

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

APR 12 2024

PUBLIC SERVICE
COMMISSION

April 12, 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 February 2024.

Sincerely,

A handwritten signature in black ink that reads 'Andrea M. Fackler'. The signature is written in a cursive, flowing style.

Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: February 29, 2024

Fuel: Coal

Mill Creek High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	1/31/2024	\$ 32,695,454.29	13,762,650.84	\$ 2.3757	600,447.73	\$ 54.4518
Add: Purchases		\$ 18,671,349.47	7,687,513.45	\$ 2.4288	331,713.04	\$ 56.2877
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 51,366,803.76	21,450,164.29	\$ 2.3947	932,160.77	\$ 55.1051
Less: Fuel Burned		\$ 16,594,826.13	6,955,436.11	\$ 2.3859	302,688.00	\$ 54.8249
Ending Inventory	2/29/2024	\$ 34,771,977.63	14,494,728.18	\$ 2.3989	629,472.77	\$ 55.2398

Trimble County High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	1/31/2024	\$ 9,327,237.36	4,134,499.85	\$ 2.2560	180,884.70	\$ 51.5645
Add: Purchases		\$ 13,790,330.81	6,268,062.76	\$ 2.2001	274,045.88	\$ 50.3212
Adjustments		\$ (5,904,573.34) (2)	(2,692,980.97) (2)	\$ 2.1926	(117,712.43) (2)	\$ 50.1610
Sub-Total		\$ 17,212,994.83	7,709,581.64	\$ 2.2327	337,218.15	\$ 51.0441
Less: Fuel Burned-Jurisdictional		\$ 4,910,908.61	2,177,177.49	\$ 2.2556	95,339.88	\$ 51.5095
Fuel Burned-Non-Jurisdictional		\$ 1,905,973.33	845,001.14	\$ 2.2556	37,003.09	\$ 51.5085
Total Burn		\$ 6,816,881.94	3,022,178.63	\$ 2.2556	132,342.97	\$ 51.5092
Ending Inventory	2/29/2024	\$ 10,396,112.89	4,687,403.01	\$ 2.2179	204,875.18	\$ 50.7436

Trimble County PRB

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	1/31/2024	\$ 1,881,900.11	698,457.23	\$ 2.6944	39,399.28	\$ 47.7648
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 576,258.93 (3)	214,336.87 (3)	\$ 2.6886	12,100.84 (3)	\$ 47.6214
Sub-Total		\$ 2,458,159.04	912,794.10	\$ 2.6930	51,500.12	\$ 47.7311
Less: Fuel Burned-Jurisdictional		\$ 307,336.34	114,089.21	\$ 2.6938	6,437.04	\$ 47.7450
Fuel Burned-Non-Jurisdictional		\$ 119,287.89	44,282.24	\$ 2.6938	2,498.45	\$ 47.7448
Total Burn		\$ 426,624.23	158,371.45	\$ 2.6938	8,935.49	\$ 47.7449
Ending Inventory	2/29/2024	\$ 2,031,534.81	754,422.65	\$ 2.6928	42,564.63	\$ 47.7282

Coal In Transit

		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	2/29/2024	\$ 6,033,549.68 (1)	2,831,750.65 (1)	\$ 2.1307	123,378.20 (1)	\$ 48.9029
Total Combined Inventory	2/29/2024	\$ 53,233,175.01	22,768,304.49	\$ 2.3380	1,000,290.79	\$ 53.2177

(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: February 29, 2024

Fuel: Natural Gas

Paddy's Run

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	1/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 67,532.07	4,667	\$ 14.4701
Paddy's Run Fixed Gas Demand Charge		\$ 384,804.11	-	\$ -
Total Purchases		<u>\$ 452,336.18</u>	<u>4,667</u>	<u>\$ 96.9223</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 452,336.18	4,667	\$ 96.9223
Less: Fuel Burned LG&E Share		\$ 283,032.12	2,474	\$ 114.4026
Paddy's Run Purchases Allocated to KU		\$ 31,732.98	2,193	\$ 14.4701
Paddy's Run Fixed Gas Demand Charge Allocated to KU		\$ 137,571.08	-	\$ -
Total Burn		<u>\$ 452,336.18</u>	<u>4,667</u>	<u>\$ 96.9223</u>
Ending Inventory	2/29/2024	\$ -	-	\$ -

