

Andrea M. Fackler

Manager, Revenue Requirement/Cost of Service
State Regulation and Rates
T 502-627-3442
andrea.fackler@lge-ku.com



VIA ELECTRONIC FILING

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

RECEIVED

MAR 17 2025

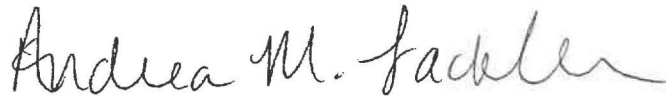
PUBLIC SERVICE
COMMISSION

March 17, 2025

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 January 2025.

Sincerely,



Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: January 31, 2025

Fuel: Coal

Mill Creek High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	12/31/2024	\$ 40,027,247.17	15,398,455.51	\$ 2.5994	675,075.26	\$ 59.2930
Add: Purchases		\$ 16,663,552.35	6,440,783.37	\$ 2.5872	278,800.58	\$ 59.7687
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 56,690,799.52	21,839,238.88	\$ 2.5958	953,875.84	\$ 59.4321
Less: Fuel Burned		\$ 16,324,300.52	6,318,236.10	\$ 2.5837	276,992.00	\$ 58.9342
Ending Inventory	1/31/2025	\$ 40,366,499.00	15,521,002.78	\$ 2.6008	676,883.84	\$ 59.6358

Trimble County High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	12/31/2024	\$ 15,611,261.28	6,946,602.64	\$ 2.2473	304,700.40	\$ 51.2348
Add: Purchases		\$ 8,947,947.54	4,044,489.03	\$ 2.2124	177,559.14	\$ 50.3942
Adjustments		\$ (2,931,749.27) (2)	(1,333,295.13) (2)	\$ 2.1989	(58,550.20) (2)	\$ 50.0724
Sub-Total		\$ 21,627,459.55	9,657,796.54	\$ 2.2394	423,709.34	\$ 51.0432
Less: Fuel Burned-Jurisdictional		\$ 7,182,635.05	3,204,059.53	\$ 2.2417	140,576.33	\$ 51.0942
Fuel Burned-Non-Jurisdictional		\$ 2,536,878.27	1,131,668.33	\$ 2.2417	49,651.32	\$ 51.0939
Total Burn		\$ 9,719,513.32	4,335,727.86	\$ 2.2417	190,227.65	\$ 51.0941
Ending Inventory	1/31/2025	\$ 11,907,946.23	5,322,068.68	\$ 2.2375	233,481.69	\$ 51.0016

Trimble County PRB

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	12/31/2024	\$ 2,643,624.07	911,583.32	\$ 2.9000	51,195.74	\$ 51.6376
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 140,326.25 (3)	52,862.49 (3)	\$ 2.6546	2,928.99 (3)	\$ 47.9094
Sub-Total		\$ 2,783,950.32	964,445.81	\$ 2.8866	54,124.73	\$ 51.4358
Less: Fuel Burned-Jurisdictional		\$ 511,293.36	176,441.64	\$ 2.8978	9,907.67	\$ 51.6058
Fuel Burned-Non-Jurisdictional		\$ 180,574.75	62,315.65	\$ 2.8977	3,499.19	\$ 51.6047
Total Burn		\$ 691,868.11	238,757.29	\$ 2.8978	13,406.86	\$ 51.6055
Ending Inventory	1/31/2025	\$ 2,092,082.21	725,688.52	\$ 2.8829	40,717.87	\$ 51.3799

Coal In Transit

		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	1/31/2025	\$ 4,613,829.83 (1)	2,172,940.09 (1)	\$ 2.1233	95,877.13 (1)	\$ 48.1223
Total Combined Inventory	1/31/2025	\$ 58,980,357.27	23,741,700.07	\$ 2.4843	1,046,960.54	\$ 56.3348

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

Month Ended: January 31, 2025

Fuel: Natural Gas

Paddy's Run

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	12/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 747,494.96	140,884	\$ 5.3057
Paddy's Run Fixed Gas Demand Charge		\$ 416,309.70	-	\$ -
Total Purchases		<u>\$ 1,163,804.66</u>	<u>140,884</u>	<u>\$ 8.2607</u>
Adjustments		<u>\$ 56,653.97 (1)</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 1,220,458.63	140,884	\$ 8.6629
Less: Fuel Burned LG&E Share		\$ 695,480.44	74,985	\$ 9.2749
Paddy's Run Purchases Allocated to KU		\$ 376,143.57	65,899	\$ 5.7079
Paddy's Run Fixed Gas Demand Charge Allocated to KU		\$ 148,834.62	-	\$ -
Total Burn		<u>\$ 1,220,458.63</u>	<u>140,884</u>	<u>\$ 8.6629</u>
Ending Inventory	1/31/2025	\$ -	-	\$ -

