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PUBLIC SERVICE  
COMMISSION



a PPL company

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

**Kentucky Utilities Company**  
State Regulation and Rates  
220 West Main Street  
PO Box 32010  
Louisville, Kentucky 40232  
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Andrea M. Fackler  
Manager, Revenue  
Requirement/Cost of Service  
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September 14, 2021

Dear Ms. Bridwell:

Enclosed are completed forms for Kentucky Utilities Company (“KU”) showing fuel inventories, power transactions, and fuel purchases for the month of July 2021.

Pursuant to Ordering Paragraph 19 of the Commission’s June 30, 2021 Order in KU’s most recent base rate case (Case No. 2020-00349), Page 8, Sheet 1 of 1 has been included in the filing to update the Commission on Southeast Energy Exchange Market (“SEEM”) activities. The July 2021 expense month filing includes the cumulative costs incurred to date. Beginning with the August 2021 expense month filing, only current costs incurred during the applicable expense month will be included. Upon approval of SEEM, costs and revenues related to purchases and sales, respectively, will be reflected in the Form B filing starting with the first month that such activities occur.

If you have any questions, please let me know.

Sincerely,

Andrea M. Fackler

Enclosures

## Company: Kentucky Utilities Company

Plant: E.W. Brown, Ghent and Trimble County

Month Ended: July 31, 2021

**Fuel: Coal**

|  |           | Amount               | MMBTU            | Per Unit  | Tons            | Per Unit   |
|--|-----------|----------------------|------------------|-----------|-----------------|------------|
| <b><u>E.W. Brown High Sulfur</u></b>     |           |                      |                  |           |                 |            |
| Beginning Inventory                      | 6/30/2021 | \$ 6,219,788.75      | 2,372,097.08     | \$ 2.6221 | 104,875.10      | \$ 59.3066 |
| Add: Purchases                           |           | \$ 2,525,778.83 (5)  | 984,812.53       | \$ 2.5647 | 44,130.95       | \$ 57.2337 |
| Adjustments                              |           | \$ -                 | -                | \$ -      | -               | \$ -       |
| Sub-Total                                |           | \$ 8,745,567.58      | 3,356,909.61     | \$ 2.6052 | 149,006.05      | \$ 58.6927 |
| Less: Fuel Burned                        |           | \$ 3,899,390.51      | 1,496,828.78     | \$ 2.6051 | 66,378.00       | \$ 58.7452 |
| Ending Inventory                         | 7/31/2021 | \$ 4,846,177.07      | 1,860,080.83     | \$ 2.6054 | 82,628.05       | \$ 58.6505 |
| <b><u>Ghent High Sulfur</u></b>          |           |                      |                  |           |                 |            |
| Beginning Inventory                      | 6/30/2021 | \$ 23,389,020.06     | 12,188,510.67    | \$ 1.9189 | 498,667.52      | \$ 46.9030 |
| Add: Purchases                           |           | \$ 19,738,312.79 (4) | 10,294,846.35    | \$ 1.9173 | 419,885.06 (7)  | \$ 47.0088 |
| Adjustments                              |           | \$ 4,747,000.00 (6)  | 2,446,912.37 (6) | \$ 1.9400 | 100,000.00 (6)  | \$ 47.4700 |
| Sub-Total                                |           | \$ 47,874,332.85     | 24,930,269.39    | \$ 1.9203 | 1,018,552.58    | \$ 47.0023 |
| Less: Fuel Burned                        |           | \$ 24,020,520.04     | 12,536,154.77    | \$ 1.9161 | 512,032.00      | \$ 46.9121 |
| Ending Inventory                         | 7/31/2021 | \$ 23,853,812.81     | 12,394,114.62    | \$ 1.9246 | 506,520.58      | \$ 47.0935 |
| <b><u>Trimble County PRB</u></b>         |           |                      |                  |           |                 |            |
| Beginning Inventory                      | 6/30/2021 | \$ 2,486,667.67      | 1,131,708.85     | \$ 2.1973 | 63,281.72       | \$ 39.2952 |
| Add: Purchases                           |           | \$ 2,420,432.96      | 1,060,837.40     | \$ 2.2816 | 59,283.25       | \$ 40.8283 |
| Adjustments                              |           | \$ (459,883.83) (2)  | (201,559.81) (2) | \$ 2.2816 | (11,263.86) (2) | \$ 40.8283 |
| Sub-Total                                |           | \$ 4,447,216.80      | 1,990,986.44     | \$ 2.2337 | 111,301.11      | \$ 39.9566 |
| Less: Fuel Burned-Jurisdictional         |           | \$ 1,353,391.12      | 611,292.61       | \$ 2.2140 | 34,157.26       | \$ 39.6224 |
| Fuel Burned-Non-Jurisdictional           |           | \$ 506,970.76        | 228,983.70       | \$ 2.2140 | 12,794.95       | \$ 39.6227 |
| Total Burn                               |           | \$ 1,860,361.88      | 840,276.31       | \$ 2.2140 | 46,952.21       | \$ 39.6225 |
| Ending Inventory                         | 7/31/2021 | \$ 2,586,854.92      | 1,150,710.13     | \$ 2.2481 | 64,348.90       | \$ 40.2005 |
| <b><u>Trimble County High Sulfur</u></b> |           |                      |                  |           |                 |            |
| Beginning Inventory                      | 6/30/2021 | \$ 4,904,381.10      | 2,543,441.96     | \$ 1.9282 | 109,331.45      | \$ 44.8579 |
| Add: Purchases                           |           | \$ -                 | -                | \$ -      | -               | \$ -       |
| Adjustments                              |           | \$ 5,218,274.04 (3)  | 2,740,331.58 (3) | \$ 1.9042 | 115,945.50 (3)  | \$ 45.0063 |
| Sub-Total                                |           | \$ 10,122,655.14     | 5,283,773.54     | \$ 1.9158 | 225,276.95      | \$ 44.9343 |
| Less: Fuel Burned-Jurisdictional         |           | \$ 3,834,450.55      | 2,001,273.72     | \$ 1.9160 | 85,692.84       | \$ 44.7465 |
| Fuel Burned-Non-Jurisdictional           |           | \$ 1,436,339.43      | 749,655.81       | \$ 1.9160 | 32,099.62       | \$ 44.7463 |
| Total Burn                               |           | \$ 5,270,789.98      | 2,750,929.53     | \$ 1.9160 | 117,792.46      | \$ 44.7464 |
| Ending Inventory                         | 7/31/2021 | \$ 4,851,865.16      | 2,532,844.01     | \$ 1.9156 | 107,484.49      | \$ 45.1401 |
| <b><u>Coal In Transit</u></b>            |           |                      |                  |           |                 |            |
| Coal In Transit                          | 7/31/2021 | \$ 8,358,036.01 (1)  | 4,371,473.16 (1) | \$ 1.9119 | 187,445.17 (1)  | \$ 44.5892 |
| Total Combined Inventory                 | 7/31/2021 | \$ 44,496,745.97     | 22,309,222.75    | \$ 1.9945 | 948,427.19      | \$ 46.9164 |

(1) Coal In Transit consists of coal purchased and owned by KU that has not arrived at the plants

(2) Adjustment to transfer LG&amp;E's portion of Trimble County 2 coal between LG&amp;E and KU.

(3) Adjustment to transfer KU's portion of Trimble County 2 coal between LG&amp;E and KU.

(4) Purchases can include contractual service costs related to transportation and handling of the inventory.

(5) Fixed rail capacity charges are included in purchases for EW Brown.

(6) Includes 100,000 tons purchased back from the Refined coal facility operator due to termination of the arrangement in August as previously discussed in Case No. 2015-00264.

(7) Timing difference from month end close of accounting records while the Align system is real time and/or prior month adjustments.

