

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

FEB 14 2025

PUBLIC SERVICE
COMMISSION

February 14, 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 December 2024.

Sincerely,

A handwritten signature in black ink that reads 'Andrea M. Fackler'. The signature is written in a cursive style with a loop at the end of the last name.

Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: December 31, 2024

Fuel: Coal

Mill Creek High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	11/30/2024	\$ 36,971,710.02	13,485,525.21	\$ 2.7416	590,338.34	\$ 62.6280
Add: Purchases		\$ 18,826,397.19	7,839,263.60	\$ 2.4016	344,370.92	\$ 54.6690
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 55,798,107.21	21,324,788.81	\$ 2.6166	934,709.26	\$ 59.6957
Less: Fuel Burned		\$ 15,770,860.04	5,926,333.30	\$ 2.6611	259,634.00	\$ 60.7427
Ending Inventory	12/31/2024	\$ 40,027,247.17	15,398,455.51	\$ 2.5994	675,075.26	\$ 59.2930

Trimble County High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	11/30/2024	\$ 14,529,042.82	6,337,338.93	\$ 2.2926	277,935.46	\$ 52.2749
Add: Purchases		\$ 14,723,745.30	6,763,618.17	\$ 2.1769	296,850.68	\$ 49.5998
Adjustments		\$ (4,852,590.03) (2)	(2,270,259.58) (2)	\$ 2.1375	(99,650.55) (2)	\$ 48.6961
Sub-Total		\$ 24,400,198.09	10,830,697.52	\$ 2.2529	475,135.59	\$ 51.3542
Less: Fuel Burned-Jurisdictional		\$ 6,429,258.12	2,841,293.09	\$ 2.2628	124,676.75	\$ 51.5674
Fuel Burned-Non-Jurisdictional		\$ 2,359,678.69	1,042,801.79	\$ 2.2628	45,758.44	\$ 51.5682
Total Burn		\$ 8,788,936.81	3,884,094.88	\$ 2.2628	170,435.19	\$ 51.5676
Ending Inventory	12/31/2024	\$ 15,611,261.28	6,946,602.64	\$ 2.2473	304,700.40	\$ 51.2348

Trimble County PRB

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	11/30/2024	\$ 2,615,565.79	886,654.35	\$ 2.9499	49,743.07	\$ 52.5815
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 421,864.99 (3)	159,497.42 (3)	\$ 2.6450	9,009.94 (3)	\$ 46.8222
Sub-Total		\$ 3,037,430.78	1,046,151.77	\$ 2.9034	58,753.01	\$ 51.6983
Less: Fuel Burned-Jurisdictional		\$ 288,064.82	98,435.48	\$ 2.9264	5,528.07	\$ 52.1095
Fuel Burned-Non-Jurisdictional		\$ 105,741.89	36,132.97	\$ 2.9265	2,029.20	\$ 52.1101
Total Burn		\$ 393,806.71	134,568.45	\$ 2.9264	7,557.27	\$ 52.1097
Ending Inventory	12/31/2024	\$ 2,643,624.07	911,583.32	\$ 2.9000	51,195.74	\$ 51.6376

Coal In Transit

		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	12/31/2024	\$ 6,614,224.16 (1)	2,991,820.58 (1)	\$ 2.2108	132,391.86 (1)	\$ 49.9594
Total Combined Inventory	12/31/2024	\$ 64,896,356.68	26,248,462.05	\$ 2.4724	1,163,363.27	\$ 55.7834

(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: December 31, 2024

Fuel: Natural Gas

Paddy's Run

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	11/30/2024	\$ -	-	\$ -
Add: Purchases		\$ 1,030.83	-	\$ -
Paddy's Run Fixed Gas Demand Charge		\$ 411,342.34	-	\$ -
Total Purchases		<u>\$ 412,373.17</u>	-	\$ -
Adjustments		<u>\$ 56,653.97</u> (1)	-	\$ -
Sub-Total		\$ 469,027.14	-	\$ -
Less: Fuel Burned LG&E Share		\$ 294,913.99	-	\$ -
Paddy's Run Purchases Allocated to KU		\$ 27,054.40	-	\$ -
Paddy's Run Fixed Gas Demand Charge Allocated to KU		<u>\$ 147,058.75</u>	-	\$ -
Total Burn		<u>\$ 469,027.14</u>	-	\$ -
Ending Inventory	12/31/2024	\$ -	-	\$ -

