



Company

EAST KENTUCKY POWER COOPERATIVE, INC.
POWER TRANSACTION SCHEDULE

Month Ended FEBRUARY 2024

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>					
Brookfield Renewable Trading & Marketing, LP	Qualifying Facility	102,927,000	5,352,204		5,352,204
Cox Interior	Qualifying Facility	59,571	1,417		1,417
Global Mail, Inc., DBA DHL eCommerce	Qualifying Facility	20,081	377		377
Lock 7 Generator	Qualifying Facility	623,336	28,866		28,866
National Guard Armory	Qualifying Facility	1,872	31		31
PJM	Economy	359,200,000	7,881,142		7,881,142
Southeast Power	Qualifying Facility	14,778,000	212,922		212,922
Swope Enterprise	Qualifying Facility	13,947	250		250
Swope Hyundi	Qualifying Facility	9,263	166		166
Coops	Buy Thru(Coops)	-	-		-
Saloma & Cranston	Compressor Facility	(26,417,813)	(982,736)		(982,736)
Fuel Cost Credit		-	-		-
(per Case No. 2000-00496-B)					
Less LF/REG (Gallatin Special Contract)			23,387		23,387
Fuel Cost Credit		-	-		-
(July through November 2023 adjustment)					
TOTAL		<u>451,215,257</u>	<u>12,518,026</u>	-	<u>12,518,026</u>



Company

EAST KENTUCKY POWER COOPERATIVE, INC.
POWER TRANSACTION SCHEDULE

Month Ended

FEBRUARY 2024

Billing Components

Company
Sales

Type of Transaction

KWH

Fuel Charges (\$)

Margin(+) or
Loss (-)

Total Charges (\$)

PJM
PJM (Bi-Lateral Sales)

Economy
Economy

2,550,000
3,800,000

111,031
109,997

(51,530)
(22,047)

59,501
87,950

TOTAL

6,350,000

221,028

(73,577)

147,451

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Cooper Unit 1

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	100.00
b.	Capacity (average load) (MW)	92.78
c.	Net Demonstrated Capacity (MW)	116.00
d.	Net Capability Factor (L1b / L1c) (%)	79.98
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	135,093
b.	Gross Generation (MWH)	14,023
c.	Net Generation (MWH)	12,525
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,786
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	135
b.	Hours Available	696
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	<u>Cost per KWH:</u>	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 24 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 24 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Cooper Unit 2

For the Month of: FEBRUARY 2024

Line No.	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	220.85
b.	Capacity (average load) (MW)	34.96
c.	Net Demonstrated Capacity (MW)	225.00
d.	Net Capability Factor (L1b / L1c) (%)	15.54
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	32,835
b.	Gross Generation (MWH)	3,362
c.	Net Generation (MWH)	804
d.	Heat Rate (L2a / L2c) (BTU / KWH)	40,840
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	23
b.	Hours Available	696
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	<u>Cost per KWH:</u>	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 24 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 24 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Spurlock Unit 1

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	340.28
b.	Capacity (average load) (MW)	238.20
c.	Net Demonstrated Capacity (MW)	300.00
d.	Net Capability Factor (L1b / L1c) (%)	79.40
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	1,526,112
b.	Gross Generation (MWH)	156,151
c.	Net Generation (MWH)	141,727
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,768
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	595
b.	Hours Available	659
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	94.68
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)	
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 2

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	585.77
b.	Capacity (average load) (MW)	438.69
c.	Net Demonstrated Capacity (MW)	510.00
d.	Net Capability Factor (L1b / L1c) (%)	86.02
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	2,586,479
b.	Gross Generation (MWH)	265,381
c.	Net Generation (MWH)	242,596
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,662
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	553
b.	Hours Available	696
c.	Hours During the Period	696
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)	
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: Gilbert Unit 3

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	294.00
b.	Capacity (average load) (MW)	234.29
c.	Net Demonstrated Capacity (MW)	268.00
d.	Net Capability Factor (L1b / L1c) (%)	87.42
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	1,183,368
b.	Gross Generation (MWH)	141,483
c.	Net Generation (MWH)	124,174
d.	Heat Rate (L2a / L2c) (BTU / KWH)	9,530
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	530
b.	Hours Available	696
c.	Hours During the Period	696
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)	
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 4