Company: Kentucky Utilities Company

Plant: E.W. Brown, Ghent and Haefling

Month Ended: July 31, 2021

**Fuel: Fuel Oil**

| <b><u>E.W. Brown</u></b>     |           | <u>Amount</u>   | <u>MMBTU</u> | <u>Per Unit</u> | <u>Gallons</u> | <u>Per Unit</u> |
|------------------------------|-----------|-----------------|--------------|-----------------|----------------|-----------------|
| Beginning Inventory          | 6/30/2021 | \$ 485,208.55   | 35,382.14    | \$ 13.7134      | 252,728        | \$ 1.9199       |
| Add: Purchases               |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Adjustments                  |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Sub-Total                    |           | \$ 485,208.55   | 35,382.14    | \$ 13.7134      | 252,728        | \$ 1.9199       |
| Less: Fuel Burned            |           | \$ 1,249.84     | 91.14        | \$ 13.7134      | 651            | \$ 1.9199       |
| Ending Inventory             | 7/31/2021 | \$ 483,958.71   | 35,291.00    | \$ 13.7134      | 252,077        | \$ 1.9199       |
| <b><u>E.W. Brown CTs</u></b> |           | <u>Amount</u>   | <u>MMBTU</u> | <u>Per Unit</u> | <u>Gallons</u> | <u>Per Unit</u> |
| Beginning Inventory          | 6/30/2021 | \$ 4,340,725.48 | 276,942.79   | \$ 15.6737      | 1,978,163      | \$ 2.1943       |
| Add: Purchases               |           | \$ 80,427.27    | 5,104.12     | \$ 15.7573      | 36,458         | \$ 2.2060       |
| Adjustments                  |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Sub-Total                    |           | \$ 4,421,152.75 | 282,046.91   | \$ 15.6752      | 2,014,621      | \$ 2.1945       |
| Less: Fuel Burned            |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Ending Inventory             | 7/31/2021 | \$ 4,421,152.75 | 282,046.91   | \$ 15.6752      | 2,014,621      | \$ 2.1945       |
| <b><u>Ghent</u></b>          |           | <u>Amount</u>   | <u>MMBTU</u> | <u>Per Unit</u> | <u>Gallons</u> | <u>Per Unit</u> |
| Beginning Inventory          | 6/30/2021 | \$ 674,764.99   | 52,532.48    | \$ 12.8447      | 375,232        | \$ 1.7983       |
| Add: Purchases               |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Adjustments                  |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Sub-Total                    |           | \$ 674,764.99   | 52,532.48    | \$ 12.8447      | 375,232        | \$ 1.7983       |
| Less: Fuel Burned            |           | \$ 47,114.44    | 3,668.00     | \$ 12.8447      | 26,200         | \$ 1.7983       |
| Ending Inventory             | 7/31/2021 | \$ 627,650.55   | 48,864.48    | \$ 12.8447      | 349,032        | \$ 1.7983       |
| <b><u>Haefling</u></b>       |           | <u>Amount</u>   | <u>MMBTU</u> | <u>Per Unit</u> | <u>Gallons</u> | <u>Per Unit</u> |
| Beginning Inventory          | 6/30/2021 | \$ 2,624.01     | 182.02       | \$ 14.4161      | 1,299          | \$ 2.0200       |
| Add: Purchases               |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Adjustments                  |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Sub-Total                    |           | \$ 2,624.01     | 182.02       | \$ 14.4161      | 1,299          | \$ 2.0200       |
| Less: Fuel Burned            |           | \$ -            | -            | \$ -            | -              | \$ -            |
| Ending Inventory             | 7/31/2021 | \$ 2,624.01     | 182.02       | \$ 14.4161      | 1,299          | \$ 2.0200       |
| Total Combined Inventory     | 7/31/2021 | \$ 5,535,386.02 | 366,384.41   | \$ 15.1081      | 2,617,029      | \$ 2.1151       |

Company: Kentucky Utilities Company

Plant: E.W. Brown, Haefling, Paddy's Run, Trimble County, and Cane Run

Month Ended: July 31, 2021

**Fuel: Natural Gas**

| <b><u>E.W. Brown CTs</u></b>                |           | <u>Amount</u>     | <u>MMBTU</u>   | <u>Per Unit</u> | <u>Units (MCF)</u> | <u>Per Unit</u> |
|---|-----------|-------------------|----------------|-----------------|--------------------|-----------------|
| Beginning Inventory                         | 6/30/2021 | \$ 47,406.24      | 12,045.00      | \$ 3.9358       | 11,762             | \$ 4.0305       |
| Add: Purchases                              |           | \$ 1,115,825.05   | 298,525.00     | \$ 3.7378       | 291,244            | \$ 3.8312       |
| Adjustments                                 |           | \$ 361,029.55 (1) | (8,943.00) (2) | \$ (40.3701)    | (8,725) (2)        | \$ (41.3787)    |
| Sub-Total                                   |           | \$ 1,524,260.84   | 301,627.00     | \$ 5.0535       | 294,281            | \$ 5.1796       |
| Less: Fuel Burned KU Share                  |           | \$ 969,393.98     | 191,834.00     | \$ 5.0533       | 187,157            | \$ 5.1796       |
| Purchases Allocated to LG&E                 |           | \$ 465,825.01     | 92,183.00      | \$ 5.0533       | 89,935             | \$ 5.1796       |
| Total Burn                                  |           | \$ 1,435,218.99   | 284,017.00     | \$ 5.0533       | 277,092            | \$ 5.1796       |
| Ending Inventory                            | 7/31/2021 | \$ 89,041.85      | 17,610.00      | \$ 5.0563       | 17,189             | \$ 5.1802       |
| <b><u>Haefling</u></b>                      |           | <u>Amount</u>     | <u>MMBTU</u>   | <u>Per Unit</u> | <u>MCF</u>         | <u>Per Unit</u> |
| Beginning Inventory                         | 6/30/2021 | \$ -              | -              | \$ -            | -                  | \$ -            |
| Add: Purchases                              |           | \$ -              | -              | \$ -            | -                  | \$ -            |
| Fixed Customer Charge                       |           | \$ 74.85          | -              | \$ -            | -                  | \$ -            |
| Total Purchases                             |           | \$ 74.85          | -              | \$ -            | -                  | \$ -            |
| Adjustments                                 |           | \$ -              | -              | \$ -            | -                  | \$ -            |
| Sub-Total                                   |           | \$ 74.85          | -              | \$ -            | -                  | \$ -            |
| Less: Fuel Burned                           |           | \$ 74.85          | -              | \$ -            | -                  | \$ -            |
| Ending Inventory                            | 7/31/2021 | \$ -              | -              | \$ -            | -                  | \$ -            |
| <b><u>Paddy's Run CTs</u></b>               |           | <u>Amount</u>     | <u>MMBTU</u>   | <u>Per Unit</u> | <u>MCF</u>         | <u>Per Unit</u> |
| Beginning Inventory                         | 6/30/2021 | \$ -              | -              | \$ -            | -                  | \$ -            |
| Add: Purchases Allocated from LG&E          |           | \$ 119,373.43     | 26,389.00      | \$ 4.5236       | 24,779             | \$ 4.8175       |
| Fixed Gas Demand Charge Allocated from LG&E |           | \$ 93,166.49      | -              | \$ -            | -                  | \$ -            |
| Total Purchases                             |           | \$ 212,539.92     | 26,389.00      | \$ 8.0541       | 24,779             | \$ 8.5774       |
| Adjustments                                 |           | \$ -              | -              | \$ -            | -                  | \$ -            |
| Sub-Total                                   |           | \$ 212,539.92     | 26,389.00      | \$ 8.0541       | 24,779             | \$ 8.5774       |
| Less: Fuel Burned                           |           | \$ 212,539.92     | 26,389.00      | \$ 8.0541       | 24,779             | \$ 8.5774       |
| Ending Inventory                            | 7/31/2021 | \$ -              | -              | \$ -            | -                  | \$ -            |

