

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

JUN 14 2024

PUBLIC SERVICE
COMMISSION

June 14, 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 April 2024.

Sincerely,


Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: April 30, 2024

Fuel: Coal

Mill Creek High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	3/31/2024	\$ 38,067,886.83	15,512,586.22	\$ 2.4540	673,927.54	\$ 56.4866
Add: Purchases		\$ 13,680,475.21	5,466,546.46	\$ 2.5026	235,531.50	\$ 58.0834
Adjustments		\$ -	-	\$ -	-	\$ -
Sub-Total		\$ 51,748,362.04	20,979,132.68	\$ 2.4667	909,459.04	\$ 56.9002
Less: Fuel Burned		\$ 8,924,772.26	3,628,149.31	\$ 2.4599	157,355.00	\$ 56.7174
Ending Inventory	4/30/2024	\$ 42,823,589.78	17,350,983.37	\$ 2.4681	752,104.04	\$ 56.9384

Trimble County High Sulfur

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	3/31/2024	\$ 11,811,421.62	5,239,572.37	\$ 2.2543	228,900.42	\$ 51.6007
Add: Purchases		\$ 8,182,125.60	3,902,780.87	\$ 2.0965	170,219.05	\$ 48.0682
Adjustments		\$ (3,256,943.08) (2)	(1,571,253.01) (2)	\$ 2.0728	(68,510.29) (2)	\$ 47.5395
Sub-Total		\$ 16,736,604.14	7,571,100.23	\$ 2.2106	330,609.18	\$ 50.6235
Less: Fuel Burned-Jurisdictional		\$ 6,257,896.06	2,817,158.43	\$ 2.2214	123,025.75	\$ 50.8666
Fuel Burned-Non-Jurisdictional		\$ 2,172,598.99	978,067.74	\$ 2.2213	42,712.37	\$ 50.8658
Total Burn		\$ 8,430,495.05	3,795,226.17	\$ 2.2213	165,738.12	\$ 50.8664
Ending Inventory	4/30/2024	\$ 8,306,109.09	3,775,874.06	\$ 2.1998	164,871.06	\$ 50.3794

Trimble County PRB

		Amount	MMBTU	Per Unit	Tons	Per Unit
Beginning Inventory	3/31/2024	\$ 1,735,707.23	645,425.55	\$ 2.6892	36,347.01	\$ 47.7538
Add: Purchases		\$ -	-	\$ -	-	\$ -
Adjustments		\$ 441,599.79 (3)	164,943.71 (3)	\$ 2.6773	9,200.14 (3)	\$ 47.9992
Sub-Total		\$ 2,177,307.02	810,369.26	\$ 2.6868	45,547.15	\$ 47.8034
Less: Fuel Burned-Jurisdictional		\$ 259,022.75	96,518.99	\$ 2.6836	5,426.71	\$ 47.7311
Fuel Burned-Non-Jurisdictional		\$ 89,935.76	33,513.20	\$ 2.6836	1,884.25	\$ 47.7303
Total Burn		\$ 348,958.51	130,032.19	\$ 2.6836	7,310.96	\$ 47.7309
Ending Inventory	4/30/2024	\$ 1,828,348.51	680,337.07	\$ 2.6874	38,236.19	\$ 47.8172

Coal In Transit

		Amount	MMBTU	Per Unit	Tons	Per Unit
Coal In Transit	4/30/2024	\$ 5,715,309.09 (1)	2,599,294.92 (1)	\$ 2.1988	113,369.26 (1)	\$ 50.4132
Total Combined Inventory	4/30/2024	\$ 58,673,356.47	24,406,489.42	\$ 2.4040	1,068,580.56	\$ 54.9078

(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: April 30, 2024

Fuel: Natural Gas

Paddy's Run

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	3/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 354,561.06	174,061	\$ 2.0370
Paddy's Run Fixed Gas Demand Charge		\$ 241,159.35	-	\$ -
Total Purchases		<u>\$ 595,720.41</u>	<u>174,061</u>	<u>\$ 3.4225</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 595,720.41	174,061	\$ 3.4225
Less: Fuel Burned LG&E Share		\$ 339,039.33	92,253	\$ 3.6751
Paddy's Run Purchases Allocated to KU		\$ 166,642.33	81,808	\$ 2.0370
Paddy's Run Fixed Gas Demand Charge Allocated to KU		\$ 90,038.75	-	\$ -
Total Burn		<u>\$ 595,720.41</u>	<u>174,061</u>	<u>\$ 3.4225</u>
Ending Inventory	4/30/2024	\$ -	-	\$ -