Mill Creek

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	1/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 225,624.20	14,992	\$ 15.0496
Total Purchases		<u>\$ 225,624.20</u>	<u>14,992</u>	<u>\$ 15.0496</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 225,624.20	14,992	\$ 15.0496
Less: Fuel Burned		\$ 225,624.20	14,992	\$ 15.0496
Total Burn		<u>\$ 225,624.20</u>	<u>14,992</u>	<u>\$ 15.0496</u>
Ending Inventory	2/29/2024	\$ -	-	\$ -

Cane Run 7

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	1/31/2024	\$ 67,815.11	14,898	\$ 4.5520
Add: Purchases		\$ 8,042,337.02	2,453,064	\$ 3.2785
Fixed Gas Demand Charge		\$ 848,638.39	-	\$ -
Total Purchases		<u>\$ 8,890,975.41</u>	<u>2,453,064</u>	<u>\$ 3.6244</u>
Adjustments		<u>\$ 75,031.11 (1)</u>	<u>(28,035) (2)</u>	<u>\$ (2.6763)</u>
Sub-Total		\$ 9,033,821.63	2,439,927	\$ 3.7025
Less: Fuel Burned LG&E Share		\$ 1,867,884.87	501,143	\$ 3.7272
Current Month Purchases Allocated to KU		\$ 5,907,658.01	1,765,157	\$ 3.3468
Fuel Inventory Allocated to KU		\$ 52,895.79	11,620	\$ 4.5521
Fixed Gas Demand Charge Allocated to KU		\$ 661,937.94	-	\$ -
Total Burn		<u>\$ 8,490,376.61</u>	<u>2,277,920</u>	<u>\$ 3.7272</u>
Ending Inventory	2/29/2024	\$ 543,445.02	162,007	\$ 3.3545

Trimble County Start-up and Stabilization

		Amount	Units (MCF)	Per Unit
Beginning Inventory	1/31/2024	\$ (0.01)	-	\$ -
Add: Purchases		\$ 73,701.15	14,271	\$ 5.1644
Fixed Gas Demand Charge		\$ 246,604.42	-	\$ -
Total Purchases		<u>\$ 320,305.57</u>	<u>14,271</u>	<u>\$ 22.4445</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 320,305.56	14,271	\$ 22.4445
Less: Fuel Burned LG&E Share-Jurisdictional		\$ 116,739.19	5,329	\$ 21.9064
Fuel Burned Non-Jurisdictional		\$ 45,333.76 (3)	2,069 (3)	\$ 21.9110
Purchases Allocated to KU		\$ 35,494.92	6,873	\$ 5.1644
Fixed Gas Demand Charge Allocated to KU		<u>\$ 122,737.70</u>	<u>-</u>	<u>\$ -</u>
Total Burn		<u>\$ 320,305.57</u>	<u>14,271</u>	<u>\$ 22.4445</u>
Ending Inventory	2/29/2024	\$ (0.01)	-	\$ -

Trimble County CTs

		Amount	Units (MCF)	Per Unit
Beginning Inventory	1/31/2024	\$ 720,043.38	67,921	\$ 10.6012
Add: Purchases		\$ 139,321.63	103,073	\$ 1.3517
Fixed Gas Demand Charge		<u>\$ 3,273,125.58</u>	<u>-</u>	<u>\$ -</u>
Total Purchases		<u>\$ 3,412,447.21</u>	<u>103,073</u>	<u>\$ 33.1071</u>
Adjustments		<u>\$ 16,407.30 (1)</u>	<u>(1,415) (2)</u>	<u>\$ (11.5953)</u>
Sub-Total		\$ 4,148,897.89	169,579	\$ 24.4659
Less: Fuel Burned LG&E Share		\$ 1,153,711.13	5,797	\$ 199.0187
Trimble County Start-up and Stabilization LG&E Share		\$ 38,206.23	7,398	\$ 5.1644
Current Month Fuel Purchases Allocated to KU		\$ -	-	\$ -
Fuel Inventory Allocated to KU		\$ 50,977.79	9,871	\$ 5.1644
Fixed Gas Demand Charge Allocated to KU		\$ 2,149,352.48	-	\$ -
Trimble County Start-up and Stabilization KU Share		<u>\$ 35,494.92</u>	<u>6,873</u>	<u>\$ 5.1644</u>
Total Burn		<u>\$ 3,427,742.55</u>	<u>29,939</u>	<u>\$ 114.4909</u>
Ending Inventory	2/29/2024	\$ 721,155.34	139,640	\$ 5.1644