Mill Creek

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	12/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 294,127.58	28,053	\$ 10.4847
Total Purchases		<u>\$ 294,127.58</u>	<u>28,053</u>	<u>\$ 10.4847</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 294,127.58	28,053	\$ 10.4847
Less: Fuel Burned		\$ 294,127.58	28,053	\$ 10.4847
Total Burn		<u>\$ 294,127.58</u>	<u>28,053</u>	<u>\$ 10.4847</u>
Ending Inventory	1/31/2025	\$ -	-	\$ -

Cane Run 7

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	12/31/2024	\$ 357,794.67	98,639	\$ 3.6273
Add: Purchases		\$ 11,930,312.86	2,901,778	\$ 4.1114
Fixed Gas Demand Charge		\$ 902,197.80	-	\$ -
Total Purchases		<u>\$ 12,832,510.66</u>	<u>2,901,778</u>	<u>\$ 4.4223</u>
Adjustments		<u>\$ 77,442.65 (1)</u>	<u>(41,837) (2)</u>	<u>\$ (1.8511)</u>
Sub-Total		\$ 13,267,747.98	2,958,580	\$ 4.4845
Less: Fuel Burned LG&E Share		\$ 2,844,889.21	633,172	\$ 4.4931
Current Month Purchases Allocated to KU		\$ 9,103,633.15	2,167,945	\$ 4.1992
Fuel Inventory Allocated to KU		\$ 279,079.84	76,938	\$ 3.6273
Fixed Gas Demand Charge Allocated to KU		\$ 703,714.28	-	\$ -
Total Burn		<u>\$ 12,931,316.48</u>	<u>2,878,055</u>	<u>\$ 4.4931</u>
Ending Inventory	1/31/2025	\$ 336,431.50	80,525	\$ 4.1780

Trimble County Start-up and Stabilization

		Amount	Units (MCF)	Per Unit
Beginning Inventory	12/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 204,548.84	41,120	\$ 4.9744
Fixed Gas Demand Charge		\$ 263,611.64	-	\$ -
Total Purchases		\$ 468,160.48	41,120	\$ 11.3852
Adjustments		\$ 712.77	-	\$ -
Sub-Total		\$ 468,873.25	41,120	\$ 11.4026
Less: Fuel Burned LG&E Share-Jurisdictional		\$ 237,955.40	28,740	\$ 8.2796
Fuel Burned Non-Jurisdictional		\$ 84,469.55 (3)	10,202 (3)	\$ 8.2797
Purchases Allocated to KU		\$ 15,245.94	2,178	\$ 7.0000
Fixed Gas Demand Charge Allocated to KU		\$ 131,202.36	-	\$ -
Total Burn		\$ 468,873.25	41,120	\$ 11.4026
Ending Inventory	1/31/2025	\$ -	-	\$ -

Trimble County CTs

		Amount	Units (MCF)	Per Unit
Beginning Inventory	12/31/2024	\$ 548,874.34	186,515	\$ 2.9428
Add: Purchases		\$ 8,968,228.47	1,819,682	\$ 4.9285
Fixed Gas Demand Charge		\$ 3,498,858.36	-	\$ -
Total Purchases		\$ 12,467,086.83	1,819,682	\$ 6.8512
Adjustments		\$ (8,145.13) (1)	(26,301) (2)	\$ 0.3097
Sub-Total		\$ 13,007,816.04	1,979,896	\$ 6.5699
Less: Fuel Burned LG&E Share		\$ 4,273,605.61	640,229	\$ 6.6751
Trimble County Start-up and Stabilization LG&E Share		\$ 190,015.67	38,942	\$ 4.8795
Current Month Fuel Purchases Allocated to KU		\$ 5,562,180.53	1,110,503	\$ 5.0087
Fuel Inventory Allocated to KU		\$ 356,088.33	122,778	\$ 2.9003
Fixed Gas Demand Charge Allocated to KU		\$ 2,297,583.66	-	\$ -
Trimble County Start-up and Stabilization KU Share		\$ 15,245.94	2,178	\$ 7.0000
Total Burn		\$ 12,694,719.74	1,914,630	\$ 6.6304
Ending Inventory	1/31/2025	\$ 313,096.30	65,266	\$ 4.7972