Mill Creek

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	3/31/2024	\$ -	-	\$ -
Add: Purchases		\$ 245,638.79	21,746	\$ 11.2958
Total Purchases		<u>\$ 245,638.79</u>	<u>21,746</u>	<u>\$ 11.2958</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 245,638.79	21,746	\$ 11.2958
Less: Fuel Burned		\$ 245,638.79	21,746	\$ 11.2958
Total Burn		<u>\$ 245,638.79</u>	<u>21,746</u>	<u>\$ 11.2958</u>
Ending Inventory	4/30/2024	\$ -	-	\$ -

Cane Run Z

		<u>Amount</u>	<u>Units (MCF)</u>	<u>Per Unit</u>
Beginning Inventory	3/31/2024	\$ 621,732.59	161,542	\$ 3.8487
Add: Purchases		\$ 26,731.86	17,435	\$ 1.5332
Fixed Gas Demand Charge		\$ 813,354.09	-	\$ -
Total Purchases		<u>\$ 840,085.95</u>	<u>17,435</u>	<u>\$ 48.1839</u>
Adjustments		<u>\$ 77,373.95 (1)</u>	<u>1,198 (2)</u>	<u>\$ 64.5859</u>
Sub-Total		\$ 1,539,192.49	180,175	\$ 8.5428
Less: Fuel Burned LG&E Share		\$ 212,926.35	8,437	\$ 25.2372
Current Month Purchases Allocated to KU		\$ -	-	\$ -
Fuel Inventory Allocated to KU		\$ 120,496.46	29,911	\$ 4.0285
Fixed Gas Demand Charge Allocated to KU		\$ 634,416.19	-	\$ -
Total Burn		<u>\$ 967,839.00</u>	<u>38,348</u>	<u>\$ 25.2383</u>
Ending Inventory	4/30/2024	\$ 571,353.49	141,827	\$ 4.0285

Trimble County Start-up and Stabilization

		Amount	Units (MCF)	Per Unit
Beginning Inventory	3/31/2024	\$ (0.01)	-	\$ -
Add: Purchases		\$ 26,454.92	16,582	\$ 1.5954
Fixed Gas Demand Charge		\$ 161,144.34	-	\$ -
Total Purchases		<u>\$ 187,599.26</u>	<u>16,582</u>	<u>\$ 11.3134</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		\$ 187,599.25	16,582	\$ 11.3134
Less: Fuel Burned LG&E Share-Jurisdictional		\$ 71,325.78	7,036	\$ 10.1373
Fuel Burned Non-Jurisdictional		\$ 24,733.27 (3)	2,440 (3)	\$ 10.1366
Purchases Allocated to KU		\$ 11,336.91	7,106	\$ 1.5954
Fixed Gas Demand Charge Allocated to KU		<u>\$ 80,203.29</u>	<u>-</u>	<u>\$ -</u>
Total Burn		<u>\$ 187,599.25</u>	<u>16,582</u>	<u>\$ 11.3134</u>
Ending Inventory	4/30/2024	\$ -	-	\$ -

Trimble County CTs

		Amount	Units (MCF)	Per Unit
Beginning Inventory	3/31/2024	\$ 463,687.20	247,750	\$ 1.8716
Add: Purchases		\$ 4,769,841.41	3,077,335	\$ 1.5500
Fixed Gas Demand Charge		<u>\$ 1,484,505.66</u>	<u>-</u>	<u>\$ -</u>
Total Purchases		<u>\$ 6,254,347.07</u>	<u>3,077,335</u>	<u>\$ 2.0324</u>
Adjustments		<u>\$ 16,387.96 (1)</u>	<u>(34,514) (2)</u>	<u>\$ (0.4748)</u>
Sub-Total		\$ 6,734,422.23	3,290,571	\$ 2.0466
Less: Fuel Burned LG&E Share		\$ 2,225,622.33	1,075,556	\$ 2.0693
Trimble County Start-up and Stabilization LG&E Share		\$ 15,118.01	9,476	\$ 1.5954
Current Month Fuel Purchases Allocated to KU		\$ 3,002,351.01	1,910,120	\$ 1.5718
Fuel Inventory Allocated to KU		\$ 305,302.46	163,124	\$ 1.8716
Fixed Gas Demand Charge Allocated to KU		\$ 974,825.36	-	\$ -
Trimble County Start-up and Stabilization KU Share		<u>\$ 11,336.91</u>	<u>7,106</u>	<u>\$ 1.5954</u>
Total Burn		<u>\$ 6,534,556.08</u>	<u>3,165,382</u>	<u>\$ 2.0644</u>
Ending Inventory	4/30/2024	\$ 199,866.15	125,189	\$ 1.5965

