

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_1 For the period under review, provide the amount of coal purchased in tons and the percentage of purchases that were spot versus contract.

RESPONSE

Please see KPCO_R_KPSC_1_01_Attachment1 for the requested information. For purposes of the Company's monthly fuel adjustment clause back-up filings, Kentucky Power defines a spot purchase as an agreement with a term of one year or less. To permit the Commission to reconcile this response to the Company's fuel adjustment clause back-up filings, the term "spot purchase" is likewise defined for purposes of KPCO_R_KPSC_1_01_Attachment1 as any purchase with a term of one year or less.

The Company's definition of spot purchase for purposes of this response and Kentucky Power's fuel adjustment clause back-up filings differs slightly from that used by Staff (defining spot purchase as less than one year) and the accompanying response by Kentucky Power.

Witness: Jeffrey C. Dial

Counterparty	Type of Purchase	Total Tons
Contura Coal Sales, LLC*	Contract	50,537
Contura Coal Sales, LLC**	Contract	28,447
Blackhawk Coal Sales, LLC	Contract	5,904
Blackhawk Coal Sales, LLC	Contract	34,836
ACNR Coal Sales, INC.	Contract	175,500
Javelin Global Commodities (UK) Ltd	Spot	15,546

TOTAL	310,769
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Total Contract	95%
Total Spot	5%

*Includes Alpha Coal Sales Co., LLC following the name change

**Originally executed as a Spot purchase, but amended with the Term in excess of one year.

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- 1_2** For the period under review, list each coal purchase made under a long term contract (one year or greater). For each purchase, list:
- a. Contract or purchase order number;
 - b. The supplier's name;
 - c. The location(s) of production facilities from which the coal is sourced;
 - d. The method of delivery, (i.e., barge, truck, rail, other);
 - e. The actual quantity received during the review period;
 - f. The tonnage requirement for the review period; and
 - g. Current price paid per ton.

RESPONSE

Please see KPCO_R_PSC_1_02_Attachment1 for the requested information. For purposes of the Company's monthly fuel adjustment clause back-up filings, Kentucky Power defines a spot purchase as an agreement with a term of one year or less. To permit the Commission to reconcile this response to the Company's fuel adjustment clause back-up filings, the term "spot purchase" is likewise defined for purposes of KPCO_R_PSC_1_02_Attachment1 as any purchase with a term of one year or less.

The Company's definition of spot purchase for purposes of this response and Kentucky Power's fuel adjustment clause back-up filings differs slightly from that used by Staff (defining spot purchase as less than one year) and the accompanying response by Kentucky Power.

Witness: Jeffrey C. Dial

This response is provided for the time period of November 1, 2020 through April 30, 2021 and lists all pertinent fuel contract information requested. Tonnage information is reported per Kentucky Power ownership share.

a. Contract/Purchase Order No.	b. Supplier Name	c. Location of Production Facilities	d. Method of Delivery	e. Tonnage Quantity Received During Review Period	f. Tonnage Quantity Requirement for Review Period	g. Current Price per Ton	
03-00-18-004	Contura Coal Sales, LLC	Mammoth, Black Castle, Republic, Empire- Kanawha, Boone, Raleigh Counties, WV	Barge	52,759	39,167	\$59.00	Note 1 Note 2 Note 4
03-00-19-002	Javelin Global Commodities (UK) Ltd	Point Lick Mine, Kanawha County, West Virginia , Alloy Mine, Fayette County, West Virginia and Progress	Barge	15,546	20,000	\$50.50	Note 1
03-00-18-008	Blackhawk Coal Sales, LLC	Blue Creek Mine, Kanawha, WV	Barge	5,904	6,250	\$64.00	Note 1 Note 3
03-00-18-009	Contura Coal Sales, LLC	Mammoth, Black Castle, Republic, Empire- Kanawha, Boone, Raleigh Counties, WV	Barge	27,196	13,826	\$63.00	Note 1 Note 2 Note 3 Note 4
03-00-18-010	Blackhawk Coal Sales, LLC	Blue Creek Mine, Kanawha, WV	Barge	34,836	38,065	\$65.00	Note 1 Note 2
07-77-05-900	ACNR Coal Sales, INC.	McElroy Mine, Marshall County, WV and Century Mine, Belmont/Monroe Counties, OH	Conveyor	175,500	331,653	\$45.00	Note 1 Note 2

- Note 1 Seller agreed to non-ratable shipment volumes for the period
- Note 2 Company negotiated with supplier to defer tons to a later period to manage inventory piles
- Note 3 All contractual tonnage requirements met
- Note 4 Includes Alpha Coal Sales Co., LLC following the name change

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DATA REQUEST

1_3

As of the last day of the review period:

- a. State the coal inventory level in tons and in number of days' supply. Provide this information by generating station and in the aggregate.
- b. Describe the criteria used to determine number of days' supply.
- c. State the target coal inventory level for each generating station and for the total system.
- d. If actual coal inventory exceeds the target inventory by ten days' supply, state the reasons for the excess inventory.
- e. State whether any significant changes in the current coal inventory target are expected within the next 12 months. If so, state the expected change and the reasons for this change.

RESPONSE

Please see KPCO_R_KPSC_1_03_Attachment1 for the requested information.

Witness: Jeffrey C. Dial

a. As of April 30, 2021 Kentucky Power's actual coal inventory levels (Company share) were as follows:

Mitchell High Sulfur*:	169,808	tons	38	Days of Supply
Mitchell Low Sulfur*:	227,358	tons	75	Days of Supply

*Company share

b. Days' supply is determined by dividing the Company's share of tons of coal in storage by the Company's full load burn rate (tons per day).

Mitchell High Sulfur:	169,808 tons in storage as of 04/30/2021	=	38	days
	4,528 (full load burn rate* - tons per day)			

Mitchell Low Sulfur:	227,358 tons in storage as of 04/30/2021	=	75	days
	3,019 (full load burn rate* - tons per day)			

*Company share

c. As of April 30, 2021,

Mitchell High Sulfur:

Target Inventory -	15	Days
Actual Inventory Days -	38	Days
Days Over/(Under) Target -	23	Days

Mitchell Low Sulfur:

Target Inventory -	30	Days
Actual Inventory Days -	75	Days
Days Over/(Under) Target -	45	Days

d. High and Low Sulfur inventories remain above target due to lower than expected generation during the period resulting from low natural gas prices, mild winter weather and COVID-19 implications. Inventories are expected to be near target at the end of 2021.

e. No. Kentucky Power does not expect any significant changes in the coal inventory target for the Mitchell plant within the next 12 months.

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- 1_4** List each written coal supply solicitation issued during the period under review.
- a. For each solicitation, provide the date of the solicitation, the type of solicitation (contract or spot), the quantities solicited, a general description of the quality of coal solicited, the period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
 - b. For each solicitation, state the number of vendors to whom the solicitation was sent, the number of vendors who responded, and the selected vendor.
Provide the bid tabulation sheet or corresponding document that ranked the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection.
For each lowest-cost bid not selected, explain why the bid was not selected.

RESPONSE

There were no written coal supply solicitations during the review period.

Witness: Jeffrey C. Dial

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DATA REQUEST

- 1_5** List each oral coal supply solicitation issued during the period under review.
- a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the period over which deliveries were requested, and the generating unit(s) for which the coal was intended.
 - b. For each solicitation, identify all vendors solicited and the vendor selected. Provide the tabulation sheet or other document that ranks the proposals. (This document should identify all vendors who made offers.) State the reasons for each selection. For each lowest-cost bid not selected, explain why the bid was not selected.