**Trimble County Start-up and Stabilization**

|   |           | <u>Amount</u>       | <u>MMBTU</u>    | <u>Per Unit</u>   | <u>MCF</u>   | <u>Per Unit</u>   |
|---|-----------|---------------------|-----------------|-------------------|--------------|-------------------|
| Beginning Inventory                         | 6/30/2021 | \$ -                | -               | \$ -              | -            | \$ -              |
| Add: Purchases Allocated from LG&E          |           | \$ 97,444.97        | 4,220.64        | \$ 23.0877        | 3,963        | \$ 24.5887        |
| Fixed Gas Demand Charge Allocated from LG&E |           | \$ -                | -               | \$ -              | -            | \$ -              |
| Total Purchases                             |           | <u>\$ 97,444.97</u> | <u>4,220.64</u> | <u>\$ 23.0877</u> | <u>3,963</u> | <u>\$ 24.5887</u> |
| Adjustments                                 |           | \$ -                | -               | \$ -              | -            | \$ -              |
| Sub-Total                                   |           | \$ 97,444.97        | 4,220.64        | \$ 23.0877        | 3,963        | \$ 24.5887        |
| Less: Fuel Burned-Jurisdictional            |           | \$ 70,890.23        | 3,070.47        | \$ 23.0877        | 2,883        | \$ 24.5887        |
| Fuel Burned-Non-Jurisdictional              |           | \$ 26,554.74 (3)    | 1,150.17 (3)    | \$ 23.0877        | 1,080 (3)    | \$ 24.5887        |
| Total Burn                                  |           | <u>\$ 97,444.97</u> | <u>4,220.64</u> | <u>\$ 23.0877</u> | <u>3,963</u> | <u>\$ 24.5887</u> |
| Ending Inventory                            | 7/31/2021 | \$ -                | -               | \$ -              | -            | \$ -              |

**Trimble County CTs**

|   |           | <u>Amount</u>          | <u>MMBTU</u>      | <u>Per Unit</u>  | <u>MCF</u>     | <u>Per Unit</u>  |
|---|-----------|------------------------|-------------------|------------------|----------------|------------------|
| Beginning Inventory                         | 6/30/2021 | \$ -                   | -                 | \$ -             | -              | \$ -             |
| Add: Purchases Allocated from LG&E          |           | \$ 1,971,310.77        | 520,761.00        | \$ 3.7854        | 488,977        | \$ 4.0315        |
| Fixed Gas Demand Charge Allocated from LG&E |           | \$ 990,287.60          | -                 | \$ -             | -              | \$ -             |
| Total Purchases                             |           | <u>\$ 2,961,598.37</u> | <u>520,761.00</u> | <u>\$ 5.6871</u> | <u>488,977</u> | <u>\$ 6.0567</u> |
| Adjustments                                 |           | \$ -                   | -                 | \$ -             | -              | \$ -             |
| Sub-Total                                   |           | \$ 2,961,598.37        | 520,761.00        | \$ 5.6871        | 488,977        | \$ 6.0567        |
| Less: Fuel Burned                           |           | <u>\$ 2,961,598.37</u> | <u>520,761.00</u> | <u>\$ 5.6871</u> | <u>488,977</u> | <u>\$ 6.0567</u> |
| Ending Inventory                            | 7/31/2021 | \$ -                   | -                 | \$ -             | -              | \$ -             |

**Cane Run 7**

|   |           | <u>Amount</u>          | <u>MMBTU</u>        | <u>Per Unit</u>  | <u>MCF</u>       | <u>Per Unit</u>  |
|---|-----------|------------------------|---------------------|------------------|------------------|------------------|
| Beginning Inventory                         | 6/30/2021 | \$ -                   | -                   | \$ -             | -                | \$ -             |
| Add: Purchases Allocated from LG&E          |           | \$ 5,703,824.87        | 1,926,235.00        | \$ 2.9611        | 1,808,671        | \$ 3.1536        |
| Fixed Gas Demand Charge Allocated from LG&E |           | \$ 655,299.23          | -                   | \$ -             | -                | \$ -             |
| Total Purchases                             |           | <u>\$ 6,359,124.10</u> | <u>1,926,235.00</u> | <u>\$ 3.3013</u> | <u>1,808,671</u> | <u>\$ 3.5159</u> |
| Adjustments                                 |           | \$ -                   | -                   | \$ -             | -                | \$ -             |
| Sub-Total                                   |           | \$ 6,359,124.10        | 1,926,235.00        | \$ 3.3013        | 1,808,671        | \$ 3.5159        |
| Less: Fuel Burned                           |           | <u>\$ 6,359,124.10</u> | <u>1,926,235.00</u> | <u>\$ 3.3013</u> | <u>1,808,671</u> | <u>\$ 3.5159</u> |
| Ending Inventory                            | 7/31/2021 | \$ -                   | -                   | \$ -             | -                | \$ -             |
| Total Combined Inventory                    | 7/31/2021 | <u>\$ 89,041.85</u>    | <u>17,610.00</u>    | \$ 5.0563        | <u>17,189</u>    | \$ 5.1802        |

(1) Includes depreciation addition and/or current month prepaid gas accrual. Offset by reversal of prior month gas accrual.

(2) Includes current month prepaid gas expenses. Offset by reversal of prior month prepaid gas expenses and pipeline inventory loss adjustments.

(3) Represents the partnership allocation for start-up and stabilization gas



Kentucky Utilities Company

Power Transaction Schedule

Month Ended: July-31-2021

| Company  | Type of Transaction | KWH        | Billing Components |                      |                        |                        |                        |
|--|---------------------|------------|--------------------|----------------------|------------------------|------------------------|------------------------|
|  |                     |            | Demand(\$)         | Fuel Charges(\$)     | Other Charges(\$)      | Total Charges(\$)      |                        |
| <b>Purchases</b>                               |                     |            |                    |                      |                        |                        |                        |
| EAST KENTUCKY POWER COOPERATIVE                | EKPC                | Economy    | 11,000             | \$ -                 | \$ 684.13              | \$ -                   | \$ 684.13              |
| ENERGY IMBALANCE                               | IMBL                | Economy    | 818,000            | \$ -                 | \$ 24,627.15           | \$ -                   | \$ 24,627.15           |
| TENNESSEE VALLEY AUTHORITY                     | TVA                 | Economy    | 209,000            | \$ -                 | \$ 20,891.09           | \$ -                   | \$ 20,891.09           |
| LQF TARIFF PURCHASE POWER                      | LQF TARIFF          | LQF Tariff | 45,160             | \$ -                 | \$ 940.10              | \$ -                   | \$ 940.10              |
| GREEN TARIFF BUSINESS SOLAR PURCHASE POWER     | GTBS                | GTBS       | -                  | \$ -                 | \$ 433.89              | \$ -                   | \$ 433.89              |
| SOLAR SHARE PROGRAM                            | SSP                 | SSP        | -                  | \$ -                 | \$ 320.46              | \$ -                   | \$ 320.46              |
| SQF TARIFF PURCHASE POWER                      | SQF TARIFF          | SQF Tariff | 24,095             | \$ -                 | \$ 538.85              | \$ -                   | \$ 538.85              |
| LOUISVILLE GAS & ELECTRIC                      | LGE                 | Economy    | 37,662,000         |                      | \$ 823,417.71          | \$ 26,409.86           | \$ 849,827.57          |
| OHIO VALLEY ELECTRIC CORPORATION               | OVEC                | Economy    | 22,998,000         | \$ 815,059.95        | \$ 589,995.06          | \$ -                   | \$ 1,405,055.01        |
| <b>Total Purchases</b>                         |                     |            | <b>61,767,255</b>  | <b>\$ 815,059.95</b> | <b>\$ 1,461,848.44</b> | <b>\$ 26,409.86</b>    | <b>\$ 2,303,318.25</b> |
| <b>Sales</b>                                   |                     |            |                    |                      |                        |                        |                        |
| DYNASTY POWER, INC.                            | DYNASTYPWR          | Economy    | 520,000            |                      | \$ 13,953.62           | \$ 12,195.76           | \$ 26,149.38           |
| INDIANA MUNICIPAL POWER AGENCY                 | IMPA                | Economy    | 313,000            |                      | \$ 8,411.59            | \$ 7,351.90            | \$ 15,763.49           |
| ENERGY IMBALANCE                               | IMBL                | Economy    | 880,000            |                      | \$ 14,266.62           | \$ 12,141.05           | \$ 26,407.67           |
| MACQUARIECOOK                                  | MACQUARIE           | Economy    | 2,732,000          |                      | \$ 69,405.38           | \$ 60,661.76           | \$ 130,067.14          |
| MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC. | MISO                | Economy    | 32,619,000         |                      | \$ 708,066.55          | \$ 614,137.75          | \$ 1,322,204.30        |
| PJM INTERCONNECTION ASSOCIATION                | PJM                 | Economy    | 16,049,000         |                      | \$ 359,023.75          | \$ 313,794.37          | \$ 672,818.12          |
| RAINBOW ENERGY MARKETING CORP                  | REMC                | Economy    | 119,000            |                      | \$ 2,281.78            | \$ 1,994.34            | \$ 4,276.12            |
| THE ENERGY AUTHORITY                           | TEA                 | Economy    | 209,000            |                      | \$ 4,481.93            | \$ 3,917.30            | \$ 8,399.23            |
| TENNESSEE VALLEY AUTHORITY                     | TVA                 | Economy    | 18,158,000         |                      | \$ 523,162.96          | \$ 457,255.52          | \$ 980,418.48          |
| LOUISVILLE GAS & ELECTRIC                      | LGE                 | Economy    | 175,456,000        |                      | \$ 3,620,156.79        | \$ 77.34               | \$ 3,620,234.13        |
| <b>Total Sales</b>                             |                     |            | <b>247,055,000</b> | <b>\$ -</b>          | <b>\$ 5,323,210.97</b> | <b>\$ 1,483,527.09</b> | <b>\$ 6,806,738.06</b> |