Brown CTs

		Amount	Units (MCF)	Per Unit
Beginning Inventory	1/31/2024	\$ -	-	\$ -
Add: Current Month Purchases Allocated from KU		\$ -	-	\$ -
Fuel Inventory allocated from KU		<u>\$ 34,265.32</u>	<u>2,569</u>	<u>\$ 13.3380</u>
Total Purchases		<u>\$ 34,265.32</u>	<u>2,569</u>	<u>\$ 13.3380</u>
Adjustments		\$ -	-	\$ -
Sub-Total		<u>\$ 34,265.32</u>	<u>2,569</u>	<u>\$ 13.3380</u>
Less: Fuel Burned		<u>\$ 34,265.32</u>	<u>2,569</u>	<u>\$ 13.3380</u>
Ending Inventory	2/29/2024	\$ -	-	\$ -
Total Combined Inventory	2/29/2024	<u><u>\$ 1,264,600.35</u></u>	<u><u>301,647</u></u>	<u>\$ 4.1923</u>

(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 February 29, 2024

Company	Type of Transaction	KWH	Billing Components			
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)
Purchases						
ENERGY IMBALANCE	IMBL	386,000	\$ -	\$ 8,990.94	\$ -	\$ 8,990.94
PJM INTERCONNECTION ASSOCIATION	PJM	100,000	\$ -	\$ 1,307.37	\$ -	\$ 1,307.37
TENNESSEE VALLEY AUTHORITY	TVA	3,046,000	\$ -	\$ 39,505.43	\$ -	\$ 39,505.43
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	29,000	\$ -	\$ 349.23	\$ -	\$ 349.23
DUKE ENERGY FLORIDA, LLC	DUKEFLORIDA	1,112,000	\$ -	\$ 13,440.67	\$ -	\$ 13,440.67
THE ENERGY AUTHORITY-SEEM	TEAM	15,000	\$ -	\$ 181.87	\$ -	\$ 181.87
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	1,576,000	\$ -	\$ 19,914.93	\$ -	\$ 19,914.93
LQF TARIFF PURCHASE POWER	LQF TARIFF	36,680	\$ -	\$ 873.80	\$ -	\$ 873.80
SOLAR SHARE PROGRAM	SSP	-	\$ -	\$ 830.06	\$ -	\$ 830.06
NMS-2	NMS-2	371,537	\$ -	\$ 27,407.09	\$ -	\$ 27,407.09
SQF TARIFF PURCHASE POWER	SQF TARIFF	5,280	\$ -	\$ 125.82	\$ -	\$ 125.82
KENTUCKY UTILITIES COMPANY	KU	607,000	\$ -	\$ 14,601.27	\$ 738.51	\$ 15,339.78
OHIO VALLEY ELECTRIC CORPORATION	OVEC	49,146,000	\$ 1,772,548.79	\$ 1,741,339.86	\$ -	\$ 3,513,888.65
Total Purchases		56,430,497	\$ 1,772,548.79	\$ 1,868,868.34	\$ 738.51	\$ 3,642,155.64
Sales						
ETC ENDURE ENERGY LLC	ETC	98,000		\$ 1,806.24	\$ 2,122.78	\$ 3,929.02
INDIANA MUNICIPAL POWER AGENCY	IMPA	17,000		\$ 235.29	\$ 276.52	\$ 511.81
ENERGY IMBALANCE	IMBL	424,000		\$ 5,289.21	\$ 6,004.47	\$ 11,293.68
MACQUARIE ENERGY, LLC	MACQUARIE	197,000		\$ 3,623.22	\$ 4,258.17	\$ 7,881.39
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	2,282,000		\$ 66,571.74	\$ 78,238.18	\$ 144,809.92
PJM INTERCONNECTION ASSOCIATION	PJM	3,688,000		\$ 89,470.20	\$ 105,149.53	\$ 194,619.73
RAINBOW ENERGY MARKETING CORP	REMC	1,279,000		\$ 25,660.21	\$ 30,157.08	\$ 55,817.29
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	16,000		\$ 253.18	\$ 297.54	\$ 550.72
THE ENERGY AUTHORITY-SEEM	TEAM	176,000		\$ 4,235.88	\$ 4,978.21	\$ 9,214.09
KENTUCKY UTILITIES COMPANY	KU	211,766,000		\$ 4,883,116.17	\$ 78.19	\$ 4,883,194.36
Total Sales		219,943,000	\$ -	\$ 5,080,261.34	\$ 231,560.67	\$ 5,311,822.01



