192,546.95	467,066.26	\$ 2.5533	26,410.81	\$ 45.1537

Coal In Transit

		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	6/30/2022	\$ 2,116,471.50 (1)	928,636.45 (1)	\$ 2.2791	41,138.60 (1)	\$ 51.4473
Total Combined Inventory	6/30/2022	\$ 30,188,156.86	13,437,702.16	\$ 2.2465	588,022.01	\$ 51.3385

(1) Coal In Transit consists of coal purchased and owned by LG&E but has not arrived at the plants.

(2) Adjustment to transfer KU's portion of Trimble County 2 coal between LG&E and KU; barge costs and fleeting.

(3) Adjustment to transfer LG&E's portion of Trimble County 2 coal between LG&E and KU; as well as for barge costs, fleeting, solid fuel, demurrage transloading.

Company: Louisville Gas and Electric Company

Plant: Trimble County

Month Ended: June 30, 2022

Fuel: Fuel Oil

<u>Trimble County</u>		<u>Amount</u>	<u>Gallons</u>	<u>Per Unit</u>
Beginning Inventory	5/31/2022	\$ 13,778.14	6,882.92	\$ 2.0018
Add: Purchases		\$ -	-	\$ -
Adjustments		<u>\$ -</u>	<u>-</u>	\$ -
Sub-Total		\$ 13,778.14	6,882.92	\$ 2.0018
Less: Fuel Burned-Jurisdictional		\$ -	-	\$ -
Fuel Burned-Non-Jurisdictional		<u>\$ -</u>	<u>-</u>	\$ -
Total Burn		\$ -	-	\$ -
Ending Inventory	6/30/2022	<u><u>\$ 13,778.14</u></u>	<u><u>6,882.92</u></u>	\$ 2.0018

Company: Louisville Gas and Electric Company

Plant: Mill Creek, Paddy's Run, Cane Run, Trimble County, and E.W. Brown

Month Ended: June 30, 2022

Fuel: Natural Gas

Mill Creek and Paddy's Run

		Amount	MCF	Per Unit
Beginning Inventory	5/31/2022	\$ -	-	\$ -
Add: Purchases		\$ 3,200,196.02	370,806	\$ 8.6304
Paddy's Run Gas Fixed Gas Demand Charge		\$ 241,159.35	-	\$ -
Total Purchases		\$ 3,441,355.37	370,806	\$ 9.2807
Adjustments		\$ -	-	\$ -
Sub-Total		\$ 3,441,355.37	370,806	\$ 9.2807
Less: Fuel Burned LG&E Share		\$ 2,001,002.52	205,506	\$ 9.7370
Paddy's Run Purchases Allocated to KU		\$ 1,350,314.10	165,300	\$ 8.1689
Paddy's Run Fixed Gas Demand Charge Allocated to KU		\$ 90,038.75	-	\$ -
Total Burn		\$ 3,441,355.37	370,806	\$ 9.2807
Ending Inventory	6/30/2022	\$ -	-	\$ -

Cane Run 7

		Amount	Units (MCF)	Per Unit
Beginning Inventory	5/31/2022	\$ 1,354,122.25	257,169	\$ 5.2655
Add: Purchases		\$ 6,090,089.70	1,000,646	\$ 6.0862
Fixed Gas Demand Charge		\$ 813,354.09	-	\$ -
Total Purchases		\$ 6,903,443.79	1,000,646	\$ 6.8990
Adjustments		\$ 75,006.99 (1)	(25,443) (2)	\$ (2.9480)
Sub-Total		\$ 8,332,573.03	1,232,372	\$ 6.7614
Less: Fuel Burned LG&E Share		\$ 1,610,381.25	234,609	\$ 6.8641
Purchases Allocated to KU		\$ 5,075,114.01	831,795	\$ 6.1014
Fixed Gas Demand Charge Allocated to KU		\$ 634,416.19	-	\$ -
Total Burn		\$ 7,319,911.45	1,066,404	\$ 6.8641
Ending Inventory	6/30/2022	\$ 1,012,661.58	165,968	\$ 6.1015