**Detailed Power Transaction Schedule**  
**Month Ended: July-31-2021**

| Company                                    | KWH        | Native Load       |                      |                   | Forced Outages   |             |             |
|--|------------|-------------------|----------------------|-------------------|------------------|-------------|-------------|
|  |            | Energy Cost (\$)  | KWH                  | \$/MWH            | Energy Cost (\$) | KWH         | \$/MWH      |
| <b>Purchases</b>                           |            |                   |                      |                   |                  |             |             |
| EAST KENTUCKY POWER COOPERATIVE            | EKPC       | 11,000            | \$ -                 | -                 | \$ -             | -           | \$ -        |
| ENERGY IMBALANCE                           | IMBL       | 818,000           | \$ 1,442.48          | 69,000            | \$ 20.91         | -           | \$ -        |
| TENNESSEE VALLEY AUTHORITY                 | TVA        | 209,000           | \$ -                 | -                 | \$ -             | -           | \$ -        |
| LQF TARIFF PURCHASE POWER                  | LQF TARIFF | 45,160            | \$ 940.10            | 45,160            | \$ 20.82         | -           | \$ -        |
| GREEN TARIFF BUSINESS SOLAR PURCHASE POWER | GTBS       | -                 | \$ 433.89            | -                 | \$ -             | -           | \$ -        |
| SOLAR SHARE PROGRAM                        | SSP        | -                 | \$ 320.46            | -                 | \$ -             | -           | \$ -        |
| SQF TARIFF PURCHASE POWER                  | SQF TARIFF | 24,095            | \$ 538.85            | 24,095            | \$ 22.36         | -           | \$ -        |
| LOUISVILLE GAS & ELECTRIC                  | LGE        | 37,662,000        | \$ 12,582.17         | 651,000           | \$ 19.33         | -           | \$ -        |
| OHIO VALLEY ELECTRIC CORPORATION           | OVEC       | 22,998,000        | \$ 576,826.57        | 22,998,000        | \$ 25.08         | -           | \$ -        |
| <b>Total Purchases</b>                     |            | <b>61,767,255</b> | <b>\$ 593,084.52</b> | <b>23,787,255</b> | <b>\$ 24.93</b>  | <b>\$ -</b> | <b>\$ -</b> |

\*19,967 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes  
\*14,752 kWh related to the Solar Share Program are included in generation for FAC purposes

| <b>Sales</b>                                   |            |                    |
|--|------------|--------------------|
| DYNASTY POWER, INC.                            | DYNASTYPWR | 520,000            |
| INDIANA MUNICIPAL POWER AGENCY                 | IMPA       | 313,000            |
| ENERGY IMBALANCE                               | IMBL       | 880,000            |
| MACQUARIECOOK                                  | MACQUARIE  | 2,732,000          |
| MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC. | MISO       | 32,619,000         |
| PJM INTERCONNECTION ASSOCIATION                | PJM        | 16,049,000         |
| RAINBOW ENERGY MARKETING CORP                  | REMC       | 119,000            |
| THE ENERGY AUTHORITY                           | TEA        | 209,000            |
| TENNESSEE VALLEY AUTHORITY                     | TVA        | 18,158,000         |
| LOUISVILLE GAS & ELECTRIC                      | LGE        | 175,456,000        |
| <b>Total Sales</b>                             |            | <b>247,055,000</b> |



Detailed Power Transaction Schedule  
Month Ended: July-31-2021

| Company                                    | KWH        | OSS Purchases     |                      |                   | Adj. From<br>Prior Month (\$) | Total Energy        |                        | Demand(\$)           | Other<br>Charges(\$) | Total<br>Charges(\$)   |
|--|------------|-------------------|----------------------|-------------------|-------------------------------|---------------------|------------------------|----------------------|----------------------|------------------------|
|  |            | Energy Cost (\$)  | KWH                  | \$/MWH            |                               | Charges (\$)        |                        |                      |                      |                        |
| <b>Purchases</b>                           |            |                   |                      |                   |                               |                     |                        |                      |                      |                        |
| EAST KENTUCKY POWER COOPERATIVE            | EKPC       | 11,000            | \$ 684.13            | 11,000            | \$ 62.19                      | \$ -                | \$ 684.13              | \$ -                 | \$ -                 | \$ 684.13              |
| ENERGY IMBALANCE                           | IMBL       | 818,000           | \$ 23,184.67         | 749,000           | \$ 30.95                      | \$ -                | \$ 24,627.15           | \$ -                 | \$ -                 | \$ 24,627.15           |
| TENNESSEE VALLEY AUTHORITY                 | TVA        | 209,000           | \$ 20,891.09         | 209,000           | \$ 99.96                      | \$ -                | \$ 20,891.09           | \$ -                 | \$ -                 | \$ 20,891.09           |
| LQF TARIFF PURCHASE POWER                  | LQF TARIFF | 45,160            | \$ -                 | -                 | \$ -                          | \$ -                | \$ 940.10              | \$ -                 | \$ -                 | \$ 940.10              |
| GREEN TARIFF BUSINESS SOLAR PURCHASE POWER | GTBS       | -                 | \$ -                 | -                 | \$ -                          | \$ -                | \$ 433.89              | \$ -                 | \$ -                 | \$ 433.89              |
| SOLAR SHARE PROGRAM                        | SSP        | -                 | \$ -                 | -                 | \$ -                          | \$ -                | \$ 320.46              | \$ -                 | \$ -                 | \$ 320.46              |
| SQF TARIFF PURCHASE POWER                  | SQF TARIFF | 24,095            | \$ -                 | -                 | \$ -                          | \$ -                | \$ 538.85              | \$ -                 | \$ -                 | \$ 538.85              |
| LOUISVILLE GAS & ELECTRIC                  | LGE        | 37,662,000        | \$ 810,835.54        | 37,011,000        | \$ 21.91                      | \$ -                | \$ 823,417.71          | \$ -                 | \$ 26,409.86         | \$ 849,827.57          |
| OHIO VALLEY ELECTRIC CORPORATION           | OVEC       | 22,998,000        | \$ -                 | -                 | \$ -                          | \$ 13,168.49        | \$ 589,995.06          | \$ 815,059.95        | \$ -                 | \$ 1,405,055.01        |
| <b>Total Purchases</b>                     |            | <b>61,767,255</b> | <b>\$ 855,595.43</b> | <b>37,980,000</b> | <b>\$ 22.53</b>               | <b>\$ 13,168.49</b> | <b>\$ 1,461,848.44</b> | <b>\$ 815,059.95</b> | <b>\$ 26,409.86</b>  | <b>\$ 2,303,318.25</b> |

