

Company EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Month Ended JANU

JANUARY 2025

Billing Components

<u>Company</u>	Type of Transaction	<u>KWH</u>	Fuel Charges (\$)	Margin(+) or	Total Charges (\$)
<u>Purchases</u>				Loss (-)	
Boone County Publix Library	Qualifying Facilty	1,736	48		48
Brookfield Renewable Trading & Marketing, LP	Qualifying Facilty	43,717,000	2,273,284		2,273,284
Cox Interior	Qualifying Facilty	16,457	596		596
David Hoover	Qualifying Facilty	2,569	91		91
Fleming Co. Schools	Qualifying Facilty	589	15		15
Gallrein Farms Shelby County	Qualifying Facilty	2,700	86		86
Global Mail, Inc., DBA DHL eCommerce	Qualifying Facility	35	1		1
Larry B Schmidt	Qualifying Facility	3,733	136		136
Lock 7 Generator	Qualifying Facility	683,365	39,320		39,320
Merit Farms of Kentucky, LLC (formerly D/B/A Agriresources of KY, LLC)	Qualifying Facility	8,052	331		331
National Guard Armory	Qualifying Facility	182	5		5
PJM	Economy	324,702,000	16,550,165		16,550,165
Southeast Power	Qualifying Facility	36,587,000	532,378		532,378
Swope Enterprise	Qualifying Facility	5,487	193		193
Swope Hyundi	Qualifying Facility	3,383	113		113
Coops	Buy Thru(Coops)	(15,124,489)	(1,366,848)		(1,366,848)
Saloma & Cranston	Compressor Facility	(8,339,171)	(343,907)		(343,907)
Fuel Cost Credit (per Case No. 2000-00496-B)		• • • •	· · ·		· · ·
LF/REG (Gallatin Special Contract)			81,863		81,863

TOTAL <u>382,270,628</u> <u>17,767,870</u> - <u>17,767,870</u>



EAST KENTUCKY POWER COOPERATIVE, INC. POWER TRANSACTION SCHEDULE

Month Ended JANUARY 2025

Billing Components

<u>Company</u> <u>Sales</u>	Type of Transaction	<u>кwн</u>	Fuel Charges (\$)	Margin(+) or Loss (-)	Total Charges (\$)
РЈМ	Economy	18,782,000	1,302,869	1,411,805	2,714,674

TOTAL <u>18,782,000</u> <u>1,302,869</u> <u>1,411,805</u> <u>2,714,674</u>

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Format 1

Station	n Name - Unit Number:	Cooper Unit 1	
For the	e Month of:	JANUARY 2025	
Line <u>No.</u>		Item Description	
1.		Unit Performance:	
	a.	Capacity (name plate rating) (MW)	100.00
	b.	Capacity (average load) (MW)	79.11
	c.	Net Demonstrated Capacity (MW)	116.00
	d.	Net Capability Factor (L1b / L1c) (%)	68.20
2.		Heat Rate:	
	a.	BTU's Consumed (MMBTU)	372,751
	b.	Gross Generation (MWH)	37,980
	с.	Net Generation (MWH)	35,363
	d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,541
3.		Operating Availability:	
	a.	Hours Unit Operated	447
	b.	Hours Available	742
	с.	Hours During the Period	744
	d.	Availability Factor (L3b / L3c) (%)	99.73
4.		Cost per KWH:	
	a.	Gross Generation - FAC Basis (cents / KWH)	
	b.	Net Generation - FAC Basis (cents / KWH)	(See page 24 of Appendix A)
5.		Inventory Analysis:	
	a.	Number of Days Supply based on	(See page 24 of Appendix A)
		actual burn at the station	(See page 21 of Appendix A)

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Format 1

Station	Name - Unit Number:	Cooper Unit 2	
For the	Month of:	JANUARY 2025	
Line <u>No.</u>		Item Description	
1.		Unit Performance:	
	a.	Capacity (name plate rating) (MW)	220.85
	b.	Capacity (average load) (MW)	175.51
	c.	Net Demonstrated Capacity (MW)	225.00
	d.	Net Capability Factor (L1b / L1c) (%)	78.00
2.		Heat Rate:	
	a.	BTU's Consumed (MMBTU)	905,967
	b.	Gross Generation (MWH)	95,345
	c.	Net Generation (MWH)	86,703
	d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,449
3.		Operating Availability:	
	a.	Hours Unit Operated	494
	b.	Hours Available	744
	c.	Hours During the Period	744
	d.	Availability Factor (L3b / L3c) (%)	100.00
4.		Cost per KWH:	
	a.	Gross Generation - FAC Basis (cents / KWH)	
	а. b.	Net Generation - FAC Basis (cents / KWH)	(See page 24 of Appendix A)
5.		Inventory Analysis	
		Inventory Analysis:	(6
	a.	Number of Days Supply based on actual burn at the station	(See page 24 of Appendix A)

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Format 1

Station	n Name - Unit Number:	Spurlock Unit 1	
For the	e Month of:	JANUARY 2025	
Line <u>No.</u>		Item Description	
1.		Unit Performance:	
	a.	Capacity (name plate rating) (MW)	340.28
	b.	Capacity (average load) (MW)	293.64
	c.	Net Demonstrated Capacity (MW)	300.00
	d.	Net Capability Factor (L1b / L1c) (%)	97.88
2.		Heat Rate:	
	a.	BTU's Consumed (MMBTU)	2,276,324
	b.	Gross Generation (MWH)	236,294
	c.	Net Generation (MWH)	218,469
	d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,419
3.		Operating Availability:	
	a.	Hours Unit Operated	744
	b.	Hours Available	744
	c.	Hours During the Period	744
	d.	Availability Factor (L3b / L3c) (%)	100.00
4.		Cost per KWH:	
	a.	Gross Generation - FAC Basis (cents / KWH)	
	b.	Net Generation - FAC Basis (cents / KWH)	(See page 25 of Appendix A)
5.		Inventory Analysis:	
	a.	Number of Days Supply based on	(See page 25 of Appendix A)
		actual burn at the station	(See page 20 of Appendix A)

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Format 1

Station Name - Unit Number: For the Month of:	Spurlock Unit 2 JANUARY 2025	
Line No.	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	585.77
b.	Capacity (average load) (MW)	498.66
c.	Net Demonstrated Capacity (MW)	510.00
d.	Net Capability Factor (L1b / L1c) (%)	97.78
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	3,699,963
b.	Gross Generation (MWH)	402,623
c.	Net Generation (MWH)	371,006
d.	Heat Rate (L2a / L2c) (BTU / KWH)	9,973
3.	Operating Availability:	
a.	Hours Unit Operated	744
b.	Hours Available	744
с.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See page 25 of Appendix A)
5.	Inventory Analysis:	
a		(See page 25 of Amountin A)
а.	Number of Days Supply based on actual burn at the station	(See page 25 of Appendix A)

