

Andrea M. Fackler

Manager, Revenue Requirement/Cost of Service
State Regulation and Rates
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a PPL company

VIA ELECTRONIC FILING

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

RECEIVED

DEC 13 2024

PUBLIC SERVICE
COMMISSION

December 13, 2024

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 October 2024.

Sincerely,

A handwritten signature in blue ink that reads 'Andrea M. Fackler'. The signature is fluid and cursive, with the first letters of each word being capitalized.

Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: October 31, 2024

Fuel: Coal

Mill Creek High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	9/30/2024	\$ 33,634,580.80	9,974,637.00	\$ 3.3720	432,727.21	\$ 77.7270
Add: Purchases		\$ 18,901,894.01	7,562,782.51	\$ 2.4993	331,142.57 (3)	\$ 57.0808
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 52,536,474.81	17,537,419.51	\$ 2.9957	763,869.78	\$ 68.7767
Less: Fuel Burned		\$ 18,417,089.77	5,840,524.25	\$ 3.1533	254,201.00	\$ 72.4509
Ending Inventory	10/31/2024	\$ 34,119,385.04	11,696,895.26	\$ 2.9170	509,668.78	\$ 66.9442

Trimble County High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	9/30/2024	\$ 11,817,183.90	4,765,042.24	\$ 2.4800	208,710.11	\$ 56.6201
Add: Purchases		\$ 7,100,131.69	3,353,992.16	\$ 2.1169	147,588.19	\$ 48.1077
Adjustments		\$ 504,988.98 (2)	17,168.91 (2)	\$ 29.4130	508.53 (2)	\$ 993.0368
Sub-Total		\$ 19,422,304.57	8,136,203.31	\$ 2.3871	356,806.83	\$ 54.4337
Less: Fuel Burned-Jurisdictional		\$ 5,929,415.38	2,465,508.57	\$ 2.4049	108,117.37	\$ 54.8424
Fuel Burned-Non-Jurisdictional		\$ 2,222,776.69	924,252.16	\$ 2.4049	40,530.26	\$ 54.8424
Total Burn		\$ 8,152,192.07	3,389,760.73	\$ 2.4049	148,647.63	\$ 54.8424
Ending Inventory	10/31/2024	\$ 11,270,112.50	4,746,442.58	\$ 2.3744	208,159.20	\$ 54.1418

Trimble County PRB

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	9/30/2024	\$ 1,778,604.41	570,750.52	\$ 3.1163	31,966.97	\$ 55.6388
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 552,624.88 (2)	208,170.78 (2)	\$ 2.6547	11,740.51 (2)	\$ 47.0699
Sub-Total		\$ 2,331,229.29	778,921.30	\$ 2.9929	43,707.48	\$ 53.3371
Less: Fuel Burned-Jurisdictional		\$ -	-	\$ -	-	\$ -
Fuel Burned-Non-Jurisdictional		\$ -	-	\$ -	-	\$ -
Total Burn		\$ -	-	\$ -	-	\$ -
Ending Inventory	10/31/2024	\$ 2,331,229.29	778,921.30	\$ 2.9929	43,707.48	\$ 53.3371

Coal In Transit

		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	10/31/2024	\$ 6,886,286.13 (1)	3,081,543.74 (1)	\$ 2.2347	135,865.90 (1)	\$ 50.6844
Total Combined Inventory	10/31/2024	\$ 54,607,012.96	20,303,802.88	\$ 2.6895	897,401.37	\$ 60.8502

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

(2) Inventory adjustment for KU's portion of Trimble County 2 coal to LG&E.

(3) Timing difference from month end close of accounting records while the Aligne system is real time and/or prior month adjustments.

Company: Louisville Gas and Electric Company

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

Month Ended: October 31, 2024

Fuel: Natural Gas

Paddy's Run

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	9/30/2024	\$ -	-	\$ -
Add: Purchases		\$ 72,900.34	6,532	\$ 11.1605
Paddy's Run Fixed Gas Demand Charge		\$ 249,198.00	-	\$ -
Total Purchases		<u>\$ 322,098.34</u>	<u>6,532</u>	<u>\$ 49.3108</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 322,098.34	6,532	\$ 49.3108
Less: Fuel Burned LG&E Share		\$ 194,795.59	3,462	\$ 56.2668
Paddy's Run Purchases Allocated to KU		\$ 34,262.71	3,070	\$ 11.1605
Paddy's Run Fixed Gas Demand Charge Allocated to KU		<u>\$ 93,040.04</u>	<u>-</u>	<u>\$ -</u>
Total Burn		<u>\$ 322,098.34</u>	<u>6,532</u>	<u>\$ 49.3108</u>
Ending Inventory	10/31/2024	\$ -	-	\$ -