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	298.00
b.	Capacity (average load) (MW)	242.10
c.	Net Demonstrated Capacity (MW)	268.00
d.	Net Capability Factor (L1b / L1c) (%)	90.34
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	1,698,511
b.	Gross Generation (MWH)	189,638
c.	Net Generation (MWH)	168,499
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,080
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	696
b.	Hours Available	696
c.	Hours During the Period	696
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)	
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: Smith Unit 1

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	110.50 *
b.	Capacity (average load) (MW)	97.74
c.	Net Demonstrated Capacity (MW)	104.00
d.	Net Capability Factor (L1b / L1c) (%)	93.98
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	48,903
b.	Gross Generation (MWH)	3,946
c.	Net Generation (MWH)	3,812
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,829
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	39
b.	Hours Available	696
c.	Hours During the Period	696
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: **FEBRUARY 2024**

<u>Line No.</u>	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	110.50 *
b.	Capacity (average load) (MW)	92.88
c.	Net Demonstrated Capacity (MW)	104.00
d.	Net Capability Factor (L1b / L1c) (%)	89.31
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	21,210
b.	Gross Generation (MWH)	1,620
c.	Net Generation (MWH)	1,486
d.	Heat Rate (L2a / L2c) (BTU / KWH)	14,273
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	16
b.	Hours Available	687
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	98.71
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	110.50 *
b.	Capacity (average load) (MW)	90.00
c.	Net Demonstrated Capacity (MW)	104.00
d.	Net Capability Factor (L1b / L1c) (%)	86.54
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	15,694
b.	Gross Generation (MWH)	1,214
c.	Net Generation (MWH)	1,080
d.	Heat Rate (L2a / L2c) (BTU / KWH)	14,531
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	12
b.	Hours Available	660
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	94.83
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

Line No.	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	72.90 *
b.	Capacity (average load) (MW)	57.48
c.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	77.54
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	74,969
b.	Gross Generation (MWH)	5,480
c.	Net Generation (MWH)	5,346
d.	Heat Rate (L2a / L2c) (BTU / KWH)	14,023
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	93
b.	Hours Available	696
c.	Hours During the Period	696
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	72.90 *
b.	Capacity (average load) (MW)	55.54
c.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	74.92
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	70,328
b.	Gross Generation (MWH)	5,244
c.	Net Generation (MWH)	5,110
d.	Heat Rate (L2a / L2c) (BTU / KWH)	13,763
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	92
b.	Hours Available	696
c.	Hours During the Period	696
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	72.90 *
b.	Capacity (average load) (MW)	56.29
c.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	75.93
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	55,859
b.	Gross Generation (MWH)	4,180
c.	Net Generation (MWH)	4,109
d.	Heat Rate (L2a / L2c) (BTU / KWH)	13,594
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	73
b.	Hours Available	696
c.	Hours During the Period	696
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	72.90 *
b.	Capacity (average load) (MW)	56.90
c.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	76.76
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	38,155
b.	Gross Generation (MWH)	2,924
c.	Net Generation (MWH)	2,845
d.	Heat Rate (L2a / L2c) (BTU / KWH)	13,411
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	50
b.	Hours Available	696
c.	Hours During the Period	696
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	85.00 *
b.	Capacity (average load) (MW)	64.18
c.	Net Demonstrated Capacity (MW)	88.00
d.	Net Capability Factor (L1b / L1c) (%)	72.93
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	57,070
b.	Gross Generation (MWH)	5,637
c.	Net Generation (MWH)	5,263
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,844
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	82
b.	Hours Available	691
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	99.28
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	85.00 *
b.	Capacity (average load) (MW)	0.00
c.	Net Demonstrated Capacity (MW)	88.00
d.	Net Capability Factor (L1b / L1c) (%)	0.00
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	1,423
b.	Gross Generation (MWH)	158
c.	Net Generation (MWH)	-27
d.	Heat Rate (L2a / L2c) (BTU / KWH)	0
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	2
b.	Hours Available	696
c.	Hours During the Period	696
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)	
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the station	(See page 27 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 of: FEBRUARY 2024

<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)	30,377
b.	Gross Generation (MWH)	2,657
c.	Net Generation (MWH)	2,556
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,885
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	624
b.	Hours Available	662
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	95.11
4.	<u>Cost per KWH:</u>	
a.	Gross Generation - FAC Basis (cents / KWH)	
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)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Green Valley Landfill Generating Units