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Format 1

(See page 26 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

<u> </u>	<u> </u>	
Station Name - Unit Number:	Gilbert Unit 3	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	294.00
b.	Capacity (average load) (MW)	260.73
c.	Net Demonstrated Capacity (MW)	268.00
d.	Net Capability Factor (L1b / L1c) (%)	97.29
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	1,993,813
b.	Gross Generation (MWH)	214,395
c.	Net Generation (MWH)	192,938
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,334
3.	Operating Availability:	
a.	Hours Unit Operated	740
b.	Hours Available	740
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	99.46
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 26 of Appendix A)

5. Inventory Analysis:

a. Number of Days Supply based on actual burn at the station (See page 26 of Appendix A)

Net Generation - FAC Basis (cents / KWH)

b.

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Format 1

Station	Name - Unit Number:	Spurlock Unit 4		
For the	Month of:	JANUARY 2025		
Line <u>No.</u>		Item Description		
1.		Unit Performance:		
	a.	Capacity (name plate rating) (MW)	298.00	
	b.	Capacity (average load) (MW)	259.39	
	c.	Net Demonstrated Capacity (MW)	268.00	
	d.	Net Capability Factor (L1b / L1c) (%)	96.79	
2.		Heat Rate:		
	a.	BTU's Consumed (MMBTU)	1,984,831	
	b.	Gross Generation (MWH)	216,688	
	c.	Net Generation (MWH)	192,984	
	d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,285	
3.		Operating Availability:		
	a.	Hours Unit Operated	744	
	b.	Hours Available	744	
	c.	Hours During the Period	744	
	d.	Availability Factor (L3b / L3c) (%)	100.00	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents / KWH)		
	b.	Net Generation - FAC Basis (cents / KWH)	(See page 25 of Appen	dix A)
5.				
٥.		Inventory Analysis:		
	a.	Number of Days Supply based on actual burn at the station	(See page 25 of Append	lix A)

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Format 1

(See page 27 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name -	Unit Number:	Smith Unit 1

For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	110.50 *
b.	Capacity (average load) (MW)	108.76
с.	Net Demonstrated Capacity (MW)	104.00
d.	Net Capability Factor (L1b / L1c) (%)	104.58
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	275,775
b.	Gross Generation (MWH)	22,293
с.	Net Generation (MWH)	22,078
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,491
3.	Operating Availability:	
а.	Hours Unit Operated	203
b.	Hours Available	733
с.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	98.52
4.	Cost per KWH:	
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)
_		

Inventory Analysis:

Number of Days Supply based on actual burn at the station

5.

a.

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

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Format 1

(See page 27 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number:	Smith Unit 2	

For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	110.50 *
b.	Capacity (average load) (MW)	116.18
c.	Net Demonstrated Capacity (MW)	104.00
d.	Net Capability Factor (L1b / L1c) (%)	111.71
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	228,197
b.	Gross Generation (MWH)	18,455
c.	Net Generation (MWH)	18,240
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,511
3.	Operating Availability:	
	Hours Unit Operated	157
a. b.	Hours Available	744
с.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4	Cost par KWH.	
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	(See page 27 of Appendix A)
ь.	Net Generation - FAC Basis (cents / KWH)	(p.gppenamit)
5.	Inventory Analysis:	

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

Number of Days Supply based on actual burn at the station

a.

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147

744

744

100.00

Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Smith Unit 3

Operating Availability:

Hours Unit Operated Hours Available

Hours During the Period

Availability Factor (L3b / L3c) (%)

Station Name - Unit Number:

Line		
<u>Vo.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	110.50 *
b.	Capacity (average load) (MW)	120.33
c.	Net Demonstrated Capacity (MW)	104.00
d.	Net Capability Factor (L1b / L1c) (%)	115.70
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	221,861
b.	Gross Generation (MWH)	17,904
c.	Net Generation (MWH)	17,689
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,542

4. <u>Cost per KWH:</u>

3.

b.

c. d.

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)

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

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Format 1

(See page 27 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Numb	per: Smith Unit 4	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	72.90 *
b.	Capacity (average load) (MW)	93.52
c.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	126.16
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	210,316
b.	Gross Generation (MWH)	18,078
с.	Net Generation (MWH)	17,863
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,774
3.	Operating Availability:	
a.	Hours Unit Operated	191
b.	Hours Available	744
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See page 27 of Appendix A)
5.	Inventory Analysis:	

Number of Days Supply based on actual burn at the station

a.

 $^{^{\}star}$ Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

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12,966

Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Smith Unit 5

Station Name - Unit Number:

d.

For the Month of:	JANUARY 2025		
Line <u>No.</u>	Item Description		
1.	Unit Performance:		
a.	Capacity (name plate rating) (MW)	72.90 *	
b.	Capacity (average load) (MW)	62.69	
c.	Net Demonstrated Capacity (MW)	74.13	
d.	Net Capability Factor (L1b / L1c) (%)	84.57	
2.	Heat Rate:		
2.			
a.	BTU's Consumed (MMBTU)	161,750	
b.	Gross Generation (MWH)	12,690	
c.	Net Generation (MWH)	12,475	

3.	Operating Av	ailability:

a.	Hours Unit Operated	199
b.	Hours Available	744
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00

Heat Rate (L2a / L2c) (BTU / KWH)

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)

 $^{^{\}star}$ Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

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72.90 *

64.66

100.00

Format 1

Company Name: East Kentucky Power Cooperative, Inc.

a.

b.

d.