Mill Creek

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	9/30/2024	\$ -	-	\$ -
Add: Purchases		<u>\$ 266,003.08</u>	<u>24,932</u>	<u>\$ 10.6691</u>
Total Purchases		\$ 266,003.08	24,932	\$ 10.6691
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 266,003.08	24,932	\$ 10.6691
Less: Fuel Burned		<u>\$ 266,003.08</u>	<u>24,932</u>	<u>\$ 10.6691</u>
Total Burn		\$ 266,003.08	24,932	\$ 10.6691
Ending Inventory	10/31/2024	\$ -	-	\$ -

Cane Run 7

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	9/30/2024	\$ 452,630.75	163,848	\$ 2.7625
Add: Purchases		\$ 7,449,728.22	2,616,899	\$ 2.8468
Fixed Gas Demand Charge		<u>\$ 840,465.89</u>	<u>-</u>	<u>\$ -</u>
Total Purchases		\$ 8,290,194.11	2,616,899	\$ 3.1679
Adjustments		<u>\$ 77,373.95 (1)</u>	<u>(29,872) (2)</u>	<u>\$ (2.5902)</u>
Sub-Total		\$ 8,820,198.81	2,750,875	\$ 3.2063
Less: Fuel Burned LG&E Share		\$ 1,908,372.21	594,136	\$ 3.2120
Current Month Purchases Allocated to KU		\$ 5,757,436.81	1,978,683	\$ 2.9097
Fuel Inventory Allocated to KU		\$ 353,051.99	127,801	\$ 2.7625
Fixed Gas Demand Charge Allocated to KU		<u>\$ 655,563.39</u>	<u>-</u>	<u>\$ -</u>
Total Burn		<u>\$ 8,674,424.39</u>	<u>2,700,620</u>	<u>\$ 3.2120</u>
Ending Inventory	10/31/2024	\$ 145,774.42	50,255	\$ 2.9007

Trimble County Start-up and Stabilization

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	9/30/2024	\$ -	-	\$ -
Add: Purchases		\$ 34,898.60	17,567	\$ 1.9866
Fixed Gas Demand Charge		\$ 166,515.78	-	\$ -
Total Purchases		<u>\$ 201,414.38</u>	<u>17,567</u>	\$ 11.4655
Adjustments		<u>\$ -</u>	<u>-</u>	\$ -
Sub-Total		\$ 201,414.38	17,567	\$ 11.4655
Less: Fuel Burned LG&E Share-Jurisdictional		\$ 91,517.75	13,563	\$ 6.7476
Fuel Burned Non-Jurisdictional		\$ 27,019.90 (3)	4,004 (3)	\$ 6.7482
Purchases Allocated to KU		\$ -	-	\$ -
Fixed Gas Demand Charge Allocated to KU		<u>\$ 82,876.73</u>	<u>-</u>	\$ -
Total Burn		<u>\$ 201,414.38</u>	<u>17,567</u>	\$ 11.4655
Ending Inventory	10/31/2024	\$ -	-	\$ -

Trimble County CTs

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	9/30/2024	\$ 205,821.18	90,292	\$ 2.2795
Add: Purchases		\$ 1,380,774.85	725,315	\$ 1.9037
Fixed Gas Demand Charge		<u>\$ 1,533,989.22</u>	<u>-</u>	\$ -
Total Purchases		<u>\$ 2,914,764.07</u>	<u>725,315</u>	\$ 4.0186
Adjustments		<u>\$ 16,406.14 (1)</u>	<u>(8,686) (2)</u>	\$ (1.8888)
Sub-Total		\$ 3,136,991.39	806,921	\$ 3.8876
Less: Fuel Burned LG&E Share		\$ 1,093,307.54	285,230	\$ 3.8331
Trimble County Start-up and Stabilization LG&E Share		\$ 34,898.60	17,567	\$ 1.9866
Current Month Fuel Purchases Allocated to KU		\$ 841,121.23	431,805	\$ 1.9479
Fuel Inventory Allocated to KU		\$ 129,978.51	57,020	\$ 2.2795
Fixed Gas Demand Charge Allocated to KU		\$ 1,007,319.60	-	\$ -
Trimble County Start-up and Stabilization KU Share		<u>\$ -</u>	<u>-</u>	\$ -
Total Burn		<u>\$ 3,106,625.48</u>	<u>791,622</u>	\$ 3.9244
Ending Inventory	10/31/2024	\$ 30,365.91	15,299	\$ 1.9848