\*19,967 kWh related to Green Tariff Business Solar Purchase Power are included in generation for FAC purposes

\*14,752 kWh related to the Solar Share Program are included in generation for FAC purposes

|  |            |                    |                      |                   |                 |             |                        |             |                        |                        |
|--|------------|--------------------|----------------------|-------------------|-----------------|-------------|------------------------|-------------|------------------------|------------------------|
| <b>Sales</b>                                   |            |                    |                      |                   |                 |             |                        |             |                        |                        |
| DYNASTY POWER, INC.                            | DYNASTYPWR | 520,000            | \$ 7,010.14          | 276,000           | \$ 25.40        | \$ -        | \$ 13,953.62           | \$ -        | \$ 12,195.76           | \$ 26,149.38           |
| INDIANA MUNICIPAL POWER AGENCY                 | IMPA       | 313,000            | \$ 4,225.89          | 166,000           | \$ 25.46        | \$ -        | \$ 8,411.59            | \$ -        | \$ 7,351.90            | \$ 15,763.49           |
| ENERGY IMBALANCE                               | IMBL       | 880,000            | \$ 7,167.39          | 466,000           | \$ 15.38        | \$ -        | \$ 14,266.62           | \$ -        | \$ 12,141.05           | \$ 26,407.67           |
| MACQUARIECOOK                                  | MACQUARIE  | 2,732,000          | \$ 34,868.49         | 1,450,000         | \$ 24.05        | \$ -        | \$ 69,405.38           | \$ -        | \$ 60,661.76           | \$ 130,067.14          |
| MIDCONTINENT INDEPENDENT SYSTEM OPERATOR, INC. | MISO       | 32,619,000         | \$ 355,724.74        | 17,303,000        | \$ 20.56        | \$ -        | \$ 708,066.55          | \$ -        | \$ 614,137.75          | \$ 1,322,204.30        |
| PJM INTERCONNECTION ASSOCIATION                | PJM        | 16,049,000         | \$ 180,369.53        | 8,513,000         | \$ 21.19        | \$ -        | \$ 359,023.75          | \$ -        | \$ 313,794.37          | \$ 672,818.12          |
| RAINBOW ENERGY MARKETING CORP                  | REMC       | 119,000            | \$ 1,146.34          | 63,000            | \$ 18.20        | \$ -        | \$ 2,281.78            | \$ -        | \$ 1,994.34            | \$ 4,276.12            |
| THE ENERGY AUTHORITY                           | TEA        | 209,000            | \$ 2,251.67          | 111,000           | \$ 20.29        | \$ -        | \$ 4,481.93            | \$ -        | \$ 3,917.30            | \$ 8,399.23            |
| TENNESSEE VALLEY AUTHORITY                     | TVA        | 18,158,000         | \$ 262,831.24        | 9,632,000         | \$ 27.29        | \$ -        | \$ 523,162.96          | \$ -        | \$ 457,255.52          | \$ 980,418.48          |
| LOUISVILLE GAS & ELECTRIC                      | LGE        | 175,456,000        | \$ -                 | -                 | \$ -            | \$ -        | \$ 3,620,156.79        | \$ -        | \$ 77.34               | \$ 3,620,234.13        |
| <b>Total Sales</b>                             |            | <b>247,055,000</b> | <b>\$ 855,595.43</b> | <b>37,980,000</b> | <b>\$ 22.53</b> | <b>\$ -</b> | <b>\$ 5,323,210.97</b> | <b>\$ -</b> | <b>\$ 1,483,527.09</b> | <b>\$ 6,806,738.06</b> |

|  | KWH         | \$              | \$/MWH |
|--|-------------|-----------------|--------|
| GENERATION FOR OSS                         | 33,619,000  | \$ 847,458.75   | 25.21  |
| GENERATION FOR INTERNAL ECONOMY TO LGE     | 175,375,000 | \$ 3,563,344.96 | 20.32  |
| GENERATION FOR INTERNAL REPLACEMENT TO LGE | 81,000      | \$ 1,593.51     | 19.67  |
| SPLIT SAVINGS                              |             | \$ 55,218.32    |        |
| SALES FROM INTERNAL GENERATION             | 209,075,000 | \$ 4,467,615.54 |        |
| SALES FROM OSS PURCHASES                   | 37,980,000  | \$ 855,595.43   | 22.53  |
|  | 247,055,000 | \$ 5,323,210.97 |        |
| ADJUSTMENTS FROM PRIOR MONTHS              | -           | \$ -            |        |
|  | 247,055,000 | \$ 5,323,210.97 |        |



**Kentucky Utilities  
Analysis Of Coal Purchased for Fuel Clause Backup  
Jul - 2021**

| 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)          |
| <b>E.W. Brown</b>                  |      |        |     |           |            |                  |               |                   |              |               |                     |              |                |               |             |             |              |
| <b>E.W. Brown High Sulfur Coal</b> |      |        |     |           |            |                  |               |                   |              |               |                     |              |                |               |             |             |              |
| <b>Long Term Contract</b>          |      |        |     |           |            |                  |               |                   |              |               |                     |              |                |               |             |             |              |
| Peabody COALSALLES LLC             | P    | J19003 | R   | S         | IN         | 11,208.95        | 11,076        | 22.152            | 39.66        | 179.06        | 10.19               | 45.99        | 49.85          | 225.05        | 2.95        | 9.74        | 14.19        |
| Peabody COALSALLES LLC             | P    | J21009 | R   | S         | IN         | 32,922.00        | 11,186        | 22.371            | 35.21        | 157.40        | 7.87                | 35.18        | 43.08          | 192.58        | 3.01        | 7.89        | 14.26        |
| <b>Total Long Term</b>             |      |        |     |           |            | <b>44,130.95</b> | <b>11,158</b> | <b>22.316</b>     | <b>36.34</b> | <b>162.86</b> | <b>8.46</b>         | <b>37.90</b> | <b>44.80</b>   | <b>200.76</b> | <b>3.00</b> | <b>8.36</b> | <b>14.24</b> |
| <b>Total E.W. Brown</b>            |      |        |     |           |            | <b>44,130.95</b> | <b>11,158</b> | <b>22.316</b>     | <b>36.34</b> | <b>162.86</b> | <b>8.46</b>         | <b>37.90</b> | <b>44.80</b>   | <b>200.76</b> | <b>3.00</b> | <b>8.36</b> | <b>14.24</b> |

(b) Designated by symbol  
P= Producer      D= Distributor  
B= Broker        U-Utility