Mill Creek

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	11/30/2024	\$ -	-	\$ -
Add: Purchases		<u>\$ 280,066.84</u>	24,558	\$ 11.4043
Total Purchases		\$ 280,066.84	24,558	\$ 11.4043
Adjustments		<u>\$ -</u>	-	\$ -
Sub-Total		\$ 280,066.84	24,558	\$ 11.4043
Less: Fuel Burned		<u>\$ 280,066.84</u>	24,558	\$ 11.4043
Total Burn		\$ 280,066.84	24,558	\$ 11.4043
Ending Inventory	12/31/2024	\$ -	-	\$ -

Cane Run 7

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	11/30/2024	\$ 46,484.93	16,127	\$ 2.8824
Add: Purchases		\$ 10,391,819.05	2,923,762	\$ 3.5543
Fixed Gas Demand Charge		<u>\$ 907,165.16</u>	-	\$ -
Total Purchases		\$ 11,298,984.21	2,923,762	\$ 3.8645
Adjustments		<u>\$ 77,476.99</u> (1)	<u>(41,827)</u> (2)	\$ (1.8523)
Sub-Total		\$ 11,422,946.13	2,898,062	\$ 3.9416
Less: Fuel Burned LG&E Share		\$ 2,434,333.11	615,873	\$ 3.9527
Current Month Purchases Allocated to KU		\$ 7,886,971.28	2,170,971	\$ 3.6329
Fuel Inventory Allocated to KU		\$ 36,258.25	12,579	\$ 2.8824
Fixed Gas Demand Charge Allocated to KU		<u>\$ 707,588.82</u>	-	\$ -
Total Burn		<u>\$ 11,065,151.46</u>	<u>2,799,423</u>	\$ 3.9527
Ending Inventory	12/31/2024	\$ 357,794.67	98,639	\$ 3.6273

Trimble County Start-up and Stabilization

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	11/30/2024	\$ -	-	\$ -
Add: Purchases		\$ 106,613.56	39,251	\$ 2.7162
Fixed Gas Demand Charge		\$ 263,611.64	-	\$ -
Total Purchases		<u>\$ 370,225.20</u>	<u>39,251</u>	\$ 9.4322
Adjustments		<u>\$ -</u>	<u>-</u>	\$ -
Sub-Total		\$ 370,225.20	39,251	\$ 9.4322
Less: Fuel Burned LG&E Share-Jurisdictional		\$ 128,436.38	11,583	\$ 11.0884
Fuel Burned Non-Jurisdictional		\$ 46,929.60 (3)	4,232 (3)	\$ 11.0892
Purchases Allocated to KU		\$ 63,656.86	23,436	\$ 2.7162
Fixed Gas Demand Charge Allocated to KU		\$ 131,202.36	-	\$ -
Total Burn		<u>\$ 370,225.20</u>	<u>39,251</u>	\$ 9.4322
Ending Inventory	12/31/2024	\$ -	-	\$ -

Trimble County CTs

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	11/30/2024	\$ 705,248.41	325,509	\$ 2.1666
Add: Purchases		\$ 1,383,394.52	448,379	\$ 3.0853
Fixed Gas Demand Charge		\$ 3,498,858.36	-	\$ -
Total Purchases		<u>\$ 4,882,252.88</u>	<u>448,379</u>	\$ 10.8887
Adjustments		<u>\$ 137,268.47 (1)</u>	<u>(6,634) (2)</u>	\$ (20.6917)
Sub-Total		\$ 5,724,769.76	767,254	\$ 7.4614
Less: Fuel Burned LG&E Share		\$ 1,758,968.66	192,295	\$ 9.1472
Trimble County Start-up and Stabilization LG&E Share		\$ 42,956.70	15,815	\$ 2.7162
Current Month Fuel Purchases Allocated to KU		\$ 558,388.10	139,280	\$ 4.0091
Fuel Inventory Allocated to KU		\$ 454,341.44	209,913	\$ 2.1644
Fixed Gas Demand Charge Allocated to KU		\$ 2,297,583.66	-	\$ -
Trimble County Start-up and Stabilization KU Share		\$ 63,656.86	23,436	\$ 2.7162
Total Burn		<u>\$ 5,175,895.42</u>	<u>580,739</u>	\$ 8.9126
Ending Inventory	12/31/2024	\$ 548,874.34	186,515	\$ 2.9428