Trimble County Start-up and Stabilization

		Amount	Units (MCF)	Per Unit
Beginning Inventory	5/31/2022	\$ -	-	\$ -
Add: Purchases		\$ 51,866.75	7,350	\$ 7.0567
Fixed Gas Demand Charge		\$ 158,419.62	-	\$ -
Total Purchases		\$ 210,286.37	7,350	\$ 28.6104
Adjustments		\$ -	-	\$ -
Sub-Total		\$ 210,286.37	7,350	\$ 28.6104
Less: Fuel Burned LG&E Share-Jurisdictional		\$ 71,516.10	2,291	\$ 31.2161
Fuel Burned Non-Jurisdictional		\$ 30,071.52 (3)	964 (3)	\$ 31.1945
Purchases Allocated to KU		\$ 27,696.53	4,095	\$ 6.7635
Fixed Gas Demand Charge Allocated to KU		\$ 78,847.19	-	\$ -
Total Burn		\$ 208,131.34	7,350	\$ 28.3172
Ending Inventory	6/30/2022	\$ 2,155.03	-	\$ -

<u>Trimble County CTs</u>		Amount	Units (MCF)	Per Unit
Beginning Inventory	5/31/2022	\$ 1,838,603.95	249,346	\$ 7.3737
Add: Purchases		\$ 30,681,076.42	4,420,737	\$ 6.9403
Fixed Gas Demand Charge		\$ 1,459,405.38	-	\$ -
Total Purchases		\$ 32,140,481.80	4,420,737	\$ 7.2704
Adjustments		\$ 16,369.57 (1)	(59,417) (2)	\$ (0.2755)
Sub-Total		\$ 33,995,455.32	4,610,666	\$ 7.3732
Less: Fuel Burned LG&E Share		\$ 11,498,047.35	1,558,375	\$ 7.3782
Purchases Allocated to KU		\$ 20,654,502.21	2,926,935	\$ 7.0567
Fixed Gas Demand Charge Allocated to KU		\$ 958,342.90	-	\$ -
Purchases Allocated to Trimble Country Start-up and Stabilization		\$ 51,866.75	7,350	\$ 7.0567
Total Burn		\$ 33,162,759.21	4,492,660	\$ 7.3815
Ending Inventory	6/30/2022	\$ 832,696.11	118,006	\$ 7.0564
 <u>Brown CTs</u>				
Beginning Inventory	5/31/2022	\$ -	-	\$ -
Add: Purchases Allocated from KU		\$ 2,901,156.53	362,767	\$ 7.9973
Adjustments		\$ -	-	\$ -
Sub-Total		\$ 2,901,156.53	362,767	\$ 7.9973
Less: Fuel Burned		\$ 2,901,156.53	362,767	\$ 7.9973
Ending Inventory	6/30/2022	\$ -	-	\$ -
Total Combined Inventory	6/30/2022	\$ 1,847,512.72	283,974	\$ 6.5059

(1) Includes depreciation addition, current month prepaid gas accrual, and/or third-party gas scoping cost accrual. Offset by reversal of prior month gas and scoping cost accrual.

(2) Includes current month prepaid gas accrual. Offset by reversal of prior month gas accrual and pipeline inventory loss adjustments.

(3) Represents the partnership allocation for start-up and stabilization gas.