Brown CTs

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	9/30/2024	\$ -	-	\$ -
Add: Current Month Purchases Allocated from KU		\$ 43,742.52	14,240	\$ 3.0718
Fuel Inventory allocated from KU		<u>\$ 9,489.21</u>	<u>3,644</u>	\$ 2.6041
Total Purchases		<u>\$ 53,231.73</u>	<u>17,884</u>	\$ 2.9765
Adjustments		\$ -	-	\$ -
Sub-Total		<u>\$ 53,231.73</u>	<u>17,884</u>	\$ 2.9765
Less: Fuel Burned		<u>\$ 53,231.73</u>	<u>17,884</u>	\$ 2.9765
Ending Inventory	10/31/2024	\$ -	-	\$ -
Total Combined Inventory	10/31/2024	<u>\$ 176,140.33</u>	<u>65,554</u>	\$ 2.6870

(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 October 31, 2024

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)	
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)		
Purchases							
EAST KENTUCKY POWER COOPERATIVE	EKPC	Economy	863,000	\$ -	\$ 28,683.14	\$ 0.00	\$ 28,683.14
ENERGY IMBALANCE	IMBL	Economy	295,000	\$ -	\$ 8,195.35	\$ -	\$ 8,195.35
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	200,000	\$ -	\$ 3,110.75	\$ -	\$ 3,110.75
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	Economy	87,000	\$ -	\$ 1,289.05	\$ -	\$ 1,289.05
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	Economy	535,000	\$ -	\$ 7,666.26	\$ -	\$ 7,666.26
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	Economy	362,000	\$ -	\$ 5,305.89	\$ -	\$ 5,305.89
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	Economy	79,000	\$ -	\$ 1,239.04	\$ -	\$ 1,239.04
LQF TARIFF PURCHASE POWER	LQF TARIFF	LQF TARIFF	56,700	\$ -	\$ 1,704.96	\$ -	\$ 1,704.96
SOLAR SHARE PROGRAM	SSP	SSP	-	\$ -	\$ 1,504.48	\$ -	\$ 1,504.48
NMS-2	NMS-2	NMS-2	810,575	\$ -	\$ 48,660.81	\$ -	\$ 48,660.81
SQF TARIFF PURCHASE POWER	SQF TARIFF	SQF Tariff	6,160	\$ -	\$ 183.71	\$ -	\$ 183.71
KENTUCKY UTILITIES COMPANY	KU	Economy	11,326,000	\$ -	\$ 291,248.44	\$ 3,876.75	\$ 295,125.19
OHIO VALLEY ELECTRIC CORPORATION	OVEC	Economy	46,920,000	\$ 2,404,880.97	\$ 1,687,149.15	\$ -	\$ 4,092,030.12
Total Purchases			61,540,435	\$ 2,404,880.97	\$ 2,085,941.03	\$ 3,876.75	\$ 4,494,698.75
Sales							
ENERGY IMBALANCE	IMBL	Economy	569,000		\$ 9,900.93	\$ 8,828.21	\$ 18,729.14
MACQUARIE ENERGY, LLC	MACQUARIE	Economy	2,578,000		\$ 66,762.86	\$ 59,900.96	\$ 126,663.82
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	3,609,000		\$ 95,477.06	\$ 85,663.92	\$ 181,140.98
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	8,983,000		\$ 259,241.07	\$ 232,596.31	\$ 491,837.38
RAINBOW ENERGY MARKETING CORP	REMC	Economy	5,730,000		\$ 146,712.00	\$ 131,632.94	\$ 278,344.94
THE ENERGY AUTHORITY	TEA	Economy	4,000		\$ 72.28	\$ 64.85	\$ 137.13
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	Economy	5,000		\$ 102.06	\$ 91.57	\$ 193.63
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	Economy	309,000		\$ 6,427.64	\$ 5,767.00	\$ 12,194.64
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	Economy	139,000		\$ 2,429.39	\$ 2,179.69	\$ 4,609.08
THE ENERGY AUTHORITY-SEEM	TEAM	Economy	359,000		\$ 8,017.19	\$ 7,193.18	\$ 15,210.37
KENTUCKY UTILITIES COMPANY	KU	Economy	108,866,000		\$ 2,733,303.43	\$ 2,139.14	\$ 2,735,442.57
Total Sales			131,151,000	\$ -	\$ 3,328,445.91	\$ 536,057.77	\$ 3,864,503.68