Detailed Power Transaction Schedule
Month Ended February 29, 2024

Company	KWH	Native Load		Forced Outages		
		Energy Cost (\$)	KWH	\$/MWH	Energy Cost (\$)	KWH
Purchases						
ENERGY IMBALANCE	IMBL	386,000	\$ 4,944.94	225,000	\$ 21.98	\$ -
PJM INTERCONNECTION ASSOCIATION	PJM	100,000	\$ 1,307.38	100,000	\$ 13.07	\$ -
TENNESSEE VALLEY AUTHORITY	TVA	3,046,000	\$ 39,505.43	3,046,000	\$ 12.97	\$ -
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	29,000	\$ 349.23	29,000	\$ 12.04	\$ -
DUKE ENERGY FLORIDA, LLC	DUKEFLORIDA	1,112,000	\$ 13,440.66	1,112,000	\$ 12.09	\$ -
THE ENERGY AUTHORITY-SEEM	TEAM	15,000	\$ 181.87	15,000	\$ 12.12	\$ -
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	1,576,000	\$ 19,914.93	1,576,000	\$ 12.64	\$ -
LQF TARIFF PURCHASE POWER	LQF TARIFF	36,680	\$ 873.80	36,680	\$ 23.82	\$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 830.06	-	\$ -	\$ -
NMS-2	NMS-2	371,537	\$ 27,407.09	371,537	\$ 73.77	\$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	5,280	\$ 125.82	5,280	\$ 23.83	\$ -
KENTUCKY UTILITIES COMPANY	KU	607,000	\$ 1,874.53	83,000	\$ 22.58	\$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	49,146,000	\$ 1,784,403.31	49,146,000	\$ 36.31	\$ -
Total Purchases		56,430,497	\$ 1,895,159.05	55,745,497	\$ 34.00	\$ -

* 34,845 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales						
ETC ENDURE ENERGY LLC	ETC	98,000				
INDIANA MUNICIPAL POWER AGENCY	IMPA	17,000				
ENERGY IMBALANCE	IMBL	424,000				
MACQUARIE ENERGY, LLC	MACQUARIE	197,000				
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	2,282,000				
PJM INTERCONNECTION ASSOCIATION	PJM	3,688,000				
RAINBOW ENERGY MARKETING CORP	REMC	1,279,000				
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	16,000				
THE ENERGY AUTHORITY-SEEM	TEAM	176,000				
KENTUCKY UTILITIES COMPANY	KU	211,766,000				
Total Sales		219,943,000	\$ -	-	\$ -	\$ -