Station Name - Unit Number:	Smith Unit 6
For the Month of:	JANUARY 2025
Line <u>No.</u>	Item Description
1.	Unit Performance:

с.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	87.23
2.	Heat Rate:	

Capacity (name plate rating) (MW)

Capacity (average load) (MW)

a.	BTU's Consumed (MMBTU)	172,080
b.	Gross Generation (MWH)	13,762
c.	Net Generation (MWH)	13,644
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,612

3.	Operating Availability:	
a.	Hours Unit Operated	211
b.	Hours Available	744
c.	Hours During the Period	744

Availability Factor (L3b / L3c) (%)

4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	(S
b.	Net Generation - FAC Basis (cents / KWH)	(See page 27 of Appendix A)

5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	(See page 27 of Appendix A)

 $^{^{\}star}$ Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number:	Smith Unit 7	

For the Month of:	JANUARY 2025	
Line No.	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	72.90 *
b.	Capacity (average load) (MW)	64.36
c.	Net Demonstrated Capacity (MW)	74.13
d.	Net Capability Factor (L1b / L1c) (%)	86.82
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	179,557
ь. b.	Gross Generation (MWH)	14,245
с.	Net Generation (MWH)	14,094
d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,740
3.	Operating Availability:	
a.	Hours Unit Operated	219
b.	Hours Available	744
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
а. b.	Net Generation - FAC Basis (cents / KWH)	(See page 27 of Appendix A)
5.	The Busin (cents) (cents)	
5.	Inventory Analysis:	
a.	Number of Days Supply based on	(See page 27 of Appendix A)

 $^{^{\}star}$ Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

actual burn at the station

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Format 1

(See page 27 of Appendix A)

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Num	ber: Smith Unit 9	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	<u>Unit Performance:</u>	
a.	Capacity (name plate rating) (MW)	85.00 *
b.	Capacity (average load) (MW)	75.68
c.	Net Demonstrated Capacity (MW)	88.00
d.	Net Capability Factor (L1b / L1c) (%)	86.00
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	204,035
b.	Gross Generation (MWH)	22,942
с.	Net Generation (MWH)	22,250
d.	Heat Rate (L2a / L2c) (BTU / KWH)	9,170
3.	Operating Availability:	
a.	Hours Unit Operated	294
b.	Hours Available	744
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
а.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See page 27 of Appendix A)
5.	Inventory Analysis:	

Number of Days Supply based on actual burn at the station

a.

 $^{^{\}star}$ Unit Rated at 95 degree F, 50% Relative Humidity @ 14.3 psia.

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264

635

744

85.35

Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Smith Unit 10

Hours Unit Operated Hours Available

Hours During the Period

Availability Factor (L3b / L3c) (%)

Station Name - Unit Number:

Line		
No.	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	85.00 *
b.	Capacity (average load) (MW)	72.80
c.	Net Demonstrated Capacity (MW)	88.00
d.	Net Capability Factor (L1b / L1c) (%)	82.73
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	179,624
b.	Gross Generation (MWH)	19,830
c.	Net Generation (MWH)	19,218
d.	Heat Rate (L2a / L2c) (BTU / KWH)	9,347

4. <u>Cost per KWH:</u>

b.

c. d.

a.	Gross Generation - FAC Basis (cents / KWH)	(See page 27 of Annoydig A)
b.	Net Generation - FAC Basis (cents / KWH)	(See page 27 of Appendix A)

^{5. &}lt;u>Inventory Analysis:</u>

a. Number of Days Supply based on (See page 27 of Appendix A) actual burn at the station

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

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Format 1

Station Name - Unit Number:	Bavarian Landfill Generating Units		
For the Month of:	JANUARY 2025		
Line No.	Item Description		
1.	Unit Performance:		
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.	Heat Rate:		
a.	BTU's Consumed (MMBTU)	29,338	
b.	Gross Generation (MWH)	2,746	
c.	Net Generation (MWH)	2,631	
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,151	
3.	Operating Availability:		
а.	Hours Unit Operated	723	
b.	Hours Available	723	
c.	Hours During the Period	744	
d.	Availability Factor (L3b / L3c) (%)	97.18	
4.	Cost per KWH:		
а.	Gross Generation - FAC Basis (cents / KWH)		
b.	Net Generation - FAC Basis (cents / KWH)	(See Page 28 of Append	ix A)
5.	Inventory Analysis:		
a.	Number of Days Supply based on actual burn at the station	(See Page 28 of Append	ix A)

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Format 1

Station	Name - Unit Number:	Green Valley Landfill Generating Units	
For the	Month of:	JANUARY 2025	
Line <u>No.</u>		Item Description	
1.		Unit Performance:	
	a.	Capacity (name plate rating) (MW)	2.40
	b.	Capacity (average load) (MW)	2.14
	с.	Net Demonstrated Capacity (MW)	2.40
	d.	Net Capability Factor (L1b / L1c) (%)	89.17
2.		Heat Rate:	
	a.	BTU's Consumed (MMBTU)	17,391
	b.	Gross Generation (MWH)	1,412
	с.	Net Generation (MWH)	1,380
	d.	Heat Rate (L2a / L2c) (BTU / KWH)	12,602
3.		Operating Availability:	
	a.	Hours Unit Operated	644
	b.	Hours Available	724
	с.	Hours During the Period	744
	d.	Availability Factor (L3b / L3c) (%)	97.31
4.		Cost per KWH:	
	a.	Gross Generation - FAC Basis (cents / KWH)	
	b.	Net Generation - FAC Basis (cents / KWH)	(See Page 29 of Appendix A)
5.		Inventory Analysis:	
	a.	Number of Days Supply based on actual burn at the station	(See Page 29 of Appendix A)

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Format 1

Station Name - Unit Number:	Hardin Co. Generating Units	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	2.40
b.	Capacity (average load) (MW)	3.00
с.	Net Demonstrated Capacity (MW)	2.40
d.	Net Capability Factor (L1b / L1c) (%)	125.00
2.	Heat Rate:	
а.	BTU's Consumed (MMBTU)	
b.	Gross Generation (MWH)	0
с.	Net Generation (MWH)	0
d.	Heat Rate (L2a / L2c) (BTU / KWH)	0
3.	Operating Availability:	
a.	Hours Unit Operated	0
ь.	Hours Available	744
с.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See Page 30 of Appendix A)
5.		
J.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	(See Page 30 of Appendix A)

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Format 1

Station Name - Unit Number:	Pendleton Co.Generating Units	
For the Month of:	JANUARY 2025	
Line No.	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	3.20
b.	Capacity (average load) (MW)	2.99
c.	Net Demonstrated Capacity (MW)	3.20
d.	Net Capability Factor (L1b / L1c) (%)	93.44
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	25,241
b.	Gross Generation (MWH)	2,226
c.	Net Generation (MWH)	2,144
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,773
3.	Operating Availability:	
а.	Hours Unit Operated	716
b.	Hours Available	716
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	96.24
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See Page 31 of Appendix A)
5.	Inventory Analysis:	
а.		
et.	Number of Days Supply based on actual burn at the station	(See Page 31 of Appendix A)

APPENDIX A Page 20 of 34

Format 1

Station Name - Unit Number:	Glasgow Landfill Generating Unit	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	1.00
b.	Capacity (average load) (MW)	0.56
c.	Net Demonstrated Capacity (MW)	0.90
d.	Net Capability Factor (L1b / L1e) (%)	62.22
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	4,882
и. b.	Gross Generation (MWH)	392
с.	Net Generation (MWH)	371
d.	Heat Rate (L2a / L2c) (BTU / KWH)	13,159
3.	Operating Availability:	
	Hours Unit Operated	667
a. b.	Hours Available	689
о.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	92.61
4.	Cost per KWH:	
	Gross Generation - FAC Basis (cents / KWH)	
a. b.	Net Generation - FAC Basis (cents / KWH)	(See Page 32 of Appendix A)
u.	Tet Generation - FAC Dasis (Cents / RWH)	(See Fuge 62 of Appendix A)
5.	Inventory Analysis:	
а.	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.

