

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

JUL 12 2024

PUBLIC SERVICE
COMMISSION

July 15, 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 May 2024.

Sincerely,

A handwritten signature in blue ink that reads 'Andrea M. Fackler'. The signature is written in a cursive style and is positioned below the 'Sincerely,' text.

Andrea M. Fackler

Enclosures

Company: Louisville Gas and Electric Company

Plant: Mill Creek and Trimble County

Month Ended: May 31, 2024

Fuel: Coal

Mill Creek High Sulfur

| | | Amount | MMBTU | Per Unit | Tons | Per Unit |
|---------------------|-----------|------------------|---------------|-----------|--------------|------------|
| Beginning Inventory | 4/30/2024 | \$ 42,823,589.78 | 17,350,983.37 | \$ 2.4681 | 752,104.04 | \$ 56.9384 |
| Add: Purchases | | \$ 15,953,007.54 | 6,269,367.23 | \$ 2.5446 | 273,858.58 | \$ 58.2527 |
| Adjustments | | \$ - | - | \$ - | - | \$ - |
| Sub-Total | | \$ 58,776,597.32 | 23,620,350.60 | \$ 2.4884 | 1,025,962.62 | \$ 57.2892 |
| Less: Fuel Burned | | \$ 14,163,496.23 | 5,700,912.34 | \$ 2.4844 | 247,431.00 | \$ 57.2422 |
| Ending Inventory | 5/31/2024 | \$ 44,613,101.09 | 17,919,438.26 | \$ 2.4896 | 778,531.62 | \$ 57.3042 |

Trimble County High Sulfur

| | | Amount | MMBTU | Per Unit | Tons | Per Unit |
|----------------------------------|-----------|-----------------------|--------------------|-----------|------------------|------------|
| Beginning Inventory | 4/30/2024 | \$ 8,306,109.09 | 3,775,874.06 | \$ 2.1998 | 164,871.06 | \$ 50.3794 |
| Add: Purchases | | \$ 15,707,012.02 | 7,175,745.81 | \$ 2.1889 | 314,397.42 | \$ 49.9591 |
| Adjustments | | \$ (6,356,802.22) (2) | (2,903,578.84) (2) | \$ 2.1893 | (127,282.28) (2) | \$ 49.9426 |
| Sub-Total | | \$ 17,656,318.89 | 8,048,041.03 | \$ 2.1939 | 351,986.20 | \$ 50.1620 |
| Less: Fuel Burned-Jurisdictional | | \$ 6,132,027.92 | 2,808,667.76 | \$ 2.1833 | 122,728.15 | \$ 49.9643 |
| Fuel Burned-Non-Jurisdictional | | \$ 2,254,388.09 | 1,032,560.60 | \$ 2.1833 | 45,118.99 | \$ 49.9654 |
| Total Burn | | \$ 8,386,416.01 | 3,841,228.36 | \$ 2.1833 | 167,847.14 | \$ 49.9646 |
| Ending Inventory | 5/31/2024 | \$ 9,269,902.88 | 4,206,812.67 | \$ 2.2035 | 184,139.06 | \$ 50.3419 |

Trimble County PRB

| | | Amount | MMBTU | Per Unit | Tons | Per Unit |
|----------------------------------|-----------|-------------------|----------------|-----------|--------------|------------|
| Beginning Inventory | 4/30/2024 | \$ 1,828,348.51 | 680,337.07 | \$ 2.6874 | 38,236.19 | \$ 47.8172 |
| Add: Purchases | | \$ - | - | \$ - | - | \$ - |
| Adjustments | | \$ 291,909.84 (3) | 107,905.49 (3) | \$ 2.7052 | 6,028.90 (3) | \$ 48.4184 |
| Sub-Total | | \$ 2,120,258.35 | 788,242.56 | \$ 2.6899 | 44,265.09 | \$ 47.8991 |
| Less: Fuel Burned-Jurisdictional | | \$ 446,802.01 | 166,313.59 | \$ 2.6865 | 9,341.56 | \$ 47.8295 |
| Fuel Burned-Non-Jurisdictional | | \$ 164,249.69 | 61,139.35 | \$ 2.6865 | 3,434.10 | \$ 47.8290 |
| Total Burn | | \$ 611,051.70 | 227,452.94 | \$ 2.6865 | 12,775.66 | \$ 47.8294 |
| Ending Inventory | 5/31/2024 | \$ 1,509,206.65 | 560,789.62 | \$ 2.6912 | 31,489.43 | \$ 47.9274 |

Coal In Transit

| | | Amount | MMBTU | Per Unit | Tons | Per Unit |
|--------------------------|-----------|---------------------|------------------|-----------|----------------|------------|
| Coal In Transit | 5/31/2024 | \$ 5,355,382.73 (1) | 2,345,792.48 (1) | \$ 2.2830 | 105,362.73 (1) | \$ 50.8281 |
| Total Combined Inventory | 5/31/2024 | \$ 60,747,593.35 | 25,032,833.03 | \$ 2.4267 | 1,099,522.85 | \$ 55.2491 |

(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: May 31, 2024

Fuel: Natural Gas

Paddy's Run

| | | <u>Amount</u> | <u>Units (MCF)</u> | <u>Per Unit</u> |
|---|-----------|----------------------|--------------------|------------------|
| Beginning Inventory | 4/30/2024 | \$ - | - | \$ - |
| Add: Purchases | | \$ 175,992.36 | 59,115 | \$ 2.9771 |
| Paddy's Run Fixed Gas Demand Charge | | \$ 249,198.00 | - | \$ - |
| Total Purchases | | <u>\$ 425,190.36</u> | <u>59,115</u> | <u>\$ 7.1926</u> |
| Adjustments | | <u>\$ -</u> | <u>-</u> | <u>\$ -</u> |
| Sub-Total | | \$ 425,190.36 | 59,115 | \$ 7.1926 |
| Less: Fuel Burned LG&E Share | | \$ 250,365.90 | 31,644 | \$ 7.9120 |
| Paddy's Run Purchases Allocated to KU | | \$ 81,784.42 | 27,471 | \$ 2.9771 |
| Paddy's Run Fixed Gas Demand Charge Allocated to KU | | <u>\$ 93,040.04</u> | <u>-</u> | <u>\$ -</u> |
| Total Burn | | <u>\$ 425,190.36</u> | <u>59,115</u> | <u>\$ 7.1926</u> |
| Ending Inventory | 5/31/2024 | \$ - | - | \$ - |