**Detailed Power Transaction Schedule
Month Ended October 31, 2024**

<u>Company</u>	KWH	Native Load			Forced Outages		
		Energy Cost (\$)	KWH	\$/MWH	Energy Cost (\$)	KWH	\$/MWH
<u>Purchases</u>							
EAST KENTUCKY POWER COOPERATIVE	EKPC	863,000	\$ 10,030.80	509,000	\$ 19.71	\$ -	\$ -
ENERGY IMBALANCE	IMBL	295,000	\$ 3,401.66	136,000	\$ 25.01	\$ -	\$ -
PJM INTERCONNECTION ASSOCIATION	PJM	200,000	\$ 3,110.75	200,000	\$ 15.55	\$ -	\$ -
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	87,000	\$ 1,289.05	87,000	\$ 14.82	\$ -	\$ -
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	535,000	\$ 7,666.26	535,000	\$ 14.33	\$ -	\$ -
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	362,000	\$ 5,305.89	362,000	\$ 14.66	\$ -	\$ -
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	79,000	\$ 1,239.05	79,000	\$ 15.68	\$ -	\$ -
LQF TARIFF PURCHASE POWER	LQF TARIFF	56,700	\$ 1,704.96	56,700	\$ 30.07	\$ -	\$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 1,504.48	-	\$ -	\$ -	\$ -
NMS-2	NMS-2	810,575	\$ 48,660.81	810,575	\$ 60.03	\$ -	\$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	6,160	\$ 183.71	6,160	\$ 29.82	\$ -	\$ -
KENTUCKY UTILITIES COMPANY	KU	11,326,000	\$ 194,489.14	7,975,000	\$ 24.39	\$ -	\$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	46,920,000	\$ 1,688,500.79	46,920,000	\$ 35.99	\$ -	\$ -
Total Purchases		61,540,435	\$ 1,967,087.35	57,676,435	\$ 34.11	\$ -	\$ -

*63,137 kWh related to the Solar Share Program are included in generation for FAC purposes

<u>Sales</u>							
ENERGY IMBALANCE	IMBL	569,000					
MACQUARIE ENERGY, LLC	MACQUARIE	2,578,000					
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	3,609,000					
PJM INTERCONNECTION ASSOCIATION	PJM	8,983,000					
RAINBOW ENERGY MARKETING CORP	REMC	5,730,000					
THE ENERGY AUTHORITY	TEA	4,000					
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	5,000					
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	309,000					
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	139,000					
THE ENERGY AUTHORITY-SEEM	TEAM	359,000					
KENTUCKY UTILITIES COMPANY	KU	108,866,000					
Total Sales		131,151,000	\$ -	-	\$ -	\$ -	\$ -



Detailed Power Transaction Schedule
Month Ended October 31, 2024

Company	KWH	OSS Purchases		Adj. From Prior Month (\$)	Total Energy * Charges (\$)	Demand(\$)	Other Charges(\$)	Total Charges(\$)		
		Energy Cost (\$)	\$/MWH							
Purchases										
EAST KENTUCKY POWER COOPERATIVE	EKPC	863,000	\$ 18,652.34	355,000	\$ 52.54	\$ (0.00)	\$ 28,683.14	\$ -	\$ 28,683.14	
ENERGY IMBALANCE	IMBL	295,000	\$ 4,793.69	159,000	\$ 30.15	\$ -	\$ 8,195.35	\$ -	\$ 8,195.35	
PJM INTERCONNECTION ASSOCIATION	PJM	200,000	\$ -	-	\$ -	\$ -	\$ 3,110.75	\$ -	\$ 3,110.75	
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	87,000	\$ -	-	\$ -	\$ -	\$ 1,289.05	\$ -	\$ 1,289.05	
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	535,000	\$ -	-	\$ -	\$ -	\$ 7,666.26	\$ -	\$ 7,666.26	
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	362,000	\$ -	-	\$ -	\$ -	\$ 5,305.89	\$ -	\$ 5,305.89	
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	79,000	\$ (0.01)	-	\$ -	\$ -	\$ 1,239.04	\$ -	\$ 1,239.04	
LQF TARIFF PURCHASE POWER	LQF TARIFF	56,700	\$ -	-	\$ -	\$ -	\$ 1,704.96	\$ -	\$ 1,704.96	
SOLAR SHARE PROGRAM	SSP	-	\$ -	-	\$ -	\$ -	\$ 1,504.48	\$ -	\$ 1,504.48	
NMS-2	NMS-2	810,575	\$ -	-	\$ -	\$ -	\$ 48,660.81	\$ -	\$ 48,660.81	
SQF TARIFF PURCHASE POWER	SQF TARIFF	6,160	\$ -	-	\$ -	\$ -	\$ 183.71	\$ -	\$ 183.71	
KENTUCKY UTILITIES COMPANY	KU	11,326,000	\$ 96,759.30	3,351,000	\$ 28.87	\$ -	\$ 291,248.44	\$ 3,876.75	\$ 295,125.19	
OHIO VALLEY ELECTRIC CORPORATION	OVEC	46,920,000	\$ -	-	\$ -	\$ (1,351.64)	\$ 1,687,149.15	\$ 2,404,880.97	\$ 4,092,030.12	
Total Purchases		61,540,435	\$ 120,205.32	3,865,000	\$ 31.10	\$ (1,351.64)	\$ 2,085,941.03	\$ 2,404,880.97	\$ 3,876.75	\$ 4,494,698.75