RESPONSE

There were no oral coal supply solicitations during the period under review.

Witness: Jeffrey C. Dial

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DATA REQUEST

1_6 For the period under review, list each vendor from whom natural gas was purchased for generation and the quantities and the nature of each purchase (i.e., spot or contract).

RESPONSE

Please see KPCO_R_KPSC_1_06_Attachment1 for the requested information.

Witness: Clinton M. Stutler

Natural Gas Purchases
November 1, 2020 - April 30, 2021

Counterparty	Type of Purchase	Gross MMBTUs
Emera	Spot	200,500
IGS	Spot	45,000
J. Aron	Spot	520,500
Macquarie	Spot	2,256,602
NextEra	Spot	60,000
RangeApp	Spot	120,800
Sequent	Spot	585,000
Snyder	Spot	10,000
SPOTLIGHT	Spot	10,000
Tenaska	Spot	41,700
United Energy	Spot	46,300
VITOL	Spot	11,000

Grand Total	3,907,402
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Total Contract	0%
Total Spot	100%

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DATA REQUEST

1_7 For the period under review, state whether there were any instances in which a natural gas generating unit could not be operated when it otherwise would have run due to pipeline constraints or natural gas being unavailable.

RESPONSE

There were no instances in which a natural gas generating unit could not be operated due to pipeline constraints or natural gas being unavailable.

Witness: Clinton M. Stutler

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DATA REQUEST

1_8 State whether there have been any changes to hedging activities for coal or natural gas purchases used for generation since the previous FAC review proceeding. If so, describe the changes in detail.

RESPONSE

There were no changes to hedging activities for coal or natural gas purchases used for generation since the previous FAC review.

Witness: Clinton M. Stutler

Witness: Jeffrey C. Dial

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DATA REQUEST

- 1_9** State whether Kentucky Power has audited any of its fuel or transportation contracts during the period under review. If so, for each audited contract:
- a. Identify the contract;
 - b. Identify the auditor; and
 - c. State the results of the audit, and describe the actions that Kentucky Power took as a result of the audit.

RESPONSE

Kentucky Power did not audit any of its fuel or fuel transportation contracts during the period under review.

Witness: Clinton M. Stutler

Witness: Jeffrey C. Dial

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DATA REQUEST

- 1_10**
- a. State whether Kentucky Power is currently involved in any litigation with its current or former fuel suppliers or transportation vendors. If so, for each litigation:
- (1) Identify the supplier or vendor;
 - (2) Identify the contract involved;
 - (3) State the potential liability or recovery to Kentucky Power;
 - (4) List the issues presented; and
 - (5) Provide a copy of the complaint or other legal pleading that initiated the litigation and any answers or counterclaims. If a copy has previously been filed with the Commission, provide the date on which it was filed and the case in which it was filed.
- b. State the current status of all litigation with suppliers or vendors.

RESPONSE

Kentucky Power is not involved in any litigation with current or former fuel suppliers or transportation vendors related to fuel or fuel transportation matters.

Witness: Clinton M. Stutler

Witness: Jeffrey C. Dial

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DATA REQUEST

- 1_11**
- a. For the period under review, state whether there have been any changes to Kentucky Power's written policies and procedures regarding its fuel procurement. If yes:
- (1) Describe the changes;
 - (2) Provide the written policies and procedures as changed;
 - (3) State the date(s) the changes were made; and
 - (4) Explain why the changes were made.
- b. If no, provide the date Kentucky Power's current fuel procurement policies and procedures were last changed, provide the date when they were last provided to the Commission, and identify the proceeding in which they were provided.

RESPONSE

- a) The Company's Regulated Fuel Procurement Policy and Procedures was not modified during the period under review.
- b) The current fuel procurement policy was last modified in May 2018 and the corresponding changes were provided to the Commission in Case No. 2019-00002 on February 25, 2019.

Witness: Clinton M. Stutler

Witness: Jeffrey C. Dial

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DATA REQUEST

1_12 For the period under review, list all firm power commitments for (a) purchases and (b) sales. This list shall identify the electric utility, the amount of commitment in megawatts, and the purpose of the commitment (i.e., peaking, emergency).

RESPONSE

a. During the review period Kentucky Power Company was committed to purchase 30% of AEG's 50% share of each Rockport unit, which aggregates to 393 MW for Kentucky Power. Kentucky Power is committed for the years 2021 and through December 7, 2022 to purchase the same 393 MW under the Rockport Unit Power Agreement.

b. Firm Power sales: Commitments for Kentucky Power Company, other than retail jurisdictional customers, are the Cities of Olive Hill and Vanceburg, Kentucky, as shown below. The numbers listed below represent the customer's actual peak load for the period November 2020 through April 2021. The cities use the power for load-following service to their citizens.

	November 2020 - April 2021
City of Olive Hill (MW)	5.1
City of Vanceburg (MW)	11.2

Witness: Scott E. Bishop

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DATA REQUEST

1_13 Provide a monthly billing summary of sales to all electric utilities for the period under review.

RESPONSE

Please see KPCO_R_KPSC_1_13_Attachment1 for the requested information.

Witness: Scott E. Bishop

Tracking Code	Description
AECI2	Allegheny Electric Cooperative
AMRX2	Amerex Power, Ltd
APBE2	ICAP Energy LLC
BGCS2	BGC Environmental Brokerage Services, L.P.
BPEC	B.P. Energy Company
CEI	Citigroup Energy Inc.
DLPM	Duquesne Light Company
EVOF2	Evolution Markets Futures, LLC
EVOL2	Evolution Markets Inc.
FESC	FirstEnergy Trading Services
ICET2	ICE Trade Vault LLC
IMEA	Illinois Municipal Electric Agency
IVGE2	IVG Energy, LTD
MRETS	Midwest Renewable Energy
NASIA	Systems Integration Agreement
PJM	PJM Interconnection
PJME2	PJM Environmental Info Sys Inc
PPLT2	PPL Electric Utilities Corporation
PREE2	Tullett Prebon Americas Corp.
RBCC2	RBC Capital Market, LLC
TFSF2	TFS Energy Futures, LLC
TRED2	Trident Brokerage Services LLC
WELF2	Wells Fargo Securities, LLC
WVPA	Wabash Valley Power Assn, Inc.