Louisville Gas and Electric Company

Power Transaction Schedule

Month Ended June 30, 2022

Company	Type of Transaction	KWH	Billing Components				
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)	
Purchases							
ENERGY IMBALANCE	IMBL	Economy	797,000	\$ -	\$ 63,033.69	\$ -	\$ 63,033.69
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	1,087,000	\$ -	\$ 61,296.99	\$ (0.00)	\$ 61,296.99
LQF TARIFF PURCHASE POWER	LQF TARIFF	LQF TARIFF	59,640	\$ -	\$ 1,421.22	\$ -	\$ 1,421.22
SOLAR SHARE PROGRAM	SSP	SSP	-	\$ -	\$ 1,213.47	\$ -	\$ 1,213.47
NMS-2	NMS-2	NMS-2	160,035	\$ -	\$ 10,236.25	\$ -	\$ 10,236.25
SQF TARIFF PURCHASE POWER	SQF TARIFF	SQF Tariff	2,400	\$ -	\$ 57.19	\$ -	\$ 57.19
KENTUCKY UTILITIES COMPANY	KU	Economy	63,469,000	\$ -	\$ 3,890,899.10	\$ 1,666.11	\$ 3,892,565.21
OHIO VALLEY ELECTRIC CORPORATION	OVEC	Economy	69,019,000	\$ 1,899,730.35	\$ 2,002,581.43	\$ -	\$ 3,902,311.78
Total Purchases			134,594,075	\$ 1,899,730.35	\$ 6,030,739.34	\$ 1,666.11	\$ 7,932,135.80
Sales							
INDIANA MUNICIPAL POWER AGENCY	IMPA	Economy	1,000		\$ 55.05	\$ 24.06	\$ 79.11
ENERGY IMBALANCE	IMBL	Economy	253,000		\$ 15,023.69	\$ 6,433.19	\$ 21,456.88
MACQUARIECOOK	MACQUARIE	Economy	-		\$ 0.01	\$ (0.01)	\$ -
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	22,000		\$ 1,697.76	\$ 452.44	\$ 2,150.20
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	11,000		\$ 1,120.77	\$ 486.55	\$ 1,607.32
THE ENERGY AUTHORITY	TEA	Economy	89,000		\$ 6,232.46	\$ 2,723.61	\$ 8,956.07
KENTUCKY UTILITIES COMPANY	KU	Economy	52,396,000		\$ 1,968,146.45	\$ 894.82	\$ 1,969,041.27
Total Sales			52,772,000	\$ -	\$ 1,992,276.19	\$ 11,014.66	\$ 2,003,290.85



**Detailed Power Transaction Schedule
Month Ended June 30, 2022**

<u>Company</u>		KWH	Native Load			Forced Outages		
			Energy Cost (\$)	KWH	\$/MWH	Energy Cost (\$)	KWH	\$/MWH
Purchases								
ENERGY IMBALANCE	IMBL	797,000	\$ 53,565.38	668,000	\$ 80.19	\$ 3,333.39	51,000	\$ 65.36
PJM INTERCONNECTION ASSOCIATION	PJM	1,087,000	\$ 61,197.49	1,086,000	\$ 56.35	\$ -	-	\$ -
LQF TARIFF PURCHASE POWER	LQF TARIFF	59,640	\$ 1,421.22	59,640	\$ 23.83	\$ -	-	\$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 1,213.47	-	\$ -	\$ -	-	\$ -
NMS-2	NMS-2	160,035	\$ 10,236.25	160,035	\$ 63.96	\$ -	-	\$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	2,400	\$ 57.19	2,400	\$ 23.83	\$ -	-	\$ -
KENTUCKY UTILITIES COMPANY	KU	63,469,000	\$ 3,879,268.29	63,307,000	\$ 61.28	\$ -	-	\$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	69,019,000	\$ 1,938,301.84	69,019,000	\$ 28.08	\$ -	-	\$ -
Total Purchases		134,594,075	\$ 5,945,261.13	134,302,075	\$ 44.27	\$ 3,333.39	51,000	\$ 65.36

* 50,931 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales								
INDIANA MUNICIPAL POWER AGENCY	IMPA	1,000						
ENERGY IMBALANCE	IMBL	253,000						
MACQUARIECOOK	MACQUARIE	-						
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	22,000						
PJM INTERCONNECTION ASSOCIATION	PJM	11,000						
THE ENERGY AUTHORITY	TEA	89,000						
KENTUCKY UTILITIES COMPANY	KU	52,396,000						
Total Sales		52,772,000	\$ -	-	\$ -	\$ -	-	\$ -