Detailed Power Transaction Schedule
Month Ended February 29, 2024

Company	KWH	OSS Purchases			Adj. From Prior Month (\$)	Total Energy * Charges (\$)	Demand(\$)	Other Charges(\$)	Total Charges(\$)
		Energy Cost (\$)	KWH	\$/MWH					
Purchases									
ENERGY IMBALANCE	IMBL 386,000	\$ 4,046.00	161,000	\$ 25.13	\$ -	\$ 8,990.94	\$ -	\$ -	\$ 8,990.94
PJM INTERCONNECTION ASSOCIATION	PJM 100,000	\$ (0.01)	-	\$ -	\$ -	\$ 1,307.37	\$ -	\$ -	\$ 1,307.37
TENNESSEE VALLEY AUTHORITY	TVA 3,046,000	\$ -	-	\$ -	\$ -	\$ 39,505.43	\$ -	\$ -	\$ 39,505.43
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP 29,000	\$ -	-	\$ -	\$ -	\$ 349.23	\$ -	\$ -	\$ 349.23
DUKE ENERGY FLORIDA, LLC	DUKEFLORIDA 1,112,000	\$ 0.01	-	\$ -	\$ -	\$ 13,440.67	\$ -	\$ -	\$ 13,440.67
THE ENERGY AUTHORITY-SEEM	TEAM 15,000	\$ -	-	\$ -	\$ -	\$ 181.87	\$ -	\$ -	\$ 181.87
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM 1,576,000	\$ -	-	\$ -	\$ -	\$ 19,914.93	\$ -	\$ -	\$ 19,914.93
LQF TARIFF PURCHASE POWER	LQF TARIFF 36,680	\$ -	-	\$ -	\$ -	\$ 873.80	\$ -	\$ -	\$ 873.80
SOLAR SHARE PROGRAM	SSP -	\$ -	-	\$ -	\$ -	\$ 830.06	\$ -	\$ -	\$ 830.06
NMS-2	NMS-2 371,537	\$ -	-	\$ -	\$ -	\$ 27,407.09	\$ -	\$ -	\$ 27,407.09
SQF TARIFF PURCHASE POWER	SQF TARIFF 5,280	\$ -	-	\$ -	\$ -	\$ 125.82	\$ -	\$ -	\$ 125.82
KENTUCKY UTILITIES COMPANY	KU 607,000	\$ 12,726.74	524,000	\$ 24.29	\$ -	\$ 14,601.27	\$ -	\$ 738.51	\$ 15,339.78
OHIO VALLEY ELECTRIC CORPORATION	OVEC 49,146,000	\$ -	-	\$ -	\$ (43,063.45)	\$ 1,741,339.86	\$ 1,772,548.79	\$ -	\$ 3,513,888.65
Total Purchases	56,430,497	\$ 16,772.74	685,000	\$ 24.49	\$ (43,063.45)	\$ 1,868,868.34	\$ 1,772,548.79	\$ 738.51	\$ 3,642,155.64

* 34,845 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales									
ETC ENDURE ENERGY LLC	ETC 98,000	\$ 153.67	8,000	\$ 19.21	\$ -	\$ 1,806.24	\$ -	\$ 2,122.78	\$ 3,929.02
INDIANA MUNICIPAL POWER AGENCY	IMPA 17,000	\$ 20.02	1,000	\$ 20.02	\$ -	\$ 235.29	\$ -	\$ 276.52	\$ 511.81
ENERGY IMBALANCE	IMBL 424,000	\$ 450.00	36,000	\$ 12.50	\$ -	\$ 5,289.21	\$ -	\$ 6,004.47	\$ 11,293.68
MACQUARIE ENERGY, LLC	MACQUARIE 197,000	\$ 308.26	17,000	\$ 18.13	\$ -	\$ 3,623.22	\$ -	\$ 4,258.17	\$ 7,881.39
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO 2,282,000	\$ 5,663.80	191,000	\$ 29.65	\$ -	\$ 66,571.74	\$ -	\$ 78,238.18	\$ 144,809.92
PJM INTERCONNECTION ASSOCIATION	PJM 3,688,000	\$ 7,611.95	309,000	\$ 24.63	\$ -	\$ 89,470.20	\$ -	\$ 105,149.53	\$ 194,619.73
RAINBOW ENERGY MARKETING CORP	REMC 1,279,000	\$ 2,183.12	107,000	\$ 20.40	\$ -	\$ 25,660.21	\$ -	\$ 30,157.08	\$ 55,817.29
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC 16,000	\$ 21.54	1,000	\$ 21.54	\$ -	\$ 253.18	\$ -	\$ 297.54	\$ 550.72
THE ENERGY AUTHORITY-SEEM	TEAM 176,000	\$ 360.38	15,000	\$ 24.03	\$ -	\$ 4,235.88	\$ -	\$ 4,978.21	\$ 9,214.09
KENTUCKY UTILITIES COMPANY	KU 211,766,000	\$ -	-	\$ -	\$ -	\$ 4,883,116.17	\$ -	\$ 78.19	\$ 4,883,194.36
Total Sales	219,943,000	\$ 16,772.74	685,000	\$ 24.49	\$ -	\$ 5,080,261.34	\$ -	\$ 231,560.67	\$ 5,311,822.01