For the Month of: FEBRUARY 2024

Line No.	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	2.40
b.	Capacity (average load) (MW)	2.21
c.	Net Demonstrated Capacity (MW)	2.40
d.	Net Capability Factor (L1b / L1c) (%)	92.08
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	16,572
b.	Gross Generation (MWH)	1,361
c.	Net Generation (MWH)	1,333
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,432
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	604
b.	Hours Available	607
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	87.21
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: Hardin Co. Generating Units

For the Month of: FEBRUARY 2024

Line No.	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	2.40
b.	Capacity (average load) (MW)	2.16
c.	Net Demonstrated Capacity (MW)	2.40
d.	Net Capability Factor (L1b / L1c) (%)	90.00
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	11,897
b.	Gross Generation (MWH)	1,045
c.	Net Generation (MWH)	998
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,921
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	462
b.	Hours Available	687
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	98.71
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: Pendleton Co.Generating Units

For the Month of: FEBRUARY 2024

<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)	2.83
c.	Net Demonstrated Capacity (MW)	3.20
d.	Net Capability Factor (L1b / L1c) (%)	88.44
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	21,753
b.	Gross Generation (MWH)	1,846
c.	Net Generation (MWH)	1,781
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,214
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	630
b.	Hours Available	631
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	90.66
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: Glasgow Landfill Generating Unit

For the Month of: FEBRUARY 2024

<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)	0.49
c.	Net Demonstrated Capacity (MW)	0.90
d.	Net Capability Factor (L1b / L1c) (%)	54.44
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	4,461
b.	Gross Generation (MWH)	357
c.	Net Generation (MWH)	338
d.	Heat Rate (L2a / L2c) (BTU / KWH)	13,198
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	693
b.	Hours Available	693
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	99.57
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)

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

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Bluegrass Station Unit 1

For the Month of: FEBRUARY 2024

Line No.	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	208.00
b.	Capacity (average load) (MW)	123.93
c.	Net Demonstrated Capacity (MW)	165.00
d.	Net Capability Factor (L1b / L1c) (%)	75.11
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	19,516
b.	Gross Generation (MWH)	1,752
c.	Net Generation (MWH)	1,735
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,248
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	14
b.	Hours Available	696
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	<u>Cost per KWH:</u>	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 33 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 33 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Bluegrass Station Unit 2

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	208.00
b.	Capacity (average load) (MW)	0.00
c.	Net Demonstrated Capacity (MW)	165.00
d.	Net Capability Factor (L1b / L1c) (%)	0.00
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	147
b.	Gross Generation (MWH)	0
c.	Net Generation (MWH)	0
d.	Heat Rate (L2a / L2c) (BTU / KWH)	0
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	0
b.	Hours Available	696
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	<u>Cost per KWH:</u>	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 33 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 33 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Bluegrass Station Unit 3

For the Month of: FEBRUARY 2024

<u>Line No.</u>	<u>Item Description</u>	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	208.00
b.	Capacity (average load) (MW)	124.58
c.	Net Demonstrated Capacity (MW)	165.00
d.	Net Capability Factor (L1b / L1c) (%)	75.50
2.	<u>Heat Rate:</u>	
a.	BTU's Consumed (MMBTU)	16,769
b.	Gross Generation (MWH)	1,512
c.	Net Generation (MWH)	1,495
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,217
3.	<u>Operating Availability:</u>	
a.	Hours Unit Operated	12
b.	Hours Available	696
c.	Hours During the Period	696
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	<u>Cost per KWH:</u>	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 33 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 33 of Appendix A)

* Unit is leased to LKE with a PPA through April 30, 2019.

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Cooper 1 & 2

For the Month of: FEBRUARY 2024

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) | 5.943 |
| | b. | Net Generation - FAC Basis (cents / KWH) | 7.752 |

Inventory Analysis:

- | | | | |
|----|----|--|----|
| 5. | a. | Number of Days Supply based on
actual burn at the station | 50 |
|----|----|--|----|

Company Name: East Kentucky Power Cooperative, Inc.

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

For the Month of: FEBRUARY 2024

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 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)	3.072
b.	Net Generation - FAC Basis (cents / KWH)	3.415
5.	<u>Inventory Analysis:</u>	
a.	Number of Days Supply based on actual burn at the stations for Spurlock 1 & 2 and Gilbert	56

Company Name: East Kentucky Power Cooperative, Inc.