Detailed Power Transaction Schedule
Month Ended June 30, 2022

Company	KWH	OSS Purchases		Adj. From Prior Month (\$)	Total Energy * Charges (\$)	Demand(\$)	Other Charges(\$)	Total Charges(\$)
		Energy Cost (\$)	KWH					
Purchases								
ENERGY IMBALANCE	IMBL 797,000	\$ 6,134.92	78,000	\$ 78.65	\$ -	\$ 63,033.69	\$ -	\$ 63,033.69
PJM INTERCONNECTION ASSOCIATION	PJM 1,087,000	\$ 99.50	1,000	\$ 99.50	\$ 0.00	\$ 61,296.99	\$ (0.00)	\$ 61,296.99
LQF TARIFF PURCHASE POWER	LQF TARIFF 59,640	\$ -	-	\$ -	\$ -	\$ 1,421.22	\$ -	\$ 1,421.22
SOLAR SHARE PROGRAM	SSP -	\$ -	-	\$ -	\$ -	\$ 1,213.47	\$ -	\$ 1,213.47
NMS-2	NMS-2 160,035	\$ -	-	\$ -	\$ -	\$ 10,236.25	\$ -	\$ 10,236.25
SQF TARIFF PURCHASE POWER	SQF TARIFF 2,400	\$ -	-	\$ -	\$ -	\$ 57.19	\$ -	\$ 57.19
KENTUCKY UTILITIES COMPANY	KU 63,469,000	\$ 11,630.81	162,000	\$ 71.80	\$ -	\$ 3,890,899.10	\$ 1,666.11	\$ 3,892,565.21
OHIO VALLEY ELECTRIC CORPORATION	OVEC 69,019,000	\$ -	-	\$ -	\$ 64,279.59	\$ 2,002,581.43	\$ 1,899,730.35	\$ 3,902,311.78
Total Purchases	134,594,075	\$ 17,865.23	241,000	\$ 74.13	\$ 64,279.59	\$ 6,030,739.34	\$ 1,899,730.35	\$ 7,932,135.80

* 50,931 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales								
INDIANA MUNICIPAL POWER AGENCY	IMPA 1,000	\$ 40.76	1,000	\$ 40.76	\$ -	\$ 55.05	\$ 24.06	\$ 79.11
ENERGY IMBALANCE	IMBL 253,000	\$ 11,123.27	162,000	\$ 68.66	\$ -	\$ 15,023.69	\$ 6,433.19	\$ 21,456.88
MACQUARIECOOK	MACQUARIE -	\$ 0.01	-	\$ -	\$ -	\$ 0.01	\$ (0.01)	\$ -
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO 22,000	\$ 1,256.99	14,000	\$ 89.79	\$ -	\$ 1,697.76	\$ 452.44	\$ 2,150.20
PJM INTERCONNECTION ASSOCIATION	PJM 11,000	\$ 829.80	7,000	\$ 118.54	\$ -	\$ 1,120.77	\$ 486.55	\$ 1,607.32
THE ENERGY AUTHORITY	TEA 89,000	\$ 4,614.40	57,000	\$ 80.95	\$ -	\$ 6,232.46	\$ 2,723.61	\$ 8,956.07
KENTUCKY UTILITIES COMPANY	KU 52,396,000	\$ -	-	\$ -	\$ -	\$ 1,968,146.45	\$ 894.82	\$ 1,969,041.27
Total Sales	52,772,000	\$ 17,865.23	241,000	\$ 74.13	\$ -	\$ 1,992,276.19	\$ 11,014.66	\$ 2,003,290.85

	KWH	\$/MWH
GENERATION FOR OSS	135,000	\$ 46.40
GENERATION FOR INTERNAL ECONOMY TO KU	52,282,000	\$ 37.37
GENERATION FOR INTERNAL REPLACEMENT TO KU	114,000	\$ 60.77
SPLIT SAVINGS		\$ 7,253.81
SALES FROM INTERNAL GENERATION	52,531,000	\$ 1,974,410.96
SALES FROM OSS PURCHASES	241,000	\$ 17,865.23
	52,772,000	\$ 1,992,276.19
ADJUSTMENTS FROM PRIOR MONTHS	-	\$ -
	52,772,000	\$ 1,992,276.19