(c) POCN = Purchase Order  
or Contract Number

(d) MT = Mode of Transportation1  
Designated by Symbol

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

**Kentucky Utilities  
Analysis Of Coal Purchased for Fuel Clause Backup  
Jul - 2021**

| 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)          |
| <b>Ghent</b>                        |      |         |     |           |            |                   |               |                   |              |               |                     |              |                |               |             |             |              |
| <b>Ghent High Sulfur Coal</b>       |      |         |     |           |            |                   |               |                   |              |               |                     |              |                |               |             |             |              |
| <b>Long Term Contract</b>           |      |         |     |           |            |                   |               |                   |              |               |                     |              |                |               |             |             |              |
| ACNR Coal Sales Inc                 | P    | J17004B | B   | U         | WV         | 10,493.30         | 12,679        | 25.359            | 42.55        | 167.81        | 5.29                | 20.86        | 47.84          | 188.67        | 3.75        | 8.81        | 6.43         |
| ACNR Coal Sales Inc                 | P    | J17004B | B   | U         | IL         | 74,010.42         | 12,014        | 24.029            | 44.41        | 184.83        | 4.39                | 18.28        | 48.80          | 203.11        | 2.74        | 8.44        | 9.15         |
| Alliance Coal LLC                   | P    | J21004  | B   | U         | WKY        | 1,635.87          | 11,620        | 23.240            | 39.60        | 170.39        | 4.12                | 17.73        | 43.72          | 188.12        | 2.87        | 8.98        | 11.27        |
| Alliance Coal LLC                   | P    | J21004  | B   | U         | WV         | 205,277.15        | 12,637        | 25.274            | 41.70        | 164.98        | 5.97                | 23.63        | 47.67          | 188.61        | 3.45        | 8.42        | 6.72         |
| Alliance Coal LLC                   | P    | J21010  | B   | U         | WKY        | 3,180.10          | 11,576        | 23.151            | 38.75        | 167.39        | 4.57                | 19.74        | 43.32          | 187.13        | 2.93        | 9.06        | 11.24        |
| Alpha Thermal Coal Sales a DBA of A | P    | J20001B | B   | U         | PA         | 27,050.10         | 12,923        | 25.846            | 40.41        | 156.37        | 10.17               | 39.32        | 50.58          | 195.69        | 2.77        | 8.65        | 6.34         |
| Foresight Coal Sales LLC            | P    | J21011  | B   | U         | IL         | 28,925.57         | 11,965        | 23.930            | 32.85        | 137.27        | 4.52                | 18.89        | 37.37          | 156.16        | 2.73        | 8.33        | 9.50         |
| Knight Hawk Coal LLC                | P    | J21001  | B   | U         | IL         | 14,563.13         | 11,208        | 22.415            | 37.43        | 167.00        | 8.78                | 39.17        | 46.21          | 206.17        | 3.13        | 9.39        | 12.16        |
| Western Kentucky Minerals Inc.      | P    | J20006  | B   | S         | WKY        | 30,514.50         | 11,035        | 22.069            | 42.29        | 191.63        | 3.68                | 16.69        | 45.97          | 208.32        | 3.15        | 10.60       | 13.18        |
| <b>Total Long Term</b>              |      |         |     |           |            | <b>395,650.14</b> | <b>12,303</b> | <b>24.606</b>     | <b>41.35</b> | <b>168.04</b> | <b>5.75</b>         | <b>23.36</b> | <b>47.10</b>   | <b>191.40</b> | <b>3.18</b> | <b>8.66</b> | <b>8.10</b>  |
| <b>Spot Contract</b>                |      |         |     |           |            |                   |               |                   |              |               |                     |              |                |               |             |             |              |
| Alliance Coal LLC                   | P    | J21027  | B   | U         | WKY        | 17,774.94         | 11,591        | 23.182            | 36.64        | 158.04        | 4.57                | 19.72        | 41.21          | 177.76        | 2.93        | 8.96        | 11.29        |
| Coal Network LLC                    | B    | J20024  | B   | U         | WKY        | 6,480.80          | 11,398        | 22.797            | 25.88        | 113.54        | 3.74                | 16.41        | 29.62          | 129.95        | 2.72        | 8.66        | 12.81        |
| <b>Total Spot</b>                   |      |         |     |           |            | <b>24,255.74</b>  | <b>11,539</b> | <b>23.079</b>     | <b>33.76</b> | <b>146.30</b> | <b>4.35</b>         | <b>18.84</b> | <b>38.11</b>   | <b>165.14</b> | <b>2.87</b> | <b>8.88</b> | <b>11.70</b> |
| <b>Total Ghent</b>                  |      |         |     |           |            | <b>419,905.88</b> | <b>12,259</b> | <b>24.518</b>     | <b>40.91</b> | <b>166.86</b> | <b>5.67</b>         | <b>23.11</b> | <b>46.58</b>   | <b>189.97</b> | <b>3.17</b> | <b>8.67</b> | <b>8.31</b>  |

(b) Designated by symbol  
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Designated by Symbol

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

**Kentucky Utilities  
Analysis Of Coal Purchased for Fuel Clause Backup  
Jul - 2021**

| 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)          |       |
| <b>Trimble County / KU</b>          |      |        |     |           |            |                   |               |                   |              |               |                     |               |                |               |             |             |              |       |
| <b>Trimble County / KU PRB Coal</b> |      |        |     |           |            |                   |               |                   |              |               |                     |               |                |               |             |             |              |       |
| <b>Long Term Contract</b>           |      |        |     |           |            |                   |               |                   |              |               |                     |               |                |               |             |             |              |       |
| Arch Coal Sales Company Inc.        | P    | J20002 | B/R | S         | WY         | 59,283.25         | 8,947         | 17.894            | 12.87        | 71.91         | 27.60               | 154.24        | 40.47          | 226.15        | 0.27        | 4.70        | 26.77        |       |
| <b>Total Long Term</b>              |      |        |     |           |            | <b>59,283.25</b>  | <b>8,947</b>  | <b>17.894</b>     | <b>12.87</b> | <b>71.91</b>  | <b>27.60</b>        | <b>154.24</b> | <b>40.47</b>   | <b>226.15</b> | <b>0.27</b> | <b>4.70</b> | <b>26.77</b> |       |
| <b>Total Trimble County / KU</b>    |      |        |     |           |            | <b>59,283.25</b>  | <b>8,947</b>  | <b>17.894</b>     | <b>12.87</b> | <b>71.91</b>  | <b>27.60</b>        | <b>154.24</b> | <b>40.47</b>   | <b>226.15</b> | <b>0.27</b> | <b>4.70</b> | <b>26.77</b> |       |
| <b>Total Kentucky Utilities</b>     |      |        |     |           |            | <b>523,320.08</b> | <b>11,791</b> | <b>23.582</b>     | <b>37.35</b> | <b>158.38</b> | <b>8.39</b>         | <b>35.56</b>  | <b>45.74</b>   | <b>193.94</b> | <b>2.82</b> | <b>8.19</b> | <b>10.90</b> |       |

(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

**KENTUCKY UTILITIES COMPANY**  
**ANALYSIS OF OTHER FUEL PURCHASES**  
**For the Month Ended: July 2021**

| <u>Fuel &amp; Supplier</u><br><b>(a)</b> | <u>P</u><br><b>(b)</b> | <u>O</u><br><b>(c)</b> | <u>M</u><br><b>(d)</b> | <u>Station</u><br><b>(e)</b> | <u>Gal. or</u><br><u>MCF</u><br><u>Purchased</u><br><b>(f)</b> | <u>BTU Per</u><br><u>Unit</u><br><b>(g)</b> | <u>Delivered</u><br><u>Cost (\$)</u><br><b>(h)</b> | <u>Cents</u><br><u>Per</u><br><u>MMBtu</u><br><b>(i)</b> | <u>%</u><br><u>Sulfur</u><br><b>(j)</b> |
|--|------------------------|------------------------|------------------------|------------------------------|--|---|--|--|---|
| <u>Oil</u>                               |                        |                        |                        |                              |  |   |  |  |   |
| Key Oil Company                          | D                      | J21014                 | T                      | EW Brown CTs                 | 36,458   | 0.140                                       | 80,427.27  | 1,575.73   | -                                       |
| <u>Natural Gas</u>                       |                        |                        |                        |                              |  |   |  |  |   |
| Kentucky Utilities                       | U                      | -                      | P                      | Haefling                     | -  | 0.000                                       | 74.85  | -  | -                                       |
| LG&E                                     | U                      | -                      | P                      | Paddy's Run                  | 24,779   | 1.065                                       | 212,539.92   | 805.41   | -                                       |
| LG&E                                     | U                      | -                      | P                      | Trimble County               | 492,940  | 1.065                                       | 3,059,043.34                                       | 582.70   | -                                       |
| LG&E                                     | U                      | -                      | P                      | Cane Run 7                   | 1,808,671  | 1.065                                       | 6,359,124.10                                       | 330.13   | -                                       |
| Kentucky Utilities                       | U                      | -                      | P                      | EW Brown CTs                 | 201,309 (1)  | 1.025                                       | 650,000.04 (1)                                     | 315.01   | -                                       |
| Total Natural Gas                        |                        |                        |                        |                              | <u>2,527,699</u>   | <u>1.062</u>                                | <u>10,280,782.25</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 LG&E.