Brown CTs

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	11/30/2024	\$ -	-	\$ -
Add: Current Month Purchases Allocated from KU		\$ -	-	\$ -
Fuel Inventory allocated from KU		\$ 2,118.60	331	\$ 6.4006
Total Purchases		<u>\$ 2,118.60</u>	<u>331</u>	\$ 6.4006
Adjustments		\$ -	-	\$ -
Sub-Total		<u>\$ 2,118.60</u>	<u>331</u>	\$ 6.4006
Less: Fuel Burned		<u>\$ 2,118.60</u>	<u>331</u>	\$ 6.4006
Ending Inventory	12/31/2024	\$ -	-	\$ -
Total Combined Inventory	12/31/2024	<u>\$ 906,669.01</u>	<u>285,154</u>	\$ 3.1796

(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 December 31, 2024

Company	Type of Transaction	KWH	Billing Components			Total Charges(\$)
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	
Purchases						
EAST KENTUCKY POWER COOPERATIVE	EKPC	Economy	-	\$ 590.75	\$ -	\$ 590.75
ENERGY IMBALANCE	IMBL	Economy	438,000	\$ 13,125.09	\$ -	\$ 13,125.09
LQF TARIFF PURCHASE POWER	LQF TARIFF	LQF TARIFF	22,780	\$ 685.11	\$ -	\$ 685.11
GREEN TARIFF BUSINESS SOLAR PURCHASE POWER	GTBS	GTBS	-	\$ 14.89	\$ -	\$ 14.89
SOLAR SHARE PROGRAM	SSP	SSP	-	\$ 1,773.89	\$ -	\$ 1,773.89
NMS-2	NMS-2	NMS-2	365,323	\$ 33,225.20	\$ -	\$ 33,225.20
SQF TARIFF PURCHASE POWER	SQF TARIFF	SQF Tariff	3,600	\$ 108.54	\$ -	\$ 108.54
KENTUCKY UTILITIES COMPANY	KU	Economy	26,067,000	\$ 632,540.79	\$ 414.71	\$ 632,955.50
OHIO VALLEY ELECTRIC CORPORATION	OVEC	Economy	60,215,000	\$ 2,180,364.28	\$ -	\$ 4,364,355.45
Total Purchases			87,111,703	\$ 2,183,991.17	\$ 414.71	\$ 5,046,834.42
Sales						
DYNASTY POWER INC.	DYNASTYPWR	Economy	165,000	\$ 4,321.44	\$ 3,156.71	\$ 7,478.15
ENERGY IMBALANCE	IMBL	Economy	411,000	\$ 8,162.64	\$ 5,756.46	\$ 13,919.10
MACQUARIE ENERGY, LLC	MACQUARIE	Economy	1,164,000	\$ 38,362.10	\$ 28,022.75	\$ 66,384.85
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	8,432,000	\$ 248,622.96	\$ 181,614.12	\$ 430,237.08
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	4,510,000	\$ 132,037.80	\$ 96,450.98	\$ 228,488.78
RAINBOW ENERGY MARKETING CORP	REMC	Economy	5,336,000	\$ 170,703.81	\$ 124,695.73	\$ 295,399.54
THE ENERGY AUTHORITY	TEA	Economy	263,000	\$ 5,560.56	\$ 4,061.88	\$ 9,622.44
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	Economy	155,000	\$ 4,043.99	\$ 2,954.06	\$ 6,998.05
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	Economy	144,000	\$ 3,859.80	\$ 2,819.51	\$ 6,679.31
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	Economy	15,000	\$ 366.18	\$ 279.88	\$ 646.06
THE ENERGY AUTHORITY-SEEM	TEAM	Economy	134,000	\$ 8,672.01	\$ 6,334.73	\$ 15,006.74
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	Economy	38,000	\$ 993.27	\$ 725.56	\$ 1,718.83
KENTUCKY UTILITIES COMPANY	KU	Economy	95,291,000	\$ 2,751,580.38	\$ 5,472.00	\$ 2,757,052.38
Total Sales			116,058,000	\$ -	\$ 3,377,286.94	\$ 3,839,631.31