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
11	2020	117		AMRX2	4470006	(97.14)	-
11	2020	117		APBE2	4470006	(146.76)	-
11	2020	117		BGCS2	4470006	(81.68)	-
11	2020	117		EVOF2	4470006	(174.37)	-
11	2020	117		ICET2	4470006	(1,039.58)	-
11	2020	117		IVGE2	4470006	(31.68)	-
11	2020	117		PREE2	4470006	(197.04)	-
11	2020	117		TFSF2	4470006	(40.19)	-
11	2020	117		TRED2	4470006	(18.21)	-
11	2020	117	PICT	DLPM	4470006	17,435.35	430,000
11	2020	117	PICT	FESC	4470006	71,218.24	1,831,000
11	2020	117	PICT	PPLT2	4470006	128,371.75	3,020,000
					4470006 Total	215,198.69	5,281,000
11	2020	117		PJM	4470010	(0.03)	-
11	2020	117		PJM	4470010	(3,481.87)	-
11	2020	117		PJM	4470010	(13,017.02)	(433,576)
11	2020	117		PJM	4470010	(42,098.73)	(1,364,011)
11	2020	117		PJM	4470010	(57,265.46)	(1,832,140)
11	2020	117		PJM	4470010	(46.52)	-
11	2020	117		PJM	4470010	(23.26)	-
11	2020	117		PJM	4470010	(0.76)	-
11	2020	117		PJM	4470010	(49,359.18)	(1,636,910)
					4470010 Total	(165,292.83)	(5,266,637)
11	2020	117	PHRT	RBCC2	4470082	(1,575.59)	-
11	2020	117	PHRT	WELF2	4470082	2,634.38	-
11	2020	117	PICT	CEI	4470082	(1,204.40)	-
11	2020	117	PICT	RBCC2	4470082	822.75	-
11	2020	117	PICT	WELF2	4470082	(75,806.04)	-
11	2020	117	PICT	WVPA	4470082	21,538.26	-
11	2020	117	PMCB	WELF2	4470082	(5,067.83)	-
11	2020	117	PSHD	WELF2	4470082	3,444.59	-
					4470082 Total	(55,213.88)	-
11	2020	117		PJM	4470089	210,756.96	-
					4470089 Total	210,756.96	-
11	2020	117		PJM	4470098	(2,743.54)	-
					4470098 Total	(2,743.54)	-
11	2020	117		PJM	4470099	193,298.70	-
					4470099 Total	193,298.70	-
11	2020	117		PJM	4470100	30,287.76	-
					4470100 Total	30,287.76	-
11	2020	117		PJM	4470103	646,675.57	41,721,137
					4470103 Total	646,675.57	41,721,137
11	2020	117		PJM	4470107	(0.41)	-
					4470107 Total	(0.41)	-
11	2020	117		PJM	4470115	(104.44)	-
					4470115 Total	(104.44)	-
11	2020	117		PJM	4470126	113.04	-
					4470126 Total	113.04	-
11	2020	117	PHHS	WELF2	4470143	6,067.89	-
					4470143 Total	6,067.89	-
11	2020	117	Physical	NASIA	4470175	(133,773.56)	-
11	2020	117	Trading	NASIA	4470175	1,046.81	-
					4470175 Total	(132,726.75)	-
11	2020	117	Physical	NASIA	4470176	133,773.56	-
11	2020	117	Trading	NASIA	4470176	(1,046.81)	-
					4470176 Total	132,726.75	-
11	2020	117		PJM	4470206	3,344.84	-
					4470206 Total	3,344.84	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
11	2020	117		PJM	4470209	(17,196.98)	-
					4470209 Total	(17,196.98)	-
11	2020	117		PJM	4470214	160.15	-
					4470214 Total	160.15	-
11	2020	117		PJM	4470215	(88.49)	-
					4470215 Total	(88.49)	-
11	2020	117		PJM	4470220	82,794.37	-
					4470220 Total	82,794.37	-
11	2020	117		PJM	4470221	294.08	-
					4470221 Total	294.08	-
11	2020	117		PJM	5550039	69.76	-
					5550039 Total	69.76	-
11	2020	110		APBE2	5570007	(318.35)	(1,584)
11	2020	110		EVOL2	5570007	(168.28)	(1,980)
11	2020	110		PJME2	5570007	(12.68)	(3,170)
					5570007 Total	(499.31)	(6,734)
11	2020	117		PJM	5614000	-	-
11	2020	117		PJM	5614000	(5,230.03)	-
					5614000 Total	(5,230.03)	-
11	2020	117			5614008	-	-
11	2020	117		PJM	5614008	-	-
11	2020	117		PJM	5614008	2.34	-
11	2020	117		PJM	5614008	1.48	-
11	2020	117		PJM	5614008	7.80	-
11	2020	117		PJM	5614008	0.76	-
11	2020	117		PJM	5614008	3.40	-
11	2020	117		PJM	5614008	43.45	-
11	2020	117		PJM	5614008	1.60	-
11	2020	117		PJM	5614008	0.09	-
11	2020	117		PJM	5614008	1.62	-
11	2020	180		PJM	5614008	-	-
					5614008 Total	62.54	-
11	2020	117		PJM	5618000	-	-
11	2020	117		PJM	5618000	(1,731.67)	-
11	2020	117		PJM	5618000	(13.36)	-
					5618000 Total	(1,745.03)	-
11	2020	117		PJM	5757000	-	-
11	2020	117		PJM	5757000	(5,320.34)	-
11	2020	117		PJM	5757000	(320.77)	-
					5757000 Total	(5,641.11)	-
					November Total	1,135,368.30	41,728,766