*63,137 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales									
ENERGY IMBALANCE	IMBL	569,000	\$ 1,999.76	99,000	\$ 20.20	\$ -	\$ 9,900.93	\$ 8,828.21	\$ 18,729.14
MACQUARIE ENERGY, LLC	MACQUARIE	2,578,000	\$ 13,484.59	447,000	\$ 30.17	\$ -	\$ 66,762.86	\$ 59,900.96	\$ 126,663.82
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	3,609,000	\$ 19,284.21	626,000	\$ 30.81	\$ -	\$ 95,477.06	\$ 85,663.92	\$ 181,140.98
PJM INTERCONNECTION ASSOCIATION	PJM	8,983,000	\$ 52,360.83	1,557,000	\$ 33.63	\$ -	\$ 259,241.07	\$ 232,596.31	\$ 491,837.38
RAINBOW ENERGY MARKETING CORP	REMC	5,730,000	\$ 29,632.51	994,000	\$ 29.81	\$ -	\$ 146,712.00	\$ 131,632.94	\$ 278,344.94
THE ENERGY AUTHORITY	TEA	4,000	\$ 14.60	1,000	\$ 14.60	\$ -	\$ 72.28	\$ 64.85	\$ 137.13
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	5,000	\$ 20.61	1,000	\$ 20.61	\$ -	\$ 102.06	\$ 91.57	\$ 193.63
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	309,000	\$ 1,298.24	54,000	\$ 24.04	\$ -	\$ 6,427.64	\$ 5,767.00	\$ 12,194.64
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	139,000	\$ 490.68	24,000	\$ 20.45	\$ -	\$ 2,429.39	\$ 2,179.69	\$ 4,609.08
THE ENERGY AUTHORITY-SEEM	TEAM	359,000	\$ 1,619.29	62,000	\$ 26.12	\$ -	\$ 8,017.19	\$ 7,193.18	\$ 15,210.37
KENTUCKY UTILITIES COMPANY	KU	108,866,000	\$ -	-	\$ -	\$ -	\$ 2,733,303.43	\$ 2,139.14	\$ 2,735,442.57
Total Sales		131,151,000	\$ 120,205.32	3,865,000	\$ 31.10	\$ -	\$ 3,328,445.91	\$ 536,057.77	\$ 3,864,503.68

	KWH	\$	\$/MWH
GENERATION FOR OSS	18,420,000	\$ 474,937.16	\$ 25.78
GENERATION FOR INTERNAL ECONOMY TO KU	106,851,000	\$ 2,671,104.65	\$ 25.00
GENERATION FOR INTERNAL REPLACEMENT TO KU	2,015,000	\$ 50,230.38	\$ 24.93
SPLIT SAVINGS		\$ 11,968.40	
SALES FROM INTERNAL GENERATION	127,286,000	\$ 3,208,240.59	
SALES FROM OSS PURCHASES	3,865,000	\$ 120,205.32	\$ 31.10
	131,151,000	\$ 3,328,445.91	
ADJUSTMENTS FROM PRIOR MONTHS	-	\$ -	
	131,151,000	\$ 3,328,445.91	