Detailed Power Transaction Schedule
Month Ended December 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	-	\$ -	-	\$ -	\$ -	-	\$ -
ENERGY IMBALANCE	IMBL	438,000	\$ 6,436.96	219,000	\$ 29.39	\$ 4,591.23	155,000	\$ 29.62
LQF TARIFF PURCHASE POWER	LQF TARIFF	22,780	\$ 685.11	22,780	\$ 30.08	\$ -	-	\$ -
GREEN TARIFF BUSINESS SOLAR PURCHASE POWER	GTBS	-	\$ 14.89	-	\$ -	\$ -	-	\$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 1,773.89	-	\$ -	\$ -	-	\$ -
NMS-2	NMS-2	365,323	\$ 33,225.20	365,323	\$ 90.95	\$ -	-	\$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	3,600	\$ 108.54	3,600	\$ 30.15	\$ -	-	\$ -
KENTUCKY UTILITIES COMPANY	KU	26,067,000	\$ 622,545.27	25,736,000	\$ 24.19	\$ -	-	\$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	60,215,000	\$ 2,255,849.12	60,215,000	\$ 37.46	\$ -	-	\$ -
Total Purchases		87,111,703	\$ 2,920,638.98	86,561,703	\$ 33.74	\$ 4,591.23	155,000	\$ 29.62

*625 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes

*74,438 kWh related to the Solar Share Program are included in generation for FAC purposes

<u>Sales</u>								
DYNASTY POWER INC.	DYNASTYPWR	165,000						
ENERGY IMBALANCE	IMBL	411,000						
MACQUARIE ENERGY, LLC	MACQUARIE	1,164,000						
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	8,432,000						
PJM INTERCONNECTION ASSOCIATION	PJM	4,510,000						
RAINBOW ENERGY MARKETING CORP	REMC	5,336,000						
THE ENERGY AUTHORITY	TEA	263,000						
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	155,000						
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	144,000						
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	15,000						
THE ENERGY AUTHORITY-SEEM	TEAM	134,000						
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	38,000						
KENTUCKY UTILITIES COMPANY	KU	95,291,000						
Total Sales		116,058,000	\$ -	-	\$ -	\$ -	-	\$ -



Detailed Power Transaction Schedule
Month Ended December 31, 2024

Company	KWH	OSS Purchases			Adj. From Prior Month (\$)	Total Energy * Charges (\$)	Demand(\$)	Other Charges(\$)	Total Charges(\$)	
		Energy Cost (\$)	KWH	\$/MWH						
Purchases										
EAST KENTUCKY POWER COOPERATIVE	EKPC	-	\$ -	-	\$ -	\$ 590.75	\$ -	\$ -	\$ 590.75	
ENERGY IMBALANCE	IMBL	438,000	\$ 2,004.32	64,000	\$ 31.32	\$ 92.58	\$ -	\$ -	\$ 13,125.09	
LQF TARIFF PURCHASE POWER	LQF TARIFF	22,780	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ 685.11	
GREEN TARIFF BUSINESS SOLAR PURCHASE POWER	GTBS	-	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ 14.89	
SOLAR SHARE PROGRAM	SSP	-	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ 1,773.89	
NMS-2	NMS-2	365,323	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ 33,225.20	
SQF TARIFF PURCHASE POWER	SQF TARIFF	3,600	\$ -	-	\$ -	\$ -	\$ -	\$ -	\$ 108.54	
KENTUCKY UTILITIES COMPANY	KU	26,067,000	\$ 9,995.52	331,000	\$ 30.20	\$ -	\$ -	\$ 414.71	\$ 632,955.50	
OHIO VALLEY ELECTRIC CORPORATION	OVEC	60,215,000	\$ -	-	\$ -	\$ (75,484.84)	\$ 2,180,364.28	\$ 2,183,991.17	\$ 4,364,355.45	
Total Purchases		87,111,703	\$ 11,999.84	395,000	\$ 30.38	\$ (74,801.51)	\$ 2,862,428.54	\$ 2,183,991.17	\$ 414.71	\$ 5,046,834.42