Format 1

Station Name - Unit Number: Gilbert Unit 3

For the Month of: FEBRUARY 2024

Line		<u>Item Description</u>	
No.		<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)	2.727
	b.	Net Generation - FAC Basis (cents / KWH)	3.107
		<u>Inventory Analysis:</u>	
5.	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: J. K. Smith Combustion Turbine 1, 2, 3, 4, 5, 6, 7, 9, 10

For the Month of: FEBRUARY 2024

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 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)	3.179
b.	Net Generation - FAC Basis (cents / KWH)	3.330
5.	<u>Inventory Analysis</u>	
a.	Number of Hours Supply based on actual burn at the station	45

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Bavarian Landfill Generating Units

For the Month of: FEBRUARY 2024

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 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)	0.876
b.	Net Generation - FAC Basis (cents / KWH)	0.876
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: FEBRUARY 2024

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 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)	0.876
b.	Net Generation - FAC Basis (cents / KWH)	0.876
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: FEBRUARY 2024

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 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)	0.876
b.	Net Generation - FAC Basis (cents / KWH)	0.876
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: FEBRUARY 2024

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)	0.876
b.	Net Generation - FAC Basis (cents / KWH)	0.876
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: FEBRUARY 2024

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 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)	0.000
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 caculation and cost per kwh shown above.

Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name Bluegrass Unit 1 , 2, and 3

For the Month of: FEBRUARY 2024

Line

No. Item Description1. Unit Performance:

- 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 - 23 of Appendix A)

2. Heat Rate:

- a. BTU's Consumed (MMBTU)
- b. Gross Generation (MWH)
- c. Net Generation (MWH)
- d. Heat Rate (L2a / L2c) (BTU / KWH) (See page 21 - 23 of Appendix A)

3. Operating Availability:

- a. Hours Unit Operated
- b. Hours Available
- c. Hours During the Period
- d. Availability Factor (L3b / L3c) (%) (See page 21 - 23 of Appendix A)

4. Cost per KWH:

- a. Gross Generation - FAC Basis (cents /KWH) 4.632
- b. Net Generation - FAC Basis (cents / KWH) 4.680

5. Inventory Analysis

- a. Number of Hours Supply based on
actual burn at the station 29

Cooper - Number of Days Supply	50
Spurlock - Number of Days Supply	56
Smith - Number of Hours Supply	45
Bluegrass - Number of Hours Supply	29
Bavarian Ridge Landfill - Number of Hours Supply	N/A
Green Valley 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
Glassgow 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 February 2024

Appendix B
Format 1

		P B D U	P O C N	M T	Tons Purchased	BTU P/LB.	NO. MMBT	F.O.B. Mine Price P/Ton	\$ Per MMBTU	Trans. Cost Per Ton	\$ Per MMBTU	Del. Cost Per Ton	\$ Per MMBTU	State	% Sulfur	% Ash	% Moisture
Station & Supplier		(A)	(B)	(C)													
Cooper 1 & 2		Station															
LT Contract Suppliers																	
Weighted Average																	
Spot Market Suppliers																	
BLACKHAWK COAL SALES, LLC		P	0000251687	T	10,195	12386	24.77	97.50	393.6	0.00	0.0	97.50	393.6	EKY	1.4	11.2	5.4
Weighted Average					10,195	12386	24.77	97.50	393.6	0.00	0.0	97.50	393.6				
Station Average					10,195	12386	24.77	97.50	393.6	0.00	0.0	97.50	393.6				

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 February 2024

Appendix B
Format 1

Station & Supplier		P B D U	P O C N	M T	Tons Purchased	BTU P/LB.	NO. MMBT	F.O.B. Mine Price P/Ton	\$ Per MMBTU	Trans. Cost Per Ton	\$ Per MMBTU	Del. Cost Per Ton	\$ Per MMBTU	State	% Sulfur	% Ash	% Moisture
		(A)	(B)	(C)													
Spurlock 1 & 2		Station															
LT Contract Suppliers																	
ALLIANCE COAL LLC		P	0000000542	B	15,137	12533	25.07	41.74	166.5	6.71	26.8	48.45	193.3	WV	3.5	8.8	7.0
ALLIANCE COAL LLC		P	0000000554	B	50,313	11436	22.87	41.55	181.7	8.00	35.0	49.55	216.7	WKY	3.1	9.4	11.8
FORESIGHT COAL SALES LLC		P	0000000556	B	11,599	11493	22.99	32.26	140.3	8.00	34.8	40.26	175.2	IL	2.7	8.5	13.1
ALLIANCE COAL LLC		P	0000000558	B	83,149	11458	22.92	87.19	380.5	8.00	34.9	95.19	415.4	WKY	3.1	9.5	11.7
Weighted Average					160,198	11555	23.11	64.59	279.5	7.88	34.1	72.47	313.6				
Spot Market Suppliers																	
RIVER TRADING COMPANY, LTD		B	0000551645	B	3,231	10701	21.40	89.22	416.9	3.83	17.9	93.05	434.8	EKY	3.3	14.1	12.2
Weighted Average					3,231	10701	21.40	89.22	416.9	3.83	17.9	93.05	434.8				
Station Average					163,429	11538	23.08	65.07	282.0	7.80	33.8	72.87	315.8				