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2020	117		AMRX2	4470006	(83.29)	-
12	2020	117		APBE2	4470006	(87.35)	-
12	2020	117		EVOF2	4470006	(106.78)	-
12	2020	117		ICET2	4470006	(1,090.99)	-
12	2020	117		NASIA	4470006	-	-
12	2020	117		PREE2	4470006	(959.77)	-
12	2020	117		TFSF2	4470006	(29.50)	-
12	2020	117		TRED2	4470006	(73.49)	-
12	2020	117	PICT	DLPM	4470006	21,270.30	529,000
12	2020	117	PICT	FESC	4470006	89,476.47	2,298,000
12	2020	117	PICT	PPLT2	4470006	102,096.26	2,347,000
					4470006 Total	210,411.86	5,174,000
12	2020	117		PJM	4470010	0.14	-
12	2020	117		PJM	4470010	0.89	-
12	2020	117		PJM	4470010	0.39	-
12	2020	117		PJM	4470010	(16,700.81)	(504,500)
12	2020	117		PJM	4470010	(167.87)	(4,964)
12	2020	117		PJM	4470010	(74,729.47)	(2,213,287)
12	2020	117		PJM	4470010	(36.60)	-
12	2020	117		PJM	4470010	(18.81)	-
12	2020	117		PJM	4470010	1.56	-
12	2020	117		PJM	4470010	(74,725.72)	(2,255,806)
12	2020	117		PJM	4470010	(313.51)	-
					4470010 Total	(166,689.81)	(4,978,557)
12	2020	117	PHRT	RBCC2	4470082	(1,159.59)	-
12	2020	117	PHRT	WELF2	4470082	1,638.71	-
12	2020	117	PICT	CEI	4470082	(950.55)	-
12	2020	117	PICT	RBCC2	4470082	192.26	-
12	2020	117	PICT	WELF2	4470082	(30,759.05)	-
12	2020	117	PICT	WVPA	4470082	13,741.15	-
12	2020	117	PMCB	WELF2	4470082	4,419.99	-
12	2020	117	PSHD	WELF2	4470082	(4,708.05)	-
					4470082 Total	(17,585.13)	-
12	2020	117		NASIA	4470089	-	-
12	2020	117		PJM	4470089	(113,176.67)	-
					4470089 Total	(113,176.67)	-
12	2020	117		NASIA	4470098	-	-
12	2020	117		PJM	4470098	(696.28)	-
					4470098 Total	(696.28)	-
12	2020	117		NASIA	4470099	-	-
12	2020	117		PJM	4470099	199,741.99	-
					4470099 Total	199,741.99	-
12	2020	117		NASIA	4470100	-	-
12	2020	117		PJM	4470100	9,116.89	-
					4470100 Total	9,116.89	-
12	2020	117		NASIA	4470103	-	-
12	2020	117		PJM	4470103	547,850.16	17,784,049
					4470103 Total	547,850.16	17,784,049
12	2020	117		PJM	4470107	(0.40)	-
					4470107 Total	(0.40)	-
12	2020	117		PJM	4470110	(0.02)	-
					4470110 Total	(0.02)	-
12	2020	117		NASIA	4470115	-	-
12	2020	117		PJM	4470115	459.88	-
					4470115 Total	459.88	-
12	2020	117		PJM	4470126	(1,947.84)	-
					4470126 Total	(1,947.84)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2020	117		PJM	4470131	0.30	-
12	2020	117		PJM	4470131	0.07	-
					4470131 Total	0.37	-
12	2020	117	PHHS	WELF2	4470143	5,703.73	-
					4470143 Total	5,703.73	-
12	2020	117	Physical	NASIA	4470175	(340,913.59)	-
12	2020	117	Trading	NASIA	4470175	(32,951.94)	-
					4470175 Total	(373,865.53)	-
12	2020	117	Physical	NASIA	4470176	340,913.59	-
12	2020	117	Trading	NASIA	4470176	32,951.94	-
					4470176 Total	373,865.53	-
12	2020	117		PJM	4470206	1,870.84	-
					4470206 Total	1,870.84	-
12	2020	117		PJM	4470209	(5,588.46)	-
					4470209 Total	(5,588.46)	-
12	2020	117		NASIA	4470214	-	-
12	2020	117		PJM	4470214	39.60	-
					4470214 Total	39.60	-
12	2020	117		NASIA	4470215	-	-
12	2020	117		PJM	4470215	(33.08)	-
					4470215 Total	(33.08)	-
12	2020	117		NASIA	4470220	-	-
12	2020	117		PJM	4470220	113,381.16	-
					4470220 Total	113,381.16	-
12	2020	117		NASIA	4470221	-	-
12	2020	117		PJM	4470221	30.10	-
					4470221 Total	30.10	-
12	2020	117		PJM	5550039	71.82	-
					5550039 Total	71.82	-
12	2020	110		IMEA	5570007	(15,917.59)	(1,583)
12	2020	110		PJME2	5570007	(12.22)	(3,055)
					5570007 Total	(15,929.81)	(4,638)
12	2020	117		PJM	5614000	-	-
12	2020	117		PJM	5614000	(2,838.08)	-
					5614000 Total	(2,838.08)	-
12	2020	117			5614008	-	-
12	2020	117		PJM	5614008	-	-
12	2020	117		PJM	5614008	4.00	-
12	2020	117		PJM	5614008	2.53	-
12	2020	117		PJM	5614008	13.36	-
12	2020	117		PJM	5614008	3.33	-
12	2020	117		PJM	5614008	0.69	-
12	2020	117		PJM	5614008	0.33	-
12	2020	117		PJM	5614008	1.29	-
12	2020	117		PJM	5614008	5.82	-
12	2020	117		PJM	5614008	74.43	-
12	2020	117		PJM	5614008	1.12	-
12	2020	117		PJM	5614008	2.74	-
12	2020	117		PJM	5614008	0.15	-
12	2020	117		PJM	5614008	2.77	-
12	2020	180		PJM	5614008	-	-
					5614008 Total	112.56	-
12	2020	117		PJM	5618000	-	-
12	2020	117		PJM	5618000	(930.72)	-
12	2020	117		PJM	5618000	(14.28)	-
					5618000 Total	(945.00)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2020	117		PJM	5757000	-	-
12	2020	117		PJM	5757000	(2,514.67)	-
12	2020	117		PJM	5757000	(342.15)	-
					5757000 Total	(2,856.82)	-
					December Total	760,503.56	17,974,854

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
1	2021	117		AMRX2	4470006	(34.63)	-
1	2021	117		APBE2	4470006	(46.55)	-
1	2021	117		EVOF2	4470006	(200.08)	-
1	2021	117		IVGE2	4470006	(15.84)	-
1	2021	117		PJM	4470006	(8,044.49)	(192,440)
1	2021	117		PREE2	4470006	(40.32)	-
1	2021	117		TRED2	4470006	(33.26)	-
1	2021	117	PICT	AECI2	4470006	32,682.54	792,000
1	2021	117	PICT	DLPM	4470006	22,137.45	548,000
1	2021	117	PICT	FESC	4470006	94,978.29	2,441,000
1	2021	117	PICT	PPLT2	4470006	105,089.17	2,415,000
					4470006 Total	246,472.28	6,003,560
1	2021	117		PJM	4470010	0.34	-
1	2021	117		PJM	4470010	2.21	-
1	2021	117		PJM	4470010	1.90	-
1	2021	117		PJM	4470010	(17,662.14)	(569,440)
1	2021	117		PJM	4470010	(69.02)	(4,144)
1	2021	117		PJM	4470010	(78,361.51)	(2,518,735)
1	2021	117		PJM	4470010	(45.76)	-
1	2021	117		PJM	4470010	(24.20)	-
1	2021	117		PJM	4470010	2.62	-
1	2021	117		PJM	4470010	(76,778.97)	(2,539,604)
1	2021	117	PICT	BPEC	4470010	(14,543.21)	(630,000)
					4470010 Total	(187,477.74)	(6,261,923)
1	2021	117	PHRT	RBCC2	4470082	(219.37)	-
1	2021	117	PHRT	WELF2	4470082	217.63	-
1	2021	117	PICT	CEI	4470082	(635.74)	-
1	2021	117	PICT	RBCC2	4470082	10.71	-
1	2021	117	PICT	WELF2	4470082	(64,844.00)	-
1	2021	117	PICT	WVPA	4470082	-	-
1	2021	117	PMCB	WELF2	4470082	(3,143.94)	-
1	2021	117	PSHD	WELF2	4470082	(2,095.82)	-
					4470082 Total	(70,710.53)	-
1	2021	117		PJM	4470089	(32,091.11)	-
1	2021	117	DCONA93	PJM	4470089	75,807.72	-
					4470089 Total	43,716.61	-
1	2021	117		PJM	4470098	(1,792.60)	-
					4470098 Total	(1,792.60)	-
1	2021	117		PJM	4470099	199,741.99	-
					4470099 Total	199,741.99	-
1	2021	117		PJM	4470100	2,207.25	-
					4470100 Total	2,207.25	-
1	2021	117		PJM	4470103	(402,582.39)	(17,784,049)
1	2021	117	DCONA93	PJM	4470103	828,516.67	36,128,748
					4470103 Total	425,934.28	18,344,699
1	2021	117		PJM	4470107	(0.41)	-
					4470107 Total	(0.41)	-
1	2021	117		PJM	4470115	(907.13)	-
					4470115 Total	(907.13)	-
1	2021	117		PJM	4470126	(1,088.00)	-
					4470126 Total	(1,088.00)	-
1	2021	117		PJM	4470131	0.06	-
1	2021	117		PJM	4470131	0.03	-
					4470131 Total	0.09	-
1	2021	117	PHHS	WELF2	4470143	26,826.18	-
					4470143 Total	26,826.18	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
1	2021	117	Physical	NASIA	4470175	(284,697.00)	-
1	2021	117	Trading	NASIA	4470175	9,960.70	-
					4470175 Total	(274,736.30)	-
1	2021	117	Physical	NASIA	4470176	284,697.00	-
1	2021	117	Trading	NASIA	4470176	(9,960.70)	-
					4470176 Total	274,736.30	-
1	2021	117		PJM	4470206	1,528.11	-
					4470206 Total	1,528.11	-
1	2021	117		PJM	4470209	(4,353.69)	-
					4470209 Total	(4,353.69)	-
1	2021	117		PJM	4470214	0.45	-
					4470214 Total	0.45	-
1	2021	117		PJM	4470215	(0.41)	-
					4470215 Total	(0.41)	-
1	2021	117		PJM	4470220	28,918.13	-
					4470220 Total	28,918.13	-
1	2021	117		PJM	4470221	505.40	-
					4470221 Total	505.40	-
1	2021	117		PJM	5550039	(413.59)	-
					5550039 Total	(413.59)	-
1	2021	110		BGCS2	5570007	(44.55)	(99)
1	2021	110		MRETS	5570007	(217.78)	-
1	2021	110		PJME2	5570007	(13.62)	(3,405)
					5570007 Total	(275.95)	(3,504)
1	2021	117		PJM	5614000	-	-
1	2021	117		PJM	5614000	(2,137.45)	-
					5614000 Total	(2,137.45)	-
1	2021	117			5614008	-	-
1	2021	117		PJM	5614008	-	-
1	2021	117		PJM	5614008	(3.04)	-
1	2021	117		PJM	5614008	(1.92)	-
1	2021	117		PJM	5614008	(10.14)	-
1	2021	117		PJM	5614008	(0.51)	-
1	2021	117		PJM	5614008	(0.11)	-
1	2021	117		PJM	5614008	(0.05)	-
1	2021	117		PJM	5614008	(0.98)	-
1	2021	117		PJM	5614008	(4.41)	-
1	2021	117		PJM	5614008	(56.46)	-
1	2021	117		PJM	5614008	(0.17)	-
1	2021	117		PJM	5614008	(2.08)	-
1	2021	117		PJM	5614008	(0.11)	-
1	2021	117		PJM	5614008	(2.10)	-
1	2021	180		PJM	5614008	-	-
					5614008 Total	(82.08)	-
1	2021	117		PJM	5618000	-	-
1	2021	117		PJM	5618000	(1,232.94)	-
1	2021	117		PJM	5618000	(17.02)	-
					5618000 Total	(1,249.96)	-
1	2021	117		PJM	5757000	-	-
1	2021	117		PJM	5757000	(1,656.21)	-
1	2021	117		PJM	5757000	(408.61)	-
					5757000 Total	(2,064.82)	-
					January Total	703,296.41	18,082,832