Brown CTs

		Amount	Units (MCF)	Per Unit
Beginning Inventory	3/31/2024	\$ -	-	\$ -
Add: Current Month Purchases Allocated from KU		\$ 258,468.94	138,647	\$ 1.8642
Fuel Inventory allocated from KU		<u>\$ 278,020.05</u>	<u>19,572</u>	<u>\$ 14.2050</u>
Total Purchases		<u>\$ 536,488.99</u>	<u>158,219</u>	<u>\$ 3.3908</u>
Adjustments		<u>\$ -</u>	<u>-</u>	<u>\$ -</u>
Sub-Total		<u>\$ 536,488.99</u>	<u>158,219</u>	<u>\$ 3.3908</u>
Less: Fuel Burned		<u>\$ 536,488.99</u>	<u>158,219</u>	<u>\$ 3.3908</u>
Ending Inventory	4/30/2024	\$ -	-	\$ -
Total Combined Inventory	4/30/2024	<u><u>\$ 771,219.64</u></u>	<u><u>267,016</u></u>	<u>\$ 2.8883</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 April 30, 2024

Company	Type of Transaction	KWH	Billing Components				
			Demand(\$)	Fuel Charges(\$)	Other Charges(\$)	Total Charges(\$)	
Purchases							
ENERGY IMBALANCE	IMBL	Economy	442,000	\$ -	\$ 11,325.38	\$ -	\$ 11,325.38
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	450,000	\$ -	\$ 5,266.41	\$ -	\$ 5,266.41
TENNESSEE VALLEY AUTHORITY	TVA	Economy	300,000	\$ -	\$ 4,500.00	\$ -	\$ 4,500.00
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	Economy	103,000	\$ -	\$ 1,395.35	\$ -	\$ 1,395.35
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	Economy	17,000	\$ -	\$ 236.27	\$ -	\$ 236.27
DUKE ENERGY FLORIDA, LLC	DUKEFLORIDA	Economy	1,224,000	\$ -	\$ 14,933.93	\$ -	\$ 14,933.93
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	Economy	52,000	\$ -	\$ 694.52	\$ -	\$ 694.52
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	Economy	539,000	\$ -	\$ 7,238.17	\$ -	\$ 7,238.17
THE ENERGY AUTHORITY-SEEM	TEAM	Economy	126,000	\$ -	\$ 1,526.63	\$ -	\$ 1,526.63
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	Economy	352,000	\$ -	\$ 4,451.74	\$ -	\$ 4,451.74
LQF TARIFF PURCHASE POWER	LQF TARIFF	LQF TARIFF	90,400	\$ -	\$ 2,151.23	\$ -	\$ 2,151.23
SOLAR SHARE PROGRAM	SSP	SSP	-	\$ -	\$ 1,569.71	\$ -	\$ 1,569.71
NMS-2	NMS-2	NMS-2	906,910	\$ -	\$ 55,771.42	\$ -	\$ 55,771.42
SQF TARIFF PURCHASE POWER	SQF TARIFF	SQF Tariff	11,360	\$ -	\$ 270.71	\$ -	\$ 270.71
KENTUCKY UTILITIES COMPANY	KU	Economy	90,349,000	\$ -	\$ 2,079,130.67	\$ 774.59	\$ 2,079,905.26
OHIO VALLEY ELECTRIC CORPORATION	OVEC	Economy	27,738,000	\$ 1,830,235.96	\$ 1,079,449.51	\$ -	\$ 2,909,685.47
Total Purchases			122,700,670	\$ 1,830,235.96	\$ 3,269,911.65	\$ 774.59	\$ 5,100,922.20
Sales							
ENERGY IMBALANCE	IMBL	Economy	235,000		\$ 4,105.76	\$ 2,484.83	\$ 6,590.59
MACQUARIE ENERGY, LLC	MACQUARIE	Economy	125,000		\$ 3,284.73	\$ 2,024.67	\$ 5,309.40
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	Economy	586,000		\$ 15,975.04	\$ 9,846.83	\$ 25,821.87
PJM INTERCONNECTION ASSOCIATION	PJM	Economy	444,000		\$ 10,267.60	\$ (11,660.95)	\$ (1,393.35)
RAINBOW ENERGY MARKETING CORP	REMC	Economy	802,000		\$ 20,990.54	\$ 12,938.33	\$ 33,928.87
TENNESSEE VALLEY AUTHORITY	TVA	Economy	309,000		\$ 8,787.16	\$ 5,416.31	\$ 14,203.47
THE ENERGY AUTHORITY-SEEM	TEAM	Economy	18,000		\$ 417.11	\$ 257.10	\$ 674.21
KENTUCKY UTILITIES COMPANY	KU	Economy	49,907,000		\$ 1,234,953.14	\$ 3,033.76	\$ 1,237,986.90
Total Sales			52,426,000	\$ -	\$ 1,298,781.08	\$ 24,340.88	\$ 1,323,121.96



