



Company

EAST KENTUCKY POWER COOPERATIVE, INC.
POWER TRANSACTION SCHEDULE

Month Ended AUGUST 2021

Billing Components

| <u>Company</u> | <u>Type of Transaction</u> | <u>KWH</u> | <u>Fuel Charges (\$)</u> | <u>Margin(+) or Loss (-)</u> | <u>Total Charges (\$)</u> |
|---|----------------------------|--------------------------|--------------------------|----------------------------------|---------------------------|
| <u>Purchases</u> | | | | | |
| Cox Interior | Qualifying Facility | 26,329 | 1,250 | | 1,250 |
| Lock 7 Generator | Qualifying Facility | 956,508 | 43,158 | | 43,158 |
| National Guard Armory | Qualifying Facility | 2,178 | 132 | | 132 |
| PJM | Economy | 69,814,000 | 2,826,519 | | 2,826,519 |
| Southeast Power | Qualifying Facility | 21,871,000 | 289,528 | | 289,528 |
| | | - | - | | - |
| | | | | | |
| Coops | Buy Thru(Coops) | (2,410,580) | (416,087) | | (416,087) |
| Saloma & Cranston | Compressor Facility | (26,717,780) | (541,935) | | (541,935) |
| Fuel Cost Credit (per Case No. 2000-00496-B) | | - | (9,679) | | (9,679) |
| Less LF/REG (Gallatin Special Contract) | | | 1,095 | | 1,095 |
| | | | | | |
| TOTAL | | <u>63,541,655</u> | <u>2,193,981</u> | - | <u>2,193,981</u> |



Company

EAST KENTUCKY POWER COOPERATIVE, INC.
POWER TRANSACTION SCHEDULE

Month Ended

AUGUST 2021

Billing Components

| <u>Company Sales</u> | <u>Type of Transaction</u> | <u>KWH</u> | <u>Fuel Charges (\$)</u> | <u>Margin(+) or Loss (-)</u> | <u>Total Charges (\$)</u> |
|----------------------|----------------------------|--------------------------|--------------------------|------------------------------|---------------------------|
| LG&E | Economy | 21,000 | 700 | 1,123 | 1,823 |
| PJM | Economy | 91,312,000 | 3,112,046 | 3,038,602 | 6,150,648 |
| TOTAL | | <u>91,333,000</u> | <u>3,112,746</u> | <u>3,039,725</u> | <u>6,152,471</u> |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Cooper Unit 1

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 100.00 |
| b. | Capacity (average load) (MW) | 72.70 |
| c. | Net Demonstrated Capacity (MW) | 116.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 62.67 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 223,104 |
| b. | Gross Generation (MWH) | 22,102 |
| c. | Net Generation (MWH) | 20,137 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 11,079 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 277 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 25 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 25 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 25 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Cooper Unit 2

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 220.85 |
| b. | Capacity (average load) (MW) | 152.43 |
| c. | Net Demonstrated Capacity (MW) | 225.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 67.75 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 688,553 |
| b. | Gross Generation (MWH) | 69,030 |
| c. | Net Generation (MWH) | 62,192 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 11,071 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 408 |
| b. | Hours Available | 742 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 99.73 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 25 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 25 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 25 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Spurlock Unit 1

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 340.28 |
| b. | Capacity (average load) (MW) | 290.67 |
| c. | Net Demonstrated Capacity (MW) | 300.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 96.89 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 2,278,883 |
| b. | Gross Generation (MWH) | 230,346 |
| c. | Net Generation (MWH) | 212,191 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,740 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 730 |
| b. | Hours Available | 730 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 98.12 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 26 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 26 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 26 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Spurlock Unit 2

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 585.77 |
| b. | Capacity (average load) (MW) | 467.34 |
| c. | Net Demonstrated Capacity (MW) | 510.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 91.64 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 3,616,567 |
| b. | Gross Generation (MWH) | 376,903 |
| c. | Net Generation (MWH) | 347,700 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,401 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 744 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 26 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 26 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 26 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Gilbert Unit 3

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 294.00 |
| b. | Capacity (average load) (MW) | 267.02 |
| c. | Net Demonstrated Capacity (MW) | 268.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 99.63 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 1,849,626 |
| b. | Gross Generation (MWH) | 221,562 |
| c. | Net Generation (MWH) | 198,663 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 9,311 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 744 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 27 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 27 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 27 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Spurlock Unit 4

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 298.00 |
| b. | Capacity (average load) (MW) | 263.80 |
| c. | Net Demonstrated Capacity (MW) | 268.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 98.43 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 1,979,024 |
| b. | Gross Generation (MWH) | 220,613 |
| c. | Net Generation (MWH) | 196,264 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,083 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 744 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 26 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 26 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 26 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 1

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 110.50 * |
| b. | Capacity (average load) (MW) | 94.76 |
| c. | Net Demonstrated Capacity (MW) | 104.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 91.12 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 167,123 |
| b. | Gross Generation (MWH) | 12,660 |
| c. | Net Generation (MWH) | 12,508 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 13,361 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 132 |
| b. | Hours Available | 742 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 99.73 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 2

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 110.50 * |
| b. | Capacity (average load) (MW) | 93.92 |
| c. | Net Demonstrated Capacity (MW) | 104.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 90.31 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 162,463 |
| b. | Gross Generation (MWH) | 11,986 |
| c. | Net Generation (MWH) | 11,834 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 13,728 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 126 |
| b. | Hours Available | 737 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 99.06 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 3

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 110.50 * |
| b. | Capacity (average load) (MW) | 93.59 |
| c. | Net Demonstrated Capacity (MW) | 104.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 89.99 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 167,996 |
| b. | Gross Generation (MWH) | 12,600 |
| c. | Net Generation (MWH) | 12,448 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 13,496 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 133 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 4

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 72.90 * |
| b. | Capacity (average load) (MW) | 60.54 |
| c. | Net Demonstrated Capacity (MW) | 74.13 |
| d. | Net Capability Factor (L1b / L1c) (%) | 81.67 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 83,403 |
| b. | Gross Generation (MWH) | 6,327 |
| c. | Net Generation (MWH) | 6,175 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 13,507 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 102 |
| b. | Hours Available | 740 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 99.46 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 5

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 72.90 * |
| b. | Capacity (average load) (MW) | 59.24 |
| c. | Net Demonstrated Capacity (MW) | 74.13 |
| d. | Net Capability Factor (L1b / L1c) (%) | 79.91 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 77,635 |
| b. | Gross Generation (MWH) | 6,017 |
| c. | Net Generation (MWH) | 5,865 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 13,237 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 99 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 6

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 72.90 * |
| b. | Capacity (average load) (MW) | 59.83 |
| c. | Net Demonstrated Capacity (MW) | 74.13 |
| d. | Net Capability Factor (L1b / L1c) (%) | 80.71 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 80,195 |
| b. | Gross Generation (MWH) | 6,362 |
| c. | Net Generation (MWH) | 6,282 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 12,766 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 105 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 7

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 72.90 * |
| b. | Capacity (average load) (MW) | 60.16 |
| c. | Net Demonstrated Capacity (MW) | 74.13 |
| d. | Net Capability Factor (L1b / L1c) (%) | 81.15 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 77,906 |
| b. | Gross Generation (MWH) | 6,108 |
| c. | Net Generation (MWH) | 6,016 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 12,950 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 100 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 9

For the Month
of:

AUGUST 2021

Line
No.