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
2	2021	117		AMRX2	4470006	(5.15)	-
2	2021	117		EVOF2	4470006	(182.47)	-
2	2021	117		IVGE2	4470006	(610.84)	-
2	2021	117		PJM	4470006	(21,602.57)	(300,932)
2	2021	117	PICT	AECI2	4470006	32,682.54	792,000
2	2021	117	PICT	DLPM	4470006	21,820.59	539,000
2	2021	117	PICT	FESC	4470006	93,793.36	2,411,000
2	2021	117	PICT	PPLT2	4470006	102,281.55	2,351,000
					4470006 Total	228,177.01	5,792,068
2	2021	117		PJM	4470010	0.38	-
2	2021	117		PJM	4470010	6.47	-
2	2021	117		PJM	4470010	5.18	-
2	2021	117		PJM	4470010	(26,368.01)	(527,341)
2	2021	117		PJM	4470010	(83.78)	8
2	2021	117		PJM	4470010	(118,340.55)	(2,361,909)
2	2021	117		PJM	4470010	(38.32)	-
2	2021	117		PJM	4470010	(21.59)	-
2	2021	117		PJM	4470010	13.29	-
2	2021	117		PJM	4470010	(109,642.24)	(2,288,404)
2	2021	117	PICT	BPEC	4470010	(12,073.61)	(523,000)
					4470010 Total	(266,542.78)	(5,700,646)
2	2021	117	PICT	CEI	4470082	(5,314.33)	-
2	2021	117	PICT	WELF2	4470082	44,311.69	-
2	2021	117	PMCB	WELF2	4470082	(128.28)	-
2	2021	117	PSHD	WELF2	4470082	(2,220.54)	-
					4470082 Total	36,648.54	-
2	2021	117	DCONA93	PJM	4470089	2,685,466.11	-
					4470089 Total	2,685,466.11	-
2	2021	117		PJM	4470098	(21,379.86)	-
					4470098 Total	(21,379.86)	-
2	2021	117		PJM	4470099	180,412.12	-
					4470099 Total	180,412.12	-
2	2021	117		PJM	4470100	(22,442.49)	-
					4470100 Total	(22,442.49)	-
2	2021	117	DCONA93	PJM	4470103	3,867,215.09	101,793,451
					4470103 Total	3,867,215.09	101,793,451
2	2021	117		PJM	4470107	(0.09)	-
					4470107 Total	(0.09)	-
2	2021	117		PJM	4470110	(0.04)	-
					4470110 Total	(0.04)	-
2	2021	117		PJM	4470115	1,231.74	-
					4470115 Total	1,231.74	-
2	2021	117		PJM	4470126	94,780.28	-
					4470126 Total	94,780.28	-
2	2021	117		PJM	4470131	0.27	-
2	2021	117		PJM	4470131	(0.02)	-
					4470131 Total	0.25	-
2	2021	117	PHHS	WELF2	4470143	(65,984.88)	-
					4470143 Total	(65,984.88)	-
2	2021	117	Physical	NASIA	4470175	1,601,447.44	-
2	2021	117	Trading	NASIA	4470175	(998.50)	-
					4470175 Total	1,600,448.94	-
2	2021	117	Physical	NASIA	4470176	(1,601,447.44)	-
2	2021	117	Trading	NASIA	4470176	998.50	-
					4470176 Total	(1,600,448.94)	-
2	2021	117		PJM	4470206	29,700.74	-
					4470206 Total	29,700.74	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
2	2021	117		PJM	4470209	(152,784.95)	-
					4470209 Total	(152,784.95)	-
2	2021	117		PJM	4470215	2.19	-
					4470215 Total	2.19	-
2	2021	117		PJM	4470220	80,227.62	-
					4470220 Total	80,227.62	-
2	2021	117		PJM	4470221	29.73	-
					4470221 Total	29.73	-
2	2021	117		PJM	5550039	(745.15)	-
					5550039 Total	(745.15)	-
2	2021	110		PJME2	5570007	(11.42)	(2,855)
					5570007 Total	(11.42)	(2,855)
2	2021	117		PJM	5614000	-	-
2	2021	117		PJM	5614000	(16,992.43)	-
					5614000 Total	(16,992.43)	-
2	2021	117			5614008	-	-
2	2021	117		PJM	5614008	-	-
2	2021	117		PJM	5614008	(2.41)	-
2	2021	117		PJM	5614008	(1.52)	-
2	2021	117		PJM	5614008	(8.04)	-
2	2021	117		PJM	5614008	(0.70)	-
2	2021	117		PJM	5614008	(0.13)	-
2	2021	117		PJM	5614008	(0.06)	-
2	2021	117		PJM	5614008	(0.78)	-
2	2021	117		PJM	5614008	(3.50)	-
2	2021	117		PJM	5614008	(44.78)	-
2	2021	117		PJM	5614008	(0.22)	-
2	2021	117		PJM	5614008	(1.65)	-
2	2021	117		PJM	5614008	(0.09)	-
2	2021	117		PJM	5614008	(1.67)	-
2	2021	180		PJM	5614008	-	-
					5614008 Total	(65.55)	-
2	2021	117		PJM	5618000	-	-
2	2021	117		PJM	5618000	(4,362.21)	-
2	2021	117		PJM	5618000	(18.82)	-
					5618000 Total	(4,381.03)	-
2	2021	117		PJM	5757000	-	-
2	2021	117		PJM	5757000	(15,304.59)	-
2	2021	117		PJM	5757000	(451.56)	-
					5757000 Total	(15,756.15)	-
					February Total	6,636,804.60	101,882,018