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 February 2024

Appendix B
Format 1

Station & Supplier		P B D U	P O C N	M T	Tons Purchased	BTU P/LB.	NO. MMBT	F.O.B. Mine Price P/Ton	\$ Per MMBTU	Trans. Cost Per Ton	\$ Per MMBTU	Del. Cost Per Ton	\$ Per MMBTU	State	% Sulfur	% Ash	% Moisture
		(A)	(B)	(C)													
Spurlock 3 & 4		Station															
LT Contract Suppliers																	
B & N COAL INC		P	0000000824	B	14,781	11454	22.91	40.06	174.9	6.29	27.5	46.35	202.3	OH	4.9	16.3	5.4
ALLIANCE COAL LLC		P	0000000838	B	26,612	11468	22.94	41.86	182.5	8.00	34.9	49.86	217.4	WKY	3.1	9.4	11.8
B & N COAL INC		P	0000000840	B	9,794	11664	23.33	106.08	454.7	6.29	27.0	112.37	481.7	OH	4.5	15.1	5.3
FORESIGHT COAL SALES LLC		P	0000000842	B	8,272	11452	22.90	34.91	152.4	8.00	34.9	42.91	187.3	IL	2.8	8.5	13.4
CCU COAL & CONSTRUCTION, LLC		P	0000000844	B	28,325	11337	22.67	75.71	333.9	6.60	29.1	82.31	363.0	OH	4.7	15.3	7.0
B & N COAL INC		P	0000000846	B	4,853	11508	23.02	47.74	207.4	6.29	27.3	54.03	234.7	OH	5.1	15.7	5.9
Weighted Average					92,637	11447	22.89	58.40	255.1	7.03	30.7	65.43	285.8				
Spot Market Suppliers																	
CCU COAL & CONSTRUCTION, LLC		P	0000851667	B	7,051	11291	22.58	44.71	198.0	6.60	29.2	51.31	227.2	OH	4.8	15.5	7.1
CCU COAL & CONSTRUCTION, LLC		B	0000851686	B	1,752	11583	23.17	84.19	363.4	6.94	30.0	91.13	393.4	OH	2.8	12.7	8.3
Weighted Average					8,803	11349	22.70	52.57	231.6	6.67	29.4	59.24	261.0				
Station Average					101,440	11439	22.88	57.89	253.1	7.00	30.6	64.89	283.6				
System Average					275,064	11533	23.07	63.63	276.0	7.21	31.3	70.84	307.1				

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 FEBRUARY 2024

Format 2

FUEL & SUPPLIER	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)	% SQ (J)
(A)									
OIL SUPPLIER:									
PETROLEUM TRADERS	D	43665	T	COOPER	7,551	138600	\$ 23,147.21	2212	0.00
SARATOGA RACK MARKETING	D	43664	T	COOPER	0	138600	\$ 74.61		0.00
TOTAL OIL				COOPER	7,551		\$ 23,221.82		

(B) DESIGNATED BY SYMBOL

P = PRODUCER
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(D) MT = MODE OF TRANSPORTATION

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

EAST KENTUCKY POWER COOPERATIVE

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Format 2

FUEL & SUPPLIER	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)	% SQ (J)
(A)									
OIL SUPPLIER:									
MARATHON PETROLEUM	D	43663	T	SPURLOCK	-	138600	\$ -	0	0.00
PETROLEUM TRADERS	D	43665	T	SPURLOCK	-	138600	\$ -	0	0.00
TOTAL OIL				SPURLOCK	-		-		

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EAST KENTUCKY POWER COOPERATIVE

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Format 2

FUEL & SUPPLIER	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)	% SQ (J)
(A)									
OIL SUPPLIER:									
PETROLEUM TRADERS	D	43665	T	SMITH	30,212	138600	\$ 90,803.67	2169	0.00
TOTAL OIL				SMITH	30,212		\$ 90,803.67		