**Company Name: Kentucky Utilities Company**

**Station Name - Unit Number: E.W. Brown**

**For the Month Ended: July 2021**

| <u>Line No.</u> | <u>Item Description</u>                                   | <u>Unit No. 3</u> | <u>Total Station</u> |
|-----------------|---|-------------------|----------------------|
| 1.              | Unit Performance:   |                   |                      |
| a.              | Capacity in MW (name plate rating)                        | 464               |                      |
| b.              | Capacity in MW (average load, 2c/3a)                      | 172.70            |                      |
| c.              | Net Demonstrated Capability in MW                         | 412               |                      |
| d.              | Net Capability Factor in Percent (1b/1c) (%)              | 42%               |                      |
| 2.              | Heat Rate:  |                   |                      |
| a.              | BTUs Consumed in MMBTU                                    | 1,496,920         |                      |
| b.              | Gross Generation in MWH                                   | 144,732           |                      |
| c.              | Net Generation in MWH                                     | 125,708           |                      |
| d.              | Heat Rate in BTU per KWH (2a/2c)                          | 11,908            |                      |
| 3.              | Operating Availability:                                   |                   |                      |
| a.              | Hours Unit was Operated                                   | 728               |                      |
| b.              | Hours Unit was Available                                  | 728               |                      |
| c.              | Hours During the Period                                   | 744               |                      |
| d.              | Availability Factor in Percent (3b/3c) (%)                | 98%               |                      |
| 4.              | Cost per KWH:   |                   |                      |
| a.              | Gross Generation - FAC Basis in Cents per Kwh             | 2.695             |                      |
| b.              | Net Generation - FAC Basis in Cents per Kwh               | 3.103             |                      |
| 5.              | Inventory Analysis:                                       |                   |                      |
| a.              | Number of Days Supply Based on Actual Burn at the Station |                   | 54                   |

**Company Name: Kentucky Utilities Company**

**Station Name - Unit Number: Ghent**

**For the Month Ended: July 2021**

| Line No. | Item Description  | Unit No. 1 | Unit No. 2 | Unit No. 3 | Unit No. 4 | Total Station |
|----------|---|------------|------------|------------|------------|---------------|
| 1.       | Unit Performance:   |            |            |            |            |               |
| a.       | Capacity in MW (name plate rating)                            | 557        | 556        | 557        | 556        |               |
| b.       | Capacity in MW (average load, 2c/3a)                          | 432        | 392        | 399        | 367        |               |
| c.       | Net Demonstrated Capability in MW                             | 475        | 485        | 481        | 478        |               |
| d.       | Net Capability Factor in Percent (1b/1c) (%)                  | 91%        | 81%        | 83%        | 77%        |               |
| 2.       | Heat Rate:  |            |            |            |            |               |
| a.       | BTUs Consumed in MMBTU  | 3,460,726  | 3,137,289  | 3,077,007  | 2,864,801  |               |
| b.       | Gross Generation in MWH                                       | 349,385    | 316,041    | 326,105    | 300,489    |               |
| c.       | Net Generation in MWH   | 321,752    | 291,710    | 297,004    | 273,236    |               |
| d.       | Heat Rate in BTU per KWH (2a/2c)                              | 10,756     | 10,755     | 10,360     | 10,485     |               |
| 3.       | Operating Availability:                                       |            |            |            |            |               |
| a.       | Hours Unit was Operated                                       | 744        | 744        | 744        | 744        |               |
| b.       | Hours Unit was Available                                      | 744        | 744        | 744        | 744        |               |
| c.       | Hours During the Period                                       | 744        | 744        | 744        | 744        |               |
| d.       | Availability Factor in Percent (3b/3c) (%)                    | 100%       | 100%       | 100%       | 100%       |               |
| 4.       | Cost per KWH:   |            |            |            |            |               |
| a.       | Gross Generation - FAC Basis in Cents per Kwh                 | 1.898      | 1.902      | 1.813      | 1.833      |               |
| b.       | Net Generation - FAC Basis in Cents per Kwh                   | 2.061      | 2.061      | 1.991      | 2.015      |               |
| 5.       | Inventory Analysis:   |            |            |            |            |               |
| a.       | Number of Days Supply Based on Actual Burn at the Station (1) |            |            |            |            | 38            |

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

Company Name: Kentucky Utilities Company

Station Name - Unit Number: Combustion Turbines

For the Month Ended: July 2021

| Line No. | Item Description  | Haefling Unit No. 1 | Haefling Unit No. 2 | E.W. Brown Unit No. 5 | E.W. Brown Unit No. 6 | E.W. Brown Unit No. 7 | E.W. Brown Unit No. 8 | E.W. Brown Unit No. 9 | E.W. Brown Unit No. 10 | E.W. Brown Unit No. 11 |
|----------|---|---------------------|---------------------|-----------------------|-----------------------|-----------------------|-----------------------|-----------------------|------------------------|------------------------|
| 1.       | Unit Performance:   |                     |                     |                       |                       |                       |                       |                       |                        |                        |
| a.       | Capacity in MW (name plate rating)                        | 21                  | 21                  | 123                   | 177                   | 177                   | 126                   | 126                   | 126                    | 126                    |
| b.       | Capacity in MW (average load, 2c/3a)                      | 9                   | 9                   | 61                    | 121                   | 119                   | 47                    | 57                    | 53                     | 31                     |
| c.       | Net Demonstrated Capability in MW                         | 12                  | 12                  | 130                   | 146                   | 146                   | 121                   | 121                   | 121                    | 121                    |
| d.       | Net Capability Factor in Percent (1b/1c) (%)              | 75%                 | 73%                 | 47%                   | 83%                   | 81%                   | 39%                   | 47%                   | 44%                    | 26%                    |
| 2.       | Heat Rate:  |                     |                     |                       |                       |                       |                       |                       |                        |                        |
| a.       | BTUs Consumed in MMBTU                                    | -                   | -                   | 28,564                | 95,123                | 107,624               | 11,493                | 25,745                | 11,205                 | 4,263                  |
| b.       | Gross Generation in MWH                                   | 11                  | 45                  | 1,970                 | 8,818                 | 9,903                 | 790                   | 1,990                 | 790                    | 279                    |
| c.       | Net Generation in MWH                                     | 9                   | 37                  | 1,791                 | 8,637                 | 9,676                 | 661                   | 1,855                 | 672                    | 168                    |
| d.       | Heat Rate in BTU per KWH (2a/2c)                          | -                   | -                   | 15,949                | 11,013                | 11,123                | 17,387                | 13,879                | 16,674                 | 25,375                 |
| 3.       | Operating Availability:                                   |                     |                     |                       |                       |                       |                       |                       |                        |                        |
| a.       | Hours Unit was Operated                                   | 1                   | 4                   | 29                    | 72                    | 82                    | 14                    | 33                    | 13                     | 5                      |
| b.       | Hours Unit was Available                                  | 722                 | 744                 | 578                   | 744                   | 744                   | 743                   | 743                   | 741                    | 743                    |
| c.       | Hours During the Period                                   | 744                 | 744                 | 744                   | 744                   | 744                   | 744                   | 744                   | 744                    | 744                    |
| d.       | Availability Factor in Percent (3b/3c) (%)                | 97%                 | 100%                | 78%                   | 100%                  | 100%                  | 100%                  | 100%                  | 100%                   | 100%                   |
| 4.       | Cost per KWH:   |                     |                     |                       |                       |                       |                       |                       |                        |                        |
| a.       | Gross Generation - FAC Basis in Cents per Kwh             | 0.680               | -                   | 7.327                 | 5.451                 | 5.492                 | 7.352                 | 6.537                 | 7.168                  | 7.721                  |
| b.       | Net Generation - FAC Basis in Cents per Kwh               | 0.832               | -                   | 8.059                 | 5.565                 | 5.621                 | 8.787                 | 7.013                 | 8.426                  | 12.823                 |
| 5.       | Inventory Analysis:                                       |                     |                     |                       |                       |                       |                       |                       |                        |                        |
| a.       | Number of Days Supply Based on Actual Burn at the Station |                     |                     |                       |                       | NOT APPLICABLE        |                       |                       |                        |                        |