*625 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes

*74,438 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales										
DYNASTY POWER INC.	DYNASTYPWR	165,000	\$ 82.93	3,000	\$ 27.64	\$ -	\$ 4,321.44	\$ -	\$ 3,156.71	\$ 7,478.15
ENERGY IMBALANCE	IMBL	411,000	\$ 156.64	8,000	\$ 19.58	\$ -	\$ 8,162.64	\$ -	\$ 5,756.46	\$ 13,919.10
MACQUARIE ENERGY, LLC	MACQUARIE	1,164,000	\$ 736.14	22,000	\$ 33.46	\$ -	\$ 38,362.10	\$ -	\$ 28,022.75	\$ 66,384.85
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	8,432,000	\$ 4,770.90	160,000	\$ 29.82	\$ -	\$ 248,622.96	\$ -	\$ 181,614.12	\$ 430,237.08
PJM INTERCONNECTION ASSOCIATION	PJM	4,510,000	\$ 2,533.70	86,000	\$ 29.46	\$ -	\$ 132,037.80	\$ -	\$ 96,450.98	\$ 228,488.78
RAINBOW ENERGY MARKETING CORP	REMC	5,336,000	\$ 3,275.69	101,000	\$ 32.43	\$ -	\$ 170,703.81	\$ -	\$ 124,695.73	\$ 295,399.54
THE ENERGY AUTHORITY	TEA	263,000	\$ 106.70	5,000	\$ 21.34	\$ -	\$ 5,560.56	\$ -	\$ 4,061.88	\$ 9,622.44
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	155,000	\$ 77.60	3,000	\$ 25.87	\$ -	\$ 4,043.99	\$ -	\$ 2,954.06	\$ 6,998.05
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	144,000	\$ 74.07	3,000	\$ 24.69	\$ -	\$ 3,859.80	\$ -	\$ 2,819.51	\$ 6,679.31
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	15,000	\$ -	-	\$ -	\$ -	\$ 366.18	\$ -	\$ 279.88	\$ 646.06
THE ENERGY AUTHORITY-SEEM	TEAM	134,000	\$ 166.41	3,000	\$ 55.47	\$ -	\$ 8,672.01	\$ -	\$ 6,334.73	\$ 15,006.74
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	38,000	\$ 19.06	1,000	\$ 19.06	\$ -	\$ 993.27	\$ -	\$ 725.56	\$ 1,718.83
KENTUCKY UTILITIES COMPANY	KU	95,291,000	\$ -	-	\$ -	\$ -	\$ 2,751,580.38	\$ -	\$ 5,472.00	\$ 2,757,052.38
Total Sales		116,058,000	\$ 11,999.84	395,000	\$ 30.38	\$ -	\$ 3,377,286.94	\$ -	\$ 462,344.37	\$ 3,839,631.31

	KWH	\$/MWH
GENERATION FOR OSS	20,372,000	\$ 613,706.72
GENERATION FOR INTERNAL ECONOMY TO KU	91,267,000	\$ 2,636,212.01
GENERATION FOR INTERNAL REPLACEMENT TO KU	4,024,000	\$ 114,988.80
SPLIT SAVINGS		\$ 379.57
SALES FROM INTERNAL GENERATION	115,663,000	\$ 3,365,287.10
SALES FROM OSS PURCHASES	395,000	\$ 11,999.84
	116,058,000	\$ 3,377,286.94
ADJUSTMENTS FROM PRIOR MONTHS	-	\$ -
	116,058,000	\$ 3,377,286.94