**Detailed Power Transaction Schedule
Month Ended April 30, 2024**

<u>Company</u>		<u>KWH</u>	<u>Native Load</u>			<u>Forced Outages</u>		
			<u>Energy Cost (\$)</u>	<u>KWH</u>	<u>\$/MWH</u>	<u>Energy Cost (\$)</u>	<u>KWH</u>	<u>\$/MWH</u>
Purchases								
ENERGY IMBALANCE	IMBL	442,000	\$ 8,916.63	349,000	\$ 25.55	\$ 1,017.44	41,000	\$ 24.82
PJM INTERCONNECTION ASSOCIATION	PJM	450,000	\$ 5,266.43	450,000	\$ 11.70	\$ -	-	\$ -
TENNESSEE VALLEY AUTHORITY	TVA	300,000	\$ 4,500.00	300,000	\$ 15.00	\$ -	-	\$ -
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	103,000	\$ 1,395.35	103,000	\$ 13.55	\$ -	-	\$ -
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	17,000	\$ 236.27	17,000	\$ 13.90	\$ -	-	\$ -
DUKE ENERGY FLORIDA, LLC	DUKEFLORIDA	1,224,000	\$ 12,427.64	1,021,000	\$ 12.17	\$ 2,506.30	203,000	\$ 12.35
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	52,000	\$ 694.52	52,000	\$ 13.36	\$ -	-	\$ -
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	539,000	\$ 7,238.16	539,000	\$ 13.43	\$ -	-	\$ -
THE ENERGY AUTHORITY-SEEM	TEAM	126,000	\$ 1,461.53	121,000	\$ 12.08	\$ 65.10	5,000	\$ 13.02
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	352,000	\$ 4,334.83	343,000	\$ 12.64	\$ 116.91	9,000	\$ 12.99
LQF TARIFF PURCHASE POWER	LQF TARIFF	90,400	\$ 2,151.23	90,400	\$ 23.80	\$ -	-	\$ -
SOLAR SHARE PROGRAM	SSP	-	\$ 1,569.71	-	\$ -	\$ -	-	\$ -
NMS-2	NMS-2	906,910	\$ 55,771.42	906,910	\$ 61.50	\$ -	-	\$ -
SQF TARIFF PURCHASE POWER	SQF TARIFF	11,360	\$ 270.71	11,360	\$ 23.83	\$ -	-	\$ -
KENTUCKY UTILITIES COMPANY	KU	90,349,000	\$ 2,064,108.57	89,757,000	\$ 23.00	\$ -	-	\$ -
OHIO VALLEY ELECTRIC CORPORATION	OVEC	27,738,000	\$ 1,062,968.02	27,738,000	\$ 38.32	\$ -	-	\$ -
Total Purchases		122,700,670	\$ 3,233,311.02	121,798,670	\$ 26.55	\$ 3,705.75	258,000	\$ 14.36

* 65,871 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales								
ENERGY IMBALANCE	IMBL	235,000						
MACQUARIE ENERGY, LLC	MACQUARIE	125,000						
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	586,000						
PJM INTERCONNECTION ASSOCIATION	PJM	444,000						
RAINBOW ENERGY MARKETING CORP	REMC	802,000						
TENNESSEE VALLEY AUTHORITY	TVA	309,000						
THE ENERGY AUTHORITY-SEEM	TEAM	18,000						
KENTUCKY UTILITIES COMPANY	KU	49,907,000						
Total Sales		52,426,000	\$ -	-	\$ -	\$ -	-	\$ -