Item Description

| | | |
|----|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 85.00 * |
| b. | Capacity (average load) (MW) | 60.35 |
| c. | Net Demonstrated Capacity (MW) | 88.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 68.58 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 190,324 |
| b. | Gross Generation (MWH) | 19,303 |
| c. | Net Generation (MWH) | 18,467 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,306 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 306 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Smith Unit 10

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 85.00 * |
| b. | Capacity (average load) (MW) | 64.44 |
| c. | Net Demonstrated Capacity (MW) | 88.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 73.23 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 203,304 |
| b. | Gross Generation (MWH) | 20,485 |
| c. | Net Generation (MWH) | 19,653 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,345 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 305 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 28 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 28 of Appendix A) |

* Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Bavarian Landfill Generating Units

For the Month AUGUST 2021
of:

| <u>Line No.</u> | <u>Item Description</u> | |
|-----------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 4.80 |
| b. | Capacity (average load) (MW) | 4.30 |
| c. | Net Demonstrated Capacity (MW) | 4.60 |
| d. | Net Capability Factor (L1b / L1c) (%) | 93.48 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 24,567 |
| b. | Gross Generation (MWH) | 2,016 |
| c. | Net Generation (MWH) | 1,957 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 12,554 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 575 |
| b. | Hours Available | 575 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 77.28 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | |
| b. | Net Generation - FAC Basis (cents / KWH) | (See Page 29 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See Page 29 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Laurel Ridge Landfill Generating Units

For the Month AUGUST 2021
of:

| <u>Line No.</u> | <u>Item Description</u> | |
|-----------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 3.20 |
| b. | Capacity (average load) (MW) | 2.11 |
| c. | Net Demonstrated Capacity (MW) | 3.20 |
| d. | Net Capability Factor (L1b / L1c) (%) | 65.94 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 12,404 |
| b. | Gross Generation (MWH) | 1,079 |
| c. | Net Generation (MWH) | 1,021 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 12,149 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 483 |
| b. | Hours Available | 739 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 99.33 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | |
| b. | Net Generation - FAC Basis (cents / KWH) | (See Page 30 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See Page 30 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Green Valley Landfill Generating Units

For the Month AUGUST 2021
of:

| <u>Line No.</u> | <u>Item Description</u> | |
|-----------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 2.40 |
| b. | Capacity (average load) (MW) | 2.05 |
| c. | Net Demonstrated Capacity (MW) | 2.40 |
| d. | Net Capability Factor (L1b / L1c) (%) | 85.42 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 16,979 |
| b. | Gross Generation (MWH) | 1,525 |
| c. | Net Generation (MWH) | 1,476 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 11,504 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 722 |
| b. | Hours Available | 725 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 97.45 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | |
| b. | Net Generation - FAC Basis (cents / KWH) | (See Page 31 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See Page 31 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Hardin Co. Generating Units

For the Month AUGUST 2021
of:

| <u>Line No.</u> | <u>Item Description</u> | |
|-----------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 2.40 |
| b. | Capacity (average load) (MW) | 1.65 |
| c. | Net Demonstrated Capacity (MW) | 2.40 |
| d. | Net Capability Factor (L1b / L1c) (%) | 68.75 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 9,943 |
| b. | Gross Generation (MWH) | 829 |
| c. | Net Generation (MWH) | 658 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 15,111 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 400 |
| b. | Hours Available | 639 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 85.89 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | |
| b. | Net Generation - FAC Basis (cents / KWH) | (See Page 32 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See Page 32 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Pendleton Co. Generating Units

For the Month AUGUST 2021
of:

| <u>Line No.</u> | <u>Item Description</u> | |
|-----------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 3.20 |
| b. | Capacity (average load) (MW) | 2.92 |
| c. | Net Demonstrated Capacity (MW) | 3.20 |
| d. | Net Capability Factor (L1b / L1c) (%) | 91.25 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 25,275 |
| b. | Gross Generation (MWH) | 2,124 |
| c. | Net Generation (MWH) | 2,084 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 12,128 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 713 |
| b. | Hours Available | 713 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 95.83 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | |
| b. | Net Generation - FAC Basis (cents / KWH) | (See Page 33 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See Page 33 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Glasgow Landfill Generating Unit

For the Month AUGUST 2021
of:

| <u>Line No.</u> | <u>Item Description</u> | |
|-----------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 1.00 |
| b. | Capacity (average load) (MW) | 0.61 |
| c. | Net Demonstrated Capacity (MW) | 0.90 |
| d. | Net Capability Factor (L1b / L1c) (%) | 67.78 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 5,724 |
| b. | Gross Generation (MWH) | 468 |
| c. | Net Generation (MWH) | 443 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 12,921 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 726 |
| b. | Hours Available | 734 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 98.66 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | |
| b. | Net Generation - FAC Basis (cents / KWH) | (See Page 34 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See Page 34 of Appendix A) |

* Unit is leased to Farmers RECC with a PPA through December 2025.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit

Bluegrass Station Unit 1

Number:

For the Month

AUGUST 2021

of:

Line

No.

Item Description

| | | |
|----|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 208.00 |
| b. | Capacity (average load) (MW) | 147.50 |
| c. | Net Demonstrated Capacity (MW) | 165.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 89.39 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 214,142 |
| b. | Gross Generation (MWH) | 20,381 |
| c. | Net Generation (MWH) | 20,207 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,597 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 137 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 35 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 35 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 35 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Bluegrass Station Unit 2

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 208.00 |
| b. | Capacity (average load) (MW) | 148.17 |
| c. | Net Demonstrated Capacity (MW) | 165.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 89.80 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 249,020 |
| b. | Gross Generation (MWH) | 23,777 |
| c. | Net Generation (MWH) | 23,559 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,570 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 159 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 35 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 35 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 35 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit
Number:

Bluegrass Station Unit 3

For the Month
of:

AUGUST 2021

| <u>Line</u> <u>No.</u> | <u>Item Description</u> | |
|---------------------------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | 208.00 |
| b. | Capacity (average load) (MW) | 152.03 |
| c. | Net Demonstrated Capacity (MW) | 165.00 |
| d. | Net Capability Factor (L1b / L1c) (%) | 92.14 |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | 62,157 |
| b. | Gross Generation (MWH) | 5,960 |
| c. | Net Generation (MWH) | 5,929 |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | 10,484 |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | 39 |
| b. | Hours Available | 744 |
| c. | Hours During the Period | 744 |
| d. | Availability Factor (L3b / L3c) (%) | 100.00 |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents / KWH) | (See page 35 of Appendix A) |
| b. | Net Generation - FAC Basis (cents / KWH) | (See page 35 of Appendix A) |
| 5. | <u>Inventory Analysis:</u> | |
| a. | Number of Days Supply based on actual burn at the station | (See page 35 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Cooper 1 & 2

For the Month of: AUGUST 2021

Item Description

Line

No.

Unit Performance:

- | | | | |
|----|----|---------------------------------------|---------------------------------|
| 1. | a. | Capacity (name plate rating) (MW) | |
| | b. | Capacity (average load) (MW) | |
| | c. | Net Demonstrated Capacity (MW) | |
| | d. | Net Capability Factor (L1b / L1c) (%) | (See pages 1 - 2 of Appendix A) |

Heat Rate:

- | | | | |
|----|----|-----------------------------------|---------------------------------|
| 2. | a. | BTU's Consumed (MMBTU) | |
| | b. | Gross Generation (MWH) | |
| | c. | Net Generation (MWH) | |
| | d. | Heat Rate (L2a / L2c) (BTU / KWH) | (See pages 1 - 2 of Appendix A) |

Operating Availability:

- | | | | |
|----|----|-------------------------------------|---------------------------------|
| 3. | a. | Hours Unit Operated | |
| | b. | Hours Available | |
| | c. | Hours During the Period | |
| | d. | Availability Factor (L3b / L3c) (%) | (See pages 1 - 2 of Appendix A) |

Cost per KWH:

- | | | | |
|----|----|---|-------|
| 4. | a. | Gross Generation - FAC Basis (cents /KWH) | 3.075 |
| | b. | Net Generation - FAC Basis (cents / KWH) | 3.403 |

Inventory Analysis:

- | | | | |
|----|----|---|----|
| 5. | a. | Number of Days Supply based on actual burn at the station | 19 |
|----|----|---|----|

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Spurlock 1 & 2 & 4

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | |
|----------|--|-----------------------------------|
| 1. | <u>Unit Performance:</u> | |
| | a. Capacity (name plate rating) (MW) | |
| | b. Capacity (average load) (MW) | |
| | c. Net Demonstrated Capacity (MW) | |
| | d. Net Capability Factor (L1b / L1c) (%) | (See pages 3, 4, 6 of Appendix A) |
| 2. | <u>Heat Rate:</u> | |
| | a. BTU's Consumed (MMBTU) | |
| | b. Gross Generation (MWH) | |
| | c. Net Generation (MWH) | |
| | d. Heat Rate (L2a / L2c) (BTU / KWH) | (See pages 3, 4, 6 of Appendix A) |
| 3. | <u>Operating Availability:</u> | |
| | a. Hours Unit Operated | |
| | b. Hours Available | |
| | c. Hours During the Period | |
| | d. Availability Factor (L3b / L3c) (%) | (See pages 3, 4, 6 of Appendix A) |
| 4. | <u>Cost per KWH:</u> | |
| | a. Gross Generation - FAC Basis (cents / KWH) | 1.750 |
| | b. Net Generation - FAC Basis (cents / KWH) | 1.890 |
| 5. | <u>Inventory Analysis:</u> | |
| | a. Number of Days Supply based on actual burn at the stations for Spurlock 1 & 2 and Gilbert | 26 |

Company Name: East Kentucky Power Cooperative, Inc.