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Dec - 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			% H2O	
									\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	\$ Per Ton	¢ Per MMBTU	% Sulfur		% Ash
(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	IL	3,273.84	11,591	23.183	42.04	181.36	4.86	20.96	46.90	202.32	2.68	9.06	11.46
Alliance Coal LLC	P	J21004	B	U	WKY	40,971.65	11,450	22.899	42.14	184.02	4.92	21.47	47.06	205.49	2.98	9.29	11.97
Alliance Coal LLC	P	J21010	B	U	WKY	14,782.73	11,409	22.818	42.03	184.20	4.94	21.66	46.97	205.86	3.01	9.39	12.28
Alliance Coal LLC	P	J23004	B	U	WKY	11,606.75	11,446	22.891	51.57	225.29	4.86	21.23	56.43	246.52	2.96	9.13	12.44
Alliance Coal LLC	P	J24003	R	U	WKY	151,868.00	11,568	23.137	55.88	241.52	6.37	27.55	62.25	269.07	3.16	13.42	8.60
Foresight Coal Sales LLC	P	J21011	B	U	IL	25,386.76	10,591	21.182	28.96	136.70	4.86	22.94	33.82	159.64	3.43	8.69	16.56
Foresight Coal Sales LLC	P	J21011	B	U	IL	10,388.88	11,465	22.930	34.60	150.88	4.86	21.20	39.46	172.08	2.96	8.69	12.14
Knight Hawk Coal LLC	P	J21022	B	U	IL	23,484.69	11,166	22.333	37.17	166.45	9.51	42.59	46.68	209.04	2.99	8.69	13.12
Knight Hawk Coal LLC	P	J23002	B	U	IL	31,507.87	11,071	22.142	45.18	204.03	9.51	42.95	54.69	246.98	2.99	9.61	12.83
Peabody COALSALES LLC	P	J23003	B	U	IL	3,196.90	11,108	22.215	89.43	402.55	8.48	38.17	97.91	440.72	3.01	8.60	13.12
Total Long Term						316,468.07	11,375	22.751	48.18	211.77	6.44	28.32	54.62	240.09	3.10	11.18	10.94
Spot Contract																	
Alliance Coal LLC	P	J24023	B	U	IL	4,981.01	11,473	22.945	43.72	190.53	4.86	21.18	48.58	211.71	2.68	9.51	11.81
Alliance Coal LLC	P	J24023	B	U	WKY	22,921.84	11,453	22.906	44.92	196.12	4.86	21.22	49.78	217.34	2.97	9.24	11.94
Total Spot						27,902.85	11,456	22.913	44.71	195.12	4.86	21.21	49.57	216.33	2.92	9.29	11.92
Total Mill Creek						344,370.92	11,382	22.764	47.90	210.41	6.31	27.74	54.21	238.15	3.09	11.03	11.01

(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
Dec - 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	WKY	70,969.71	11,451	22.903	42.13	183.96	5.57	24.32	47.70	208.28	3.02	9.30	11.91	
Alliance Coal LLC	P	J21010	B	U	WKY	78,550.85	11,445	22.890	41.94	183.21	5.57	24.33	47.51	207.54	3.03	9.22	12.36	
Alliance Coal LLC	P	J23004	B	U	WKY	14,563.97	11,409	22.817	51.25	224.61	5.57	24.41	56.82	249.02	3.01	9.21	12.36	
Alliance Coal LLC	P	J24007	B	U	WKY	8,183.86	11,456	22.912	46.49	202.93	5.57	24.31	52.06	227.24	3.05	9.26	12.17	
Foresight Coal Sales LLC	P	J21011	B	U	IL	14,964.93	10,625	21.251	28.83	135.68	5.57	26.21	34.40	161.89	3.45	8.71	16.27	
Foresight Coal Sales LLC	P	J21011	B	U	IL	1,558.20	11,677	23.354	34.60	148.14	5.57	23.85	40.17	171.99	2.90	8.43	11.07	
Knight Hawk Coal LLC	P	J21022	B	U	IL	8,518.54	11,114	22.227	37.18	167.26	10.23	46.02	47.41	213.28	2.93	8.69	13.42	
Peabody COALSLES LLC	P	J23003	B	U	IL	4,855.70	11,089	22.179	89.43	403.21	9.19	41.43	98.62	444.64	2.99	8.52	13.30	
Total Long Term						202,165.76	11,364	22.727	42.77	188.21	5.86	25.75	48.63	213.96	3.05	9.17	12.54	
Spot Contract																		
Alliance Coal LLC	P	J24023	B	U	WKY	94,684.92	11,453	22.907	44.91	196.05	5.57	24.32	50.48	220.37	2.99	9.33	11.97	
Total Spot						94,684.92	11,453	22.907	44.91	196.05	5.57	24.32	50.48	220.37	2.99	9.33	11.97	
Total Trimble County						296,850.68	11,392	22.785	43.46	190.72	5.76	25.29	49.22	216.01	3.03	9.22	12.36	
Total Louisville Gas & Electric						641,221.60	11,387	22.774	45.84	201.29	6.06	26.61	51.90	227.90	3.06	10.19	11.64	