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EAST KENTUCKY POWER COOPERATIVE

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Format 2

FUEL & SUPPLIER	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)	% SQ (J)
(A)									
OIL SUPPLIER:									
PETROLEUM TRADERS	D	43665	T	BLUEGRASS	-	138600	\$ -	0	0.00
TOTAL OIL				BLUEGRASS	-		\$ -		

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EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF FEBRUARY 2024

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)
NATURAL GAS SUPPLIER:									
TGP CASHOUT	P	5013	P	SMITH CT	(7,507.00)	1000	\$ (15,385.39)	205	0.00
TGP-SCHEDULE CHGS	P	5014	P	SMITH CT	16,678.00	1000	\$ 4,633.69	28	0.00
UNITED ENERGY TRADING	P	5032	P	SMITH CT	-	1000	\$ -	0	0.00
ECO ENERGY	P	5030	P	SMITH CT	-	1000	\$ -	0	0.00
SEQUENT	P	5012	P	SMITH CT	-	1000	\$ -	0	0.00
TENASKA MARKETING	P	5999	P	SMITH CT	327,300.00	1000	\$ 964,301.00	295	0.00
NJR ENERGY	P	5018	P	SMITH CT	-	1000	\$ -	0	0.00
SOUTHWEST ENERGY	P	5031	P	SMITH CT	-	1000	\$ -	0	0.00
NRG BUSINESS MARKETING	P	5993	P	SMITH CT	-	1000	\$ -	0	0.00
NEXTERA ENERGY	P	5033	P	SMITH CT	-	1000	\$ -	0	0.00
TOTAL NATURAL GAS SMITH STATION				SMITH CT	336,471.00		953,549.30		

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EAST KENTUCKY POWER COOPERATIVE

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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)	% SQ (J)
NATURAL GAS SUPPLIER:									
TGT CASHOUT	P	5995	P	BLUEGRASS CT	-	1000	\$ (470.29)	0	0.00
TGT-PIPELINE CHGS	P	5996	P	BLUEGRASS CT	-	1000	\$ 87,379.63	0	0.00
ECO ENERGY	P	5998	P	BLUEGRASS CT	17,272.00	1000	\$ 25,562.56	148	0.00
TENASKA MARKETING	P	5999	P	BLUEGRASS CT	14,845.00	1000	\$ 23,009.75	155	0.00
NJR ENERGY	P	5997	P	BLUEGRASS CT	-	1000	\$ -	0	0.00
SEQUENT	P	5994	P	BLUEGRASS CT	-	1000	\$ -	0	0.00
NRG BUSINESS MARKETING	P	5993	P	BLUEGRASS CT	-	1000	\$ -	0	0.00
NEXTERA ENERGY	P	5033	P	BLUEGRASS CT	7,437.00	1000	\$ 15,692.07	211	0.00
TOTAL NATURAL GAS BLUEGRASS STATION				BLUEGRASS CT	39,554.00		151,173.72		

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EAST KENTUCKY POWER COOPERATIVE

Appendix B

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF FEBRUARY 2024

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	43644	T	SPURLOCK	2,016.64	14484	\$ 93,491.47	108.7	0.00
TOTAL TDF				SPURLOCK	2,016.64		93,491.47		

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

Rates	0.660
Btu	12000
Mmbtu	1,000,000

Detail Charges
February 29, 2024

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

Vendor ID 15399

GC
MMBTU

Amount
Due

30,378

20,049.48

TOTAL AMOUNT DUE

20,049.48

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

Rates(Conforming Gas)	0.750
Btu	12000
Mmbtu	1,000,000

Detail Charges
February 29, 2024

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

Vendor ID 15493

Phone - 800-844-3512

GC MMBTU	Amount Due
16,572	12,429.00

TOTAL AMOUNT DUE	12,429.00
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East Kentucky Power Cooperative
P. O. Box 707
Winchester, Kentucky 40392-0707

Rates 0.750
BTU 12000
MMBTU 1,000,000

Detail Charges
February 29, 2024

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

Vendor ID 11558

Pendleton County Landfill GC
MMBTU

Amount
Due

Methane Gas 21,754 16,315.50

TOTAL AMOUNT DUE \$ 16,315.50

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

Rates 0.750
BTU 12000
MMBTU 1,000,000

Detail Charges
February 29, 2024

Republic Services
Pearl Hollow Landfill - 3067
P O Box 677839
Dallas, TX 75267

V# 15754

Payment: Republic Services, Inc.
Kentucky Landfill Division
2150 S. Dixie Hwy
Elizabethtown, Ky 42701
Phone: 270-234-9278