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
3	2021	117		APBE2	4470006	(16.23)	-
3	2021	117		EVOF2	4470006	(400.17)	-
3	2021	117		PJM	4470006	(11,736.53)	(390,319)
3	2021	117	PICT	AECI2	4470006	37,584.92	911,000
3	2021	117	PICT	DLPM	4470006	19,802.88	489,000
3	2021	117	PICT	FESC	4470006	83,130.94	2,136,000
3	2021	117	PICT	PPLT2	4470006	78,800.64	1,811,000
					4470006 Total	207,166.45	4,956,681
3	2021	117		PJM	4470010	(0.48)	-
3	2021	117		PJM	4470010	(9.68)	-
3	2021	117		PJM	4470010	(8.20)	-
3	2021	117		PJM	4470010	(16,514.40)	(499,503)
3	2021	117		PJM	4470010	(8.02)	-
3	2021	117		PJM	4470010	(73,676.87)	(2,185,030)
3	2021	117		PJM	4470010	(43.03)	-
3	2021	117		PJM	4470010	(24.70)	-
3	2021	117		PJM	4470010	(11.80)	-
3	2021	117		PJM	4470010	(58,495.75)	(1,834,295)
3	2021	117	PICT	BPEC	4470010	(12,862.51)	(557,000)
					4470010 Total	(161,655.44)	(5,075,828)
3	2021	117	PICT	CEI	4470082	(2,792.35)	(2,792,000)
3	2021	117	PICT	WELF2	4470082	(58,899.96)	-
3	2021	117	PMCB	WELF2	4470082	-	-
3	2021	117	PSHD	WELF2	4470082	(502.71)	-
					4470082 Total	(62,195.02)	(2,792,000)
3	2021	117	DCONA93	PJM	4470089	308,276.23	-
					4470089 Total	308,276.23	-
3	2021	117		PJM	4470098	(1,744.30)	-
					4470098 Total	(1,744.30)	-
3	2021	117		PJM	4470099	199,741.99	-
					4470099 Total	199,741.99	-
3	2021	117		PJM	4470100	27,027.31	-
					4470100 Total	27,027.31	-
3	2021	117	DCONA93	PJM	4470103	361,447.55	23,623,675
					4470103 Total	361,447.55	23,623,675
3	2021	117		PJM	4470107	(0.08)	-
					4470107 Total	(0.08)	-
3	2021	117		PJM	4470110	(0.03)	-
					4470110 Total	(0.03)	-
3	2021	117		PJM	4470115	6,827.03	-
					4470115 Total	6,827.03	-
3	2021	117		PJM	4470126	(3,135.81)	-
					4470126 Total	(3,135.81)	-
3	2021	117		PJM	4470131	(0.99)	-
3	2021	117		PJM	4470131	(0.74)	-
					4470131 Total	(1.73)	-
3	2021	117	PHHS	WELF2	4470143	12.45	-
					4470143 Total	12.45	-
3	2021	117	Physical	NASIA	4470175	(270,804.01)	-
3	2021	117	Trading	NASIA	4470175	(150.17)	-
					4470175 Total	(270,954.18)	-
3	2021	117	Physical	NASIA	4470176	270,804.01	-
3	2021	117	Trading	NASIA	4470176	150.17	-
					4470176 Total	270,954.18	-
3	2021	117		PJM	4470206	3,987.92	-
					4470206 Total	3,987.92	-
3	2021	117		PJM	4470209	(12,244.47)	-
					4470209 Total	(12,244.47)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
3	2021	117		PJM	4470215	6.75	-
					4470215 Total	6.75	-
3	2021	117		PJM	4470220	101,957.49	-
					4470220 Total	101,957.49	-
3	2021	117		PJM	4470221	871.13	-
					4470221 Total	871.13	-
3	2021	117		PJM	5550039	130.95	-
					5550039 Total	130.95	-
3	2021	110		PJME2	5570007	(11.98)	(2,995)
					5570007 Total	(11.98)	(2,995)
3	2021	117		PJM	5614000	-	-
3	2021	117		PJM	5614000	(4,946.01)	-
					5614000 Total	(4,946.01)	-
3	2021	117			5614008	49,153.88	-
3	2021	117		PJM	5614008	-	-
3	2021	117		PJM	5614008	(1.40)	-
3	2021	117		PJM	5614008	(0.88)	-
3	2021	117		PJM	5614008	(4.67)	-
3	2021	117		PJM	5614008	(0.93)	-
3	2021	117		PJM	5614008	(0.19)	-
3	2021	117		PJM	5614008	(0.09)	-
3	2021	117		PJM	5614008	(0.45)	-
3	2021	117		PJM	5614008	(2.03)	-
3	2021	117		PJM	5614008	(25.99)	-
3	2021	117		PJM	5614008	(0.31)	-
3	2021	117		PJM	5614008	(0.96)	-
3	2021	117		PJM	5614008	(0.05)	-
3	2021	117		PJM	5614008	(0.97)	-
3	2021	180		PJM	5614008	-	-
					5614008 Total	49,114.96	-
3	2021	117		PJM	5618000	-	-
3	2021	117		PJM	5618000	(1,246.82)	-
3	2021	117		PJM	5618000	(18.82)	-
					5618000 Total	(1,265.64)	-
3	2021	117		PJM	5757000	-	-
3	2021	117		PJM	5757000	(3,093.06)	-
3	2021	117		PJM	5757000	(451.39)	-
					5757000 Total	(3,544.45)	-
					March Total	1,015,823.25	20,709,533