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Oct - 2024**

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																		
Alliance Coal LLC	P	J21004	B	U	WKY	21,959.49	11,408	22.815	42.13	184.67	4.95	21.67	47.08	206.34	3.02	9.48	12.14	
Alliance Coal LLC	P	J21010	B	U	WKY	17,415.51	11,472	22.943	42.17	183.80	4.86	21.18	47.03	204.98	3.05	9.40	11.79	
Alliance Coal LLC	P	J23004	B	U	WKY	6,748.53	11,460	22.920	52.12	227.42	4.86	21.21	56.98	248.63	3.12	9.42	11.81	
Alliance Coal LLC	P	J24003	R	U	WKY	133,453.40	11,607	23.213	56.02	241.34	7.07	30.45	63.09	271.79	3.22	13.66	8.10	
Foresight Coal Sales LLC	P	J21011	B	U	IL	3,248.85	10,701	21.401	29.14	136.14	4.86	22.71	34.00	158.85	3.54	8.88	15.42	
Foresight Coal Sales LLC	P	J21011	B	U	IL	40,994.48	11,351	22.702	33.02	145.46	4.97	21.89	37.99	167.35	3.08	8.79	12.69	
Knight Hawk Coal LLC	P	J21022	B	U	IL	12,635.90	11,107	22.215	37.32	168.01	9.73	43.80	47.05	211.81	3.01	8.86	13.32	
Knight Hawk Coal LLC	P	J23002	B	U	IL	31,846.78	11,135	22.270	45.50	204.32	9.78	43.91	55.28	248.23	3.02	9.50	12.52	
Peabody COALSLES LLC	P	J23003	B	U	IL	18,845.80	10,892	21.783	90.03	413.29	8.90	40.85	98.93	454.14	2.93	8.20	14.90	
Total Long Term						287,148.74	11,412	22.824	50.68	222.07	6.94	30.37	57.62	252.44	3.13	11.20	10.62	
Spot Contract																		
Alliance Coal LLC	P	J24023	B	U	IL	10,187.22	11,547	23.094	44.40	192.27	4.86	21.04	49.26	213.31	2.58	8.93	11.72	
Alliance Coal LLC	P	J24023	B	U	WKY	34,166.61	11,457	22.914	44.92	196.05	4.86	21.21	49.78	217.26	3.05	9.47	11.78	
Total Spot						44,353.83	11,478	22.956	44.80	195.17	4.86	21.18	49.66	216.35	2.94	9.35	11.76	
Total Mill Creek						331,502.57	11,421	22.841	49.90	218.45	6.65	29.14	56.55	247.59	3.10	10.95	10.78	

(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
Oct - 2024**

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	6,726.74	11,489	22.978	42.27	183.94	5.70	24.82	47.97	208.76	2.53	8.81	12.49	
Alliance Coal LLC	P	J21004	B	U	WKY	40,820.54	11,404	22.808	42.10	184.61	5.78	25.32	47.88	209.93	3.00	9.34	12.29	
Alliance Coal LLC	P	J21010	B	U	WKY	18,128.83	11,435	22.871	42.15	184.30	5.70	24.90	47.85	209.20	3.01	9.46	11.96	
Alliance Coal LLC	P	J23004	B	U	WKY	10,211.51	11,422	22.845	52.10	228.06	5.66	24.78	57.76	252.84	3.08	9.50	12.02	
Alliance Coal LLC	P	J24007	B	U	WKY	11,843.69	11,450	22.900	46.94	204.98	5.61	24.48	52.55	229.46	3.08	9.52	11.75	
Foresight Coal Sales LLC	P	J21011	B	U	IL	20,855.82	11,337	22.675	33.01	145.56	5.71	25.20	38.72	170.76	3.02	8.65	12.95	
Knight Hawk Coal LLC	P	J21022	B	U	IL	18,780.16	11,071	22.142	37.31	168.52	10.71	48.37	48.02	216.89	2.99	8.74	13.75	
McBride Marine Transportation LLC	B	J23020	B	U	WKY	3,245.80	11,000	22.000	25.00	113.64	0.00	0.00	25.00	113.64	3.30	16.50	13.20	
Total Long Term						130,613.09	11,350	22.699	40.77	179.62	6.29	27.72	47.06	207.34	3.00	9.34	12.52	
Spot Contract																		
Alliance Coal LLC	P	J24023	B	U	IL	6,815.86	11,490	22.979	44.40	193.23	5.57	24.24	49.97	217.47	2.64	9.13	12.03	
Alliance Coal LLC	P	J24023	B	U	WKY	10,159.24	11,444	22.888	44.92	196.27	5.57	24.34	50.49	220.61	3.05	9.48	11.89	
Total Spot						16,975.10	11,462	22.925	44.71	195.05	5.57	24.29	50.28	219.34	2.89	9.34	11.94	
Total Trimble County						147,588.19	11,363	22.725	41.23	181.41	6.21	27.32	47.44	208.73	2.99	9.34	12.46	
Total Louisville Gas & Electric						479,090.76	11,403	22.806	47.23	207.08	6.51	28.58	53.74	235.66	3.07	10.46	11.29	