Format 1

Station Name - Unit Number: Gilbert Unit 3

For the Month of: AUGUST 2021

| Line No. | | <u>Item Description</u> | |
|----------|----|---|-----------------------------|
| | | <u>Unit Performance:</u> | |
| 1. | a. | Capacity (name plate rating) (MW) | |
| | b. | Capacity (average load) (MW) | |
| | c. | Net Demonstrated Capacity (MW) | |
| | d. | Net Capability Factor (L1b / L1c) (%) | (See page 5 of Appendix A) |
| | | <u>Heat Rate:</u> | |
| 2. | a. | BTU's Consumed (MMBTU) | |
| | b. | Gross Generation (MWH) | |
| | c. | Net Generation (MWH) | |
| | d. | Heat Rate (L2a / L2c) (BTU / KWH) | (See page 5 of Appendix A) |
| | | <u>Operating Availability:</u> | |
| 3. | a. | Hours Unit Operated | |
| | b. | Hours Available | |
| | c. | Hours During the Period | |
| | d. | Availability Factor (L3b / L3c) (%) | (See page 5 of Appendix A) |
| | | <u>Cost per KWH:</u> | |
| 4. | a. | Gross Generation - FAC Basis (cents /KWH) | 1.521 |
| | b. | Net Generation - FAC Basis (cents / KWH) | 1.697 |
| | | <u>Inventory Analysis:</u> | |
| 5. | a. | Number of Days Supply based on actual burn at the station | (See page 26 of Appendix A) |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: J. K. Smith Combustion Turbine 1, 2, 3, 4, 5, 6, 7, 9, 10

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | |
|-------------|--|--------------------------------|
| 1. | <u>Unit Performance:</u> | |
| | a. Capacity (name plate rating) (MW) | |
| | b. Capacity (average load) (MW) | |
| | c. Net Demonstrated Capacity (MW) | |
| | d. Net Capability Factor (L1b / L1c) (%) | (See page 7- 15 of Appendix A) |
| 2. | <u>Heat Rate:</u> | |
| | a. BTU's Consumed (MMBTU) | |
| | b. Gross Generation (MWH) | |
| | c. Net Generation (MWH) | |
| | d. Heat Rate (L2a / L2c) (BTU / KWH) | (See page 7- 15 of Appendix A) |
| 3. | <u>Operating Availability:</u> | |
| | a. Hours Unit Operated | |
| | b. Hours Available | |
| | c. Hours During the Period | |
| | d. Availability Factor (L3b / L3c) (%) | (See page 7- 15 of Appendix A) |
| 4. | <u>Cost per KWH:</u> | |
| | a. Gross Generation - FAC Basis (cents /KWH) | 4.754 |
| | b. Net Generation - FAC Basis (cents / KWH) | 4.878 |
| 5. | <u>Inventory Analysis</u> | |
| | a. Number of Hours Supply based on actual burn at the station | 43 |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Bavarian Landfill Generating Units

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | | |
|-------------|--|-----------------------------|-------|
| 1. | <u>Unit Performance:</u> | | |
| | a. Capacity (name plate rating) (MW) | | |
| | b. Capacity (average load) (MW) | | |
| | c. Net Demonstrated Capacity (MW) | | |
| | d. Net Capability Factor (L1b / L1c) (%) | (See page 16 of Appendix A) | |
| 2. | <u>Heat Rate:</u> | | |
| | a. BTU's Consumed (MMBTU) | | |
| | b. Gross Generation (MWH) | | |
| | c. Net Generation (MWH) | | |
| | d. Heat Rate (L2a / L2c) (BTU / KWH) | (See page 16 of Appendix A) | |
| 3. | <u>Operating Availability:</u> | | |
| | a. Hours Unit Operated | | |
| | b. Hours Available | | |
| | c. Hours During the Period | | |
| | d. Availability Factor (L3b / L3c) (%) | (See page 16 of Appendix A) | |
| 4. | <u>Cost per KWH:</u> | | |
| | a. Gross Generation - FAC Basis (cents /KWH) | | 0.796 |
| | b. Net Generation - FAC Basis (cents / KWH) | | 0.796 |
| 5. | <u>Inventory Analysis</u> | | |
| | a. Number of Hours Supply based on actual burn at the station | | N/A |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Laurel Ridge Landfill Generating Units

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | | |
|-------------|--|-----------------------------|-------|
| 1. | <u>Unit Performance:</u> | | |
| | a. Capacity (name plate rating) (MW) | | |
| | b. Capacity (average load) (MW) | | |
| | c. Net Demonstrated Capacity (MW) | | |
| | d. Net Capability Factor (L1b / L1c) (%) | (See page 17 of Appendix A) | |
| 2. | <u>Heat Rate:</u> | | |
| | a. BTU's Consumed (MMBTU) | | |
| | b. Gross Generation (MWH) | | |
| | c. Net Generation (MWH) | | |
| | d. Heat Rate (L2a / L2c) (BTU / KWH) | (See page 17 of Appendix A) | |
| 3. | <u>Operating Availability:</u> | | |
| | a. Hours Unit Operated | | |
| | b. Hours Available | | |
| | c. Hours During the Period | | |
| | d. Availability Factor (L3b / L3c) (%) | (See page 17 of Appendix A) | |
| 4. | <u>Cost per KWH:</u> | | |
| | a. Gross Generation - FAC Basis (cents /KWH) | | 0.796 |
| | b. Net Generation - FAC Basis (cents / KWH) | | 0.796 |
| 5. | <u>Inventory Analysis</u> | | |
| | a. Number of Hours Supply based on actual burn at the station | | N/A |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Green Valley Landfill Generating Units

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | |
|-------------|---|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | |
| b. | Capacity (average load) (MW) | |
| c. | Net Demonstrated Capacity (MW) | |
| d. | Net Capability Factor (L1b / L1c) (%) | (See page 18 of Appendix A) |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | |
| b. | Gross Generation (MWH) | |
| c. | Net Generation (MWH) | |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | (See page 18 of Appendix A) |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | |
| b. | Hours Available | |
| c. | Hours During the Period | |
| d. | Availability Factor (L3b / L3c) (%) | (See page 18 of Appendix A) |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents /KWH) | 0.796 |
| b. | Net Generation - FAC Basis (cents / KWH) | 0.796 |
| 5. | <u>Inventory Analysis</u> | |
| a. | Number of Hours Supply based on actual burn at the station | N/A |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Hardin County Landfill Generating Units

For the Month of: AUGUST 2021

| Line No. | Item Description | |
|----------|--|-----------------------------|
| 1. | <u>Unit Performance:</u> | |
| a. | Capacity (name plate rating) (MW) | |
| b. | Capacity (average load) (MW) | |
| c. | Net Demonstrated Capacity (MW) | |
| d. | Net Capability Factor (L1b / L1c) (%) | (See page 19 of Appendix A) |
| 2. | <u>Heat Rate:</u> | |
| a. | BTU's Consumed (MMBTU) | |
| b. | Gross Generation (MWH) | |
| c. | Net Generation (MWH) | |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | (See page 19 of Appendix A) |
| 3. | <u>Operating Availability:</u> | |
| a. | Hours Unit Operated | |
| b. | Hours Available | |
| c. | Hours During the Period | |
| d. | Availability Factor (L3b / L3c) (%) | (See page 19 of Appendix A) |
| 4. | <u>Cost per KWH:</u> | |
| a. | Gross Generation - FAC Basis (cents /KWH) | 0.796 |
| b. | Net Generation - FAC Basis (cents / KWH) | 0.796 |
| 5. | <u>Inventory Analysis</u> | |
| a. | Number of Hours Supply based on actual burn at the station | N/A |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Pendleton County Landfill Generating Units

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | | |
|-------------|--|-----------------------------|-------|
| 1. | <u>Unit Performance:</u> | | |
| | a. Capacity (name plate rating) (MW) | | |
| | b. Capacity (average load) (MW) | | |
| | c. Net Demonstrated Capacity (MW) | | |
| | d. Net Capability Factor (L1b / L1c) (%) | (See page 20 of Appendix A) | |
| 2. | <u>Heat Rate:</u> | | |
| | a. BTU's Consumed (MMBTU) | | |
| | b. Gross Generation (MWH) | | |
| | c. Net Generation (MWH) | | |
| | d. Heat Rate (L2a / L2c) (BTU / KWH) | (See page 20 of Appendix A) | |
| 3. | <u>Operating Availability:</u> | | |
| | a. Hours Unit Operated | | |
| | b. Hours Available | | |
| | c. Hours During the Period | | |
| | d. Availability Factor (L3b / L3c) (%) | (See page 20 of Appendix A) | |
| 4. | <u>Cost per KWH:</u> | | |
| | a. Gross Generation - FAC Basis (cents /KWH) | | 0.796 |
| | b. Net Generation - FAC Basis (cents / KWH) | | 0.796 |
| 5. | <u>Inventory Analysis</u> | | |
| | a. Number of Hours Supply based on actual burn at the station | | N/A |

Company Name: East Kentucky Power Cooperative, Inc.