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
4	2021	117		EVOF2	4470006	(88.91)	-
4	2021	117		IVGE2	4470006	(62.72)	-
4	2021	117		NASIA	4470006	-	-
4	2021	117		PJM	4470006	3,660.53	152,841
4	2021	117	PICT	AECI2	4470006	-	-
4	2021	117	PICT	DLPM	4470006	18,671.91	463,000
4	2021	117	PICT	FESC	4470006	72,845.40	1,873,000
4	2021	117	PICT	PPLT2	4470006	60,785.07	1,397,000
					4470006 Total	155,811.28	3,885,841
4	2021	117		PJM	4470010	1.72	-
4	2021	117		PJM	4470010	(9,401.79)	-
4	2021	117		PJM	4470010	1.67	-
4	2021	117		PJM	4470010	(17,242.18)	(462,036)
4	2021	117		PJM	4470010	2.31	-
4	2021	117		PJM	4470010	(71,092.99)	(1,876,038)
4	2021	117		PJM	4470010	(49.99)	-
4	2021	117		PJM	4470010	(28.43)	-
4	2021	117		PJM	4470010	11.21	-
4	2021	117		PJM	4470010	(48,958.90)	(1,405,430)
4	2021	117	PICT	BPEC	4470010	(4,839.27)	(190,000)
					4470010 Total	(151,596.64)	(3,933,504)
4	2021	117	PICT	CEI	4470082	(5,415.21)	2,792,000
4	2021	117	PICT	WELF2	4470082	(3,463.07)	-
4	2021	117	PSHD	WELF2	4470082	(480.86)	-
					4470082 Total	(9,359.14)	2,792,000
4	2021	117		NASIA	4470089	-	-
4	2021	117	DCONA93	PJM	4470089	(202,062.83)	-
					4470089 Total	(202,062.83)	-
4	2021	117		NASIA	4470098	-	-
4	2021	117		PJM	4470098	(3,303.19)	-
					4470098 Total	(3,303.19)	-
4	2021	117		NASIA	4470099	-	-
4	2021	117		PJM	4470099	193,298.70	-
					4470099 Total	193,298.70	-
4	2021	117		NASIA	4470100	-	-
4	2021	117		PJM	4470100	10,092.64	-
					4470100 Total	10,092.64	-
4	2021	117		NASIA	4470103	-	-
4	2021	117	DCONA93	PJM	4470103	691,448.17	20,429,597
					4470103 Total	691,448.17	20,429,597
4	2021	117		NASIA	4470115	-	-
4	2021	117		PJM	4470115	4,379.09	-
					4470115 Total	4,379.09	-
4	2021	117		PJM	4470126	7,832.17	-
					4470126 Total	7,832.17	-
4	2021	117	PHHS	WELF2	4470143	(1.41)	-
					4470143 Total	(1.41)	-
4	2021	117	Physical	NASIA	4470175	(648,663.53)	-
4	2021	117	Trading	NASIA	4470175	42,700.04	-
					4470175 Total	(605,963.49)	-
4	2021	117	Physical	NASIA	4470176	648,663.53	-
4	2021	117	Trading	NASIA	4470176	(42,700.04)	-
					4470176 Total	605,963.49	-
4	2021	117		PJM	4470206	4,356.90	-
					4470206 Total	4,356.90	-
4	2021	117		PJM	4470209	(15,957.06)	-
					4470209 Total	(15,957.06)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
4	2021	117		NASIA	4470214	-	-
					4470214 Total	-	-
4	2021	117		NASIA	4470215	-	-
					4470215 Total	-	-
4	2021	117		NASIA	4470220	-	-
4	2021	117		PJM	4470220	71,117.79	-
					4470220 Total	71,117.79	-
4	2021	117		NASIA	4470221	-	-
4	2021	117		PJM	4470221	192.45	-
					4470221 Total	192.45	-
4	2021	117		PJM	5550039	(79.16)	-
					5550039 Total	(79.16)	-
4	2021	110			5570007	(2,227.28)	(99)
4	2021	110		PJME2	5570007	(11.18)	(2,795)
					5570007 Total	(2,238.46)	(2,894)
4	2021	117		PJM	5614000	-	-
4	2021	117		PJM	5614000	(3,455.43)	-
					5614000 Total	(3,455.43)	-
4	2021	117		PJM	5614008	(4,112.75)	-
4	2021	117		PJM	5614008	(8.21)	-
4	2021	117		PJM	5614008	(5.20)	-
4	2021	117		PJM	5614008	(27.40)	-
4	2021	117		PJM	5614008	(2.65)	-
4	2021	117		PJM	5614008	(11.93)	-
4	2021	117		PJM	5614008	(0.01)	-
4	2021	117		PJM	5614008	(152.61)	-
4	2021	117		PJM	5614008	(5.61)	-
4	2021	117		PJM	5614008	(0.31)	-
4	2021	117		PJM	5614008	(5.68)	-
4	2021	180		PJM	5614008	-	-
					5614008 Total	(4,332.36)	-
4	2021	117		PJM	5618000	-	-
4	2021	117		PJM	5618000	(943.52)	-
4	2021	117		PJM	5618000	(17.05)	-
					5618000 Total	(960.57)	-
4	2021	117		PJM	5757000	-	-
4	2021	117		PJM	5757000	(2,932.62)	-
4	2021	117		PJM	5757000	(323.88)	-
					5757000 Total	(3,256.50)	-
					April Total	741,926.44	23,171,040
					Review Period Total	10,993,722.56	223,549,043

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

- 1_14** Describe the effect on the FAC calculation of line losses related to:
- a. Intersystem sales when using a third-party transmission system; and
 - b. Intersystem sales when not using a third-party transmission system.

RESPONSE

a. Beginning on June 1, 2007, based on FERC Order EL06-055, PJM modified the Locational Marginal Pricing (LMP) approach to calculate transmission line loss costs on a marginal basis. The new LMP calculation reflects the full marginal cost of serving an increment of load at each bus from each resource associated with an eligible energy offer. The LMP price will be the sum of three separate components: System Energy Price, Congestion Price, and Loss Price. Therefore, each spot market energy customer pays an energy price that includes the full marginal cost of energy for delivering an increment of energy to the purchaser's location. Market buyers are assessed for their incremental impact on transmission line losses resulting from total load scheduled to be served from the PJM Spot Energy Market in the day-ahead energy market at the same day-ahead loss price applicable at the relevant load bus.

Market sellers are assessed for their incremental impact on transmission line losses resulting from energy scheduled for delivery in the day-ahead market at the day-ahead loss prices applicable to the relevant resource bus.

Transactions are balanced in the real-time market using the same calculation, but are based on deviation at each bus from the day-ahead using the real time loss price.

b. Kentucky Power conducts intersystem sales through its participation in the PJM wholesale markets. Please refer to part (a) for a description of the effect of losses on intersystem sales on the FAC calculation.

Witness: Scott E. Bishop

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_15 Provide a list, in chronological order, showing by unit any scheduled, actual, and forced outages for the period under review.

RESPONSE

Please see KPCO_R_KPSC_1_15_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company
Fuel Adjustment Case No. 2021-00292
Generating Unit Outages
November 1, 2020-April 30, 2021