Detailed Power Transaction Schedule
Month Ended April 30, 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	442,000	\$ 1,391.31	52,000	\$ 26.76	\$ -	\$ 11,325.38	\$ -	\$ -	\$ 11,325.38
PJM INTERCONNECTION ASSOCIATION	PJM	450,000	\$ (0.02)	-	\$ -	\$ -	\$ 5,266.41	\$ -	\$ -	\$ 5,266.41
TENNESSEE VALLEY AUTHORITY	TVA	300,000	\$ -	-	\$ -	\$ -	\$ 4,500.00	\$ -	\$ -	\$ 4,500.00
DUKE ENERGY CAROLINAS, LLC-SEEM	DUKEBP	103,000	\$ -	-	\$ -	\$ -	\$ 1,395.35	\$ -	\$ -	\$ 1,395.35
DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM	DESC	17,000	\$ -	-	\$ -	\$ -	\$ 236.27	\$ -	\$ -	\$ 236.27
DUKE ENERGY FLORIDA, LLC	DUKEFLORIDA	1,224,000	\$ (0.01)	-	\$ -	\$ -	\$ 14,933.93	\$ -	\$ -	\$ 14,933.93
NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM	NCEMC	52,000	\$ -	-	\$ -	\$ -	\$ 694.52	\$ -	\$ -	\$ 694.52
SOUTHERN COMPANY SERVICES, INC-SEEM	SWE	539,000	\$ 0.01	-	\$ -	\$ -	\$ 7,238.17	\$ -	\$ -	\$ 7,238.17
THE ENERGY AUTHORITY-SEEM	TEAM	126,000	\$ -	-	\$ -	\$ -	\$ 1,526.63	\$ -	\$ -	\$ 1,526.63
TENNESSEE VALLEY AUTHORITY-SEEM	TVAM	352,000	\$ -	-	\$ -	\$ -	\$ 4,451.74	\$ -	\$ -	\$ 4,451.74
LQF TARIFF PURCHASE POWER	LQF TARIFF	90,400	\$ -	-	\$ -	\$ -	\$ 2,151.23	\$ -	\$ -	\$ 2,151.23
SOLAR SHARE PROGRAM	SSP	-	\$ -	-	\$ -	\$ -	\$ 1,569.71	\$ -	\$ -	\$ 1,569.71
NMS-2	NMS-2	906,910	\$ -	-	\$ -	\$ -	\$ 55,771.42	\$ -	\$ -	\$ 55,771.42
SQF TARIFF PURCHASE POWER	SQF TARIFF	11,360	\$ -	-	\$ -	\$ -	\$ 270.71	\$ -	\$ -	\$ 270.71
KENTUCKY UTILITIES COMPANY	KU	90,349,000	\$ 15,022.10	592,000	\$ 25.38	\$ -	\$ 2,079,130.67	\$ -	\$ 774.59	\$ 2,079,905.26
OHIO VALLEY ELECTRIC CORPORATION	OVEC	27,738,000	\$ -	-	\$ -	\$ 16,481.49	\$ 1,079,449.51	\$ 1,830,235.96	\$ -	\$ 2,909,685.47
Total Purchases		122,700,670	\$ 16,413.39	644,000	\$ 25.49	\$ 16,481.49	\$ 3,269,911.65	\$ 1,830,235.96	\$ 774.59	\$ 5,100,922.20

* 65,871 kWh related to the Solar Share Program are included in generation for FAC purposes