Mill Creek

| | | <u>Amount</u> | <u>Units (MCF)</u> | <u>Per Unit</u> |
|---------------------|-----------|----------------------|--------------------|------------------|
| Beginning Inventory | 4/30/2024 | \$ - | - | \$ - |
| Add: Purchases | | <u>\$ 293,546.93</u> | <u>34,413</u> | <u>\$ 8.5301</u> |
| Total Purchases | | \$ 293,546.93 | 34,413 | \$ 8.5301 |
| Adjustments | | <u>\$ -</u> | <u>-</u> | <u>\$ -</u> |
| Sub-Total | | \$ 293,546.93 | 34,413 | \$ 8.5301 |
| Less: Fuel Burned | | <u>\$ 293,546.93</u> | <u>34,413</u> | <u>\$ 8.5301</u> |
| Total Burn | | \$ 293,546.93 | 34,413 | \$ 8.5301 |
| Ending Inventory | 5/31/2024 | \$ - | - | \$ - |

Cane Run 7

| | | <u>Amount</u> | <u>Units (MCF)</u> | <u>Per Unit</u> |
|---|-----------|-------------------------|---------------------|--------------------|
| Beginning Inventory | 4/30/2024 | \$ 571,353.49 | 141,827 | \$ 4.0285 |
| Add: Purchases | | \$ 5,027,844.60 | 1,776,041 | \$ 2.8309 |
| Fixed Gas Demand Charge | | <u>\$ 840,465.89</u> | <u>-</u> | <u>\$ -</u> |
| Total Purchases | | \$ 5,868,310.49 | 1,776,041 | \$ 3.3042 |
| Adjustments | | <u>\$ 77,373.95 (1)</u> | <u>(21,222) (2)</u> | <u>\$ (3.6459)</u> |
| Sub-Total | | \$ 6,517,037.93 | 1,896,646 | \$ 3.4361 |
| Less: Fuel Burned LG&E Share | | \$ 1,256,829.45 | 358,145 | \$ 3.5093 |
| Current Month Purchases Allocated to KU | | \$ 3,354,796.63 | 1,159,157 | \$ 2.8942 |
| Fuel Inventory Allocated to KU | | \$ 445,655.72 | 110,625 | \$ 4.0285 |
| Fixed Gas Demand Charge Allocated to KU | | <u>\$ 655,563.39</u> | <u>-</u> | <u>\$ -</u> |
| Total Burn | | <u>\$ 5,712,845.19</u> | <u>1,627,927</u> | <u>\$ 3.5093</u> |
| Ending Inventory | 5/31/2024 | \$ 804,192.74 | 268,719 | \$ 2.9927 |

Trimble County Start-up and Stabilization

| | | Amount | Units (MCF) | Per Unit |
|---|-----------|------------------|-------------|------------|
| Beginning Inventory | 4/30/2024 | \$ - | - | \$ - |
| Add: Purchases | | \$ 38,117.93 | 20,432 | \$ 1.8656 |
| Fixed Gas Demand Charge | | \$ 166,515.78 | - | \$ - |
| Total Purchases | | \$ 204,633.71 | 20,432 | \$ 10.0154 |
| Adjustments | | \$ - | - | \$ - |
| Sub-Total | | \$ 204,633.71 | 20,432 | \$ 10.0154 |
| Less: Fuel Burned LG&E Share-Jurisdictional | | \$ 81,232.61 | 10,319 | \$ 7.8721 |
| Fuel Burned Non-Jurisdictional | | \$ 28,384.91 (3) | 3,606 (3) | \$ 7.8716 |
| Purchases Allocated to KU | | \$ 12,139.46 | 6,507 | \$ 1.8656 |
| Fixed Gas Demand Charge Allocated to KU | | \$ 82,876.73 | - | \$ - |
| Total Burn | | \$ 204,633.71 | 20,432 | \$ 10.0154 |
| Ending Inventory | 5/31/2024 | \$ - | - | \$ - |

Trimble County CTs

| | | Amount | Units (MCF) | Per Unit |
|--|-----------|------------------|--------------|-------------|
| Beginning Inventory | 4/30/2024 | \$ 199,866.15 | 125,189 | \$ 1.5965 |
| Add: Purchases | | \$ 1,863,132.15 | 1,001,761 | \$ 1.8599 |
| Fixed Gas Demand Charge | | \$ 1,533,989.22 | - | \$ - |
| Total Purchases | | \$ 3,397,121.37 | 1,001,761 | \$ 3.3911 |
| Adjustments | | \$ 16,406.14 (1) | (11,436) (2) | \$ (1.4346) |
| Sub-Total | | \$ 3,613,393.66 | 1,115,514 | \$ 3.2392 |
| Less: Fuel Burned LG&E Share | | \$ 1,200,722.46 | 361,627 | \$ 3.3203 |
| Trimble County Start-up and Stabilization LG&E Share | | \$ 25,978.47 | 13,925 | \$ 1.8656 |
| Current Month Fuel Purchases Allocated to KU | | \$ 1,124,771.55 | 591,773 | \$ 1.9007 |
| Fuel Inventory Allocated to KU | | \$ 130,022.47 | 81,441 | \$ 1.5965 |
| Fixed Gas Demand Charge Allocated to KU | | \$ 1,007,319.60 | - | \$ - |
| Trimble County Start-up and Stabilization KU Share | | \$ 12,139.46 | 6,507 | \$ 1.8656 |
| Total Burn | | \$ 3,500,954.01 | 1,055,273 | \$ 3.3176 |
| Ending Inventory | 5/31/2024 | \$ 112,439.65 | 60,241 | \$ 1.8665 |