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Jun - 2022**

Station & Supplier	PBDU	POCN	MT	Mine Type	State code	Tons Purchased	BTU Per Lb.	No. MMBTU Per Ton	F.O.B. Mine		Transportation Cost		Delivered Cost			% Sulfur	% Ash	% H2O
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU				
(a)	(b)	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
Mill Creek																		
Mill Creek High Sulfur Coal																		
Long Term Contract																		
ACNR Coal Sales Inc	P	J21002	R	U	WKY	106,202.08	11,948	23.896	43.10	180.37	6.46	27.03	49.56	207.40	3.05	9.47	9.18	
Alliance Coal LLC	P	J21003	R	U	WKY	84,849.90	11,350	22.701	40.70	179.28	6.50	28.64	47.20	207.92	3.22	14.61	8.50	
Foresight Coal Sales LLC	P	J21011	B	U	IL	3,247.87	10,784	21.568	27.75	128.64	4.21	19.52	31.96	148.16	3.62	8.05	15.56	
Foresight Coal Sales LLC	P	J21011	B	U	IL	3,235.25	11,880	23.761	27.75	116.77	4.20	17.72	31.95	134.49	2.47	8.60	10.00	
Total Long Term						197,535.10	11,671	23.342	41.57	178.07	6.40	27.43	47.97	205.50	3.12	11.64	9.00	
Spot Contract																		
Alliance Coal LLC	P	J22013	R	U	WKY	30,092.40	11,578	23.155	80.40	347.22	6.50	28.07	86.90	375.29	3.18	13.28	8.26	
Total Spot						30,092.40	11,578	23.155	80.40	347.22	6.50	28.07	86.90	375.29	3.18	13.28	8.26	
Total Mill Creek						227,627.50	11,659	23.318	46.70	200.28	6.42	27.51	53.12	227.79	3.13	11.86	8.91	

(b) Designated by symbol
P= Producer D= Distributor
B= Broker U-Utility

(c) POCN = Purchase Order
or Contract Number

(d) MT = Mode of Transportation
Designated by Symbol

R = Rail T = Truck B = Barge P = Pipeline

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Jun - 2022**

Station & Supplier	PBDU	POCN	MT	Mine Type	State code	Tons Purchased	BTU Per Lb.	No. MMBTU Per Ton	F.O.B. Mine		Transportation Cost		Delivered Cost			% Sulfur	% Ash	% H2O
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU				
(a)	(b)	(c)	(d)			(e)	(f)	(g)	(h)	(i)	(j)	(k)	(l)	(m)	(n)	(o)	(p)	
Trimble County																		
Trimble County High Sulfur Coal																		
Long Term Contract																		
Alliance Coal LLC	P	J21004	B	U	IL	9,765.88	11,730	23.461	40.26	171.59	4.63	19.73	44.89	191.32	2.49	8.73	10.80	
Alliance Coal LLC	P	J21004	B	U	WKY	144,522.14	11,507	23.013	39.82	173.05	4.63	20.12	44.45	193.17	3.02	9.60	11.34	
Alliance Coal LLC	P	J21010	B	U	WKY	11,542.82	11,555	23.110	38.55	166.80	4.63	20.03	43.18	186.83	3.02	9.44	11.21	
Foresight Coal Sales LLC	P	J21011	B	U	IL	4,891.75	10,805	21.610	28.25	130.74	4.63	21.42	32.88	152.16	3.48	8.44	15.19	
Foresight Coal Sales LLC	P	J21011	B	U	IL	8,088.18	11,927	23.854	27.75	116.31	4.63	19.41	32.38	135.72	2.56	8.42	9.83	
Knight Hawk Coal LLC	P	J21001	B	U	IL	25,803.63	11,264	22.527	39.28	174.36	9.37	41.59	48.65	215.95	3.04	8.87	12.38	
Knight Hawk Coal LLC	P	J21022	B	U	IL	18,873.97	11,276	22.552	36.45	161.64	9.37	41.55	45.82	203.19	2.99	8.56	12.57	
Total Long Term						223,488.37	11,471	22.943	38.74	168.85	5.58	24.31	44.32	193.16	2.99	9.31	11.56	
Spot Contract																		
Alliance Coal LLC	P	J22013	B	U	WKY	16,515.28	11,515	23.030	80.78	350.77	4.63	20.10	85.41	370.87	3.03	9.44	11.43	
Coal Network LLC	B	J22014	B	S	OH	6,650.15	11,038	22.076	57.31	259.62	6.16	27.90	63.47	287.52	3.33	15.10	7.28	
Peabody COALSLES LLC	P	J22003	B	U	IL	47,876.94	10,995	21.990	43.10	195.99	8.91	40.52	52.01	236.51	2.99	8.52	13.98	
Total Spot						71,042.37	11,120	22.240	53.19	239.16	7.66	34.43	60.85	273.59	3.03	9.35	12.76	
Total Trimble County						294,530.74	11,387	22.773	42.22	185.41	6.08	26.70	48.30	212.11	3.00	9.32	11.85	
Total Louisville Gas & Electric						522,158.24	11,505	23.010	44.18	191.98	6.22	27.06	50.40	219.04	3.06	10.43	10.57	