(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: October 31, 2024

<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>Natural Gas</u>									
LG&E	U	-	P	Cane Run	638,216 (1)	1.065	1,877,193.92 (1)	276.18	-
LG&E	U	-	P	Mill Creek	24,932	1.065	266,003.08	1,001.80	-
LG&E	U	-	P	Paddy's Run	3,462 (1)	1.065	194,795.59 (1)	5,283.31	-
Kentucky Utilities	U	-	P	EW Brown CTs	17,884 (2)	1.025	53,231.73 (2)	290.39	-
LG&E	U	-	P	Trimble County	293,510 (1)	1.065	1,149,962.29 (1)	367.88	-
Total Natural Gas					<u>978,005</u>	<u>1.064</u>	<u>3,541,186.61</u>	<u>340.22</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.

(2) Amount includes a portion of existing KU fuel inventory allocated to LG&E based on LG&E's ownership in the applicable generating units.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Mill Creek

Month Ended: October 31, 2024

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)	-	210	276	349	
	c. Net Demonstrated Capability (MW)	300	297	393	482	
	d. Net Capability Factor (1b/1c) (%)	-	71%	70%	72%	
2.	Heat Rate:					
	a. BTU Consumed (MMBTU)	2,702	1,662,475	1,539,868	2,662,031	
	b. Gross Generation (MWH)	-	172,398	161,567	283,750	
	c. Net Generation (MWH)	(4,968) (2)	152,851	147,042	259,935	
	d. Heat Rate (2a/2c) (BTU/KWH)	-	10,876	10,472	10,241	
3.	Operation Availability:					
	a. Hours Unit Operated	- (3)	726	533	744	
	b. Hours Available	715	726	533	744	
	c. Hours During the Period	744	744	744	744	
	d. Availability Factor (3b/3c) (%)	96%	98%	72%	100%	
4.	Cost per KWH:					
	a. Gross Generation - FAC Basis (cents/KWH)	-	3.029	3.093	2.974	
	b. Net Generation - FAC Basis (cents/KWH)	-	3.416	3.398	3.246	
5.	Inventory Analysis:					
	a. Number of Days Supply based on actual burn at the station (1)					58

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

(2) Negative net generation due to station usage.

(3) Unit #1 operated less than one hour in the month of October 2024.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Trimble County

Month Ended: October 31, 2024

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)	428	-	
	c. Net Demonstrated Capability (MW)	493	747	
	d. Net Capability Factor (1b/1c) (%)	87%	-	
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	3,408,470	-	
	b. Gross Generation (MWH)	350,375	-	
	c. Net Generation (MWH)	318,665	(1,121) (2)	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,696	-	
3.	Operation Availability:			
	a. Hours Unit Operated	744	-	
	b. Hours Available	744	-	
	c. Hours During the Period	744	744	
	d. Availability Factor (3b/3c) (%)	100%	0%	
4.	Cost per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	2.355	-	
	b. Net Generation - FAC Basis (cents/KWH)	2.589	-	
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)			65

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.

(2) Negative net generation due to station usage.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Combustion Turbines

Month Ended: October 31, 2024

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)	-	102	111	107	157	140	158	158
	c. Net Demonstrated Capability (MW)	26	161	169	169	169	169	169	169
	d. Net Capability Factor (1b/1c) (%)	-	63%	66%	63%	93%	83%	93%	94%
2.	Heat Rate:								
	a. BTU Consumed (MMBTU)	-	6,957	6,504	9,076	354,546	9,587	333,783	110,875
	b. Gross Generation (MWH)	-	638	582	801	33,098	860	31,344	10,509
	c. Net Generation (MWH)	(21) (1)	519	457	630	32,755	851	31,038	10,406
	d. Heat Rate (2a/2c) (BTU/KWH)	-	13,405	14,232	14,406	10,824	11,266	10,754	10,655
3.	Operation Availability:								
	a. Hours Unit Operated	-	5	4	6	209	6	197	66
	b. Hours Available	744	689	729	736	744	744	741	744
	c. Hours During the Period	744	744	744	744	744	744	744	744
	d. Availability Factor (3b/3c) (%)	100%	93%	98%	99%	100%	100%	100%	100%
4.	Cost per KWH:								
	a. Gross Generation - FAC Basis (cents/KWH)	-	42.454	46.013	34.032	2.771	31.808	2.802	4.401
	b. Net Generation - FAC Basis (cents/KWH)	-	52.188	58.599	43.269	2.800	32.144	2.830	4.444
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: October 31, 2024