Brown CTs

		Amount	Units (MCF)	Per Unit
Beginning Inventory	12/31/2024	\$ -	-	\$ -
Add: Current Month Purchases Allocated from KU		\$ 1,748,991.45	217,176	\$ 8.0533
Fuel Inventory allocated from KU		\$ 22,585.53	3,529	\$ 6.4000
Total Purchases		\$ 1,771,576.98	220,705	\$ 8.0269
Adjustments		\$ -	-	\$ -
Sub-Total		\$ 1,771,576.98	220,705	\$ 8.0269
Less: Fuel Burned		\$ 1,771,576.98	220,705	\$ 8.0269
Ending Inventory	1/31/2025	\$ -	-	\$ -
Total Combined Inventory	1/31/2025	\$ 649,527.80	145,791	\$ 4.4552

(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 January 31, 2025

Company	Type of Transaction	KWH	Billing Components			
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
Purchases						
ENERGY IMBALANCE	IMBL	865,000	\$ -	\$ 32,395.60	\$ -	\$ 32,395.60
LQF TARIFF PURCHASE POWER	LQF TARIFF	29,820	\$ -	\$ 904.20	\$ -	\$ 904.20
SOLAR SHARE PROGRAM	SSP	-	\$ -	\$ 841.59	\$ -	\$ 841.59
NMS-2	NMS-2	276,625	\$ -	\$ 25,741.89	\$ -	\$ 25,741.89
SQF TARIFF PURCHASE POWER	SQF TARIFF	1,840	\$ -	\$ 55.47	\$ -	\$ 55.47
KENTUCKY UTILITIES COMPANY	KU	51,130,000	\$ -	\$ 1,461,218.18	\$ 15,572.94	\$ 1,476,791.12
OHIO VALLEY ELECTRIC CORPORATION	OVEC	66,468,000	\$ 1,888,156.57	\$ 2,493,566.50	\$ -	\$ 4,381,723.07
Total Purchases		118,771,285	\$ 1,888,156.57	\$ 4,014,723.43	\$ 15,572.94	\$ 5,918,452.94
Sales						
CONSTELLATION ENERGY GENERATION, LLC	CONSTGEN	386,000		\$ 6,244.13	\$ 11,429.06	\$ 17,673.19
EVERGY KANSAS CENTRAL, INC.	EVGY	312,000		\$ 6,787.17	\$ 12,423.02	\$ 19,210.19
INDIANA MUNICIPAL POWER AGENCY	IMPA	35,000		\$ 555.01	\$ 1,015.88	\$ 1,570.89
ENERGY IMBALANCE	IMBL	456,000		\$ 11,051.19	\$ 20,197.36	\$ 31,248.55
MACQUARIE ENERGY, LLC	MACQUARIE	2,317,000		\$ 66,480.86	\$ 121,684.45	\$ 188,165.31
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	21,484,000		\$ 592,697.97	\$ 1,084,855.42	\$ 1,677,553.39
PJM INTERCONNECTION ASSOCIATION	PJM	53,707,000		\$ 1,888,690.56	\$ 3,456,998.93	\$ 5,345,689.49
RAINBOW ENERGY MARKETING CORP	REMC	7,030,000		\$ 169,150.63	\$ 309,607.90	\$ 478,758.53
THE ENERGY AUTHORITY	TEA	126,000		\$ 2,380.77	\$ 4,357.68	\$ 6,738.45
TENNESSEE VALLEY AUTHORITY	TVA	4,219,000		\$ 83,592.94	\$ 153,005.85	\$ 236,598.79
ASSOCIATED ELECTRIC COOPERATIVE INC.-SEEM	AECI	63,000		\$ 1,754.93	\$ 3,212.16	\$ 4,967.09
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	1,705,000		\$ 34,885.79	\$ 63,853.85	\$ 98,739.64
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	469,000		\$ 11,115.90	\$ 20,346.19	\$ 31,462.09
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	220,000		\$ 5,791.50	\$ 10,600.60	\$ 16,392.10
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	337,000		\$ 6,497.25	\$ 11,892.36	\$ 18,389.61
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	1,138,000		\$ 21,478.55	\$ 39,313.64	\$ 60,792.19
THE ENERGY AUTHORITY-SEEM	TEAM	1,093,000		\$ 31,773.48	\$ 58,157.15	\$ 89,930.63
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	1,562,000		\$ 28,163.45	\$ 51,549.48	\$ 79,712.93
KENTUCKY UTILITIES COMPANY	KU	69,345,000		\$ 1,974,888.91	\$ 43,488.76	\$ 2,018,377.67
Total Sales		166,004,000	\$ -	\$ 4,943,980.99	\$ 5,477,989.74	\$ 10,421,970.73