	KWH	\$/MWH
GENERATION FOR OSS	7,492,000	\$ 180,372.43
GENERATION FOR INTERNAL ECONOMY TO KU	211,683,000	\$ 4,880,678.67
GENERATION FOR INTERNAL REPLACEMENT TO KU	83,000	\$ 1,852.07
SPLIT SAVINGS		\$ 585.43
SALES FROM INTERNAL GENERATION	219,258,000	\$ 5,063,488.60
SALES FROM OSS PURCHASES	685,000	\$ 16,772.74
	219,943,000	\$ 5,080,261.34
ADJUSTMENTS FROM PRIOR MONTHS	-	\$ -
	219,943,000	\$ 5,080,261.34

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Feb - 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																		
ACNR Coal Sales Inc	P	J21002	R	U	WKY	63,324.59	11,784	23.567	44.13	187.27	7.17	30.41	51.30	217.68	2.92	10.17	9.49	
ACNR Coal Sales Inc	P	J23001	B	U	WV	3,627.30	12,609	25.219	36.78	145.83	8.53	33.82	45.31	179.65	2.26	9.63	6.84	
ACNR Coal Sales Inc	P	J24006	B	U	WV	10,016.40	12,805	25.609	51.30	200.33	8.53	33.31	59.83	233.64	2.17	8.02	7.21	
Alliance Coal LLC	P	J21004	B	U	WKY	3,193.53	11,486	22.973	42.22	183.80	4.85	21.12	47.07	204.92	3.05	9.47	11.46	
Alliance Coal LLC	P	J21010	B	U	WKY	8,640.42	11,424	22.847	41.39	181.17	5.09	22.27	46.48	203.44	2.98	9.40	11.90	
Alliance Coal LLC	P	J23004	B	U	WKY	13,799.04	11,467	22.935	52.08	227.06	5.05	22.03	57.13	249.09	3.10	9.48	11.65	
Alliance Coal LLC	P	J24003	R	U	WKY	157,744.50	11,540	23.080	54.19	234.78	7.31	31.70	61.50	266.48	3.21	13.82	8.23	
Foresight Coal Sales LLC	P	J21011	B	U	IL	30,629.48	11,693	23.385	34.00	145.38	5.22	22.32	39.22	167.70	2.78	8.82	10.90	
Knight Hawk Coal LLC	P	J21022	B	U	IL	20,681.70	11,098	22.195	37.25	167.85	10.22	46.04	47.47	213.89	2.90	8.61	13.70	
Knight Hawk Coal LLC	P	J23002	B	U	IL	16,596.08	11,117	22.233	45.67	205.43	10.10	45.41	55.77	250.84	2.97	8.90	13.22	
Peabody COALSALES LLC	P	J23003	B	U	IL	3,460.00	10,811	21.621	80.42	371.94	9.15	42.32	89.57	414.26	2.78	8.10	15.62	
Total Long Term						331,713.04	11,588	23.175	48.38	208.77	7.31	31.53	55.69	240.30	3.02	11.47	9.61	
Total Mill Creek						331,713.04	11,588	23.175	48.38	208.77	7.31	31.53	55.69	240.30	3.02	11.47	9.61	

(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
Feb - 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				
									\$ 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	J21004	B	U	WKY	68,958.68	11,447	22.894	42.19	184.29	5.99	26.17	48.18	210.46	3.03	9.51	11.72
Alliance Coal LLC	P	J21010	B	U	WKY	82,849.92	11,462	22.924	41.39	180.57	5.99	26.12	47.38	206.69	3.07	9.38	11.64
Alliance Coal LLC	P	J23004	B	U	WKY	3,381.14	11,437	22.874	52.00	227.34	5.99	26.18	57.99	253.52	2.91	9.34	11.99
Alliance Coal LLC	P	J24007	B	U	WKY	11,694.31	11,446	22.892	46.96	205.13	5.99	26.16	52.95	231.29	3.04	9.38	11.82
Foresight Coal Sales LLC	P	J21011	B	U	IL	69,133.37	11,681	23.361	34.03	145.68	5.99	25.64	40.02	171.32	2.80	8.82	10.93
Knight Hawk Coal LLC	P	J21022	B	U	IL	7,142.11	11,114	22.227	37.33	167.94	10.99	49.44	48.32	217.38	2.94	9.04	13.02
Knight Hawk Coal LLC	P	J23002	B	U	IL	8,126.55	10,977	21.954	45.13	205.56	10.99	50.06	56.12	255.62	2.91	8.79	14.32
Peabody COALSALES LLC	P	J23003	B	U	IL	22,759.80	10,826	21.652	80.42	371.41	9.92	45.81	90.34	417.22	2.78	8.12	15.51
Total Long Term						274,045.88	11,436	22.872	43.35	189.54	6.60	28.83	49.95	218.37	2.96	9.14	11.93
Total Trimble County						274,045.88	11,436	22.872	43.35	189.54	6.60	28.83	49.95	218.37	2.96	9.14	11.93
Total Louisville Gas & Electric						605,758.92	11,519	23.038	46.11	200.13	6.98	30.32	53.09	230.45	2.99	10.42	10.66