Brown CT 5, 6 and 7 are jointly owned by Louisville Gas and Electric Company (LG&E) and Kentucky Utilities (KU). KU will report 100% of the operating data for the CTs.

Paddy's Run GT-13 is jointly owned by Louisville Gas and Electric Company and Kentucky Utilities. LG&E will report 100% of the operating data for Paddy's Run.

Trimble County 5, 6, 7, 8, 9 and 10 are jointly owned by Louisville Gas and Electric Company and Kentucky Utilities. LG&E will report 100% of the operating data for Trimble County.

## Adjustments for Purchases Above KU/LGE Highest Priced Units (JULY 2021)

### Cost Components of Highest Priced Units:

| UNIT NAME     | (1)<br>FULL<br>LOAD HR<br><small>(BTU/KWH)</small> | (2)<br>FUEL COST<br><small>(¢/MBTU)</small> | (3)<br>CONSUMABLES<br><small>(\$/MWH)</small> | (4)<br>SO2<br>ADDER<br><small>(\$/MWH)</small> | (5)<br>SCR<br>CONSUME<br><small>(\$/MWH)</small> | (6)<br>NOx<br>ADDER<br><small>(\$/MWH)</small> | (7)<br>Hg<br>CONSUME<br><small>(\$/MWH)</small> | (8)<br>DISPATCH<br>COST<br><small>(\$/MWH)</small> | (6)=(3)+(4)+(5)<br>Maint<br>V O&M<br><small>(\$/MWH)</small> | (7)<br>TOTAL<br>PRICE<br><small>(\$/MWH)</small> | (8)=(6)+(7) |
|---------------|--|---|---|--|--|--|---|--|--|--|-------------|
| PADDYS RUN 12 | 17,692   | 350.00                                      | 61.92   | 0.00   | 0.00   |  | 1.37  |  | 63.30  | N/A  | N/A         |
| HAEFLING      | 17,765   | 643.00                                      | 114.23  | 0.00   | 0.00   |  | 1.38  |  | 115.61   | N/A  | N/A         |

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

| MM/DD/YY Hr    | Purchase<br>From | Cost \$   | MWh<br>Purch | Cost<br>\$/MWh | Excluded Amount Prior to FO<br>Calculation<br>\$/MWh | Excluded in<br>FO<br>Calculation?<br>\$ | Excluded in<br>FO<br>Calculation?<br>\$ | Additional<br>Exclusion<br>For FAC<br>\$ | PADDYS RUN 12<br>Available ? |
|----------------|------------------|-----------|--------------|----------------|--|---|---|--|------------------------------|
| 1 7/27/21 HE17 | TVA              | \$ 600.00 | 6            | \$ 100.00      | \$ 38.08   | \$ 228.47                               | \$0.00                                  | \$ 228.47                                | Yes                          |
| 2              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 3              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 4              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 5              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 6              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 7              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 8              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 9              |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 10             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 11             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 12             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 13             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 14             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 15             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 16             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 17             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 18             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 19             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 20             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 21             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 22             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 23             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 24             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| 25             |                  |           |              |                |  |   | Yes \$                                  | -  | Yes                          |
| LG&E Total     |                  |           |              |                |  | \$ 228.47                               | \$0.00                                  | \$ 228.47                                |                              |

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

| MM/DD/YY Hr | Purchase<br>From | Cost \$ | MWh<br>Purch | Cost<br>\$/MWh | Excluded<br>Amount<br>\$/MWh | Excluded in<br>FO<br>Calculation?<br>\$ | Excluded in<br>FO<br>Calculation?<br>\$ | Additional<br>Exclusion<br>For FAC<br>\$ | HAEFLING<br>Available ? |
|-------------|------------------|---------|--------------|----------------|------------------------------|---|---|--|-------------------------|
| 1           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 2           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 3           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 4           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 5           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 6           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 7           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 8           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 9           |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 10          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 11          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 12          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 13          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 14          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 15          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 16          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 17          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 18          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 19          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 20          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 21          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 22          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 23          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 24          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| 25          |                  |         |              |                |                              |   | Yes \$                                  | -  | Yes                     |
| KU Total    |                  |         |              |                |                              | \$ -                                    | \$0.00                                  | \$ -                                     |                         |



## OFF-SYSTEM SALES - ELECTRIC

| Electric Off-System Sales        | LG&E                        | KU (Consolidated)           |
|----------------------------------|-----------------------------|-----------------------------|
|                                  | MTD Current Year<br>July-21 | MTD Current Year<br>July-21 |
| Revenue                          |                             |                             |
| External Sales                   | \$ 179,565                  | \$ 3,186,499                |
| Internal Sales                   | \$ 837,245                  | \$ 1,671                    |
| Total                            | \$ 1,016,810                | \$ 3,188,170                |
| External Expenses                |                             |                             |
| Fuel                             | \$ (69,997)                 | \$ (847,459)                |
| Purchase Power                   | \$ (2,912)                  | \$ (45,510)                 |
| ECR Consumables                  | \$ -                        | \$ -                        |
| Other Consumables                | \$ (2,769)                  | \$ (19,012)                 |
| Transmission                     | \$ (51)                     | \$ (932)                    |
| RTO Costs                        | \$ (572)                    | \$ (10,234)                 |
| Inter-System Losses              | \$ (369)                    | \$ (8,515)                  |
| Internal Expenses                |                             |                             |
| Fuel                             | \$ (810,836)                | \$ (1,594)                  |
| Purchase Power                   | \$ (1,671)                  | \$ (837,245)                |
| Other Consumables                | \$ (26,410)                 | \$ (77)                     |
| Transmission                     | \$ (22,953)                 | \$ (475,274)                |
| Total                            | \$ (938,539)                | \$ (2,245,853)              |
| Electric Off-System Sales Margin | \$ 78,271                   | \$ 942,317                  |
| OSS Margin - Jurisdictional      | \$ 58,704                   | \$ 667,743                  |
| OSS Margin - Non-Jurisdictional  | \$ -                        | \$ 38,995                   |
| OSS Margin - Utility Share       | \$ 19,568                   | \$ 235,579                  |

**SEEM Formation and Participation Costs**

**Expense Month: July 2021**

| <u>Item Description</u>   | <u>LG&amp;E</u> | <u>KU</u>        |
|---|-----------------|------------------|
| Administrative and legal expenses associated with the FERC proceeding | \$ 56,805       | \$ 61,538        |
| Costs of SEEM formation and participation                             | <u>\$ 9,561</u> | <u>\$ 12,697</u> |
| Total Costs   | \$ 66,366       | \$ 74,236        |

Note: The July 2021 expense month filing includes the cumulative costs incurred to date. Beginning with the August 2021 expense month filing, only current costs incurred during the applicable expense month will be included.