**Detailed Power Transaction Schedule
Month Ended January 31, 2025**

<u>Company</u>		KWH	Native Load		Forced Outages			
			Energy Cost (\$)	KWH	\$/MWH	Energy Cost (\$)	KWH	\$/MWH
<u>Purchases</u>								
ENERGY IMBALANCE	IMBL	865,000	\$ 7,296.29	222,000	\$ 32.87	\$ 29.27	1,000	\$ 29.27
LQF TARIFF PURCHASE POWER	LQF TARIFF	29,820	\$ 904.20	29,820	\$ 30.32	\$ -	-	\$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 841.59	-	\$ -	\$ -	-	\$ -
NMS-2	NMS-2	276,625	\$ 25,741.89	276,625	\$ 93.06	\$ -	-	\$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	1,840	\$ 55.47	1,840	\$ 30.15	\$ -	-	\$ -
KENTUCKY UTILITIES COMPANY	KU	51,130,000	\$ 911,206.14	35,318,000	\$ 25.80	\$ -	-	\$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	66,468,000	\$ 2,431,867.52	66,468,000	\$ 36.59	\$ -	-	\$ -
Total Purchases		118,771,285	\$ 3,377,913.10	102,316,285	\$ 33.01	\$ 29.27	1,000	\$ 29.27

*35,323 kWh related to the Solar Share Program are included in generation for FAC purposes

<u>Sales</u>								
CONSTELLATION ENERGY GENERATION, LLC	CONSTGEN	386,000						
EVERGY KANSAS CENTRAL, INC.	EVGY	312,000						
INDIANA MUNICIPAL POWER AGENCY	IMPA	35,000						
ENERGY IMBALANCE	IMBL	456,000						
MACQUARIE ENERGY, LLC	MACQUARIE	2,317,000						
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	21,484,000						
PJM INTERCONNECTION ASSOCIATION	PJM	53,707,000						
RAINBOW ENERGY MARKETING CORP	REMC	7,030,000						
THE ENERGY AUTHORITY	TEA	126,000						
TENNESSEE VALLEY AUTHORITY	TVA	4,219,000						
ASSOCIATED ELECTRIC COOPERATIVE INC.-SEEM	AECI	63,000						
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	1,705,000						
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	469,000						
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	220,000						
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	337,000						
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	1,138,000						
THE ENERGY AUTHORITY-SEEM	TEAM	1,093,000						
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	1,562,000						
KENTUCKY UTILITIES COMPANY	KU	69,345,000						
Total Sales		166,004,000	\$ -	-	\$ -	\$ -	-	\$ -



Detailed Power Transaction Schedule
Month Ended January 31, 2025

Company	KWH	OSS Purchases		Adj. From Prior Month (\$)	Total Energy * Charges (\$)	Demand(\$)	Other Charges(\$)	Total Charges(\$)	
		Energy Cost (\$)	KWH						\$/MWH
Purchases									
ENERGY IMBALANCE	IMBL	865,000	\$ 25,070.04	639,000	\$ 39.23	\$ -	\$ 32,395.60	\$ -	\$ 32,395.60
LQF TARIFF PURCHASE POWER	LQF TARIFF	29,820	\$ -	-	\$ -	\$ -	\$ 904.20	\$ -	\$ 904.20
SOLAR SHARE PROGRAM	SSP	-	\$ -	-	\$ -	\$ -	\$ 841.59	\$ -	\$ 841.59
NMS-2	NMS-2	276,625	\$ -	-	\$ -	\$ -	\$ 25,741.89	\$ -	\$ 25,741.89
SQF TARIFF PURCHASE POWER	SQF TARIFF	1,840	\$ -	-	\$ -	\$ -	\$ 55.47	\$ -	\$ 55.47
KENTUCKY UTILITIES COMPANY	KU	51,130,000	\$ 550,012.04	15,812,000	\$ 34.78	\$ -	\$ 1,461,218.18	\$ 15,572.94	\$ 1,476,791.12
OHIO VALLEY ELECTRIC CORPORATION	OVEC	66,468,000	\$ -	-	\$ -	\$ 61,698.98	\$ 2,493,566.50	\$ 1,888,156.57	\$ 4,381,723.07
Total Purchases		118,771,285	\$ 575,082.08	16,451,000	\$ 34.96	\$ 61,698.98	\$ 4,014,723.43	\$ 1,888,156.57	\$ 5,918,452.94