GC
MMBTU

Amount
Due

11,897

8,922.75

TOTAL AMOUNT DUE

8,922.75

Smith	
Heat Rate:	16,034
Highest Cost Fuel for Month:	
Gas:	3.870

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **COOPER STATION**

Month Ended: **February 2024**

Fuel: **COAL**

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per Unit
Beginning Inventory	178,123.37	\$ 26,098,803.96	\$146.52
Purchases	10,195.25	994,063.30	\$97.50
Adjustments (1)	0.00	0.00	\$0.00
Subtotal	188,318.62	27,092,867.26	\$143.87
Less Fuel Used Unit #1	5,657.00	813,872.59	\$143.87
Less Fuel Used Unit #2	1,365.50	196,454.49	\$143.87
Total Burn	<u>7,022.50</u>	<u>1,010,327.08</u>	\$143.87
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	181,296.12	\$ 26,082,540.18	\$143.87

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

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **COOPER STATION**

Month Ended: **February 2024**

Fuel: **OIL**

	(Units) <u>Gallons</u>	<u>Amount</u>	Amount Per Unit
Beginning Inventory	18,829.00	\$ 55,564.45	\$2.9510
Purchases	7,551.00	23,221.82	\$3.0753
Subtotal	26,380.00	78,786.27	\$2.9866
Less Fuel Used - Non Gen	0.00	0.00	\$0.0000
Less Fuel Used - Gen	<u>7,674.00</u>	<u>22,919.17</u>	\$2.9866
Total Burn	7,674.00	22,919.17	\$2.9866
Adjustments (1)	0.00	0.00	\$0.0000
Ending Inventory	18,706.00	\$ 55,867.10	\$2.9866

(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: **February 2024**

Fuel: **OIL**

	(Units) <u>Gallons</u>		<u>Amount</u>	Amount Per Unit
Beginning Inventory	250,560.00	\$	737,851.23	\$2.9448
Purchases	0.00		0.00	\$0.0000
Subtotal	250,560.00		737,851.23	\$2.9448
Less Fuel Used	30,624.00		90,181.55	\$2.9448
Adjustments (1)	0.00		0.00	\$0.0000
Ending Inventory	219,936.00	\$	647,669.68	\$2.9448

(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: **February 2024**

Fuel: **TDF**

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per Unit
Beginning Inventory	446.65	\$ 21,436.54	\$47.99
Purchases	2,016.64	93,491.47	\$46.36
Adjustments (1)	0.00	0.00	\$0.00
Subtotal	2,463.29	114,928.01	\$46.66
Less Fuel Used #3	2,129.00	99,331.25	\$46.66
Less Fuel Used #4	0.00	0.00	\$0.00
Total Burn	2,129.00	99,331.25	\$46.66
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	334.29	\$ 15,596.76	\$46.66

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

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **SCRUBBER COAL**

Month Ended: **February 2024**

Fuel: **COAL**

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per Unit
Beginning Inventory	457,466.91	\$ 37,021,583.40	\$80.93
Purchases	163,428.75	11,909,580.36	\$72.87
Adjustments (1)	(3,320.61)	(226,848.76)	\$68.32
Adjustments (1)	11,603.06	580,929.47	\$50.07
Adjustments (2)	0.00	124,855.50	\$0.00
Adjustments (3)	0.00	0.00	\$0.00
Adjustments (4)	0.00	0.00	\$0.00
Subtotal	629,178.11	49,410,099.97	\$78.53
Less Fuel Used #1	64,772.00	5,086,545.16	\$78.53
Less Fuel Used #2	109,781.00	8,621,101.93	\$78.53
Total Burn	174,553.00	13,707,647.09	\$78.53
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	454,625.11	\$ 35,702,452.88	\$78.53
(1) Interplant Transfers	\$354,080.71		
(2) Fuel Solvent	\$124,855.50		
(3) Government Impositions	\$0.00		
(4) Other Transportation Charges	\$0.00		