Brown CTs

| | | Amount | Units (MCF) | Per Unit |
|--|-----------|---------------|-------------|-----------|
| Beginning Inventory | 4/30/2024 | \$ - | - | \$ - |
| Add: Current Month Purchases Allocated from KU | | \$ 76,370.07 | 30,404 | \$ 2.5118 |
| Fuel Inventory allocated from KU | | \$ 8,810.66 | 2,599 | \$ 3.3900 |
| Total Purchases | | \$ 85,180.73 | 33,003 | \$ 2.5810 |
| Adjustments | | \$ - | - | \$ - |
| Sub-Total | | \$ 85,180.73 | 33,003 | \$ 2.5810 |
| Less: Fuel Burned | | \$ 85,180.73 | 33,003 | \$ 2.5810 |
| Ending Inventory | 5/31/2024 | \$ - | - | \$ - |
| Total Combined Inventory | 5/31/2024 | \$ 916,632.39 | 328,960 | \$ 2.7865 |

(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 May 31, 2024

| Company | Type of Transaction | KWH | Billing Components | | | |
|---|---------------------|-------------------|------------------------|------------------------|----------------------|------------------------|
| | | | Demand(\$) | Fuel Charges(\$) | Other Charges(\$) | Total Charges(\$) |
| Purchases | | | | | | |
| EAST KENTUCKY POWER COOPERATIVE | EKPC | 23,000 | \$ - | \$ 503.91 | \$ 0.00 | \$ 503.91 |
| ENERGY IMBALANCE | IMBL | 733,000 | \$ - | \$ 19,063.06 | \$ - | \$ 19,063.06 |
| PJM INTERCONNECTION ASSOCIATION | PJM | 200,000 | \$ - | \$ 2,942.54 | \$ - | \$ 2,942.54 |
| TENNESSEE VALLEY AUTHORITY | TVA | 613,000 | \$ - | \$ 6,369.00 | \$ - | \$ 6,369.00 |
| NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM | NCEMC | 7,000 | \$ - | \$ 93.36 | \$ - | \$ 93.36 |
| THE ENERGY AUTHORITY-SEEM | TEAM | 25,000 | \$ - | \$ 323.95 | \$ - | \$ 323.95 |
| TENNESSEE VALLEY AUTHORITY-SEEM | TVAM | 664,000 | \$ - | \$ 8,890.36 | \$ - | \$ 8,890.36 |
| LQF TARIFF PURCHASE POWER | LQF TARIFF | 79,700 | \$ - | \$ 1,895.62 | \$ - | \$ 1,895.62 |
| GREEN TARIFF BUSINESS SOLAR PURCHASE POWER | GTBS | - | \$ - | \$ 32.15 | \$ - | \$ 32.15 |
| SOLAR SHARE PROGRAM | SSP | - | \$ - | \$ 1,594.59 | \$ - | \$ 1,594.59 |
| NMS-2 | NMS-2 | 1,040,707 | \$ - | \$ 63,904.89 | \$ - | \$ 63,904.89 |
| SQF TARIFF PURCHASE POWER | SQF TARIFF | 14,160 | \$ - | \$ 337.42 | \$ - | \$ 337.42 |
| KENTUCKY UTILITIES COMPANY | KU | 48,037,000 | \$ - | \$ 1,118,500.80 | \$ 38.94 | \$ 1,118,539.74 |
| OHIO VALLEY ELECTRIC CORPORATION | OVEC | 30,089,000 | \$ 2,404,239.09 | \$ 1,223,533.49 | \$ - | \$ 3,627,772.58 |
| Total Purchases | | 81,525,567 | \$ 2,404,239.09 | \$ 2,447,985.14 | \$ 38.94 | \$ 4,852,263.17 |
| Sales | | | | | | |
| CONSTELLATION ENERGY GENERATION, LLC | CONSTGEN | 82,000 | | \$ 1,551.38 | \$ 2,079.22 | \$ 3,630.60 |
| INDIANA MUNICIPAL POWER AGENCY | IMPA | 2,000 | | \$ 25.72 | \$ 36.82 | \$ 62.54 |
| ENERGY IMBALANCE | IMBL | 267,000 | | \$ 3,509.46 | \$ 4,662.20 | \$ 8,171.66 |
| MACQUARIE ENERGY, LLC | MACQUARIE | 186,000 | | \$ 5,659.81 | \$ 7,585.52 | \$ 13,245.33 |
| MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC. | MISO | 1,309,000 | | \$ 43,216.24 | \$ 57,920.27 | \$ 101,136.51 |
| PJM INTERCONNECTION ASSOCIATION | PJM | 128,000 | | \$ 1,932.43 | \$ 2,589.91 | \$ 4,522.34 |
| RAINBOW ENERGY MARKETING CORP | REMC | 412,000 | | \$ 7,495.84 | \$ 10,046.26 | \$ 17,542.10 |
| DUKE ENERGY CAROLINAS, LLC-SEEM | DUKEBP | 10,000 | | \$ 160.88 | \$ 230.26 | \$ 391.14 |
| DUKE ENERGY FLORIDA, LLC | DUKEFLORIDA | 2,000 | | \$ 63.65 | \$ 91.10 | \$ 154.75 |
| DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM | DESC | 5,000 | | \$ 73.20 | \$ 104.76 | \$ 177.96 |
| NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM | NCEMC | 49,000 | | \$ 858.78 | \$ 1,150.98 | \$ 2,009.76 |
| SOUTHERN COMPANY SERVICES, INC-SEEM | SWE | 11,000 | | \$ 171.39 | \$ 245.30 | \$ 416.69 |
| THE ENERGY AUTHORITY-SEEM | TEAM | 205,000 | | \$ 3,421.02 | \$ 4,584.99 | \$ 8,006.01 |
| KENTUCKY UTILITIES COMPANY | KU | 47,036,000 | | \$ 1,160,760.99 | \$ 20,016.06 | \$ 1,180,777.05 |
| Total Sales | | 49,704,000 | \$ - | \$ 1,228,900.79 | \$ 111,343.65 | \$ 1,340,244.44 |