*35,323 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales									
CONSTELLATION ENERGY GENERATION, LLC	CONSTGEN	386,000	\$ 1,209.42	66,000	\$ 18.32	\$ -	\$ 6,244.13	\$ 11,429.06	\$ 17,673.19
EVERGY KANSAS CENTRAL, INC.	EVGY	312,000	\$ 1,314.60	53,000	\$ 24.80	\$ -	\$ 6,787.17	\$ 12,423.02	\$ 19,210.19
INDIANA MUNICIPAL POWER AGENCY	IMPA	35,000	\$ 107.50	6,000	\$ 17.92	\$ -	\$ 555.01	\$ 1,015.88	\$ 1,570.89
ENERGY IMBALANCE	IMBL	456,000	\$ 2,140.50	79,000	\$ 27.09	\$ -	\$ 11,051.19	\$ 20,197.36	\$ 31,248.55
MACQUARIE ENERGY, LLC	MACQUARIE	2,317,000	\$ 12,876.65	394,000	\$ 32.68	\$ -	\$ 66,480.86	\$ 121,684.45	\$ 188,165.31
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	21,484,000	\$ 114,799.40	3,656,000	\$ 31.40	\$ -	\$ 592,697.97	\$ 1,084,855.42	\$ 1,677,553.39
PJM INTERCONNECTION ASSOCIATION	PJM	53,707,000	\$ 365,819.61	9,141,000	\$ 40.02	\$ -	\$ 1,888,690.56	\$ 3,456,998.93	\$ 5,345,689.49
RAINBOW ENERGY MARKETING CORP	REMC	7,030,000	\$ 32,762.71	1,196,000	\$ 27.39	\$ -	\$ 169,150.63	\$ 309,607.90	\$ 478,758.53
THE ENERGY AUTHORITY	TEA	126,000	\$ 461.13	21,000	\$ 21.96	\$ -	\$ 2,380.77	\$ 4,357.68	\$ 6,738.45
TENNESSEE VALLEY AUTHORITY	TVA	4,219,000	\$ 16,191.08	718,000	\$ 22.55	\$ -	\$ 83,592.94	\$ 153,005.85	\$ 236,598.79
ASSOCIATED ELECTRIC COOPERATIVE INC.-SEEM	AECI	63,000	\$ 339.91	11,000	\$ 30.90	\$ -	\$ 1,754.93	\$ 3,212.16	\$ 4,967.09
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	1,705,000	\$ 6,757.01	290,000	\$ 23.30	\$ -	\$ 34,885.79	\$ 63,853.85	\$ 98,739.64
DUKE ENERGY FLORIDA, LLC-SEEM	DUKEFLORIDA	469,000	\$ 2,153.03	80,000	\$ 26.91	\$ -	\$ 11,115.90	\$ 20,346.19	\$ 31,462.09
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	220,000	\$ 1,121.75	37,000	\$ 30.32	\$ -	\$ 5,791.50	\$ 10,600.60	\$ 16,392.10
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	337,000	\$ 1,258.45	57,000	\$ 22.08	\$ -	\$ 6,497.25	\$ 11,892.36	\$ 18,389.61
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	1,138,000	\$ 4,160.17	194,000	\$ 21.44	\$ -	\$ 21,478.55	\$ 39,313.64	\$ 60,792.19
THE ENERGY AUTHORITY-SEEM	TEAM	1,093,000	\$ 6,154.19	186,000	\$ 33.09	\$ -	\$ 31,773.48	\$ 58,157.15	\$ 89,930.63
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	1,562,000	\$ 5,454.97	266,000	\$ 20.51	\$ -	\$ 28,163.45	\$ 51,549.48	\$ 79,712.93
KENTUCKY UTILITIES COMPANY	KU	69,345,000	\$ -	-	\$ -	\$ -	\$ 1,974,888.91	\$ 43,488.76	\$ 2,018,377.67
Total Sales		166,004,000	\$ 575,082.08	16,451,000	\$ 34.96	\$ -	\$ 4,943,980.99	\$ 5,477,989.74	\$ 10,421,970.73