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

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

Month Ended: **February 2024**

Fuel: **COAL**

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per Unit
Beginning Inventory	489,539.16	\$ 35,288,123.46	\$72.08
Purchases	101,440.32	6,582,528.14	\$64.89
Adjustments (1)	3,320.61	226,848.76	\$68.32
Adjustments (1)	(11,603.06)	(580,929.47)	\$50.07
Adjustments (2)	0.00	0.00	\$0.00
Adjustments (3)	0.00	0.00	\$0.00
Adjustments (4)	0.00	0.00	\$0.00
Subtotal	582,697.03	41,516,570.89	\$71.25
Less Fuel Used #3	54,062.00	3,851,917.50	\$71.25
Less Fuel Used Sp#4	76,814.00	5,472,997.50	\$71.25
Total Burn	130,876.00	9,324,915.00	\$71.25
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	451,821.03	\$ 32,191,655.89	\$71.25
(1) Interplant Transfers	(\$354,080.71)		
(2) Government Impositions	\$0.00		
(3) Other Transportation Charges	\$0.00		
(4) Transfers In From Off-Site Storage Facility	\$0.00		

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **SMITH GENERATING FACILITY**

Month Ended: **February 2024**

Fuel: **OIL**

	(Units) <u>Gallons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	3,561,009.00	\$ 8,435,026.05	\$2.3687
Purchases	30,212.00	\$90,803.67	\$3.0055
Subtotal	3,591,221.00	8,525,829.72	\$2.3741
Less Fuel Used - Non Gen	154.00	365.61	\$2.3741
Less Fuel Used - Gen	5,439.00	12,912.73	\$2.3741
Total Burn	5,593.00	13,278.34	\$2.3741
Adjustments (1)	0.00	\$0.00	\$0.0000
Ending Inventory	3,585,628.00	\$ 8,512,551.38	\$2.3741

(1) Phy Inv Adj

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **BLUEGRASS GENERATING FACILITY**

Month Ended: **February 2024**

Fuel: **OIL**

	(Units) <u>Gallons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	1,214,414.00	\$ 3,361,093.29	\$2.7677
Purchases	0.00	0.00	\$0.0000
Subtotal	1,214,414.00	3,361,093.29	\$2.7677
Less Fuel Used - Non Gen	65.00	179.90	\$2.7677
Less Fuel Used - Gen	<u>0.00</u>	<u>0.00</u>	\$0.0000
Total Burn	65.00	179.90	\$2.7677
Adjustments (1)	0.00	0.00	\$0.0000
Ending Inventory	1,214,349.00	\$ 3,360,913.39	\$2.7677

(1) Phy Inv Adj

Company: **East Kentucky Power Cooperative**

FUEL INVENTORY SCHEDULE

Plant: **DOCK'S CREEK STORAGE FACILITY**

Month Ended: **February 2024**

Fuel: **COAL**

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per Unit
Beginning Inventory	0.00	\$0.00	\$0.00
Purchases	0.00	0.00	\$0.00
Adjustments (1)	0.00	0.00	\$0.00
Subtotal	0.00	0.00	\$0.00
Transferred to GILBERT #3 & SPUR #4 STATION-CFB	0.00	0.00	\$0.00
Total Burn	0.00	0.00	\$0.00
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	0.00	0.00	\$0.00
(1) Transportation Related Charges	\$0.00		

PJM DAY AHEAD AND BALANCING

PJM Charge Code

Amount

FEBRUARY 2024

1210	33,935.43	DA Transmission Congestion
1215	(86,614.29)	Balancing Transmission Congestion
1218	-	Planning Period Congestion Uplift
1220	54,654.93	DA Transmission Losses
1225	24,309.95	Balancing Transmission Losses
1230	658.06	Inadvertent Interchange
1250	12,208.07	Meter Error Correction
1260	-	Emergency Energy
1370	17,675.32	Day-ahead Operating Reserve
1375	26,902.22	Balancing Operating Reserve
1420	(45.55)	Load Recon for Trans Losses
2210	-	Transmission Congestion Credit (Replaced by 2211 & 2215)
2211	2,028.06	DA Transmission Congestion Credit
2215	300,993.01	Balancing Transmission Congestion Credit
2217	-	Planning Period Excess Congestion Credit
2218	-	Planning Period Congestion Uplift
2220	(292,423.17)	Transmission Losses Credit
2260	-	Emergency Energy Credit
2370	-	Day-ahead Operating Reserve Credit
2375	(650,091.31)	Balancing Operating Reserve Credit
2420	(25.35)	Load Recon for Trans Losses Credit

(555,834.62) Total PJM Balancing