Station Name Glasgow Landfill Generating Unit

For the Month of: AUGUST 2021

| Line No. | <u>Item Description</u> | | |
|----------|--|-----------------------------|-------|
| 1. | <u>Unit Performance:</u> | | |
| a. | Capacity (name plate rating) (MW) | | |
| b. | Capacity (average load) (MW) | | |
| c. | Net Demonstrated Capacity (MW) | | |
| d. | Net Capability Factor (L1b / L1c) (%) | (See page 21 of Appendix A) | |
| 2. | <u>Heat Rate:</u> | | |
| a. | BTU's Consumed (MMBTU) | | |
| b. | Gross Generation (MWH) | | |
| c. | Net Generation (MWH) | | |
| d. | Heat Rate (L2a / L2c) (BTU / KWH) | (See page 21 of Appendix A) | |
| 3. | <u>Operating Availability:</u> | | |
| a. | Hours Unit Operated | | |
| b. | Hours Available | | |
| c. | Hours During the Period | | |
| d. | Availability Factor (L3b / L3c) (%) | (See page 21 of Appendix A) | |
| 4. | <u>Cost per KWH:</u> | | |
| a. | Gross Generation - FAC Basis (cents /KWH) | | 0.000 |
| b. | Net Generation - FAC Basis (cents / KWH) | | 0.000 |
| 5. | <u>Inventory Analysis</u> | | |
| a. | Number of Hours Supply based on actual burn at the station | | N/A |

* Glasgow landfill plant generation is sold to Farmers RECC through a 10 year PPA. Therefore, this unit is excluded from the FAC calculation and cost per kwh shown above.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name Bluegrass Unit 1 , 2, and 3

For the Month of: AUGUST 2021

Line

No.

Item Description

| | | | |
|----|--------------------------------|--|----------------------------------|
| 1. | <u>Unit Performance:</u> | | |
| | a. | Capacity (name plate rating) (MW) | |
| | b. | Capacity (average load) (MW) | |
| | c. | Net Demonstrated Capacity (MW) | |
| | d. | Net Capability Factor (L1b / L1c) (%) | (See page 22 - 24 of Appendix A) |
| 2. | <u>Heat Rate:</u> | | |
| | a. | BTU's Consumed (MMBTU) | |
| | b. | Gross Generation (MWH) | |
| | c. | Net Generation (MWH) | |
| | d. | Heat Rate (L2a / L2c) (BTU / KWH) | (See page 22 - 24 of Appendix A) |
| 3. | <u>Operating Availability:</u> | | |
| | a. | Hours Unit Operated | |
| | b. | Hours Available | |
| | c. | Hours During the Period | |
| | d. | Availability Factor (L3b / L3c) (%) | (See page 22 - 24 of Appendix A) |
| 4. | <u>Cost per KWH:</u> | | |
| | a. | Gross Generation - FAC Basis (cents /KWH) | 5.235 |
| | b. | Net Generation - FAC Basis (cents / KWH) | 5.280 |
| 5. | <u>Inventory Analysis</u> | | |
| | a. | Number of Hours Supply based on actual burn at the station | N/A |

| | |
|--|-----|
| Cooper - Number of Days Supply | 19 |
| Spurlock - Number of Days Supply | 26 |
| Smith - Number of Hours Supply | 43 |
| Bluegrass - Number of Hours Supply | N/A |
| Bavarian Ridge Landfill - Number of Hours Supply | N/A |
| Green Valley Landfill - Number of Hours Supply | N/A |
| Laurel Ridge Landfill - Number of Hours Supply | N/A |
| Hardin Co. Landfill - Number of Hours Supply | N/A |
| Pendleton Co. Landfill - Number of Hours Supply | N/A |
| Glasgow Landfill - Number of Hours Supply | N/A |

NOTE: Beginning in April 2006, EKPC began using the maximum burn to calculate the number of days supply.

East Kentucky Power Cooperative
Analysis of Coal Purchase For The Month Of August 2021

Appendix B
Format 1

| <u>Station & Supplier</u> | <u>P</u> | <u>P</u> | <u>M</u> | <u>Tons</u> <u>Purchased</u> | <u>BTU</u> <u>P/LB.</u> | <u>NO.</u> <u>MMBT</u> | <u>F.O.B. Mine</u> | | <u>Trans. Cost</u> | | <u>Del. Cost</u> | | <u>State</u> | <u>%</u> <u>Sulfur</u> | <u>%</u> <u>Ash</u> | <u>%</u> <u>Moisture</u> |
|----------------------------------|----------|------------|----------|---------------------------------|----------------------------|---------------------------|--------------------|---------------|--------------------|---------------|------------------|---------------|--------------|---------------------------|------------------------|-----------------------------|
| | <u>B</u> | <u>O</u> | | | | | <u>Price</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | | | | |
| | <u>D</u> | <u>C</u> | | | | | <u>P/Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | | | | |
| | <u>U</u> | <u>N</u> | <u>T</u> | | | | | | | | | | | | | |
| | (A) | (B) | (C) | | | | | | | | | | | | | |
| Cooper 1 & 2 Station | | | | | | | | | | | | | | | | |
| LT Contract Suppliers | | | | | | | | | | | | | | | | |
| Weighted Average | | | | | | | | | | | | | | | | |
| Spot Market Suppliers | | | | | | | | | | | | | | | | |
| PERRY COUNTY RESOURCES, LLC | P | 0000251602 | T | 1,213 | 13080 | 26.16 | 85.28 | 326.0 | 0.00 | 0.0 | 85.28 | 326.0 | EKY | 1.3 | 8.2 | 4.5 |
| B & W RESOURCES INC | P | 0000251603 | T | 7,541 | 11830 | 23.66 | 83.71 | 353.8 | 0.00 | 0.0 | 83.71 | 353.8 | EKY | 1.0 | 13.7 | 6.2 |
| NALLY & HAMILTON ENTERPRISES, IN | P | 0000251604 | T | 5,956 | 13075 | 26.15 | 92.62 | 354.2 | 0.00 | 0.0 | 92.62 | 354.2 | EKY | 1.5 | 8.7 | 4.4 |
| CASE COAL SALES, LLC | B | 0000251605 | T | 5,593 | 12755 | 25.51 | 86.73 | 340.0 | 0.00 | 0.0 | 86.73 | 340.0 | EKY | 1.1 | 9.5 | 5.4 |
| CARBON PARTNERS, INC. | B | 0000251611 | T | 291 | 11665 | 23.33 | 81.84 | 350.8 | 0.00 | 0.0 | 81.84 | 350.8 | EKY | 1.1 | 14.6 | 7.4 |
| JHALL, INC. | B | 0000251612 | T | 514 | 12783 | 25.57 | 91.23 | 356.8 | 0.00 | 0.0 | 91.23 | 356.8 | EKY | 1.4 | 7.9 | 6.5 |
| Weighted Average | | | | 21,108 | 12519 | 25.04 | 87.27 | 348.6 | 0.00 | 0.0 | 87.27 | 348.6 | | | | |
| Station Average | | | | 21,108 | 12519 | 25.04 | 87.27 | 348.6 | 0.00 | 0.0 | 87.27 | 348.6 | | | | |

Note: Transportation cost for coal delivered by truck cannot be determined, therefore is not included in trans. cost averages

(A) Designated by symbol
P = producer D = distributor
B = broker U = utility

(B) POCN = purchase order or contract number

(C) MT = mode of transportation designated by symbol
R = rail T = truck
B = barge P = pipeline

East Kentucky Power Cooperative
Analysis of Coal Purchase For The Month Of August 2021