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Format 1

Station Name - Unit Number:	Bluegrass Station Unit 1	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	208.00
b.	Capacity (average load) (MW)	144.08
c.	Net Demonstrated Capacity (MW)	165.00
d.	Net Capability Factor (L1b / L1c) (%)	87.32
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	217,629
b.	Gross Generation (MWH)	19,938
с.	Net Generation (MWH)	19,739
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,025
3.	Operating Availability:	
a.	Hours Unit Operated	137
а. b.	Hours Available	744
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See page 33 of Appendix A)
5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	(See page 33 of Appendix A)

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Format 1

Station Name - Unit Number:	Bluegrass Station Unit 2	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	208.00
b.	Capacity (average load) (MW)	145.98
c.	Net Demonstrated Capacity (MW)	165.00
d.	Net Capability Factor (L1b / L1c) (%)	88.47
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	201,284
b.	Gross Generation (MWH)	18,448
c.	Net Generation (MWH)	18,394
d.	Heat Rate (L2a / L2c) (BTU / KWH)	10,943
3.	Operating Availability:	
		106
a.	Hours Unit Operated	126
b.	Hours Available	744
c.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	(6 22 64 21 4)
b.	Net Generation - FAC Basis (cents / KWH)	(See page 33 of Appendix A)
5.	Inventory Analysis:	
a.	Number of Days Supply based on actual burn at the station	(See page 33 of Appendix A)

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Format 1

Station Name - Unit Number:	Bluegrass Station Unit 3	
For the Month of:	JANUARY 2025	
Line <u>No.</u>	Item Description	
1.	Unit Performance:	
a.	Capacity (name plate rating) (MW)	208.00
b.	Capacity (average load) (MW)	139.85
с.	Net Demonstrated Capacity (MW)	165.00
d.	Net Capability Factor (L1b / L1c) (%)	84.76
2.	Heat Rate:	
a.	BTU's Consumed (MMBTU)	82,860
b.	Gross Generation (MWH)	7,498
c.	Net Generation (MWH)	7,412
d.	Heat Rate (L2a / L2c) (BTU / KWH)	11,179
,	Operating Availability	
3.	Operating Availability:	
a.	Hours Unit Operated	53
b.	Hours Available	744
с.	Hours During the Period	744
d.	Availability Factor (L3b / L3c) (%)	100.00
4.	Cost per KWH:	
a.	Gross Generation - FAC Basis (cents / KWH)	
b.	Net Generation - FAC Basis (cents / KWH)	(See page 33 of Appendix A)
5.	Inventory Analysis:	
а.	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.

(See pages 1 - 2 of Appendix A)

(See pages 1 - 2 of Appendix A)

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Unit Number: Cooper 1 & 2

For the Month of: JANUARY 2025

Item Description

Line

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) (%)
 - **Heat Rate:**
- a. BTU's Consumed (MMBTU)
 b. Gross Generation (MWH)
 c. Net Generation (MWH)
 d. Heat Rate (L2a / L2c) (BTU / KWH)

Operating Availability:

3. a. Hours Unit Operated
b. Hours Available
c. Hours During the Period
d. Availability Factor (L3b / L3c) (%)

ability Factor (L3b / L3c) (%) (See pages 1 - 2 of Appendix A)

Cost per KWH:

 4.
 a.
 Gross Generation - FAC Basis (cents / KWH)
 5.128

 b.
 Net Generation - FAC Basis (cents / KWH)
 5.601

Inventory Analysis:

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

20

Format 1

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Company Name: East Kentucky Power Cooperative, Inc.

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

For the Month of: JANUARY 2025

Line

No. **Item Description**

1. **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 pages 3, 4, 6 of Appendix A)
- 2. **Heat Rate:**
 - a. BTU's Consumed (MMBTU)
 - **Gross Generation (MWH)** b.
 - Net Generation (MWH) c.
 - d. Heat Rate (L2a / L2c) (BTU / KWH) (See pages 3, 4, 6 of Appendix A)
- 3. **Operating Availability:**
 - **Hours Unit Operated**
 - b. **Hours Available**
 - c. **Hours During the Period**
 - Availability Factor (L3b / L3c) (%) (See pages 3, 4, 6 of Appendix A)
- 4. Cost per KWH:
 - Gross Generation FAC Basis (cents /KWH) 2.703 a. 2.966
 - Net Generation FAC Basis (cents / KWH) b.
- 5. **Inventory Analysis:**
 - a. Number of Days Supply based on actual burn at the stations for Spurlock 1 & 2 and Gilbert

27

(See page 25 of Appendix A)

Format 1

Station N	Name - Unit Nun	nber: Gilbert Unit 3		
For the N	Month of:	JANUARY 2025		
		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 page 5 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 page 5 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 5 of Appendix A)	
		Cost per KWH:		
4.	a.	Gross Generation - FAC Basis (cents /KWH)		2.940
	b.	Net Generation - FAC Basis (cents / KWH)		3.267
		Inventory Analysis:		
5.	a.	Number of Days Supply based on		

actual burn at the station

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Format 1

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 M	onth of:	JANUARY 2025		
Line				
No.		<u>Item Description</u>		
1.		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 7- 15 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 7- 15 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 7- 15 of Appendix A)	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents /KWH)	1	10.107
	b.	Net Generation - FAC Basis (cents / KWH)	1	10.277
5.		Inventory Analysis		
	a.	Number of Hours Supply based on		
		actual burn at the station		44

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Bavarian Landfill Generating Units