Line No.	Item Description	
1.	Unit Performance:	<u>Unit # 7</u>
	a. Capacity (name plate rating) (MW)	829
	b. Capacity (average load) (2c/3a) (MW)	643
	c. Net Demonstrated Capability (MW)	691
	d. Net Capability Factor (1b/1c) (%)	93%
2.	Heat Rate:	
	a. BTU Consumed (MMBTU)	2,876,160
	b. Gross Generation (MWH)	436,508
	c. Net Generation (MWH)	426,287
	d. Heat Rate (2a/2c) (BTU/KWH)	6,747
3.	Operation Availability:	
	a. Hours Unit Operated	663
	b. Hours Available	663
	c. Hours During the Period	744
	d. Availability Factor (3b/3c) (%)	89%
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (cents/KWH)	1.987
	b. Net Generation - FAC Basis (cents/KWH)	2.035
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 (October 2024)

Cost Components of Highest Priced Units:

UNIT NAME	(1) FULL LOAD HR <small>(BTU/RWH)</small>	(2) FUEL COST <small>(c/MBTU)</small>	(3) FUEL COST <small>(\$/MWH)</small>	(4) CONSUMABLES <small>(\$/MWH)</small>	(5) SO2 ADDER <small>(\$/MWH)</small>	(6) SCR CONSUME <small>(\$/MWH)</small>	(7) NOx ADDER <small>(\$/MWH)</small>	(8) Hg CONSUME <small>(\$/MWH)</small>	(6)=(3)+(4)+(5) DISPATCH COST <small>(\$/MWH)</small>	(7) Maint V O&M <small>(\$/MWH)</small>	(8)=(6)+(7) TOTAL PRICE <small>(\$/MWH)</small>
PADDYS RUN 12	17,692	240.00	42.46	0.00	0.00		0.00		42.46	N/A	N/A
HAEFLING	17,765	630.28	111.97	0.00	0.00		0.00		111.97	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 ?
					LG&E Total	\$ -	\$ -	\$ -

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 \$/MWh	Excluded in FO Calculation?	Additional Exclusion For FAC	HAEFLING Available ?
1 10/15/24 HE18	EKPC	\$ 175.73	1	\$ 175.73	\$ 63.76	\$ 63.76	\$ 63.76	Yes
2 10/14/24 HE19	EKPC	\$ 171.62	1	\$ 171.62	\$ 59.65	\$ 59.65	\$ 59.65	Yes
3 10/19/24 HE7	EKPC	\$ 628.18	4	\$ 157.05	\$ 45.08	\$ 180.30	\$ 180.30	Yes
					KU Total	\$ 303.71	\$ 303.71	

OFF-SYSTEM SALES - ELECTRIC

Electric Off-System Sales	LG&E	KU (Consolidated)
	MTD Current Year October-24	MTD Current Year October-24
Revenue		
External Sales ¹	\$ 1,129,061	\$ 190,999
Internal Sales	\$ 52,370	\$ 100,636
Total	\$ 1,181,431	\$ 291,635
External Expenses		
Fuel	\$ (474,937)	\$ (47,404)
Purchase Power	\$ (23,592)	\$ (3,934)
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (20,229)	\$ (1,918)
Transmission	\$ (1,208)	\$ (679)
RTO Costs	\$ (2,646)	\$ (231)
Inter-System Losses	\$ (2,976)	\$ (508)
Internal Expenses		
Fuel	\$ (50,230)	\$ (96,759)
Purchase Power	\$ (100,636)	\$ (52,370)
Other Consumables	\$ (2,133)	\$ (3,870)
Transmission	\$ (167,887)	\$ (28,170)
Total	\$ (846,474)	\$ (235,844)
Electric Off-System Sales Margin	\$ 334,956	\$ 55,792
OSS Margin - Jurisdictional	\$ 251,217	\$ 39,256
OSS Margin - Non-Jurisdictional	\$ -	\$ 2,587
OSS Margin - Utility Share	\$ 83,739	\$ 13,948

Note 1: LG&E sold 812 MWh totaling \$32,208 through SEEM. KU sold 136 MWh totaling \$5,460 through SEEM.

SEEM Formation and Participation Costs

Expense Month: October 2024

<u>Item Description</u>	<u>LG&E</u>	<u>KU</u>
Administrative and legal expenses associated with the FERC proceeding	\$ 6,135	\$ 6,136
Costs of SEEM formation and participation	<u>\$ 730</u>	<u>\$ 1,007</u>
Total Costs	\$ 6,865	\$ 7,143