Appendix B
Format 1

| <u>Station & Supplier</u> | <u>P</u> | <u>P</u> | <u>M</u> | <u>Tons</u> <u>Purchased</u> | <u>BTU</u> <u>P/LB.</u> | <u>NO.</u> <u>MMBT</u> | <u>F.O.B. Mine</u> | | <u>Trans. Cost</u> | | <u>Del. Cost</u> | | <u>State</u> | <u>%</u> <u>Sulfur</u> | <u>%</u> <u>Ash</u> | <u>%</u> <u>Moisture</u> |
|-----------------------------------|----------|------------|----------|---------------------------------|----------------------------|---------------------------|--------------------|---------------|--------------------|---------------|------------------|---------------|--------------|---------------------------|------------------------|-----------------------------|
| | <u>B</u> | <u>O</u> | | | | | <u>Price</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | | | | |
| | <u>D</u> | <u>C</u> | <u>T</u> | | | | <u>P/Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | | | | |
| | <u>U</u> | <u>N</u> | <u>T</u> | | | | | | | | | | | | | |
| | (A) | (B) | (C) | | | | | | | | | | | | | |
| Spurlock 1 & 2 Station | | | | | | | | | | | | | | | | |
| LT Contract Suppliers | | | | | | | | | | | | | | | | |
| FORESIGHT COAL SALES LLC | P | 0000000532 | B | 22,196 | 11800 | 23.60 | 36.03 | 152.7 | 5.87 | 24.9 | 41.90 | 177.5 | IL | 2.8 | 8.2 | 11.1 |
| ALPHA THERMAL COAL SALES COMPANY | P | 0000000538 | B | 18,950 | 12888 | 25.78 | 38.97 | 151.2 | 6.44 | 25.0 | 45.41 | 176.2 | PA | 3.2 | 8.7 | 6.5 |
| ALLIANCE COAL LLC | P | 0000000542 | B | 26,673 | 11669 | 23.34 | 42.57 | 182.4 | 5.87 | 25.2 | 48.44 | 207.5 | WKY | 2.8 | 8.6 | 11.1 |
| FORESIGHT COAL SALES LLC | P | 0000000550 | B | 36,866 | 11859 | 23.72 | 30.17 | 127.2 | 5.87 | 24.7 | 36.04 | 151.9 | IL | 2.8 | 8.2 | 10.7 |
| FORESIGHT COAL SALES LLC | P | 0000000552 | B | 22,913 | 11865 | 23.73 | 29.66 | 125.0 | 5.87 | 24.7 | 35.53 | 149.7 | IL | 2.8 | 8.3 | 10.6 |
| ALLIANCE COAL LLC | P | 0000000554 | B | 24,825 | 11608 | 23.22 | 36.50 | 157.2 | 5.87 | 25.3 | 42.37 | 182.5 | WKY | 2.9 | 8.8 | 11.4 |
| Weighted Average | | | | 152,423 | 11905 | 23.81 | 35.24 | 148.0 | 5.94 | 25.0 | 41.18 | 172.9 | | | | |
| Spot Market Suppliers | | | | | | | | | | | | | | | | |
| FORESIGHT COAL SALES LLC | P | 0000551606 | B | 21,335 | 11473 | 22.95 | 34.97 | 152.4 | 5.87 | 25.6 | 40.84 | 178.0 | IL | 2.8 | 8.0 | 13.2 |
| CCU COAL & CONSTRUCTION, LLC | P | 0000551608 | B | 8,771 | 11538 | 23.08 | 38.93 | 168.7 | 4.82 | 20.9 | 43.75 | 189.6 | OH | 3.9 | 13.8 | 6.2 |
| Weighted Average | | | | 30,105 | 11492 | 22.98 | 36.13 | 157.2 | 5.56 | 24.2 | 41.69 | 181.4 | | | | |
| Station Average | | | | 182,528 | 11837 | 23.67 | 35.38 | 149.5 | 5.88 | 24.8 | 41.26 | 174.3 | | | | |

Note: Transportation cost for coal delivered by truck cannot be determined, therefore is not included in trans. cost averages

(A) Designated by symbol
P = producer D = distributor
B = broker U = utility

(B) POCN = purchase order or contract number

(C) MT = mode of transportation designated by symbol
R = rail T = truck
B = barge P = pipeline

East Kentucky Power Cooperative
Analysis of Coal Purchase For The Month Of August 2021

Appendix B
Format 1

| <u>Station & Supplier</u> | <u>P</u> | <u>P</u> | <u>M</u> | <u>Tons</u> <u>Purchased</u> | <u>BTU</u> <u>P/LB.</u> | <u>NO.</u> <u>MMBT</u> | <u>F.O.B. Mine</u> | | <u>Trans. Cost</u> | | <u>Del. Cost</u> | | <u>State</u> | <u>%</u> <u>Sulfur</u> | <u>%</u> <u>Ash</u> | <u>%</u> <u>Moisture</u> |
|-----------------------------------|----------|------------|----------|---------------------------------|----------------------------|---------------------------|--------------------|---------------|--------------------|---------------|------------------|---------------|--------------|---------------------------|------------------------|-----------------------------|
| | <u>B</u> | <u>O</u> | | | | | <u>Price</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | | | | |
| | <u>D</u> | <u>C</u> | | | | | <u>P/Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | | | | |
| | <u>U</u> | <u>N</u> | <u>T</u> | | | | | | | | | | | | | |
| | (A) | (B) | (C) | | | | | | | | | | | | | |
| Spurlock 3 & 4 Station | | | | | | | | | | | | | | | | |
| LT Contract Suppliers | | | | | | | | | | | | | | | | |
| B & N COAL INC | P | 0000000824 | B | 19,947 | 11180 | 22.36 | 38.39 | 171.7 | 4.59 | 20.5 | 42.98 | 192.2 | OH | 4.8 | 16.9 | 4.5 |
| B & N COAL INC | P | 0000000832 | B | 11,450 | 10906 | 21.81 | 37.46 | 171.8 | 4.59 | 21.0 | 42.05 | 192.8 | OH | 4.5 | 17.8 | 5.8 |
| CCU COAL & CONSTRUCTION, LLC | P | 0000000836 | B | 23,181 | 11223 | 22.45 | 37.78 | 168.3 | 4.82 | 21.5 | 42.60 | 189.8 | OH | 5.0 | 15.8 | 5.8 |
| ALLIANCE COAL LLC | P | 0000000838 | B | 31,481 | 11649 | 23.30 | 42.46 | 182.2 | 5.87 | 25.2 | 48.33 | 207.4 | WKY | 2.8 | 8.7 | 11.2 |
| B & N COAL INC | P | 0000000840 | B | 9,875 | 11099 | 22.20 | 32.21 | 145.1 | 4.59 | 20.7 | 36.80 | 165.8 | OH | 4.6 | 18.6 | 3.6 |
| Weighted Average | | | | 95,934 | 11303 | 22.61 | 38.83 | 171.8 | 5.07 | 22.4 | 43.90 | 194.2 | | | | |
| Spot Market Suppliers | | | | | | | | | | | | | | | | |
| RIVER TRADING COMPANY, LTD | B | 0000851590 | B | 4,904 | 11159 | 22.32 | 33.43 | 149.8 | 2.73 | 12.2 | 36.16 | 162.0 | EKY | 2.9 | 13.8 | 9.7 |
| RIVER TRADING COMPANY, LTD | B | 0000851595 | B | 3,182 | 11912 | 23.82 | 33.63 | 141.1 | 4.68 | 19.6 | 38.31 | 160.8 | EKY | 2.1 | 13.9 | 6.7 |
| RIVER TRADING COMPANY, LTD | B | 0000851600 | B | 7,997 | 11180 | 22.36 | 34.85 | 155.9 | 2.73 | 12.2 | 37.58 | 168.1 | EKY | 2.9 | 14.0 | 9.4 |
| CCU COAL & CONSTRUCTION, LLC | P | 0000851601 | B | 10,521 | 11692 | 23.38 | 33.70 | 144.1 | 4.82 | 20.6 | 38.52 | 164.7 | OH | 3.9 | 13.1 | 5.9 |
| FORESIGHT COAL SALES LLC | P | 0000851607 | B | 31,545 | 11854 | 23.71 | 36.13 | 152.4 | 5.87 | 24.8 | 42.00 | 177.2 | IL | 2.8 | 8.2 | 10.7 |
| CCU COAL & CONSTRUCTION, LLC | P | 0000851609 | B | 1,814 | 11187 | 22.37 | 35.29 | 157.7 | 4.82 | 21.5 | 40.11 | 179.3 | OH | 5.2 | 14.6 | 7.7 |
| Weighted Average | | | | 59,963 | 11662 | 23.32 | 35.16 | 150.7 | 4.92 | 21.1 | 40.07 | 171.8 | | | | |
| Station Average | | | | 155,897 | 11441 | 22.88 | 37.42 | 163.5 | 5.01 | 21.9 | 42.43 | 185.4 | | | | |

Note: Transportation cost for coal delivered by truck cannot be determined, therefore is not included in trans. cost averages