Sales									
ENERGY IMBALANCE	IMBL	235,000	\$ 1,055.80	60,000	\$ 17.60	\$ -	\$ 4,105.76	\$ 2,484.83	\$ 6,590.59
MACQUARIE ENERGY, LLC	MACQUARIE	125,000	\$ 844.67	32,000	\$ 26.40	\$ -	\$ 3,284.73	\$ 2,024.67	\$ 5,309.40
MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC.	MISO	586,000	\$ 4,107.99	150,000	\$ 27.39	\$ -	\$ 15,975.04	\$ 9,846.83	\$ 25,821.87
PJM INTERCONNECTION ASSOCIATION	PJM	444,000	\$ 2,640.32	113,000	\$ 23.37	\$ -	\$ 10,267.60	\$ (11,660.95)	\$ (1,393.35)
RAINBOW ENERGY MARKETING CORP	REMC	802,000	\$ 5,397.73	205,000	\$ 26.33	\$ -	\$ 20,990.54	\$ 12,938.33	\$ 33,928.87
TENNESSEE VALLEY AUTHORITY	TVA	309,000	\$ 2,259.62	79,000	\$ 28.60	\$ -	\$ 8,787.16	\$ 5,416.31	\$ 14,203.47
THE ENERGY AUTHORITY-SEEM	TEAM	18,000	\$ 107.26	5,000	\$ 21.45	\$ -	\$ 417.11	\$ 257.10	\$ 674.21
KENTUCKY UTILITIES COMPANY	KU	49,907,000	\$ -	-	\$ -	\$ -	\$ 1,234,953.14	\$ 3,033.76	\$ 1,237,986.90
Total Sales		52,426,000	\$ 16,413.39	644,000	\$ 25.49	\$ -	\$ 1,298,781.08	\$ 24,340.88	\$ 1,323,121.96

	KWH	\$	\$/MWH
GENERATION FOR OSS	1,875,000	\$ 47,414.55	25.29
GENERATION FOR INTERNAL ECONOMY TO KU	47,253,000	\$ 1,167,293.08	24.70
GENERATION FOR INTERNAL REPLACEMENT TO KU	2,654,000	\$ 67,233.76	25.33
SPLIT SAVINGS		\$ 426.30	
SALES FROM INTERNAL GENERATION	51,782,000	\$ 1,282,367.69	
SALES FROM OSS PURCHASES	644,000	\$ 16,413.39	25.49
	52,426,000	\$ 1,298,781.08	
ADJUSTMENTS FROM PRIOR MONTHS	-	\$ -	
	52,426,000	\$ 1,298,781.08	

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
Apr - 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)
Mill Creek																	
Mill Creek High Sulfur Coal																	
Long Term Contract																	
ACNR Coal Sales Inc	P	J23001	B	U	WV	10,236.80	12,875	25.750	38.25	148.55	8.53	33.13	46.78	181.68	2.15	7.86	6.73
Alliance Coal LLC	P	J21004	B	U	WKY	3,131.24	11,511	23.022	42.20	183.32	5.02	21.80	47.22	205.12	2.98	9.37	11.51
Alliance Coal LLC	P	J23004	B	U	WKY	6,349.61	11,465	22.931	52.15	227.44	5.22	22.76	57.37	250.20	3.02	9.31	11.77
Alliance Coal LLC	P	J24003	R	U	WKY	168,783.80	11,527	23.054	54.65	237.04	7.07	30.67	61.72	267.71	3.10	13.80	8.48
Foresight Coal Sales LLC	P	J21011	B	U	IL	39,880.50	11,706	23.413	34.25	146.28	5.10	21.78	39.35	168.06	2.63	8.91	10.81
Knight Hawk Coal LLC	P	J21022	B	U	IL	1,815.90	11,211	22.422	37.33	166.48	10.22	45.58	47.55	212.06	3.04	8.63	12.52
Knight Hawk Coal LLC	P	J23002	B	U	IL	1,816.75	11,097	22.194	45.44	204.74	10.22	46.05	55.66	250.79	3.05	10.02	12.27
Peabody COALSALES LLC	P	J23003	B	U	IL	3,516.90	11,032	22.063	83.53	378.60	8.96	40.62	92.49	419.22	2.84	8.41	13.92
Total Long Term						235,531.50	11,601	23.202	50.48	217.55	6.79	29.30	57.27	246.85	2.97	12.39	9.07
Total Mill Creek						235,531.50	11,601	23.202	50.48	217.55	6.79	29.30	57.27	246.85	2.97	12.39	9.07