	KWH	\$	\$/MWH
GENERATION FOR OSS	80,214,000	\$ 2,394,010.00	\$ 29.85
GENERATION FOR INTERNAL ECONOMY TO KU	40,923,000	\$ 1,155,244.76	\$ 28.23
GENERATION FOR INTERNAL REPLACEMENT TO KU	28,422,000	\$ 766,482.01	\$ 26.97
SPLIT SAVINGS		\$ 53,162.14	
SALES FROM INTERNAL GENERATION	149,559,000	\$ 4,368,898.91	
SALES FROM OSS PURCHASES	16,451,000	\$ 575,082.08	\$ 34.96
	166,010,000	\$ 4,943,980.99	
ADJUSTMENTS FROM PRIOR MONTHS	(6,000)	\$ -	
	166,004,000	\$ 4,943,980.99	

Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Jan - 2025

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				
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	% Sulfur	% Ash	% H2O
(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	J21010	B	U	WKY	35,195.28	11,306	22.613	41.92	185.37	4.84	21.42	46.76	206.79	3.01	9.22	12.96
Alliance Coal LLC	P	J23004	B	U	WKY	16,757.69	11,330	22.660	50.43	222.55	4.84	21.36	55.27	243.91	2.98	9.15	12.87
Alliance Coal LLC	P	J24003	R	U	WKY	171,577.60	11,719	23.438	57.09	243.57	7.93	33.86	65.02	277.43	3.13	12.53	8.33
Alliance Coal LLC	P	J25001	B	U	WKY	4,927.45	11,398	22.796	47.71	209.30	4.76	20.88	52.47	230.18	3.01	9.22	12.29
Foresight Coal Sales LLC	P	J21011	B	U	IL	5,486.38	11,791	23.582	34.60	146.71	4.86	20.61	39.46	167.32	2.73	8.74	10.75
Knight Hawk Coal LLC	P	J21022	B	U	IL	19,010.40	11,152	22.304	37.08	166.27	9.51	42.64	46.59	208.91	2.99	8.58	13.27
Knight Hawk Coal LLC	P	J23002	B	U	IL	19,093.67	11,087	22.174	45.20	203.85	9.51	42.88	54.71	246.73	2.96	8.96	13.27
Total Long Term						272,048.47	11,553	23.107	51.86	224.43	7.45	32.23	59.31	256.66	3.08	11.23	10.02
Spot Contract																	
Alliance Coal LLC	P	J24023	B	U	WKY	6,752.11	11,447	22.895	44.90	196.12	4.86	21.23	49.76	217.35	2.97	9.22	12.03
Total Spot						6,752.11	11,447	22.895	44.90	196.12	4.86	21.23	49.76	217.35	2.97	9.22	12.03
Total Mill Creek						278,800.58	11,551	23.102	51.69	223.75	7.38	31.97	59.07	255.72	3.07	11.18	10.07

(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
Jan - 2025

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				
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	% Sulfur	% Ash	% H2O
(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	J21010	B	U	WKY	16,532.58	11,444	22.887	41.91	183.13	5.57	24.34	47.48	207.47	3.06	9.29	12.45
Alliance Coal LLC	P	J23004	B	U	WKY	28,390.96	11,348	22.695	48.72	214.68	5.52	24.31	54.24	238.99	2.99	9.12	12.82
Alliance Coal LLC	P	J25001	B	U	WKY	79,810.52	11,414	22.828	47.71	209.00	5.47	23.96	53.18	232.96	3.01	9.21	12.23
Foresight Coal Sales LLC	P	J21011	B	U	IL	30,778.52	11,511	23.021	34.22	148.63	5.51	23.93	39.73	172.56	2.98	8.34	12.47
Knight Hawk Coal LLC	P	J21022	B	U	IL	22,046.56	11,142	22.283	37.03	166.16	10.11	45.37	47.14	211.53	2.98	8.53	13.37
Total Long Term						177,559.14	11,389	22.778	43.67	191.71	6.07	26.64	49.74	218.35	3.00	8.97	12.53
Total Trimble County						177,559.14	11,389	22.778	43.67	191.71	6.07	26.64	49.74	218.35	3.00	8.97	12.53
Total Louisville Gas & Electric						456,359.72	11,488	22.976	48.57	211.39	6.87	29.91	55.44	241.30	3.05	10.32	11.02