**Detailed Power Transaction Schedule
Month Ended May 31, 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> |
| <u>Purchases</u> | | | | | | | | |
| EAST KENTUCKY POWER COOPERATIVE | EKPC | 23,000 | \$ 408.64 | 20,000 | \$ 20.43 | \$ - | - | \$ - |
| ENERGY IMBALANCE | IMBL | 733,000 | \$ 17,209.08 | 668,000 | \$ 25.76 | \$ 189.65 | 7,000 | \$ 27.09 |
| PJM INTERCONNECTION ASSOCIATION | PJM | 200,000 | \$ 2,942.54 | 200,000 | \$ 14.71 | \$ - | - | \$ - |
| TENNESSEE VALLEY AUTHORITY | TVA | 613,000 | \$ 6,369.00 | 613,000 | \$ 10.39 | \$ - | - | \$ - |
| NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM | NCEMC | 7,000 | \$ 93.36 | 7,000 | \$ 13.34 | \$ - | - | \$ - |
| THE ENERGY AUTHORITY-SEEM | TEAM | 25,000 | \$ 323.95 | 25,000 | \$ 12.96 | \$ - | - | \$ - |
| TENNESSEE VALLEY AUTHORITY-SEEM | TVAM | 664,000 | \$ 8,890.36 | 664,000 | \$ 13.39 | \$ - | - | \$ - |
| LQF TARIFF PURCHASE POWER | LQF TARIFF | 79,700 | \$ 1,895.62 | 79,700 | \$ 23.78 | \$ - | - | \$ - |
| GREEN TARIFF BUSINESS SOLAR PURCHASE POWER | GTBS | - | \$ 32.15 | - | \$ - | \$ - | - | \$ - |
| SOLAR SHARE PROGRAM | SSP | - | \$ 1,594.59 | - | \$ - | \$ - | - | \$ - |
| NMS-2 | NMS-2 | 1,040,707 | \$ 63,904.89 | 1,040,707 | \$ 61.41 | \$ - | - | \$ - |
| SQF TARIFF PURCHASE POWER | SQF TARIFF | 14,160 | \$ 337.42 | 14,160 | \$ 23.83 | \$ - | - | \$ - |
| KENTUCKY UTILITIES COMPANY | KU | 48,037,000 | \$ 1,117,729.23 | 48,007,000 | \$ 23.28 | \$ - | - | \$ - |
| OHIO VALLEY ELECTRIC CORPORATION | OVEC | 30,089,000 | \$ 1,159,756.69 | 30,089,000 | \$ 38.54 | \$ - | - | \$ - |
| Total Purchases | | 81,525,567 | \$ 2,381,487.52 | 81,427,567 | \$ 29.25 | \$ 189.65 | 7,000 | \$ 27.09 |
| * 1,349 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes | | | | | | | | |
| * 66,926 kWh related to the Solar Share Program are included in generation for FAC purposes | | | | | | | | |
| <u>Sales</u> | | | | | | | | |
| CONSTELLATION ENERGY GENERATION, LLC | CONSTGEN | 82,000 | | | | | | |
| INDIANA MUNICIPAL POWER AGENCY | IMPA | 2,000 | | | | | | |
| ENERGY IMBALANCE | IMBL | 267,000 | | | | | | |
| MACQUARIE ENERGY, LLC | MACQUARIE | 186,000 | | | | | | |
| MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC. | MISO | 1,309,000 | | | | | | |
| PJM INTERCONNECTION ASSOCIATION | PJM | 128,000 | | | | | | |
| RAINBOW ENERGY MARKETING CORP | REMC | 412,000 | | | | | | |
| DUKE ENERGY CAROLINAS, LLC-SEEM | DUKEBP | 10,000 | | | | | | |
| DUKE ENERGY FLORIDA, LLC | DUKEFLORIDA | 2,000 | | | | | | |
| DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM | DESC | 5,000 | | | | | | |
| NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM | NCEMC | 49,000 | | | | | | |
| SOUTHERN COMPANY SERVICES, INC-SEEM | SWE | 11,000 | | | | | | |
| THE ENERGY AUTHORITY-SEEM | TEAM | 205,000 | | | | | | |
| KENTUCKY UTILITIES COMPANY | KU | 47,036,000 | | | | | | |
| Total Sales | | 49,704,000 | \$ - | - | \$ - | \$ - | - | \$ - |