(b) Designated by symbol
P= Producer D= Distributor
B= Broker U-Utility

(c) POCN = Purchase Order
or Contract Number

(d) MT = Mode of Transportation
Designated by Symbol

R = Rail T = Truck B = Barge P = Pipeline

LOUISVILLE GAS AND ELECTRIC COMPANY
ANALYSIS OF OTHER FUEL PURCHASES
Month Ended: June 30, 2022

<u>Fuel & Supplier</u> (a)	<u>P</u> (b)	<u>P</u> (c)	<u>M</u> (d)	<u>Station</u> <u>Name</u> (e)	<u>Gal. or</u> <u>MCF</u> <u>Purchased</u> (f)	<u>BTU Per</u> <u>Unit</u> (g)	<u>Delivered</u> <u>Cost (\$)</u> (h)	<u>Cents</u> <u>Per</u> <u>MMBtu</u> (i)	<u>%</u> <u>Sulfur</u> (j)
<u>Oil</u>									
There were no oil purchases during the current month.									
<u>Natural Gas</u>									
LG&E	U	-	P	Cane Run	168,851 (1)	1.065	1,193,913.59	663.93	-
LG&E	U	-	P	Mill Creek	19,104	1.065	327,188.35	1,608.14	-
LG&E	U	-	P	Paddy's Run	186,402 (1)	1.065	1,673,814.17	843.15	-
Kentucky Utilities	U	-	P	EW Brown CTs	362,767	1.025	2,901,156.53	780.22	-
LG&E	U	-	P	Trimble County	1,489,707 (1)	1.065	10,579,512.59	666.83	-
Total Natural Gas					<u>2,226,831</u>	<u>1.058</u>	<u>16,675,585.23</u>	<u>707.47</u>	

(b) Designated by Symbol
P = Producer
B = Broker
D = Distributor
U = Utility

(c) POCN = Purchase Order or
Contract Number

(d) MT = Mode of Transportation
Designated by Symbol
R = Rail
B = Barge
T = Truck
P = Pipeline

(j) % of Sulfur in fuel
is unavailable

(1) Amount excludes purchases allocated to KU.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Mill Creek

Month Ended: June 30, 2022

Line No.	Item Description	Unit # 1	Unit # 2	Unit # 3	Unit # 4	Total Station
1.	Unit Performance:					
	a. Capacity (name plate rating) (MW)	356	356	463	544	
	b. Capacity (average load) (2c/3a) (MW)	134	149	247	318	
	c. Net Demonstrated Capability (MW)	300	297	391	477	
	d. Net Capability Factor (1b/1c) (%)	45%	50%	63%	67%	
2.	Heat Rate:					
	a. BTU Consumed (MMBTU)	763,986	949,374	1,874,374	2,308,736	
	b. Gross Generation (MWH)	81,946	101,647	194,307	249,483	
	c. Net Generation (MWH)	68,746	90,360	177,606	228,987	
	d. Heat Rate (2a/2c) (BTU/KWH)	11,113	10,507	10,554	10,082	
3.	Operation Availability:					
	a. Hours Unit Operated	515	606	720	720	
	b. Hours Available	716	621	720	720	
	c. Hours During the Period	720	720	720	720	
	d. Availability Factor (3b/3c) (%)	99%	86%	100%	100%	
4.	Cost per KWH:					
	a. Gross Generation - FAC Basis (cents/KWH)	2.118	2.098	2.161	2.063	
	b. Net Generation - FAC Basis (cents/KWH)	2.524	2.360	2.364	2.247	
5.	Inventory Analysis:					
	a. Number of Days Supply based on actual burn at the station (1)					43