(b) Designated by symbol
P= Producer D= Distributor
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Designated by Symbol

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

**LOUISVILLE GAS AND ELECTRIC COMPANY
ANALYSIS OF OTHER FUEL PURCHASES
Month Ended: December 31, 2024**

<u>Fuel & Supplier</u> (a)	P B D <u>U</u> (b)	P O C <u>N</u> (c)	M T (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	752,791 (1)	1.065	2,704,424.11 (1)	337.33	-
LG&E	U	-	P	Mill Creek	24,558	1.065	280,066.84	1,070.83	-
LG&E	U	-	P	Paddy's Run	- (1)	0.000	294,913.99 (1)	-	-
Kentucky Utilities	U	-	P	EW Brown CTs	331 (2)	1.024	2,118.60 (2)	624.96	-
LG&E	U	-	P	Trimble County	285,663 (1)	1.065	2,095,033.53 (1)	688.63	-
Total Natural Gas					<u>1,063,343</u>	<u>1.065</u>	<u>5,376,557.07</u>	<u>474.77</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: December 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)	206	185	234	321	
	c. Net Demonstrated Capability (MW)	300	297	394	486	
	d. Net Capability Factor (1b/1c) (%)	69%	62%	59%	66%	
2.	Heat Rate:					
	a. BTU Consumed (MMBTU)	710,073	1,508,082	1,440,582	2,293,751	
	b. Gross Generation (MWH)	74,846	154,414	151,761	246,026	
	c. Net Generation (MWH)	63,427	136,258	136,658	225,179	
	d. Heat Rate (2a/2c) (BTU/KWH)	11,195	11,068	10,542	10,186	
3.	Operation Availability:					
	a. Hours Unit Operated	307	737	583	702	
	b. Hours Available	744	737	665	702	
	c. Hours During the Period	744	744	744	744	
	d. Availability Factor (3b/3c) (%)	100%	99%	89%	94%	
4.	Cost per KWH:					
	a. Gross Generation - FAC Basis (cents/KWH)	2.565	2.610	2.590	2.508	
	b. Net Generation - FAC Basis (cents/KWH)	3.027	2.958	2.876	2.740	
5.	Inventory Analysis:					
	a. Number of Days Supply based on actual burn at the station (1)					79

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

(2) Mill Creek Unit #1 retired as of December 31, 2024.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Trimble County

Month Ended: December 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)	441	582	
	c. Net Demonstrated Capability (MW)	493	760	
	d. Net Capability Factor (1b/1c) (%)	89%	77%	
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	3,494,474	2,847,540	
	b. Gross Generation (MWH)	357,973	325,451	
	c. Net Generation (MWH)	327,770	298,131	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,661	9,551	
3.	Operation Availability:			
	a. Hours Unit Operated	744	512	
	b. Hours Available	744	512	
	c. Hours During the Period	744	744	
	d. Availability Factor (3b/3c) (%)	100%	69%	
4.	Cost per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	2.239	2.173	
	b. Net Generation - FAC Basis (cents/KWH)	2.445	2.372	
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)			92