Detailed Power Transaction Schedule
Month Ended May 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 | 23,000 | \$ 95.27 | 3,000 | \$ 31.76 | \$ (0.00) | \$ 503.91 | \$ - | \$ 503.91 | |
| ENERGY IMBALANCE | IMBL | 733,000 | \$ 1,664.33 | 58,000 | \$ 28.70 | \$ - | \$ 19,063.06 | \$ - | \$ 19,063.06 | |
| PJM INTERCONNECTION ASSOCIATION | PJM | 200,000 | \$ - | - | \$ - | \$ - | \$ 2,942.54 | \$ - | \$ 2,942.54 | |
| TENNESSEE VALLEY AUTHORITY | TVA | 613,000 | \$ - | - | \$ - | \$ - | \$ 6,369.00 | \$ - | \$ 6,369.00 | |
| NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM | NCEMC | 7,000 | \$ - | - | \$ - | \$ - | \$ 93.36 | \$ - | \$ 93.36 | |
| THE ENERGY AUTHORITY-SEEM | TEAM | 25,000 | \$ - | - | \$ - | \$ - | \$ 323.95 | \$ - | \$ 323.95 | |
| TENNESSEE VALLEY AUTHORITY-SEEM | TVAM | 664,000 | \$ - | - | \$ - | \$ - | \$ 8,890.36 | \$ - | \$ 8,890.36 | |
| LQF TARIFF PURCHASE POWER | LQF TARIFF | 79,700 | \$ - | - | \$ - | \$ - | \$ 1,895.62 | \$ - | \$ 1,895.62 | |
| GREEN TARIFF BUSINESS SOLAR PURCHASE POWER | GTBS | - | \$ - | - | \$ - | \$ - | \$ 32.15 | \$ - | \$ 32.15 | |
| SOLAR SHARE PROGRAM | SSP | - | \$ - | - | \$ - | \$ - | \$ 1,594.59 | \$ - | \$ 1,594.59 | |
| NMS-2 | NMS-2 | 1,040,707 | \$ - | - | \$ - | \$ - | \$ 63,904.89 | \$ - | \$ 63,904.89 | |
| SQF TARIFF PURCHASE POWER | SQF TARIFF | 14,160 | \$ - | - | \$ - | \$ - | \$ 337.42 | \$ - | \$ 337.42 | |
| KENTUCKY UTILITIES COMPANY | KU | 48,037,000 | \$ 771.57 | 30,000 | \$ 25.72 | \$ - | \$ 1,118,500.80 | \$ 38.94 | \$ 1,118,539.74 | |
| OHIO VALLEY ELECTRIC CORPORATION | OVEC | 30,089,000 | \$ - | - | \$ - | \$ 63,776.80 | \$ 1,223,533.49 | \$ 2,404,239.09 | \$ 3,627,772.58 | |
| Total Purchases | | 81,525,567 | \$ 2,531.17 | 91,000 | \$ 27.82 | \$ 63,776.80 | \$ 2,447,985.14 | \$ 2,404,239.09 | \$ 38.94 | \$ 4,852,263.17 |

* 1,349 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes
* 66,926 kWh related to the Solar Share Program are included in generation for FAC purposes

| Sales | | | | | | | | | |
|---|-------------|-------------------|--------------------|---------------|-----------------|-------------|------------------------|----------------------|------------------------|
| CONSTELLATION ENERGY GENERATION, LLC | CONSTGEN | 82,000 | \$ 58.05 | 3,000 | \$ 19.35 | \$ - | \$ 1,551.38 | \$ 2,079.22 | \$ 3,630.60 |
| INDIANA MUNICIPAL POWER AGENCY | IMPA | 2,000 | \$ - | - | \$ - | \$ - | \$ 25.72 | \$ 36.82 | \$ 62.54 |
| ENERGY IMBALANCE | IMBL | 267,000 | \$ 131.32 | 9,000 | \$ 14.59 | \$ - | \$ 3,509.46 | \$ 4,662.20 | \$ 8,171.66 |
| MACQUARIE ENERGY, LLC | MACQUARIE | 186,000 | \$ 211.78 | 6,000 | \$ 35.30 | \$ - | \$ 5,659.81 | \$ 7,585.52 | \$ 13,245.33 |
| MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC. | MISO | 1,309,000 | \$ 1,617.09 | 45,000 | \$ 35.94 | \$ - | \$ 43,216.24 | \$ 57,920.27 | \$ 101,136.51 |
| PJM INTERCONNECTION ASSOCIATION | PJM | 128,000 | \$ 72.31 | 5,000 | \$ 14.46 | \$ - | \$ 1,932.43 | \$ 2,589.91 | \$ 4,522.34 |
| RAINBOW ENERGY MARKETING CORP | REMC | 412,000 | \$ 280.48 | 14,000 | \$ 20.03 | \$ - | \$ 7,495.84 | \$ 10,046.26 | \$ 17,542.10 |
| DUKE ENERGY CAROLINAS, LLC-SEEM | DUKEBP | 10,000 | \$ - | - | \$ - | \$ - | \$ 160.88 | \$ 230.26 | \$ 391.14 |
| DUKE ENERGY FLORIDA, LLC | DUKEFLORIDA | 2,000 | \$ - | - | \$ - | \$ - | \$ 63.65 | \$ 91.10 | \$ 154.75 |
| DOMINION ENERGY SOUTH CAROLINA, INC.-SEEM | DESC | 5,000 | \$ - | - | \$ - | \$ - | \$ 73.20 | \$ 104.76 | \$ 177.96 |
| NORTH CAROLINA ELECTRIC MEMBERSHIP CORPORATION-SEEM | NCEMC | 49,000 | \$ 32.13 | 2,000 | \$ 16.07 | \$ - | \$ 858.78 | \$ 1,150.98 | \$ 2,009.76 |
| SOUTHERN COMPANY SERVICES, INC-SEEM | SWE | 11,000 | \$ - | - | \$ - | \$ - | \$ 171.39 | \$ 245.30 | \$ 416.69 |
| THE ENERGY AUTHORITY-SEEM | TEAM | 205,000 | \$ 128.01 | 7,000 | \$ 18.29 | \$ - | \$ 3,421.02 | \$ 4,584.99 | \$ 8,006.01 |
| KENTUCKY UTILITIES COMPANY | KU | 47,036,000 | \$ - | - | \$ - | \$ - | \$ 1,160,760.99 | \$ 20,016.06 | \$ 1,180,777.05 |
| Total Sales | | 49,704,000 | \$ 2,531.17 | 91,000 | \$ 27.82 | \$ - | \$ 1,228,900.79 | \$ 111,343.65 | \$ 1,340,244.44 |