(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: January 31, 2025**

<u>Fuel & Supplier</u> (a)	P B D <u>U</u> (b)	P O C <u>N</u> (c)	M <u>T</u> (d)	Station <u>Name</u> (e)	Gal. or MCF <u>Purchased</u> (f)	BTU Per <u>Unit</u> (g)	Delivered <u>Cost (\$)</u> (h)	Cents Per <u>MMBtu</u> (i)	% <u>Sulfur</u> (j)
<u>Natural Gas</u>									
LG&E	U	-	P	Cane Run	733,833 (1)	1.065	3,025,163.23 (1)	387.08	-
LG&E	U	-	P	Mill Creek	28,053	1.065	294,127.58	984.48	-
LG&E	U	-	P	Paddy's Run	74,985 (1)	1.065	695,480.44 (1)	870.89	-
Kentucky Utilities	U	-	P	EW Brown CTs	220,705 (2)	1.025	1,771,576.98 (2)	783.11	-
LG&E	U	-	P	Trimble County	707,001 (1)	1.065	4,724,485.98 (1)	627.46	-
Total Natural Gas					<u>1,764,577</u>	<u>1.060</u>	<u>10,510,834.21</u>	<u>561.94</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: January 31, 2025

Line No.	Item Description	Unit # 2	Unit # 3	Unit # 4	Total Station
1.	Unit Performance:				
	a. Capacity (name plate rating) (MW)	356	463	544	
	b. Capacity (average load) (2c/3a) (MW)	219	277	373	
	c. Net Demonstrated Capability (MW)	297	394	486	
	d. Net Capability Factor (1b/1c) (%)	74%	70%	77%	
2.	Heat Rate:				
	a. BTU Consumed (MMBTU)	1,371,913	2,139,931	2,836,269	
	b. Gross Generation (MWH)	139,431	226,723	303,612	
	c. Net Generation (MWH)	122,374	205,871	276,417	
	d. Heat Rate (2a/2c) (BTU/KWH)	11,211	10,395	10,261	
3.	Operation Availability:				
	a. Hours Unit Operated	559	744	741	
	b. Hours Available	559	744	741	
	c. Hours During the Period	744	744	744	
	d. Availability Factor (3b/3c) (%)	75%	100%	100%	
4.	Cost per KWH:				
	a. Gross Generation - FAC Basis (cents/KWH)	2.583	2.477	2.438	
	b. Net Generation - FAC Basis (cents/KWH)	2.943	2.728	2.678	
5.	Inventory Analysis:				
	a. Number of Days Supply based on actual burn at the station (1)				81

(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: January 31, 2025

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)	459	683	
	c. Net Demonstrated Capability (MW)	493	760	
	d. Net Capability Factor (1b/1c) (%)	93%	90%	
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	3,712,158	4,756,844	
	b. Gross Generation (MWH)	372,625	544,906	
	c. Net Generation (MWH)	341,784	508,467	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,861	9,355	
3.	Operation Availability:			
	a. Hours Unit Operated	744	744	
	b. Hours Available	744	744	
	c. Hours During the Period	744	744	
	d. Availability Factor (3b/3c) (%)	100%	100%	
4.	Cost per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	2.286	2.140	
	b. Net Generation - FAC Basis (cents/KWH)	2.492	2.294	
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)			71