(1) Coal Pile not kept on unit basis; therefore, this figure represents actual station coal inventory at the end of the month.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Trimble County

Month Ended: June 30, 2022

Line No.	Item Description	Unit # 1	Unit # 2	Total Station
1.	Unit Performance:			
	a. Capacity (name plate rating) (MW)	566	838	
	b. Capacity (average load) (2c/3a) (MW)	426	566	
	c. Net Demonstrated Capability (MW)	493	732	
	d. Net Capability Factor (1b/1c) (%)	86%	77%	
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	3,227,601	3,761,789	
	b. Gross Generation (MWH)	334,209	438,961	
	c. Net Generation (MWH)	306,592	407,855	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,527	9,223	
3.	Operation Availability:			
	a. Hours Unit Operated	720	720	
	b. Hours Available	720	720	
	c. Hours During the Period	720	720	
	d. Availability Factor (3b/3c) (%)	100%	100%	
4.	Cost per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	2.093	1.962	
	b. Net Generation - FAC Basis (cents/KWH)	2.281	2.111	
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)			39

The information on this page represents 100% of Trimble County operating data. Trimble County 2 is jointly owned by Louisville Gas and Electric Company and Kentucky Utilities Company.

(1) Coal Pile not kept on unit basis; therefore, this figure represents actual station coal inventory.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Combustion Turbines

Month Ended: June 30, 2022

Line No.	Item Description	Paddy's Run GT-12	Paddy's Run GT-13	Trimble County 5	Trimble County 6	Trimble County 7	Trimble County 8	Trimble County 9	Trimble County 10
1.	Unit Performance:								
	a. Capacity (name plate rating) (MW)	33	178	199	199	199	199	199	199
	b. Capacity (average load) (2c/3a) (MW)	-	119	142	138	138	143	142	142
	c. Net Demonstrated Capability (MW)	23	147	159	159	159	159	159	159
	d. Net Capability Factor (1b/1c) (%)	-	81%	89%	87%	87%	90%	89%	89%
2.	Heat Rate:								
	a. BTU Consumed (MMBTU)	-	374,562	809,825	537,255	987,175	597,750	867,592	977,257
	b. Gross Generation (MWH)	-	33,207	73,703	48,351	90,235	54,562	80,781	91,276
	c. Net Generation (MWH)	(17) (1)	33,207	73,304	48,089	89,812	54,307	80,435	90,884
	d. Heat Rate (2a/2c) (BTU/KWH)	-	11,280	11,047	11,172	10,992	11,007	10,786	10,753
3.	Operation Availability:								
	a. Hours Unit Operated	-	278	517	348	649	380	566	642
	b. Hours Available	720	720	711	720	715	716	708	720
	c. Hours During the Period	720	720	720	720	720	720	720	720
	d. Availability Factor (3b/3c) (%)	100%	100%	99%	100%	99%	99%	98%	100%
4.	Cost per KWH:								
	a. Gross Generation - FAC Basis (cents/KWH)	-	9.229	7.610	7.866	7.518	7.705	7.417	7.361
	b. Net Generation - FAC Basis (cents/KWH)	-	9.229	7.652	7.908	7.554	7.741	7.449	7.392
5.	Inventory Analysis:								
	a. Number of Days Supply based on actual burn at the station					Not Applicable			

Trimble County 5, 6, 7, 8, 9 and 10 and Paddy's Run GT-13 are jointly owned by Louisville Gas and Electric Company and Kentucky Utilities. The information reported above is on a 100% basis.