(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
Apr - 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	3,185.94	11,560	23.119	42.39	183.37	5.99	25.91	48.38	209.28	2.47	8.95	11.71	
Alliance Coal LLC	P	J21004	B	U	WKY	54,516.28	11,472	22.944	42.21	183.96	5.79	25.23	48.00	209.19	3.04	9.37	11.70	
Alliance Coal LLC	P	J21010	B	U	WKY	20,379.62	11,458	22.916	41.44	180.82	5.87	25.62	47.31	206.44	3.04	9.42	11.71	
Alliance Coal LLC	P	J23004	B	U	WKY	8,323.40	11,481	22.962	52.13	227.04	5.95	25.89	58.08	252.93	3.05	9.33	11.76	
Alliance Coal LLC	P	J24007	B	U	WKY	7,055.47	11,468	22.936	46.96	204.75	5.87	25.60	52.83	230.35	3.05	9.44	11.70	
Foresight Coal Sales LLC	P	J21011	B	U	IL	43,777.94	11,720	23.439	34.20	145.92	5.92	25.25	40.12	171.17	2.69	8.89	10.78	
Knight Hawk Coal LLC	P	J21022	B	U	IL	15,592.67	11,150	22.299	37.72	169.16	10.85	48.67	48.57	217.83	3.00	9.07	12.77	
Knight Hawk Coal LLC	P	J23002	B	U	IL	14,016.03	11,086	22.171	45.70	206.10	10.83	48.89	56.53	254.99	3.03	9.78	12.54	
McBride Marine Transportation LLC	B	J23020	B	U	WKY	1,615.70	11,000	22.000	25.00	113.64	0.00	0.00	25.00	113.64	3.30	16.50	13.20	
Peabody COALSALLES LLC	P	J23003	B	U	IL	1,756.00	10,886	21.772	85.38	392.16	9.51	43.68	94.89	435.84	2.85	8.23	15.02	
Total Long Term						170,219.05	11,464	22.928	40.90	178.39	6.71	29.26	47.61	207.65	2.94	9.31	11.68	
Total Trimble County						170,219.05	11,464	22.928	40.90	178.39	6.71	29.26	47.61	207.65	2.94	9.31	11.68	
Total Louisville Gas & Electric						405,750.55	11,543	23.087	46.46	201.23	6.76	29.29	53.22	230.52	2.96	11.10	10.17	

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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: April 30, 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	17,435 (1)	1.065	205,669.76 (1)	1,107.64	-
LG&E	U	-	P	Mill Creek	21,746	1.065	245,638.79	1,060.64	-
LG&E	U	-	P	Paddy's Run	92,253 (1)	1.065	339,039.33 (1)	345.08	-
Kentucky Utilities	U	-	P	EW Brown CTs	158,219 (2)	1.025	536,488.99 (2)	330.81	-
LG&E	U	-	P	Trimble County	1,160,109 (1)	1.065	2,346,774.85 (1)	189.94	-
Total Natural Gas					<u>1,449,762</u>	<u>1.061</u>	<u>3,673,611.72</u>	<u>238.91</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: April 30, 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)	260	257	-	386	
	c. Net Demonstrated Capability (MW)	300	297	393	482	
	d. Net Capability Factor (1b/1c) (%)	87%	87%	-	80%	
2.	Heat Rate:					
	a. BTU Consumed (MMBTU)	751,466	724,355	-	2,175,487	
	b. Gross Generation (MWH)	82,092	79,043	-	247,432	
	c. Net Generation (MWH)	71,283	69,435	(567) (2)	225,354	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,542	10,432	-	9,654	
3.	Operation Availability:					
	a. Hours Unit Operated	275	270	-	584	
	b. Hours Available	378	270	-	584	
	c. Hours During the Period	720	720	720	720	
	d. Availability Factor (3b/3c) (%)	53%	37%	0%	81%	
4.	Cost per KWH:					
	a. Gross Generation - FAC Basis (cents/KWH)	2.301	2.290	-	2.211	
	b. Net Generation - FAC Basis (cents/KWH)	2.650	2.607	-	2.428	
5.	Inventory Analysis:					
	a. Number of Days Supply based on actual burn at the station (1)					85

(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.

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Trimble County

Month Ended: April 30, 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)	436	649	
	c. Net Demonstrated Capability (MW)	493	747	
	d. Net Capability Factor (1b/1c) (%)	89%	87%	
2.	Heat Rate:			
	a. BTU Consumed (MMBTU)	3,118,051	4,301,573	
	b. Gross Generation (MWH)	322,297	501,897	
	c. Net Generation (MWH)	295,214	467,410	
	d. Heat Rate (2a/2c) (BTU/KWH)	10,562	9,203	
3.	Operation Availability:			
	a. Hours Unit Operated	676	720	
	b. Hours Available	676	720	
	c. Hours During the Period	720	720	
	d. Availability Factor (3b/3c) (%)	94%	100%	
4.	Cost per KWH:			
	a. Gross Generation - FAC Basis (cents/KWH)	2.166	1.986	
	b. Net Generation - FAC Basis (cents/KWH)	2.365	2.132	
5.	Inventory Analysis:			
	a. Number of Days Supply based on actual burn at the station (1)			51