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: January 31, 2025

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)	-	98	118	131	114	131	117	137
	c. Net Demonstrated Capability (MW)	28	175	179	179	179	179	179	179
	d. Net Capability Factor (1b/1c) (%)	-	56%	66%	73%	64%	73%	65%	77%
2.	Heat Rate:								
	a. BTU Consumed (MMBTU)	717	149,324	428,315	276,838	539,038	192,112	450,098	108,888
	b. Gross Generation (MWH)	24	12,032	36,940	24,600	46,408	17,022	39,369	10,052
	c. Net Generation (MWH)	(21) (1)	11,867	36,649	24,407	46,049	16,891	38,977	9,952
	d. Heat Rate (2a/2c) (BTU/KWH)	-	12,583	11,687	11,343	11,706	11,374	11,548	10,941
3.	Operation Availability:								
	a. Hours Unit Operated	3	121	310	186	405	129	334	72
	b. Hours Available	744	665	742	744	744	744	744	744
	c. Hours During the Period	744	744	744	744	744	744	744	744
	d. Availability Factor (3b/3c) (%)	100%	89%	100%	100%	100%	100%	100%	100%
4.	Cost per KWH:								
	a. Gross Generation - FAC Basis (cents/KWH)	431.174	9.283	6.803	7.441	6.490	8.511	6.633	10.682
	b. Net Generation - FAC Basis (cents/KWH)	-	9.412	6.857	7.500	6.541	8.577	6.699	10.790
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: January 31, 2025

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)	603
	c. Net Demonstrated Capability (MW)	691
	d. Net Capability Factor (1b/1c) (%)	87%
2.	Heat Rate:	
	a. BTU Consumed (MMBTU)	3,065,128
	b. Gross Generation (MWH)	459,173
	c. Net Generation (MWH)	448,817
	d. Heat Rate (2a/2c) (BTU/KWH)	6,829
3.	Operation Availability:	
	a. Hours Unit Operated	744
	b. Hours Available	744
	c. Hours During the Period	744
	d. Availability Factor (3b/3c) (%)	100%
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (cents/KWH)	2.816
	b. Net Generation - FAC Basis (cents/KWH)	2.881
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 (January 2025)

Cost Components of Highest Priced Units:

UNIT NAME	(1) FULL LOAD HR <small>(BTU/KWH)</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	356.00	62.98	0.00	0.00		0.00		62.98	N/A	N/A
HAEFLING	17,765	514.00	91.45	0.00	0.00		0.00		91.45	N/A	N/A

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

	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? Yes
1	MM/DD/YY Hr							
					LG&E Total	\$ -	\$ -	\$ -

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

	Purchase From	Cost \$	MWh Purch	Cost \$/MWh	Excluded Amount Prior to FO Calculation \$/MWh	Excluded in FO Calculation? \$	Additional Exclusion For FAC	HAEFLING Available? Yes
1	MM/DD/YY Hr							
					KU Total	\$ -	\$ -	\$ -

OFF-SYSTEM SALES - ELECTRIC

Electric Off-System Sales	LG&E	KU (Consolidated)
	MTD Current Year January-25	MTD Current Year January-25
Revenue		
External Sales ¹	\$ 8,403,593	\$ 7,338,841
Internal Sales	\$ 809,971	\$ 565,585
Total	\$ 9,213,564	\$ 7,904,426
External Expenses		
Fuel	\$ (2,394,010)	\$ (1,860,295)
Purchase Power	\$ (26,575)	\$ (24,013)
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (117,526)	\$ (54,352)
Transmission	\$ (10,845)	\$ (9,039)
RTO Costs	\$ (81,437)	\$ (71,060)
Inter-System Losses	\$ (14,845)	\$ (13,242)
Internal Expenses		
Fuel	\$ (766,482)	\$ (550,012)
Purchase Power	\$ (565,585)	\$ (809,971)
Other Consumables	\$ (43,392)	\$ (15,553)
Transmission	\$ (654,881)	\$ (567,341)
Total	\$ (4,675,577)	\$ (3,974,878)
Electric Off-System Sales Margin	\$ 4,537,987	\$ 3,929,547
OSS Margin - Jurisdictional	\$ 3,403,490	\$ 2,744,754
OSS Margin - Non-Jurisdictional	\$ -	\$ 202,406
OSS Margin - Utility Share	\$ 1,134,497	\$ 982,387

Note 1: LG&E sold 6,587 MWh totaling \$400,386 through SEEM. KU sold 5,705 MWh totaling \$350,814 through SEEM.

SEEM Formation and Participation Costs

Expense Month: January 2025

<u>Item Description</u>	<u>LG&E</u>	<u>KU</u>
Administrative and legal expenses associated with the FERC proceeding	\$ -	\$ -
Costs of SEEM formation and participation	<u>\$ 3,552</u>	<u>\$ 4,905</u>
Total Costs	\$ 3,552	\$ 4,905