(b) Designated by symbol
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(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: February 29, 2024

<u>Fuel & Supplier</u>	<u>P</u> B D <u>U</u> (a)	<u>P</u> O C <u>N</u> (c)	<u>M</u> <u>T</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	687,907 (1)	1.065	2,321,379.46 (1)	316.86	-
LG&E	U	-	P	Mill Creek	14,992	1.065	225,624.20	1,413.11	-
LG&E	U	-	P	Paddy's Run	2,474 (1)	1.065	283,032.12 (1)	10,741.26	-
Kentucky Utilities	U	-	P	EW Brown CTs	2,569 (2)	1.025	34,265.32 (2)	1,301.38	-
LG&E	U	-	P	Trimble County	96,200 (1)	1.065	1,351,466.53 (1)	1,319.11	-
Total Natural Gas					<u>804,142</u>	<u>1.065</u>	<u>4,215,767.63</u>	<u>492.32</u>	

(b) Designated by Symbol
P = Producer
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Contract Number

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Designated by Symbol
R = Rail
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(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: February 29, 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)	234	206	244	370	
	c. Net Demonstrated Capability (MW)	300	297	394	486	
	d. Net Capability Factor (1b/1c) (%)	78%	69%	62%	76%	
2.	Heat Rate:					
	a. BTU Consumed (MMBTU)	1,622,439	1,489,081	1,678,780	2,181,102	
	b. Gross Generation (MWH)	173,028	161,188	185,566	244,563	
	c. Net Generation (MWH)	154,524	143,289	169,717	224,672	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,500	10,392	9,892	9,708	
3.	Operation Availability:					
	a. Hours Unit Operated	661	695	696	608	
	b. Hours Available	676	695	696	619	
	c. Hours During the Period	696	696	696	696	
	d. Availability Factor (3b/3c) (%)	97%	100%	100%	89%	
4.	Cost per KWH:					
	a. Gross Generation - FAC Basis (cents/KWH)	2.251	2.219	2.184	2.165	
	b. Net Generation - FAC Basis (cents/KWH)	2.521	2.496	2.388	2.357	
5.	Inventory Analysis:					
	a. Number of Days Supply based on actual burn at the station (1)					

66

(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: February 29, 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)	410	552	
	c. Net Demonstrated Capability (MW)	493	760	
	d. Net Capability Factor (1b/1c) (%)	83%	73%	
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	2,516,371	3,537,146	
	b. Gross Generation (MWH)	261,903	415,085	
	c. Net Generation (MWH)	239,125	384,527	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,523	9,199	
3.	Operation Availability:			
	a. Hours Unit Operated	584	696	
	b. Hours Available	584	696	
	c. Hours During the Period	696	696	
	d. Availability Factor (3b/3c) (%)	84%	100%	
4.	Cost per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	2.210	2.051	
	b. Net Generation - FAC Basis (cents/KWH)	2.421	2.214	
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)			67