For the N	Month of:	JANUARY 2025		
Line				
No.		Item Description		
1.		Unit Performance:		
	_	Compaits (name plate mating) (BMM)		
	a.	Capacity (name plate rating) (MW)		
	b.	Capacity (average load) (MW)		
	c. d.	Net Demonstrated Capacity (MW)	(Con many 16 of Amena din A)	
	a.	Net Capability Factor (L1b / L1c) (%)	(See page 16 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 16 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 16 of Appendix A)	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents /KWH)		0.925
	b.	Net Generation - FAC Basis (cents / KWH)		0.925
5.		Inventory Analysis		
	a.	Number of Hours Supply based on		
		actual burn at the station		N/A
				-

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Green Valley Landfill Generating Units

For the N	Month of:	JANUARY 2025		
Line				
No.		<u>Item Description</u>		
1.		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 17 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 17 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 17 of Appendix A)	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents /KWH)		0.925
	b.	Net Generation - FAC Basis (cents / KWH)		0.925
5.		Inventory Analysis		
	a.	Number of Hours Supply based on		
		actual burn at the station		N/A

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Hardin County Landfill Generating Units

For the M	Month of:	JANUARY 2025		
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.		Heat Rate:		
	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.		Operating Availability:		
	a.	Hours Unit Operated		
	b.	Hours Available		
	c.	Hours During the Period		
	d.	Availability Factor (L3b / L3c) (%)	(See page 18 of Appendix A)	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents /KWH)		0.925
	b.	Net Generation - FAC Basis (cents / KWH)		0.925
5.		Inventory Analysis		
	a.	Number of Hours Supply based on		
		actual burn at the station		N/A

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name - Pendleton County Landfill Generating Units

For the I	Month of:	JANUARY 2025		
Line				
No.		Item Description		
1.		Half Daufarmana		
1.		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 19 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 19 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 19 of Appendix A)	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents /KWH)		0.925
	b.	Net Generation - FAC Basis (cents / KWH)		0.925
5.		Inventory Analysis		
	a.	Number of Hours Supply based on		
		actual burn at the station		N/A

Format 1

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Station Na	me	Glasgow Landfill Generating Unit		
For the Mo	onth of:	JANUARY 2025		
Line				
No.		Item Description		
1.		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 20 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 20 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 20 of Appendix A)	
4.		Cost per KWH:		
	a.	Gross Generation - FAC Basis (cents /KWH)		0.000
	b.	Net Generation - FAC Basis (cents / KWH)		0.000
5.		Inventory Analysis		
	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.

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Format 1

Company Name: East Kentucky Power Cooperative, Inc.

Station Name Bluegrass Unit 1, 2, and 3

For the Month of: JANUARY 2025

Line

No. Item Description

- 1. Unit Performance:
 - Capacity (name plate rating) (MW) a.
 - 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:**
 - 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**
 - **Hours Available** b.
 - c. **Hours During the Period**
 - d. Availability Factor (L3b / L3c) (%)
- 4. Cost per KWH:
 - Gross Generation FAC Basis (cents /KWH) 16.667 a. b.
 - Net Generation FAC Basis (cents / KWH) 16.791
- 5. **Inventory Analysis**
 - a. Number of Hours Supply based on

actual burn at the station

52

(See page 21 - 23 of Appendix A)

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Format 1

Cooper - Number of Days Supply	20
Spurlock - Number of Days Supply	27
Smith - Number of Hours Supply	44
Bluegrass - Number of Hours Supply	52
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.

Analysis of Coal Purchase For The Month Of January 2025

	P	P														
	В	O					F.O.	.B. Mine	Tra	ns. Cost	De	l. Cost				
	D	C	M	Tons	BTU	NO.	Price	\$ Per	Per	\$ Per	Per	\$ Per		%	%	%
Station & Supplier	U	<u>N</u>	<u>T</u>	Purchased	P/LB.	MMBT	P/Ton	MMBTU	Ton	MMBTU	Ton	MMBTU	State	Sulfur	Ash	Moisture
	(A)	(B)	(C)													

Cooper 1 & 2 Station

LT Contract Suppliers

Weighted Average

Spot Market Suppliers

B & W RESOURCES INC	P	0000251692	T	969	11816	23.63	91.15	385.7	0.00	0.0	91.15	385.7	EKY	1.2	14.7	5.8
4TH GEN FUELS LLC	P	0000251702	T	8,390	11852	23.70	93.19	393.2	0.00	0.0	93.19	393.2	EKY	1.0	13.9	7.0
JRL COAL, INC.	P	0000251704	T	1,039	12625	25.25	106.05	420.0	0.00	0.0	106.05	420.0	EKY	1.4	9.8	6.1
BLACKHAWK COAL SALES, LLC	P	0000251705	T	2,543	13513	27.03	123.87	458.3	0.00	0.0	123.87	458.3	EKY	1.2	6.5	5.0
Weighted Average				12,940	12238	24.48	100.10	409.0	0.00	0.0	100.10	409.0				
Station Average				12,940	12238	24.48	100.10	409.0	0.00	0.0	100.10	409.0				

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

Analysis of Coal Purchase For The Month Of January 2025

Station & Supplier	P B D <u>U</u> (A)	P O C <u>N</u> (B)	M T (C)	Tons Purchased	BTU P/LB.	NO. MMBT	F.O. Price <u>P/Ton</u>	B. Mine \$ Per MMBTU	Trai Per <u>Ton</u>	s. Cost \$ Per MMBTU	De Per <u>Ton</u>	l. Cost \$ Per MMBTU	State	% Sulfur	% _Ash_	% Moisture
Spurlock 1 & 2 Station																
LT Contract Suppliers																
IRON COAL SALES, LLC	P	0000000560	В	13,811	12923	25.85	49.91	193.1	8.23	31.9	58.14	224.9	PA	3.3	7.9	6.6
ALLIANCE COAL LLC	P	0000000562	В	38,211	11427	22.85	49.11	214.9	7.35	32.2	56.47	247.1	WKY	3.0	9.2	12.3
Weighted Average				52,022	11824	23.65	49.32	208.6	7.59	32.1	56.91	240.7				
Spot Market Suppliers																
FORESIGHT COAL SALES LLC	P	0000551680	В	19,555	11578	23.16	46.21	199.6	7.35	31.7	53.56	231.3	IL	3.0	8.1	12.8
IRON COAL SALES, LLC	P	0000551694	В	4,380	12831	25.66	49.17	191.6	8.21	32.0	57.38	223.6	PA	3.0	8.4	6.8
FORESIGHT COAL SALES LLC	P	0000551701	В	38,597	11493	22.99	43.10	187.5	7.39	32.1	50.48	219.6	IL	2.9	8.2	13.1
Weighted Average				62,532	11613	23.23	44.50	191.6	7.47	32.2	51.96	223.7				
Station Average				114,553	11709	23.42	46.69	199.4	7.52	32.1	54.21	231.5				