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: April 30, 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)	-	148	160	163	163	151	160	159
	c. Net Demonstrated Capability (MW)	26	161	169	169	169	169	169	169
	d. Net Capability Factor (1b/1c) (%)	-	92%	94%	96%	96%	89%	95%	94%
2.	Heat Rate:								
	a. BTU Consumed (MMBTU)	-	185,375	740,394	451,068	884,000	15,660	1,194,043	68,308
	b. Gross Generation (MWH)	-	17,947	70,798	43,294	85,865	1,457	116,062	6,631
	c. Net Generation (MWH)	(19) (1)	17,794	70,454	43,084	85,501	1,451	115,522	6,600
	d. Heat Rate (2a/2c) (BTU/KWH)	-	10,418	10,509	10,470	10,339	10,793	10,336	10,350
3.	Operation Availability								
	a. Hours Unit Operated	-	120	441	265	525	10	720	41
	b. Hours Available	720	720	720	720	576	60	720	720
	c. Hours During the Period	720	720	720	720	720	720	720	720
	d. Availability Factor (3b/3c) (%)	100%	100%	100%	100%	80%	8%	100%	100%
4.	Cost per KWH:								
	a. Gross Generation - FAC Basis (cents/KWH)	-	3.043	1.916	2.132	1.830	18.591	1.754	5.274
	b. Net Generation - FAC Basis (cents/KWH)	-	3.069	1.925	2.143	1.838	18.668	1.763	5.299
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: April 30, 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)	140
	c. Net Demonstrated Capability (MW)	694
	d. Net Capability Factor (1b/1c) (%)	20%
2.	Heat Rate:	
	a. BTU Consumed (MMBTU)	40,840
	b. Gross Generation (MWH)	4,433
	c. Net Generation (MWH)	3,011
	d. Heat Rate (2a/2c) (BTU/KWH)	13,564
3.	Operation Availability:	
	a. Hours Unit Operated	22
	b. Hours Available	21
	c. Hours During the Period	720
	d. Availability Factor (3b/3c) (%)	3%
4.	Cost per KWH:	
	a. Gross Generation - FAC Basis (cents/KWH)	21.833
	b. Net Generation - FAC Basis (cents/KWH)	32.143
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 (April 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>
PADDYS RUN 12	17,692	154.90	27.40	0.00	0.00	0.00	0.00	27.40	N/A	N/A
HAEFLING	17,765	726.00	128.97	0.00	0.00	0.00	0.00	128.97	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 \$	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 \$	Excluded in Calculation? \$	Additional 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 April-24	MTD Current Year April-24
Revenue		
External Sales ¹	\$ 85,135	\$ 249,618
Internal Sales	\$ 70,268	\$ 15,797
Total	\$ 155,403	\$ 265,415
External Expenses		
Fuel	\$ (47,415)	\$ (83,805)
Purchase Power	\$ (1,641)	\$ 12,334
ECR Consumables	\$ -	\$ -
Other Consumables	\$ (1,969)	\$ (4,138)
Transmission	\$ (624)	\$ (81)
RTO Costs	\$ 2,413	\$ (248)
Inter-System Losses	\$ (319)	\$ (772)
Internal Expenses		
Fuel	\$ (67,234)	\$ (15,022)
Purchase Power	\$ (15,797)	\$ (70,268)
Other Consumables	\$ (3,026)	\$ (774)
Transmission	\$ (42,369)	\$ (40,982)
Total	\$ (177,980)	\$ (203,755)
Electric Off-System Sales Margin	\$ (22,577)	\$ 61,660
OSS Margin - Jurisdictional	\$ (16,933)	\$ 44,299
OSS Margin - Non-Jurisdictional	\$ -	\$ 1,946
OSS Margin - Utility Share	\$ (5,644)	\$ 15,415

Note 1: LG&E sold 18 MWh totaling \$674 through SEEM. KU sold 43 MWh totaling \$1,622 through SEEM.

SEEM Formation and Participation Costs

Expense Month: April 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>\$ 1,363</u>	<u>\$ 1,961</u>
Total Costs	\$ 1,363	\$ 1,961