(A) Designated by symbol
P = producer D = distributor
B = broker U = utility

(B) POCN = purchase order or contract number

(C) MT = mode of transportation designated by symbol
R = rail T = truck
B = barge P = pipeline

East Kentucky Power Cooperative

Analysis of Coal Purchase For The Month Of August 2021

| <u>Station & Supplier</u> | <u>P</u> | <u>P</u> | <u>M</u> | <u>Tons</u> <u>Purchased</u> | <u>BTU</u> <u>P/LB.</u> | <u>NO.</u> <u>MMBT</u> | <u>F.O.B. Mine</u> | | <u>Trans. Cost</u> | | <u>Del. Cost</u> | | <u>State</u> | <u>%</u> <u>Sulfur</u> | <u>%</u> <u>Ash</u> | <u>%</u> <u>Moisture</u> |
|-------------------------------|----------|----------|----------|---------------------------------|----------------------------|---------------------------|--------------------|---------------|--------------------|---------------|------------------|---------------|--------------|---------------------------|------------------------|-----------------------------|
| | <u>B</u> | <u>O</u> | | | | | <u>Price</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | <u>Per</u> | <u>\$ Per</u> | | | | |
| | <u>D</u> | <u>C</u> | <u>T</u> | | | | <u>P/Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | <u>Ton</u> | <u>MMBTU</u> | | | | |
| | <u>U</u> | <u>N</u> | | | | | | | | | | | | | | |
| | (A) | (B) | (C) | | | | | | | | | | | | | |
| System Average | | | | 359,533 | 11705 | 23.41 | 39.31 | 168.0 | 5.16 | 22.0 | 44.47 | 189.9 | | | | |

Note: Transportation cost for coal delivered by truck cannot be determined, therefore is not included in trans. cost averages

(A) Designated by symbol
P = producer D = distributor
B = broker U = utility

(B) POCN = purchase order or contract number

(C) MT = mode of transportation designated by symbol
R = rail T = truck
B = barge P = pipeline

EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | <u>P</u> <u>B</u> <u>D</u> <u>U</u> (B) | <u>P</u> <u>O</u> <u>C</u> <u>N</u> (C) | <u>M</u> <u>T</u> (D) | STATION <u>NAME</u> (E) | GAL. OR CU. FT. <u>PURCHASED</u> (F) | BTU PER <u>UNIT</u> (G) | DELIVERED <u>COST</u> (H) | ¢ PER <u>MMBTU</u> (I) | % <u>SO</u> (J) |
|------------------------|---|---|-----------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------------|-----------------------|
| OIL SUPPLIER: | | | | | | | | | |
| PILOT TRAVEL CENTERS | D | 43618 | T | COOPER | 35,861 | 138600 | \$ 73,897.90 | 1487 | 0.00 |
| TOTAL OIL | | | | COOPER | 35,861 | | \$ 73,897.90 | | |

(B) DESIGNATED BY SYMBOL

P = PRODUCER
B = BROKER
D = DISTRIBUTOR
U = UTILITY

(D) MT = MODE OF TRANSPORTATION

DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
B = BARGE P = PIPELINE

EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | <u>P</u> <u>D</u> <u>U</u> (B) | <u>P</u> <u>C</u> <u>N</u> (C) | <u>M</u> <u>T</u> (D) | STATION <u>NAME</u> (E) | GAL. OR CU. FT. <u>PURCHASED</u> (F) | BTU PER <u>UNIT</u> (G) | DELIVERED <u>COST</u> (H) | ¢ PER <u>MMBTU</u> (I) | % <u>SO</u> (J) |
|------------------------|---|---|-----------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------------|-----------------------|
| OIL SUPPLIER: | | | | | | | | | |
| MARATHON PETROLEUM | D | 43620 | T | SPURLOCK | - | 138600 | \$ - | 0 | 0.00 |
| PETROLEUM TRADERS | D | 43607 | T | SPURLOCK | 44,389 | 138600 | \$ 95,338.70 | 1550 | 0.00 |
| TOTAL OIL | | | | SPURLOCK | 44,389 | | 95,338.70 | | |

(B) DESIGNATED BY SYMBOL

P = PRODUCER
B = BROKER
D = DISTRIBUTOR
U = UTILITY

(D) MT = MODE OF TRANSPORTATION

DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
B = BARGE P = PIPELINE

EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | <u>P</u> <u>D</u> <u>U</u> (B) | <u>P</u> <u>C</u> <u>N</u> (C) | <u>M</u> <u>T</u> (D) | STATION <u>NAME</u> (E) | GAL. OR CU. FT. <u>PURCHASED</u> (F) | BTU PER <u>UNIT</u> (G) | DELIVERED <u>COST</u> (H) | ¢ PER <u>MMBTU</u> (I) | % <u>SO</u> (J) |
|------------------------|---|---|-----------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------------|-----------------------|
| OIL SUPPLIER: | | | | | | | | | |
| PILOT TRAVEL CENTERS | D | 43622 | T | SMITH | 0 | 138600 | \$ - | | 0.00 |
| PETROLEUM TRADERS | D | 43607 | T | SMITH | 0 | 138600 | \$ - | | 0.00 |
| TOTAL OIL | | | | SMITH | 0 | | \$ - | | |

(B) DESIGNATED BY SYMBOL

P = PRODUCER
 B = BROKER
 D = DISTRIBUTOR
 U = UTILITY

(D) MT = MODE OF TRANSPORTATION

DESIGNATED BY SYMBOL
 R = RAIL T = TRUCK
 B = BARGE P = PIPELINE

EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | <u>P</u> <u>B</u> <u>D</u> <u>U</u> (B) | <u>P</u> <u>O</u> <u>C</u> <u>N</u> (C) | <u>M</u> <u>T</u> (D) | STATION <u>NAME</u> (E) | GAL. OR CU. FT. <u>PURCHASED</u> (F) | BTU PER <u>UNIT</u> (G) | DELIVERED <u>COST</u> (H) | ¢ PER <u>MMBTU</u> (I) | % <u>SO</u> (J) |
|------------------------|---|---|-----------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------------|-----------------------|
| OIL SUPPLIER: | | | | | | | | | |
| MARATHON PETROLEUM | D | 43609 | T | BLUEGRASS | 0 | 138600 | \$ - | | 0.00 |
| TOTAL OIL | | | | BLUEGRASS | 0 | | \$ - | | |

(B) DESIGNATED BY SYMBOL

P = PRODUCER
B = BROKER
D = DISTRIBUTOR
U = UTILITY

(D) MT = MODE OF TRANSPORTATION

DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
B = BARGE P = PIPELINE

EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | <u>P</u> <u>B</u> <u>D</u> <u>U</u> (B) | <u>P</u> <u>O</u> <u>C</u> <u>N</u> (C) | <u>M</u> <u>T</u> (D) | STATION <u>NAME</u> (E) | GAL. OR CU. FT. <u>PURCHASED</u> (F) | BTU PER <u>UNIT</u> (G) | DELIVERED <u>COST</u> (H) | ¢ PER <u>MMBTU</u> (I) | % <u>SO</u> (J) |
|---------------------------------|---|---|-----------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------------|-----------------------|
| NATURAL GAS SUPPLIER: | | | | | | | | | |
| TGP CASHOUT | P | 5013 | P | SMITH CT | 7,661.00 | 1000 | \$ 25,704.23 | 336 | 0.00 |
| TGP-SCHEDULE CHGS | P | 5014 | P | SMITH CT | - | 1000 | \$ - | 0 | 0.00 |
| SEQUENT | P | 5012 | P | SMITH CT | - | 1000 | \$ - | 0 | 0.00 |
| ECO ENERGY | P | 5030 | P | SMITH CT | 179,500.00 | 1000 | \$ 711,937.50 | 397 | 0.00 |
| TENASKA MARKETING | P | 5999 | P | SMITH CT | 110,000.00 | 1000 | \$ 455,600.00 | 414 | 0.00 |
| NJR ENERGY | P | 5018 | P | SMITH CT | 400,000.00 | 1000 | \$ 1,576,850.00 | 394 | 0.00 |
| SOUTHWEST ENERGY | P | 5031 | P | SMITH CT | 529,500.00 | 1000 | \$ 2,071,350.00 | 391 | 0.00 |
| TOTAL NATURAL GAS SMITH STATION | | | | SMITH CT | 1,226,661.00 | | 4,841,441.73 | | |