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 = brokerU = utility (B) POCN = purchase order or contract number

(C) MT = mode of transportation designated by symbol R = railT = truckB = bargeP = pipeline

Analysis of Coal Purchase For The Month Of January 2025

	P	P					F.O.1	B. Mine	Trai	ns. Cost	Del	l. Cost				
Station 9 Samulton	B D	O C	M	Tons Purchased	BTU P/LB.	NO. MMBT	Price	\$ Per	Per	\$ Per	Per Ton	\$ Per MMBTU	State	% S-16	% ^-1-	%
Station & Supplier	$\frac{\mathbf{U}}{(\mathbf{A})}$	<u>N</u> (B)	$\frac{\mathbf{T}}{(\mathbf{C})}$	1 urchaseu	1/LD.	NINIDI	P/Ton	MMBTU	<u>Ton</u>	MMBTU	1011	MINIDIO	State	Sulfur	Ash	Moisture
Spurlock 3 & 4 Station																
LT Contract Suppliers																
B & N COAL INC	P	0000000840	В	8,130	10995	21.99	96.24	437.6	5.78	26.3	102.02	463.9	ОН	4.1	16.3	8.4
CCU COAL & CONSTRUCTION, LLC	P	0000000844	В	13,637	11411	22.82	74.69	327.3	6.06	26.6	80.75	353.8	ОН	5.2	14.9	6.2
B & N COAL INC	P	0000000846	В	9,745	11347	22.69	45.99	202.7	5.86	25.8	51.85	228.5	ОН	4.3	14.7	7.9
B & N COAL INC	P	0000000848	В	9,809	11134	22.27	45.14	202.7	5.78	26.0	50.92	228.7	ОН	5.1	17.0	6.8
CCU COAL & CONSTRUCTION, LLC	P	0000000850	В	6,768	11590	23.18	50.06	216.0	6.06	26.1	56.12	242.1	ОН	5.2	15.1	5.7
Weighted Average				48,088	11296	22.59	63.02	278.9	5.92	26.2	68.94	305.1				
Spot Market Suppliers																
CCU COAL & CONSTRUCTION, LLC	P	0000851700	В	1,675	11151	22.30	49.78	223.2	6.19	27.8	55.97	251.0	ОН	5.3	15.7	6.8
Weighted Average				1,675	11151	22.30	49.78	223.2	6.19	27.8	55.97	251.0				
Station Average				49,763	11291	22.58	62.58	277.1	5.92	26.2	68.50	303.3				
System Average				177,257	11630	23.26	55.05	237.0	6.50	27.9	61.54	264.6				
Note: Transportation cost for coal				(A) Desig	nated by sy	mbol		(B) POCN	N = purch	nase	(C	c) MT = mode	e of trans	portation		
delivered by truck cannot be				P = produ	icer D =	distributor		order or c			de	signated by s	ymbol			
determined, therefore is not included in trans. cost				B = broke	er U=1	utility		number					T = truck P = pipel			
averages												-				

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

FUEL & SUPPLIER (A)	P B D <u>U</u> (B)	P O C <u>N</u> (C)	M <u>T</u> (D)	STATION NAME (E)	GAL. OR CU. FT. <u>PURCHASED</u> (F)	BTU PER <u>UNIT</u> (G)	Di	ELIVERED COST (H)	¢ PER <u>MMBTU</u> (I)	% <u>SO</u> (J)
OIL SUPPLIER:										
VALOR	D	43682	T	COOPER	15,097	138600	\$	41,036.68	1961	0.00
TARTAN OIL	D	43680	T	COOPER	7,541	138600	\$	19,709.86	1886	0.00
TOTAL OIL				COOPER	22,638		\$	60,746.54		

(D) MT = MODE OF TRANSPORTATION
DESIGNATED BY SYMBOL
R = RAIL T = TRUCK
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ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

FUEL & SUPPLIER (A)	P B D <u>U</u> (B)	P O C <u>N</u> (C)	M <u>T</u> (D)	STATION NAME (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	43681	T	SPURLOCK	30,229	138600	\$ 69,214.93	1652	0.00
VALOR	D	43682	T	SPURLOCK	7,564	138600	\$ 19,936.43	1902	0.00
TOTAL OIL				SPURLOCK	37,793		89,151.36		

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ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

FUEL & SUPPLIER (A)	P B D <u>U</u> (B)	P O C <u>N</u> (C)	M <u>T</u> (D)	STATION NAME (E)	GAL. OR CU. FT. <u>PURCHASED</u> (F)	BTU PER <u>UNIT</u> (G)	DI	ELIVERED <u>COST</u> (H)	¢ PER <u>MMBTU</u> (I)	% <u>SO</u> (J)
OIL SUPPLIER:										
VALOR	D	43682	T	SMITH	19,155	138600	\$	51,205.14	1929	0.00
TOTAL OIL				SMITH	19,155		\$	51,205.14		

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U = UTILITY

(D) MT = MODE OF TRANSPORTATION DESIGNATED BY SYMBOL R = RAIL T = TRUCK Format 2

B = BARGE P = PIPELINE

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

FUEL & SUPPLIER (A)	P B D <u>U</u> (B)	P O C <u>N</u> (C)	M <u>T</u> (D)	STATION NAME (E)	GAL. OR CU. FT. <u>PURCHASED</u> (F)	BTU PER <u>UNIT</u> (G)	D	ELIVERED <u>COST</u> (H)	¢ PER <u>MMBTU</u> (I)	% <u>SO</u> (J)
OIL SUPPLIER:										
VALOR	D	43682	T	BLUEGRASS	-	138600	\$	-	0	0.00
PETROLEUM TRADERS	D	43683	T	BLUEGRASS	-	138600	\$	497.38	0	0.00
TOTAL OIL				BLUEGRASS	-		\$	497.38		