(1) Negative net generation due to station usage.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Cane Run NGCC

Month Ended: June 30, 2022

Line No.	Item Description	
1.	Unit Performance:	<u>Unit # 7</u>
	a. Capacity (name plate rating) (MW)	808
	b. Capacity (average load) (2c/3a) (MW)	298
	c. Net Demonstrated Capability (MW)	662
	d. Net Capability Factor (1b/1c) (%)	45%
2.	Heat Rate:	
	a. BTU Consumed (MMBTU)	1,135,721
	b. Gross Generation (MWH)	101,861
	c. Net Generation (MWH)	96,396
	d. Heat Rate (2a/2c) (BTU/KWH)	11,782
3.	Operation Availability:	
	a. Hours Unit Operated	324
	b. Hours Available	382
	c. Hours During the Period	720
	d. Availability Factor (3b/3c) (%)	53%
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (cents/KWH)	7.186
	b. Net Generation - FAC Basis (cents/KWH)	7.594
5.	Inventory Analysis:	
	a. Number of Days Supply based on actual burn at the station	Not Applicable

The information on this page represents 100% of Cane Run NGCC operating data. Cane Run NGCC is jointly owned by Louisville Gas and Electric Company and Kentucky Utilities Company.

Adjustments for Purchases Above KU/LGE Highest Priced Units (JUNE 2022)

Cost Components of Highest Priced Units:

UNIT NAME	(1) FULL LOAD HR <small>(BTU/KWH)</small>	(2) FUEL COST <small>(¢/MBTU)</small>	(3) CONSUMABLES <small>(\$/MWH)</small>	(4) SO2 ADDER <small>(\$/MWH)</small>	(5) SCR CONSUME <small>(\$/MWH)</small>	(6) NOx ADDER <small>(\$/MWH)</small>	(7) Hg CONSUME <small>(\$/MWH)</small>	(8) DISPATCH COST <small>(\$/MWH)</small>	(6)=(3)+(4)+(5) Maint V O&M <small>(\$/MWH)</small>	(7) TOTAL PRICE <small>(\$/MWH)</small>	(8)=(6)+(7)
PADDYS RUN 12	17,692	793.00	140.30	0.00	0.00		0.01		140.31	N/A	N/A
HAEFLING	17,765	879.00	156.15	0.00	0.00		0.01		156.16	N/A	N/A

LGE Purchases Above LGE's Highest Priced Unit (PADDYS RUN 12):

MM/DD/YY Hr	Purchase From	Cost \$	Mwh Purch	Cost \$/MWh	Excluded Amount Prior to FO Calculation \$/MWh	Excluded in FO Calculation?	Additional Exclusion For FAC	PADDYS RUN 12 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	Amount Prior to FO \$/MWh	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	\$ -	

OFF-SYSTEM SALES - ELECTRIC

Electric Off-System Sales	LG&E	KU (Consolidated)
	MTD Current Year June-22	MTD Current Year June-22
Revenue		
External Sales	\$ 34,250	\$ 136,292
Internal Sales	\$ 7,823	\$ 13,297
Total	\$ 42,072	\$ 149,589
External Expenses		
Fuel	\$ (6,265)	\$ (70,260)
Purchase Power	\$ (9,496)	\$ (22,419)
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (50)	\$ 29
Transmission	\$ (1,496)	\$ (861)
RTO Costs	\$ (703)	\$ (1,028)
Inter-System Losses	\$ (121)	\$ (498)
Internal Expenses		
Fuel	\$ (6,928)	\$ (11,631)
Purchase Power	\$ (13,297)	\$ (7,823)
Other Consumables	\$ (5)	\$ 2
Transmission	\$ (289)	\$ (1,038)
Total	\$ (38,648)	\$ (115,526)
Electric Off-System Sales Margin	\$ 3,424	\$ 34,063
OSS Margin - Jurisdictional	\$ 2,568	\$ 24,198
OSS Margin - Non-Jurisdictional	\$ -	\$ 1,350
OSS Margin - Utility Share	\$ 856	\$ 8,516

SEEM Formation and Participation Costs

Expense Month: June 2022

<u>Item Description</u>	<u>LG&E</u>	<u>KU</u>
Administrative and legal expenses associated with the FERC proceeding	\$ 5,345	\$ 9,502
Costs of SEEM formation and participation	<u>\$ 15,630</u>	<u>\$ 24,446</u>
Total Costs	\$ 20,975	\$ 33,948