(B) DESIGNATED BY SYMBOL
P = PRODUCER
B = BROKER
D = DISTRIBUTOR
U = UTILITY

(D) MT = MODE OF TRANSPORTATION
DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
B = BARGE P = PIPELINE

EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | <u>P</u> <u>D</u> <u>U</u> (B) | <u>P</u> <u>O</u> <u>N</u> (C) | <u>M</u> <u>T</u> (D) | STATION <u>NAME</u> (E) | GAL. OR CU. FT. <u>PURCHASED</u> (F) | BTU PER <u>UNIT</u> (G) | DELIVERED <u>COST</u> (H) | ¢ PER <u>MMBTU</u> (I) | % <u>SO</u> (J) |
|-------------------------------------|---|---|-----------------------------|-------------------------------|---|-------------------------------|---------------------------------|------------------------------|-----------------------|
| NATURAL GAS SUPPLIER: | | | | | | | | | |
| TGT-PIPELINE CHGS | P | 5996 | P | BLUEGRASS CT | - | 1000 | \$ 324,353.03 | 0 | 0.00 |
| ECO ENERGY | P | 5998 | P | BLUEGRASS CT | 225,321.00 | 1000 | \$ 884,366.10 | 392 | 0.00 |
| TENASKA MARKETING | P | 5999 | P | BLUEGRASS CT | 353,175.00 | 1000 | \$ 1,414,972.86 | 401 | 0.00 |
| NJR ENERGY | P | 5997 | P | BLUEGRASS CT | - | 1000 | \$ - | 0 | 0.00 |
| TOTAL NATURAL GAS BLUEGRASS STATION | | | | BLUEGRASS CT | 578,496.00 | | 2,623,691.99 | | |

(B) DESIGNATED BY SYMBOL
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(D) MT = MODE OF TRANSPORTATION
DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
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EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF AUGUST 2021

Format 2

| FUEL & SUPPLIER (A) | P B D U (B) | P O C N (C) | M T (D) | STATION NAME (E) | GAL. OR CU. FT. PURCHASED (F) | BTU PER UNIT (G) | DELIVERED COST (H) | ¢ PER MMBTU (I) | % SO (J) |
|------------------------|-------------------------|-------------------------|---------------|------------------------|--|------------------------|--------------------------|-----------------------|----------------|
| TDF SUPPLIER: | | | | | | | | | |
| LIBERTY TIRE RECYCLING | D | 43611 | T | SPURLOCK | 2,128.09 | 14484 | \$ 67,035.04 | 108.7 | 0.00 |
| TOTAL TDF | | | | SPURLOCK | 2,128.09 | | 67,035.04 | | |

(B) DESIGNATED BY SYMBOL
P = PRODUCER
B = BROKER
D = DISTRIBUTOR
U = UTILITY

(D) MT = MODE OF TRANSPORTATION
DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
B = BARGE P = PIPELINE

East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40392-0707

Rates 0.833
Btu 12000
Mmbtu 1,000,000

Detail Charges
August 31, 2021

Due To: Bavarian Waste Services
12764 McCoy Fork Rd
Walton, Kentucky 41094

Vendor ID 15399

Invoice # 4302021

GC
MMBTU

Amount
Due

24,568

20,465.14

TOTAL AMOUNT DUE

20,465.14

East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40392-0707

Rates(Conforming Gas) 0.36
Btu 12000
Mmbtu 1,000,000

Detail Charges
August 31, 2021

Due To: Green Valley Landfill
P O Box 932899
Cleveland, OH 44193

Vendor ID 15493

Phone - 800-844-3512

| GC MMBTU | Amount Due |
|-------------|---------------|
| 16,979 | 6,112.44 |

TOTAL AMOUNT DUE 6,112.44

East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40392-0707

Rates 0.750
BTU 12000
MMBTU 1,000,000

Detail Charges
August 31, 2021

Hardin Co Landfill Gas to Electric
Hardin County Fiscal Court
P. O. Box 568
Elizabethtown, Ky 42702-0568

V# 23059

Payment: Santek Environmental of Kentucky, LLC
2150 S. Dixie Hwy
Elizabethtown, Ky 42701
Phone: 270-234-9278

GC
MMBTU

Amount
Due

9,943

7,457.25

TOTAL AMOUNT DUE

7,457.25

East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40392-0707

Rates 0.750
BTU 12000
MMBTU 1,000,000

Detail Charges
August 31, 2021

Due To: Rumpke
P. O. Box 538710
Cincinnati, Ohio 45253
Cust # 4100177647

Vendor ID 11558

Pendleton County Landfill

GC
MMBTU

Amount
Due

Methane Gas

25,274

18,955.50

TOTAL AMOUNT DUE

\$ 18,955.50

East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40392-0707

Rates 0.332
Btu 12000
Mmbtu 1,000,000

Detail Charges
August 31, 2021

Due To: Waste Connections, Inc.
P. O. Box 808
Hwy 52 & Hopper Road
Lily, Kentucky 40740
Att: Bruce Crouch

Vendor ID 10706

GC
MMBTU

Amount
Due

12,404

4,118.13

July 2021 Adjustment

1.33

TOTAL AMOUNT DUE

\$ 4,119.46

POWER TRANSACTION SCHEDULE
(DETAIL CREDIT - PER CASE NO. 2000-00496-B)

Purchase Power Calculation for FAC for: August 2021
Prepared By: Laura Wilson
Data Source - PJM MSRS Sales/Purchases Report

9/20/21

| Hour Ending | Interface | Transaction | MW | Net Cost | Rate | Total / Hr Purchased | Purchase Power Obligations | | | | Mwh over Max MW | Actual Cost /MWh | Max Cost Allowed /MWh | Excluded Cost per MW | Total Excluded from Fuel |
|---------------|-----------|-------------|---------|-----------|-----------|----------------------|----------------------------|--------------|-------------|-------------|-----------------|------------------|-----------------------|----------------------|--------------------------|
| | | | | | | | Sales to Gallatin | Sales to TGP | Other Sales | Total Sales | | | | | |
| 08/01/2021 10 | PJM | | 0.272 | 583.00 | 2,140.860 | 583.00 | | | | | | | | | |
| 08/27/2021 11 | PJM | | 5.434 | 780.00 | 143.560 | 780.00 | | | | | | | | | |
| 08/29/2021 23 | PJM | | 188.417 | 23,710.00 | 125.840 | 23,710.00 | | | | | | | | | |
| | | | 194.123 | | 129.160 | 25,073.000 | | | | | | 194.123 | | | (9,679) |

79.30 Max allowable fuel cost to pass through on the FAC for Current Month

| | |
|------------------------------|--------|
| Bluegrass 1, 2, 3 | |
| Heat Rate: | 17,164 |
| Highest Cost Fuel for Month: | |
| Gas: | 4.620 |

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **COOPER STATION**

Month Ended: **August 2021**

Fuel: **COAL**

| | (Units) <u>Tons</u> | <u>Amount</u> | Amount Per Unit |
|-------------------------|--------------------------|----------------------------|--------------------------------|
| Beginning Inventory | 84,883.38 | \$ 6,059,425.64 | \$71.39 |
| Purchases | 21,107.85 | 1,842,132.25 | \$87.27 |
| Adjustments (1) | 0.00 | 0.00 | \$0.00 |
| Subtotal | 105,991.23 | 7,901,557.89 | \$74.55 |
| Less Fuel Used Unit #1 | 8,619.50 | 642,583.73 | \$74.55 |
| Less Fuel Used Unit #2 | 26,679.00 | 1,988,919.45 | \$74.55 |
| Total Burn | <u>35,298.50</u> | <u>2,631,503.18</u> | \$74.55 |
| Phy Inv Adj | 0.00 | 0.00 | \$0.00 |
| Ending Inventory | 70,692.73 | \$ 5,270,054.71 | \$74.55 |

(1) Explain any adjustments fully. Use additional sheets if necessary.

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **COOPER STATION**

Month Ended: **August 2021**

Fuel: **OIL**

| | <u>(Units)</u> <u>Gallons</u> | <u>Amount</u> | <u>Amount</u> <u>Per</u> <u>Unit</u> |
|--------------------------|------------------------------------|---------------------|--|
| Beginning Inventory | 26,579.00 | \$ 57,057.26 | \$2.1467 |
| Purchases | 35,861.00 | 73,897.90 | \$2.0607 |
| Subtotal | 62,440.00 | 130,955.16 | \$2.0973 |
| Less Fuel Used - Non Gen | 0.00 | 0.00 | \$0.0000 |
| Less Fuel Used - Gen | 36,296.00 | 76,123.60 | \$2.0973 |
| Total Burn | 36,296.00 | 76,123.60 | \$2.0973 |
| Adjustments (1) | 0.00 | 0.00 | \$0.0000 |
| Ending Inventory | 26,144.00 | \$ 54,831.56 | \$2.0973 |

(1) Explain any adjustments fully. Use additional sheets if necessary.