| | KWH | \$/MWH |
|---|------------|-----------------|
| GENERATION FOR OSS | 2,577,000 | \$ 65,608.63 |
| GENERATION FOR INTERNAL ECONOMY TO KU | 38,543,000 | \$ 24.53 |
| GENERATION FOR INTERNAL REPLACEMENT TO KU | 8,493,000 | \$ 25.33 |
| SPLIT SAVINGS | \$ 379.85 | |
| SALES FROM INTERNAL GENERATION | 49,613,000 | \$ 1,226,369.62 |
| SALES FROM OSS PURCHASES | 91,000 | \$ 2,531.17 |
| | 49,704,000 | \$ 1,228,900.79 |
| ADJUSTMENTS FROM PRIOR MONTHS | - | - |
| | 49,704,000 | \$ 1,228,900.79 |

**Louisville Gas & Electric
Analysis Of Coal Purchased for Fuel Clause Backup
May - 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 | J23001 | B | U | WV | 6,393.50 | 12,919 | 25.838 | 38.55 | 149.18 | 8.28 | 32.05 | 46.83 | 181.23 | 2.04 | 7.31 | 7.04 | |
| Alliance Coal LLC | P | J21004 | B | U | WKY | 13,514.88 | 11,436 | 22.872 | 42.12 | 184.16 | 5.02 | 21.95 | 47.14 | 206.11 | 3.14 | 9.43 | 11.83 | |
| Alliance Coal LLC | P | J21010 | B | U | WKY | 1,724.06 | 11,461 | 22.922 | 41.40 | 180.59 | 5.02 | 21.90 | 46.42 | 202.49 | 3.16 | 9.43 | 11.80 | |
| Alliance Coal LLC | P | J23004 | B | U | WKY | 1,755.48 | 11,495 | 22.990 | 51.90 | 225.74 | 5.22 | 22.70 | 57.12 | 248.44 | 3.10 | 9.15 | 11.24 | |
| Alliance Coal LLC | P | J24003 | R | U | WKY | 171,563.90 | 11,469 | 22.938 | 54.37 | 237.04 | 7.07 | 30.83 | 61.44 | 267.87 | 3.19 | 14.00 | 8.68 | |
| Foresight Coal Sales LLC | P | J21011 | B | U | IL | 29,388.75 | 11,586 | 23.172 | 33.95 | 146.52 | 5.02 | 21.67 | 38.97 | 168.19 | 2.69 | 9.10 | 11.45 | |
| Knight Hawk Coal LLC | P | J21022 | B | U | IL | 21,955.96 | 11,162 | 22.325 | 37.60 | 168.42 | 9.83 | 44.04 | 47.43 | 212.46 | 3.03 | 8.87 | 12.94 | |
| Knight Hawk Coal LLC | P | J23002 | B | U | IL | 15,351.95 | 11,071 | 22.141 | 45.52 | 205.61 | 9.88 | 44.60 | 55.40 | 250.21 | 3.02 | 9.38 | 13.00 | |
| Peabody COALSALLES LLC | P | J23003 | B | U | IL | 10,657.90 | 10,788 | 21.576 | 84.96 | 393.78 | 8.77 | 40.64 | 93.73 | 434.42 | 2.80 | 8.22 | 15.83 | |
| Total Long Term | | | | | | 272,306.38 | 11,440 | 22.881 | 50.44 | 220.44 | 7.20 | 31.45 | 57.64 | 251.89 | 3.07 | 12.13 | 10.00 | |
| Spot Contract | | | | | | | | | | | | | | | | | | |
| Fore LLC | B | J24005 | B | U | WKY | 1,552.20 | 12,500 | 25.000 | 39.77 | 159.09 | 3.89 | 15.56 | 43.66 | 174.65 | 3.69 | 10.00 | 9.00 | |
| Total Spot | | | | | | 1,552.20 | 12,500 | 25.000 | 39.77 | 159.09 | 3.89 | 15.56 | 43.66 | 174.65 | 3.69 | 10.00 | 9.00 | |
| Total Mill Creek | | | | | | 273,858.58 | 11,446 | 22.893 | 50.38 | 220.06 | 7.18 | 31.36 | 57.56 | 251.42 | 3.07 | 12.11 | 10.00 | |