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Format 2

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

FUEL & SUPPLIER (A)	P B D <u>U</u> (B)	P O C <u>N</u> (C)	M <u>T</u> (D)	STATION NAME (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	-	1000	\$ (234.98)	0	0.00
TGP-SCHEDULE CHGS	P	5014	P	SMITH CT	-	1000	\$ -	0	0.00
UNITED ENERGY TRADING	P	5032	P	SMITH CT	785,000.00	1000	\$ 8,563,750.00	1091	0.00
ECO ENERGY	P	5030	P	SMITH CT	20,000.00	1000	\$ 400,000.00	2000	0.00
SEQUENT	P	5012	P	SMITH CT	620,500.00	1000	\$ 3,790,200.00	611	0.00
TENASKA MARKETING	P	5999	P	SMITH CT	-	1000	\$ -	0	0.00
NJR ENERGY	P	5018	P	SMITH CT	15,734.00	1000	\$ 77,096.60	490	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
CONOCO PHILLIPS	P	5015	P	SMITH CT	-	1000	\$ -	0	0.00
VITOL	P	5034	P	SMITH CT	297,000.00	1000	\$ 2,932,875.00	988	0.00
RADIATE	P	5035	P	SMITH CT	102,500.00	1000	\$ 427,450.00	417	0.00
TOTAL NATURAL GAS SMITH ST	ATION			SMITH CT	1,840,734.00		16,191,136.62		

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

ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

FUEL & SUPPLIER (A)	P B D <u>U</u> (B)	P O C <u>N</u> (C)	M <u>T</u> (D)	STATION NAME (E)	GAL. OR CU. FT. <u>PURCHASED</u> (F)	BTU PER <u>UNIT</u> (G)	DELIVERED COST (H)	¢ PER <u>MMBTU</u> (I)	% <u>SO</u> (J)
NATURAL GAS SUPPLIER:									
TGT CASHOUT	P	5995	P	BLUEGRASS CT	-	1000	\$ -	0	0.00
TGT-PIPELINE CHGS	P	5996	P	BLUEGRASS CT	-	1000	\$ 121,976.72	0	0.00
ECO ENERGY	P	5998	P	BLUEGRASS CT	406,504.00	1000	\$ 6,506,980.64	1601	0.00
TENASKA MARKETING	P	5999	P	BLUEGRASS CT	-	1000	\$ -	0	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	116,180.00	1000	\$ 1,016,799.70	875	0.00
NEXTERA ENERGY	P	5033	P	BLUEGRASS CT	-	1000	\$ -	0	0.00
UNITED ENERGY TRADING	P	5032	P	BLUEGRASS CT	-	1000	\$ -	0	0.00
TOTAL NATURAL GAS BLUEGRA	SS STATI	ON		BLUEGRASS CT	522,684.00		7,645,757.06		

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ANALYSIS OF OTHER FUEL PURCHASES FOR THE MONTH OF JANUARY 2025

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)	LIVERED COST (H)	¢ PER MMBTU (I)	% SO (J)
TDF SUPPLIER:									
LIBERTY TIRE RECYCLING	D	43687	T	SPURLOCK	131.61	14484	\$ 6,573.92	172.4	0.00
M.A. ASSOCIATES	D	43688	T	SPURLOCK	42.47	14484	\$ 2,017.33	164.0	0.00
TOTAL TDF				SPURLOCK	174.08		8,591,25		

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

> 0.969 **Rates** 12000 Btu

1,000,000 Mmbtu

Detail Charges January 31, 2025

Due To: **Vendor ID Bavarian Waste Services** 15399

12764 McCoy Fork Rd Walton, Kentucky 41094

> GC **MMBTU**

Amount Due

> 29,338 28,428.52

TOTAL AMOUNT DUE 28,428.52

P. O. Box 707

Winchester, Kentucky 40392-0707

Rates(Conforming Gas) Btu Mmbtu 0.500 12000 1,000,000

Detail Charges January 31, 2025

Due To: Green Valley Landfill

P O Box 932899

Cleveland, OH 44193

Vendor ID

15493

Phone - 800-844-3512

GC MMBTU

Amount Due

17,391

8,695.50

TOTAL AMOUNT DUE 8,695.50

P. O. Box 707

Winchester, Kentucky 40392-0707

Rates 0.750 BTU 12000

MMBTU 1,000,000

Detail Charges
January 31, 2025

Due To: Rumpke

P. O. Box 538710

Cincinnati, Ohio 45253 Cust # 4100177647 Vendor ID 11558

Pendleton County Landfill GC

MMBTU

Amount

Due

Methane Gas 25,241 18,930.75

TOTAL AMOUNT DUE \$ 18,930.75

P. O. Box 707

Winchester, Kentucky 40392-0707

 Rates
 0.401

 BTU
 12000

 MMBTU
 1,000,000

Detail Charges January 31, 2025

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 GC Elizabethtown, Ky 42701 MMBTU

Phone: 270-234-9278

Amount Due

0.00

TOTAL AMOUNT DUE 0.00

2/11/25

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

Purchase Power Calculation for FAC for: January 2025

420.52

Prepared By: Teresa Guile

Data Source - PJM MSRS Sales/Purchases Report

Purchase Power Obligations

Data Source - PJIVI IVISKS Sa	iles/Purchases Report					Pur	chase Powe	er Obligatio	ons	-				
						<u>N</u>	/wh Exclud	ed from FA	<u>c</u>					
					Total / Hr	Sales to	Sales to	Other	Total	Mwh over	Actual	Max Cost	Excluded Cost	Total Excluded
Hour Ending Inter	face	MW	Net Cost	Rate	Purchased	Gallatin	TGP	Sales	Sales	Max MW	Cost /MWh	Allowed /MWh	per MW	from Fuel
			-		-					- :	\$ -	-	-	-

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

Blue Grass Heat Rate:	17,164
Average Cost Fuel for Month:	
Gas:	24.500

FUEL INVENTORY SCHEDULE

Plant: COOPER STATION

Month Ended: January 2025

Fuel: COAL

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	113,624.05	\$ 14,169,628.04	\$124.71
Purchases	12,940.04	1,295,301.13	\$100.10
Adjustments (1)	0.00	0.00	\$0.00
Subtotal	126,564.09	15,464,929.17	\$122.19
Less Fuel Used Unit #1 Less Fuel Used Unit #2 Total Burn	16,052.50 39,371.50 55,424.00	1,961,454.98 4,810,803.59 6,772,258.57	\$122.19 \$122.19 \$122.19
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	71,140.09	\$ 8,692,670.60	\$122.19