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **SPURLOCK STATION #1, #2, #3, and #4**

Month Ended: **August 2021**

Fuel: **OIL**

| | <u>(Units)</u> <u>Gallons</u> | | <u>Amount</u> | <u>Amount</u> <u>Per</u> <u>Unit</u> |
|-------------------------|------------------------------------|-----------|-------------------|--|
| Beginning Inventory | 303,456.00 | \$ | 643,025.70 | \$2.1190 |
| Purchases | 44,389.00 | | 95,338.70 | \$2.1478 |
| Subtotal | 347,845.00 | | 738,364.40 | \$2.1227 |
| Less Fuel Used | 78,725.00 | | 167,109.55 | \$2.1227 |
| Adjustments (1) | 0.00 | | 0.00 | \$0.0000 |
| Ending Inventory | 269,120.00 | \$ | 571,254.85 | \$2.1227 |

(1) Explain any adjustments fully. Use additional sheets if necessary.

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **CFB - GILBERT #3 TDF**

Month Ended: **August 2021**

Fuel: **TDF**

| | (Units) <u>Tons</u> | | <u>Amount</u> | Amount Per Unit |
|-------------------------|--------------------------|-----------|-------------------|--------------------------------|
| Beginning Inventory | 1,464.81 | \$ | 46,141.72 | \$0.00 |
| Purchases | 2,128.09 | | 67,035.04 | \$31.50 |
| Adjustments (1) | 0.00 | | 0.00 | \$0.00 |
| Subtotal | 3,592.90 | | 113,176.76 | \$31.50 |
| Less Fuel Used | 3,786.00 | | 119,259.34 | \$31.50 |
| Phy Inv Adj | 145.15 | | 4,572.21 | \$31.50 |
| Ending Inventory | (47.95) | \$ | (1,510.37) | \$31.50 |

(1) Explain any adjustments fully. Use additional sheets if necessary.

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **SCRUBBER COAL**

Month Ended: **August 2021**

Fuel: **COAL**

| | (Units) <u>Tons</u> | <u>Amount</u> | Amount Per Unit |
|----------------------------|--------------------------|------------------------|--------------------------------|
| Beginning Inventory | 234,235.14 | \$ 9,912,157.29 | \$42.32 |
| Purchases | 182,528.38 | 7,531,788.75 | \$41.26 |
| Adjustments (1) | (3,792.60) | (134,804.50) | \$35.54 |
| Adjustments (1) | 14,038.76 | 601,094.10 | \$42.82 |
| Adjustments (2) | 0.00 | 462,198.00 | \$0.00 |
| Adjustments (3) | 0.00 | 0.00 | \$0.00 |
| Subtotal | 427,009.68 | 18,372,433.64 | \$43.03 |
| Less Fuel Used #1 | 97,929.00 | 4,213,884.87 | \$43.03 |
| Less Fuel Used #2 | 155,353.00 | 6,684,839.59 | \$43.03 |
| Total Burn | 253,282.00 | 10,898,724.46 | \$43.03 |
| Phy Inv Adj | 0.00 | 0.00 | \$0.00 |
| Ending Inventory | 173,727.68 | \$ 7,473,709.18 | \$43.02 |
| (1) Interplant Transfers | \$466,289.60 | | |
| (2) Fuel Solvent | \$462,198.00 | | |
| (3) Government Impositions | \$0.00 | | |

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **GILBERT #3 & SPUR #4 STATION-CFB -**

Month Ended: **August 2021**

Fuel: **COAL**

| | (Units) <u>Tons</u> | <u>Amount</u> | Amount Per Unit |
|----------------------------|--------------------------|-------------------------|--------------------------------|
| Beginning Inventory | 276,305.18 | \$ 10,940,549.26 | \$39.60 |
| Purchases | 155,897.10 | 6,614,056.64 | \$42.43 |
| Adjustments (1) | 3,792.60 | 134,804.50 | \$35.54 |
| Adjustments (1) | (14,038.76) | (601,094.10) | \$42.82 |
| Adjustments (2) | 0.00 | 0.00 | \$0.00 |
| Subtotal | 421,956.12 | 17,088,316.30 | \$40.50 |
| Less Fuel Used #3 | 83,234.00 | 3,370,977.00 | \$40.50 |
| Less Fuel Used Sp#4 | 89,081.00 | 3,607,780.50 | \$40.50 |
| Total Burn | 172,315.00 | 6,978,757.50 | \$40.50 |
| Phy Inv Adj | 0.00 | 0.00 | \$0.00 |
| Ending Inventory | 249,641.12 | \$ 10,109,558.80 | \$40.50 |
| (1) Interplant Transfers | (\$466,289.60) | | |
| (2) Government Impositions | \$0.00 | | |

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **SMITH GENERATING FACILITY**

Month Ended: **August 2021**

Fuel: **OIL**

| | <u>(Units)</u> <u>Gallons</u> | <u>Amount</u> | <u>Amount</u> <u>Per</u> <u>Unit</u> |
|--------------------------|------------------------------------|------------------------|--|
| Beginning Inventory | 2,663,071.00 | \$ 3,775,513.13 | \$1.4177 |
| Purchases | 0.00 | \$0.00 | \$0.0000 |
| Subtotal | 2,663,071.00 | 3,775,513.13 | \$1.4177 |
| Less Fuel Used - Non Gen | 0.00 | 0.00 | \$0.0000 |
| Less Fuel Used - Gen | 0.00 | 0.00 | \$0.0000 |
| Total Burn | <u>0.00</u> | <u>0.00</u> | \$0.0000 |
| Adjustments (1) | 0.00 | \$0.00 | \$0.0000 |
| Ending Inventory | 2,663,071.00 | \$ 3,775,513.13 | \$1.4177 |

(1) Explain any adjustments fully. Use additional sheets if necessary.

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **BLUEGRASS GENERATING FACILITY**

Month Ended: **August 2021**

Fuel: **OIL**

| | <u>(Units)</u> <u>Gallons</u> | <u>Amount</u> | <u>Amount</u> <u>Per</u> <u>Unit</u> |
|--------------------------|------------------------------------|------------------------|--|
| Beginning Inventory | 1,033,808.00 | \$ 1,676,816.16 | \$1.6220 |
| Purchases | 0.00 | 0.00 | \$0.0000 |
| Subtotal | 1,033,808.00 | 1,676,816.16 | \$1.6220 |
| Less Fuel Used - Non Gen | 10.00 | 16.22 | \$1.6220 |
| Less Fuel Used - Gen | 0.00 | 0.00 | \$0.0000 |
| Total Burn | <u>10.00</u> | <u>16.22</u> | \$1.6220 |
| Adjustments (1) | 0.00 | 0.00 | \$0.0000 |
| Ending Inventory | 1,033,798.00 | \$ 1,676,799.94 | \$1.6220 |

(1) Explain any adjustments fully. Use additional sheets if necessary.

PJM DAY AHEAD AND BALANCING

PJM Charge Code

Amount

AUGUST 2021

| | | |
|------|----------------|--|
| 1210 | 78,202.12 | DA Transmission Congestion |
| 1215 | 31,640.10 | Balancing Transmission Congestion |
| 1218 | - | Planning Period Congestion Uplift |
| 1220 | 747,910.89 | DA Transmission Losses |
| 1225 | 257,902.69 | Balancing Transmission Losses |
| 1230 | 23,285.84 | Inadvertent Interchange |
| 1250 | (1,276.47) | Meter Error Correction |
| 1260 | - | Emergency Energy |
| 1370 | 14,873.93 | Day-ahead Operating Reserve |
| 1375 | 173,634.07 | Balancing Operating Reserve |
| 1420 | (4.05) | Load Recon for Trans Losses |
| 2210 | - | Transmission Congestion Credit (Replaced by 2211 & 2215) |
| 2211 | 3,840.47 | DA Transmission Congestion Credit |
| 2215 | 261,892.03 | Balancing Transmission Congestion Credit |
| 2217 | - | Planning Period Excess Congestion Credit |
| 2218 | - | Planning Period Congestion Uplift |
| 2220 | (609,224.67) | Transmission Losses Credit |
| 2260 | - | Emergency Energy Credit |
| 2370 | - | Day-ahead Operating Reserve Credit |
| 2375 | (1,212,457.16) | Balancing Operating Reserve Credit |
| 2420 | 1.36 | Load Recon for Trans Losses Credit |

(229,778.85) Total PJM Balancing