(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
May - 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 | 24,146.78 | 11,563 | 23.125 | 42.34 | 183.07 | 5.76 | 24.91 | 48.10 | 207.98 | 2.64 | 8.89 | 11.74 | |
| Alliance Coal LLC | P | J21004 | B | U | WKY | 77,783.58 | 11,417 | 22.835 | 42.03 | 184.07 | 5.76 | 25.22 | 47.79 | 209.29 | 3.11 | 9.58 | 11.82 | |
| Alliance Coal LLC | P | J21010 | B | U | WKY | 77,204.35 | 11,449 | 22.897 | 41.34 | 180.55 | 5.76 | 25.15 | 47.10 | 205.70 | 3.09 | 9.51 | 11.72 | |
| Alliance Coal LLC | P | J23004 | B | U | WKY | 25,046.34 | 11,446 | 22.892 | 52.00 | 227.16 | 5.76 | 25.16 | 57.76 | 252.32 | 3.14 | 9.50 | 11.74 | |
| Alliance Coal LLC | P | J24007 | B | U | WKY | 16,843.83 | 11,450 | 22.900 | 46.86 | 204.64 | 5.76 | 25.15 | 52.62 | 229.79 | 3.12 | 9.50 | 11.78 | |
| Foresight Coal Sales LLC | P | J21011 | B | U | IL | 52,612.03 | 11,515 | 23.031 | 33.83 | 146.89 | 5.78 | 25.11 | 39.61 | 172.00 | 2.70 | 9.02 | 11.90 | |
| Knight Hawk Coal LLC | P | J21022 | B | U | IL | 8,444.55 | 11,180 | 22.361 | 37.56 | 167.99 | 10.57 | 47.27 | 48.13 | 215.26 | 3.03 | 9.19 | 12.45 | |
| Knight Hawk Coal LLC | P | J23002 | B | U | IL | 18,569.46 | 11,086 | 22.172 | 45.47 | 205.08 | 10.57 | 47.67 | 56.04 | 252.75 | 3.03 | 9.77 | 12.52 | |
| McBride Marine Transportation LLC | B | J23020 | B | U | WKY | 1,618.90 | 11,000 | 22.000 | 25.00 | 113.64 | 0.00 | 0.00 | 25.00 | 113.64 | 3.30 | 16.50 | 13.20 | |
| Peabody COALSALES LLC | P | J23003 | B | U | IL | 12,127.60 | 10,986 | 21.972 | 84.93 | 386.54 | 9.51 | 43.29 | 94.44 | 429.83 | 2.82 | 8.19 | 14.53 | |
| Total Long Term | | | | | | 314,397.42 | 11,412 | 22.824 | 43.22 | 189.35 | 6.29 | 27.56 | 49.51 | 216.91 | 2.99 | 9.39 | 11.97 | |
| Total Trimble County | | | | | | 314,397.42 | 11,412 | 22.824 | 43.22 | 189.35 | 6.29 | 27.56 | 49.51 | 216.91 | 2.99 | 9.39 | 11.97 | |
| Total Louisville Gas & Electric | | | | | | 588,256.00 | 11,428 | 22.856 | 46.55 | 203.67 | 6.70 | 29.33 | 53.25 | 233.00 | 3.03 | 10.66 | 11.05 | |

(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: May 31, 2024

| <u>Fuel & Supplier</u> (a) | <u>P</u> B D <u>U</u> (b) | <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 | 616,884 (1) | 1.065 | 1,857,950.47 (1) | 282.80 | - |
| LG&E | U | - | P | Mill Creek | 34,413 | 1.065 | 293,546.93 | 800.95 | - |
| LG&E | U | - | P | Paddy's Run | 31,644 (1) | 1.065 | 250,365.90 (1) | 742.90 | - |
| Kentucky Utilities | U | - | P | EW Brown CTs | 33,003 (2) | 1.025 | 85,180.73 (2) | 251.80 | - |
| LG&E | U | - | P | Trimble County | 403,481 (1) | 1.065 | 1,336,529.81 (1) | 311.03 | - |
| Total Natural Gas | | | | | <u>1,119,425</u> | <u>1.064</u> | <u>3,823,573.84</u> | <u>321.07</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: May 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) | 179 | 200 | 275 | 341 | |
| | c. Net Demonstrated Capability (MW) | 300 | 297 | 393 | 482 | |
| | d. Net Capability Factor (1b/1c) (%) | 60% | 67% | 70% | 71% | |
| 2. | Heat Rate: | | | | | |
| | a. BTU Consumed (MMBTU) | 366,680 | 1,228,410 | 1,756,807 | 2,385,666 | |
| | b. Gross Generation (MWH) | 37,769 | 127,224 | 175,302 | 265,837 | |
| | c. Net Generation (MWH) | 32,475 | 112,266 | 160,204 | 243,272 | |
| | d. Heat Rate (2a/2c) (BTU/KWH) | 11,291 | 10,942 | 10,966 | 9,807 | |
| 3. | Operation Availability: | | | | | |
| | a. Hours Unit Operated | 181 | 560 | 582 | 714 | |
| | b. Hours Available | 741 | 689 | 582 | 744 | |
| | c. Hours During the Period | 744 | 744 | 744 | 744 | |
| | d. Availability Factor (3b/3c) (%) | 100% | 93% | 78% | 100% | |
| 4. | Cost per KWH: | | | | | |
| | a. Gross Generation - FAC Basis (cents/KWH) | 2.466 | 2.415 | 2.546 | 2.253 | |
| | b. Net Generation - FAC Basis (cents/KWH) | 2.867 | 2.737 | 2.786 | 2.462 | |
| 5. | Inventory Analysis: | | | | | |
| | a. Number of Days Supply based on actual burn at the station (1) | | | | | 87 |

(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: May 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) | 431 | 613 | |
| | c. Net Demonstrated Capability (MW) | 493 | 747 | |
| | d. Net Capability Factor (1b/1c) (%) | 87% | 82% | |
| 2. | Heat Rate: | | | |
| | a. BTU Consumed (MMBTU) | 3,266,656 | 4,299,242 | |
| | b. Gross Generation (MWH) | 333,488 | 490,537 | |
| | c. Net Generation (MWH) | 305,008 | 455,923 | |
| | d. Heat Rate (2a/2c) (BTU/KWH) | 10,710 | 9,430 | |
| 3. | Operation Availability: | | | |
| | a. Hours Unit Operated | 707 | 744 | |
| | b. Hours Available | 707 | 744 | |
| | c. Hours During the Period | 744 | 744 | |
| | d. Availability Factor (3b/3c) (%) | 95% | 100% | |
| 4. | Cost per KWH: | | | |
| | a. Gross Generation - FAC Basis (cents/KWH) | 2.156 | 2.055 | |
| | b. Net Generation - FAC Basis (cents/KWH) | 2.358 | 2.212 | |
| 5. | Inventory Analysis: | | | |
| | a. Number of Days Supply based on actual burn at the station (1) | | | 50 |