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: December 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)	-	-	142	144	139	-	144	141
	c. Net Demonstrated Capability (MW)	28	175	179	179	179	179	179	179
	d. Net Capability Factor (1b/1c) (%)	-	-	79%	80%	78%	-	81%	79%
2.	Heat Rate:								
	a. BTU Consumed (MMBTU)	-	-	68,965	38,277	230,148	-	213,405	25,892
	b. Gross Generation (MWH)	-	-	6,564	3,641	21,863	-	20,674	2,473
	c. Net Generation (MWH)	(24) (1)	(131) (1)	6,376	3,537	21,532	-	20,334	2,432
	d. Heat Rate (2a/2c) (BTU/KWH)	-	-	10,816	10,822	10,689	-	10,495	10,646
3.	Operation Availability:								
	a. Hours Unit Operated	-	-	45	25	155	-	141	17
	b. Hours Available	744	646	731	729	744	731	744	733
	c. Hours During the Period	744	744	744	744	744	744	744	744
	d. Availability Factor (3b/3c) (%)	100%	87%	98%	98%	100%	98%	100%	98%
4.	Cost per KWH:								
	a. Gross Generation - FAC Basis (cents/KWH)	-	-	11.745	18.879	5.534	-	5.632	26.431
	b. Net Generation - FAC Basis (cents/KWH)	-	-	12.091	19.434	5.619	-	5.726	26.877
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: December 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)	642
	c. Net Demonstrated Capability (MW)	691
	d. Net Capability Factor (1b/1c) (%)	93%
2.	Heat Rate:	
	a. BTU Consumed (MMBTU)	2,981,386
	b. Gross Generation (MWH)	452,119
	c. Net Generation (MWH)	441,911
	d. Heat Rate (2a/2c) (BTU/KWH)	6,747
3.	Operation Availability:	
	a. Hours Unit Operated	688
	b. Hours Available	688
	c. Hours During the Period	744
	d. Availability Factor (3b/3c) (%)	93%
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (cents/KWH)	2.447
	b. Net Generation - FAC Basis (cents/KWH)	2.504
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 (December 2024)

Cost Components of Highest Priced Units:

UNIT NAME	(1) FULL LOAD HR <small>(BTU/KWH)</small>	(2) FUEL COST <small>(c/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	326.90	57.84	0.00	0.00	0.00	0.00	57.84	N/A	N/A	
HAEFLING	17,765	630.28	111.97	0.00	0.00	0.00	0.00	111.97	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					\$0.00		
					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 December-24	MTD Current Year December-24
Revenue		
External Sales ¹	\$ 1,082,579	\$ 212,343
Internal Sales	\$ 120,461	\$ 10,410
Total	<u>\$ 1,203,040</u>	<u>\$ 222,754</u>
External Expenses		
Fuel	\$ (613,707)	\$ (4,660)
Purchase Power	\$ (2,907)	\$ (636)
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (28,798)	\$ (227)
Transmission	\$ (1,043)	\$ (170)
RTO Costs	\$ (4,232)	\$ (1,001)
Inter-System Losses	\$ (3,129)	\$ (600)
Internal Expenses		
Fuel	\$ (114,989)	\$ (9,996)
Purchase Power	\$ (10,410)	\$ (120,461)
Other Consumables	\$ (5,458)	\$ (414)
Transmission	\$ (161,625)	\$ (32,750)
Total	<u>\$ (946,297)</u>	<u>\$ (170,915)</u>
Electric Off-System Sales Margin	<u>\$ 256,742</u>	<u>\$ 51,839</u>
OSS Margin - Jurisdictional	\$ 192,557	\$ 36,336
OSS Margin - Non-Jurisdictional	\$ -	\$ 2,543
OSS Margin - Utility Share	<u>\$ 64,186</u>	<u>\$ 12,960</u>

Note 1: LG&E sold 486 MWh totaling \$31,049 through SEEM. KU sold 99 MWh totaling \$6,144 through SEEM.

SEEM Formation and Participation Costs

Expense Month: December 2024

<u>Item Description</u>	<u>LG&E</u>	<u>KU</u>
Administrative and legal expenses associated with the FERC proceeding	\$ 69	\$ 69
Costs of SEEM formation and participation	<u>\$ 4,149</u>	<u>\$ 5,730</u>
Total Costs	\$ 4,218	\$ 5,799