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

FUEL INVENTORY SCHEDULE

Plant: COOPER STATION

Month Ended: January 2025

Fuel: OIL

	(Units) <u>Gallons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	24,602.00	\$ 59,115.00	\$2.4029
Purchases	22,638.00	60,746.54	\$2.6834
Subtotal	47,240.00	119,861.54	\$2.5373
Less Fuel Used - Non Gen Less Fuel Used - Gen Total Burn	0.00 25,426.00 25,426.00	 0.00 64,513.39 64,513.39	\$0.0000 \$2.5373 \$2.5373
Adjustments (1)	0.00	0.00	\$0.0000
Ending Inventory	21,814.00	\$ 55,348.15	\$2.5373

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

FUEL INVENTORY SCHEDULE

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

Month Ended: January 2025

Fuel: OIL

	(Units) <u>Gallons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	291,392.00	\$ 744,711.51	\$2.5557
Purchases	37,793.00	89,151.36	\$2.3589
Subtotal	329,185.00	833,862.87	\$2.5331
Less Fuel Used	34,081.00	86,330.58	\$2.5331
Adjustments (1)	0.00	0.00	\$0.0000
Ending Inventory	295,104.00	\$ 747,532.29	\$2.5331

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

FUEL INVENTORY SCHEDULE

Plant: CFB - GILBERT #3 TDF

Month Ended: January 2025

Fuel: TDF

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	0.00	\$ -	\$0.00
Purchases	174.08	8,591.25	\$49.35
Adjustments (1)	0.00	0.00	\$0.00
Subtotal	174.08	8,591.25	\$49.35
Less Fuel Used #3 Less Fuel Used #4 Total Burn	16.00 0.00 16.00	789.64 0.00 789.64	\$49.35 \$0.00 \$49.35
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	158.08	\$ 7,801.61	\$49.35

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

FUEL INVENTORY SCHEDULE

Plant: SCRUBBER COAL

Month Ended: January 2025

Fuel: COAL

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	372,740.15	\$ 25,737,162.66	\$69.05
Purchases	114,553.32	6,209,975.02	\$54.21
Adjustments (1)	0.00	0.00	\$0.00
Adjustments (1)	0.00	0.00	\$0.00
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	487,293.47	32,071,993.18	\$65.82
Less Fuel Used #1	98,733.00	6,498,606.06	\$65.82
Less Fuel Used #2	160,731.00	10,579,314.42	\$65.82
Total Burn	259,464.00	 17,077,920.48	\$65.82
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	227,829.47	\$ 14,994,072.70	\$65.81
(1) Interplant Transfers	\$0.00		
(2) Fuel Solvent	\$124,855.50		
(3) Government Impositions	\$0.00		
(4) Other Transportation Charges	\$0.00		

FUEL INVENTORY SCHEDULE

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

Month Ended: January 2025

Fuel: COAL

	(Units) <u>Tons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	335,689.49	\$ 22,359,091.53	\$66.61
Purchases	49,763.44	3,408,832.85	\$68.50
Adjustments (1)	0.00	0.00	\$0.00
Adjustments (1)	0.00	0.00	\$0.00
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	385,452.93	25,767,924.38	\$66.85
Less Fuel Used #3	88,839.00	5,938,887.15	\$66.85
Less Fuel Used Sp#4	88,490.00	5,915,556.50	\$66.85
Total Burn	177,329.00	 11,854,443.65	\$66.85
Phy Inv Adj	0.00	0.00	\$0.00
Ending Inventory	208,123.93	\$ 13,913,480.73	\$66.85
(1) Interplant Transfers	\$0.00		
(2) Government Impositions	\$0.00		
(3) Other Transportation Charges	\$0.00		
(4) Transfers In From Off-Site Storage Facility	\$0.00		

FUEL INVENTORY SCHEDULE

Plant: SMITH GENERATING FACILITY

Month Ended: January 2025

Fuel: OIL

	(Units) <u>Gallons</u>	Amount	Amount Per <u>Unit</u>
Beginning Inventory	3,491,434.00	\$ 8,288,925.37	\$2.3741
Purchases	19,155.00	\$51,205.14	\$2.6732
Subtotal	3,510,589.00	8,340,130.51	\$2.3757
Less Fuel Used - Non Gen Less Fuel Used - Gen Total Burn	270.00 0.00 270.00	 641.44 0.00 641.44	\$2.3757 \$0.0000 \$2.3757
Adjustments (1)	0.00	\$0.00	\$0.0000
Ending Inventory	3,510,319.00	\$ 8,339,489.07	\$2.3757

⁽¹⁾ Phy Inv Adj

FUEL INVENTORY SCHEDULE

Plant: BLUEGRASS GENERATING FACILITY

Month Ended: January 2025

Fuel: OIL

	(Units) <u>Gallons</u>	<u>Amount</u>	Amount Per <u>Unit</u>
Beginning Inventory	2,201,039.00	\$ 6,093,202.08	\$2.7683
Purchases	0.00	497.38	\$0.0000
Subtotal	2,201,039.00	6,093,699.46	\$2.7686
Less Fuel Used - Non Gen Less Fuel Used - Gen Total Burn	226.00 583.00 809.00	 625.70 1,614.09 2,239.79	\$2.7686 \$2.7686 \$2.7686
Adjustments (1)	0.00	0.00	\$0.0000
Ending Inventory	2,200,230.00	\$ 6,091,459.67	\$2.7686

⁽¹⁾ Phy Inv Adj

PJM DAY AHEAD AND BALANCING

PJM Charge Code

Amount

JANUARY 2025

1210 181,058.57	DA Transmission Congestion
1215 439,724.62	Balancing Transmission Congestion
1218 -	Planning Period Congestion Uplift
1220 705,330.99	DA Transmission Losses
1225 399,168.05	Balancing Transmission Losses
1230 (10,763.21) Inadverdent Interchange
1250 -	Meter Error Correction
1260 -	Emergency Energy
1370 3,236,187.44	Day-ahead Operating Reserve
1375 4,972,697.01	Balancing Operating Reserve
1420 (2.67) Load Recon for Trans Losses
2210 -	Transmission Congestion Credit (Replaced by 2211 & 2215)
2211 435,427.35	DA Transmission Congestion Credit
2215 3,147,159.47	Balancing Transmission Congestion Credit
2217 -	Planning Period Excess Congestion Credit
2218 -	Planning Period Congestion Uplift
2220 (1,846,605.70) Transmission Losses Credit
2260 -	Emergency Energy Credit
•) Day-ahead Operating Reserve Credit
) Balancing Operating Reserve Credit
2420 (1.29) Load Recon for Trans Losses Credit

10,496,955.02 Total PJM Balancing