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: May 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) | 8 | 136 | 147 | 152 | 136 | 144 | 153 | 155 |
| | c. Net Demonstrated Capability (MW) | 26 | 161 | 169 | 169 | 169 | 169 | 169 | 169 |
| | d. Net Capability Factor (1b/1c) (%) | 32% | 85% | 87% | 90% | 81% | 85% | 90% | 92% |
| 2. | Heat Rate: | | | | | | | | |
| | a. BTU Consumed (MMBTU) | 709 | 62,249 | 68,927 | 214,147 | 19,045 | 27,813 | 444,732 | 327,441 |
| | b. Gross Generation (MWH) | 34 | 5,865 | 6,459 | 20,418 | 1,601 | 2,645 | 43,235 | 32,403 |
| | c. Net Generation (MWH) | 15 | 5,742 | 6,360 | 20,103 | 1,512 | 2,498 | 42,941 | 32,182 |
| | d. Heat Rate (2a/2c) (BTU/KWH) | 47,267 | 10,841 | 10,838 | 10,652 | 12,596 | 11,134 | 10,357 | 10,175 |
| 3. | Operation Availability | | | | | | | | |
| | a. Hours Unit Operated | 2 | 42 | 43 | 133 | 11 | 17 | 281 | 208 |
| | b. Hours Available | 744 | 744 | 742 | 742 | 186 | 731 | 744 | 744 |
| | c. Hours During the Period | 744 | 744 | 744 | 744 | 744 | 744 | 744 | 744 |
| | d. Availability Factor (3b/3c) (%) | 100% | 100% | 100% | 100% | 25% | 98% | 100% | 100% |
| 4. | Cost per KWH: | | | | | | | | |
| | a. Gross Generation - FAC Basis (cents/KWH) | 156.539 | 6.342 | 5.822 | 3.088 | 18.024 | 11.508 | 2.392 | 2.559 |
| | b. Net Generation - FAC Basis (cents/KWH) | 354.821 | 6.478 | 5.912 | 3.137 | 19.085 | 12.185 | 2.408 | 2.577 |
| 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

Company Name: Louisville Gas and Electric Company

Station Name - Unit Number: Cane Run NGCC

Month Ended: May 31, 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) | 495 |
| | c. Net Demonstrated Capability (MW) | 694 |
| | d. Net Capability Factor (1b/1c) (%) | 71% |
| 2. | Heat Rate: | |
| | a. BTU Consumed (MMBTU) | 1,733,742 |
| | b. Gross Generation (MWH) | 262,433 |
| | c. Net Generation (MWH) | 254,655 |
| | d. Heat Rate (2a/2c) (BTU/KWH) | 6,808 |
| 3. | Operation Availability: | |
| | a. Hours Unit Operated | 515 |
| | b. Hours Available | 527 |
| | c. Hours During the Period | 744 |
| | d. Availability Factor (3b/3c) (%) | 71% |
| 4. | Cost per KWH: | |
| | a. Gross Generation - FAC Basis (cents/KWH) | 2.177 |
| | b. Net Generation - FAC Basis (cents/KWH) | 2.243 |
| 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 (May 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) 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 | 164.00 | 29.01 | 0.00 | 0.00 | | 0.01 | | 29.03 | N/A | N/A |
| HAEFLING | 17,765 | 512.00 | 90.96 | 0.00 | 0.00 | | 0.01 | | 90.97 | N/A | N/A |

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

| MM/DD/YY Hr | Purchase From | Cost \$ | MWh Purch | Cost \$/MWh | Excluded Amount Prior to FO Calculation \$/MWh | Excluded in FO Calculation? \$ | Additional Exclusion For FAC | PADDYS RUN 12 Available ? Yes |
|-------------|------------------|---------|--------------|----------------|--|---|------------------------------------|-------------------------------------|
| 1 | | | | | | \$ - | | |
| | | | | | LG&E Total | \$ - | \$ - | |

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

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

OFF-SYSTEM SALES - ELECTRIC

| Electric Off-System Sales | LG&E | KU (Consolidated) |
|----------------------------------|----------------------------|----------------------------|
| | MTD Current Year May-24 | MTD Current Year May-24 |
| Revenue | | |
| External Sales ¹ | \$ 159,467 | \$ 653,032 |
| Internal Sales | \$ 235,108 | \$ 811 |
| Total | <u>\$ 394,575</u> | <u>\$ 653,843</u> |
| External Expenses | | |
| Fuel | \$ (65,609) | \$ (58,071) |
| Purchase Power | \$ (1,760) | \$ (7,329) |
| ECR Consumables | \$ - | \$ - |
| Other Consumables | \$ (2,608) | \$ (2,540) |
| Transmission | \$ (383) | \$ (1,397) |
| RTO Costs | \$ (141) | \$ (589) |
| Inter-System Losses | \$ (341) | \$ (1,402) |
| Internal Expenses | | |
| Fuel | \$ (215,092) | \$ (772) |
| Purchase Power | \$ (811) | \$ (235,108) |
| Other Consumables | \$ (8,473) | \$ (32) |
| Transmission | \$ (18,287) | \$ (74,886) |
| Total | <u>\$ (313,502)</u> | <u>\$ (382,125)</u> |
| Electric Off-System Sales Margin | <u>\$ 81,073</u> | <u>\$ 271,718</u> |
| OSS Margin - Jurisdictional | \$ 60,805 | \$ 193,585 |
| OSS Margin - Non-Jurisdictional | \$ - | \$ 10,204 |
| OSS Margin - Utility Share | <u>\$ 20,268</u> | <u>\$ 67,929</u> |

Note 1: LG&E sold 282 MWh totaling \$11,156 through SEEM. KU sold 1,154 MWh totaling \$45,662 through SEEM.

SEEM Formation and Participation Costs

Expense Month: May 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>\$ 9,959</u> | <u>\$ 13,753</u> |
| Total Costs | \$ 9,959 | \$ 13,753 |