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: February 29, 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)	-	94	-	-	-	-	151	149
	c. Net Demonstrated Capability (MW)	28	175	179	179	179	179	179	179
	d. Net Capability Factor (1b/1c) (%)	-	54%	-	-	-	-	85%	83%
2.	Heat Rate:								
	a. BTU Consumed (MMBTU)	-	4,971	-	-	-	-	8,648	8,039
	b. Gross Generation (MWH)	-	467	-	-	-	-	1,276	1,191
	c. Net Generation (MWH)	(25) (1)	302	(121) (1)	(121) (1)	(124) (1)	(124) (1)	1,121	1,046
	d. Heat Rate (2a/2c) (BTU/KWH)	-	16,460	-	-	-	-	7,715	7,685
3.	Operation Availability								
	a. Hours Unit Operated	-	3	696	696	696	696	7	7
	b. Hours Available	695	691	696	696	696	696	696	696
	c. Hours During the Period	696	696	696	696	696	696	696	696
	d. Availability Factor (3b/3c) (%)	100%	99%	100%	100%	100%	100%	100%	100%
4.	Cost per KWH:								
	a. Gross Generation - FAC Basis (cents/KWH)	-	77.138	-	-	-	-	46.039	49.077
	b. Net Generation - FAC Basis (cents/KWH)	-	119.363	-	-	-	-	52.405	55.880
5.	Inventory Analysis:								
	a. Number of Days Supply based or 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% bas

(1) Negative net generation due to station usage.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Cane Run NGCC

Month Ended: February 29, 2024

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)	673
	c. Net Demonstrated Capability (MW)	683
	d. Net Capability Factor (1b/1c) (%)	98%
2.	Heat Rate:	
	a. BTU Consumed (MMBTU)	2,425,985
	b. Gross Generation (MWH)	372,560
	c. Net Generation (MWH)	363,976
	d. Heat Rate (2a/2c) (BTU/KWH)	6,665
3.	Operation Availability:	
	a. Hours Unit Operated	541
	b. Hours Available	541
	c. Hours During the Period	696
	d. Availability Factor (3b/3c) (%)	78%
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (cents/KWH)	2.279
	b. Net Generation - FAC Basis (cents/KWH)	2.333
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 (February 2024)

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	219.00	38.75	0.00	0.00	0.00	0.00	38.75	N/A	N/A	
HAEFLING	17,765	517.00	91.85	0.00	0.00	0.00	0.00	91.85	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?
1						\$0.00		Yes
2						\$0.00		Yes
3						\$0.00		Yes
4						\$0.00		Yes
5						\$0.00		Yes
					LG&E Total	\$ -	\$ -	\$ -

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

	Purchase From	Cost \$	MWh Purch	Cost \$/MWh	to FO Calculation \$/MWh	FO Calculation? \$	Exclusion For FAC	HAEFLING Available?
1						\$0.00		Yes
2						\$0.00		Yes
3						\$0.00		Yes
4						\$0.00		Yes
					KU Total	\$ -	\$ -	\$ -

OFF-SYSTEM SALES - ELECTRIC

Electric Off-System Sales	LG&E	KU (Consolidated)
	MTD Current Year February-24	MTD Current Year February-24
Revenue		
External Sales ¹	\$ 428,628	\$ 6,282
Internal Sales	\$ 1,930	\$ 13,465
Total	<u>\$ 430,558</u>	<u>\$ 19,747</u>
External Expenses		
Fuel	\$ (180,372)	\$ (1,170)
Purchase Power	\$ (4,545)	\$ (67)
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (7,441)	\$ (3)
Transmission	\$ (1,574)	\$ (116)
RTO Costs	\$ (6,899)	\$ (506)
Inter-System Losses	\$ (986)	\$ (15)
Internal Expenses		
Fuel	\$ (1,852)	\$ (12,727)
Purchase Power	\$ (13,465)	\$ (1,930)
Other Consumables	\$ (78)	\$ (737)
Transmission	\$ (53,648)	\$ (890)
Total	<u>\$ (270,861)</u>	<u>\$ (18,162)</u>
Electric Off-System Sales Margin	<u>\$ 159,697</u>	<u>\$ 1,585</u>
OSS Margin - Jurisdictional	\$ 119,773	\$ 1,113
OSS Margin - Non-Jurisdictional	\$ -	\$ 76
OSS Margin - Utility Share	<u>\$ 39,924</u>	<u>\$ 396</u>

Note 1: LG&E sold 192 MWh totaling \$9,765 through SEEM. KU sold 3 MWh totaling \$149 through SEEM.

SEEM Formation and Participation Costs

Expense Month: February 2024

<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>\$ 712</u>	<u>\$ 1,025</u>
Total Costs	\$ 712	\$ 1,025