Unit Name	Event Type*	Event Start	Event End	Event Description
Big Sandy 1	MO	11/12/2020 02:39	11/16/2020 12:25	SCR Fall on BS2. North Hydrogen Cooling Water pump repairs. Boiler i/r. Boiler Hydro. EHC System i/r.
Big Sandy 1	MO	11/25/2020 00:52	11/29/2020 06:50	Boiler i/r. Boiler Hydro. West Circulating Water Discharge Valve i/r . Clean Circulating Water Screens on the Condenser.
Big Sandy 1	MO	12/11/2020 01:02	12/16/2020 13:45	to repair Turbine Oil Cooling Water leak. #1 West Transformer. and RV-1 & BFPT Governor Valve Reheat Steam Temperature Thermocouple
Big Sandy 1	MO	12/22/2020 00:37	12/26/2020 07:00	Boiler i/r and HP Heater Shell vent leak repairs
Big Sandy 1	MO	01/13/2021 00:45	01/22/2021 14:16	Boiler i/r. Aux Boiler Feedpump i/r.
Big Sandy 1	MO	02/20/2021 00:44	02/26/2021 15:33	Boiler i/r. repair Nitrogen Supply leak on the West GSU. clean Cooling Tower Inlet Screens. repack Drum Blowdown Valve. replace Hydrogen Supply Regulator. Left BFP Governor Valve Steam leak i/r. repair Hand shutoff on HP Heater Vents and River Makeup Building Switchgear i/r.
Big Sandy 1	MO	03/02/2021 00:00	03/04/2021 14:00	Boiler Outlet Duct i/r
Big Sandy 1	PO	04/10/2021 01:50	05/08/2021 07:00	Planned Outage for cooling tower repairs and piping inspections
Mitchell 1	MO	12/07/2020 07:00	12/16/2020 20:30	Uninterruptible Power Supply (UPS) Inverters rebuild
Mitchell 1	MO	01/23/2021 00:00	02/04/2021 23:55	i/r #11 turbine bearing. i/r 16 pulv. inspect boiler for slag due to HS burn. and repair condenser leak. boiler hydro and air test.
Mitchell 1	FO	02/06/2021 15:45	02/08/2021 11:00	Turbine lift pump had cracked fitting
Mitchell 1	FO	02/09/2021 00:31	02/11/2021 21:00	URB Control Valve Issue
Mitchell 1	FO	02/12/2021 15:35	02/13/2021 21:36	ID fan trip during startup.
Mitchell 1	FO	02/27/2021 15:42	03/01/2021 00:00	Side wall Tube Tube Leak
Mitchell 1	MO	03/01/2021 00:00	03/07/2021 17:00	Sidewall Tube Leak.
Mitchell 1	FO	03/07/2021 17:00	03/23/2021 10:33	turbine vibration
Mitchell 1	FO	04/09/2021 20:29	06/05/2021 15:00	Replace Phase 1 GSU Transformer
Mitchell 2	MO	01/12/2021 07:00	01/19/2021 00:00	to inspect ID Fan Hubs. i/r FMO-202. and replace #21 Clinker Grinder
Mitchell 2	FO	02/01/2021 10:09	02/10/2021 12:00	An approximately 75' of Unit 2 stack liner drain header failed and fell to the bottom of the stack. This failure occurred at elevation 250'
Mitchell 2	FO	02/10/2021 12:00	02/11/2021 19:36	The Aux Boiler is not available to start this unit
Mitchell 2	FO	02/12/2021 14:05	02/13/2021 03:50	Low PH in cooling tower
Mitchell 2	FO	02/13/2021 06:41	02/13/2021 08:35	Unable to start while unit 1 is in start up. (unit has DA Award)
Mitchell 2	PO	03/06/2021 04:43	04/26/2021 02:19	Planned Outage

Event Type *

FO Forced Outage
MO Maintenance Outage
PO Planned Outage
Note: i/r = inspection and repair

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_16 For the period under review, provide the monthly supporting peaking unit equivalent calculations in electronic Excel spreadsheet format with all formulas, columns, and rows unprotected and visible supporting the forced outage calculations. In addition, provide the corresponding amount, if any, of forced outage purchased power collected through the purchase power adjustment tariff.

RESPONSE

Please see the following attachments for the requested information:

November 2020: KPCO_R_KPSC_1_16_Attachment1

December 2020: KPCO_R_KPSC_1_16_Attachment2

January 2021: KPCO_R_KPSC_1_16_Attachment3

February 2021: KPCO_R_KPSC_1_16_Attachment4

March 2021: KPCO_R_KPSC_1_16_Attachment5

April 2021: KPCO_R_KPSC_1_16_Attachment6

Forced outage purchased power expense collected through the purchase power adjustment tariff can be found in Column 'H' of the 'MM-YY Hourly Purch Alloc' tab within each file.

Witness: Jason M. Stegall

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_17 For the period under review, provide the monthly capacity factor at which each generating unit operated.

RESPONSE

Please see KPCO_R_KPSC_1_17_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company Fuel Adjustment Case No. 2021-00292 Generating Unit Net Capacity Factor [%] November 1, 2020 - April 30, 2021

	20-Nov	20-Dec	21-Jan	21-Feb	21-Mar	21-Apr
Big Sandy 1	42.29	32.66	18.79	35.99	29.99	16.83
Mitchell 1	0.00	17.01	41.38	36.53	12.93	15.18
Mitchell 2	53.11	43.99	0.00	38.74	9.10	10.72

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_18 For the period under review, explain whether Kentucky Power made any changes to its maintenance and operation practices or completed any specific generation efficiency improvements that affect fuel usage at Kentucky Power's generation facilities. If so, describe the impact of these changes on Kentucky Power's fuel usage.

RESPONSE

The Company did not make any changes to its maintenance and operation practices, nor completed any specific generation efficiency improvements, that affect fuel usage at Kentucky Power's generation facilities under the period of review.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_19 State whether Kentucky Power is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period under review.

RESPONSE

Kentucky Power is not aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the period under review.

Witness: Clinton M. Stutler

Witness: Jeffrey C. Dial

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_20 State whether Kentucky Power is aware of any violations of 807 KAR 5:056 that occurred prior to or during the period under review.

RESPONSE

The Company is not aware of any violations.

Witness: Scott E. Bishop

Kentucky Power Company
KPSC Case No. 2021-00292
Commission Staff First Set of Data Requests
Dated August 18, 2021

DATA REQUEST

1_21 State whether all fuel contracts related to commodity and transportation have been filed with the Commission. If any contracts have not been filed, explain why they have not been filed, and provide a copy.

RESPONSE

All contracts have been filed with the Commission.

Witness: Scott E. Bishop

VERIFICATION

The undersigned, Clinton M. Stutler, being duly sworn, deposes and says he is the Natural Gas & Fuel Oil Manager for American Electric Power Service Corporation, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Clinton M. Stutler

Clinton M. Stutler

State of Ohio)
)
County of Franklin)

Case No. 2021-00292

Subscribed and sworn before me, a Notary Public, by Clinton M. Stutler this
30th day of August, 2021.

S. Smithisler

Notary Public

My Commission Expires April 29, 2024





Stegall Verification Case No 2021 00292.doc

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E-Signature Summary

E-Signature 1: Jason M. Stegall (JMS)

August 30, 2021 09:58:59 -8:00 [477D037AC740] [167.239.221.101]
jmstegall@aep.com (Principal) (Personally Known)

E-Signature Notary: S. Smithhisler (SRS)

August 30, 2021 09:58:59 -8:00 [A103E70854D6] [167.239.221.102]
srsmithhisler@aep.com
I, S. Smithhisler, did witness the participants named above electronically sign this document.



VERIFICATION

The undersigned, Jason M. Stegall, being duly sworn, deposes and says he is the Regulated Pricing & Analysis Manager for American Electric Power Service Corporation, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Jason M. Stegall

Jason M. Stegall

State of Ohio)
)
County of Franklin)

Case No. 2021-00292

Subscribed and sworn before me, a Notary Public, by Jason M. Stegall this 30th day of August, 2021.

S. Smithhisler

Notary Public



My Commission Expires: April 29, 2024

6EFDA500-5016-4640-BDE4-9DCE65104E35 --- 2021/08/30 09:39:52 -8:00 --- Remote Notary





Dial Verification Case No 2021 00292.doc

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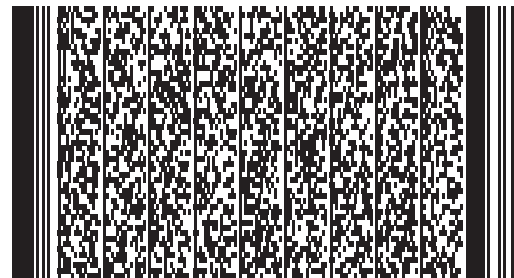
E-Signature Summary

E-Signature 1: Jeffrey C. Dial (JCD)

August 30, 2021 10:39:57 -8:00 [40F38380D49A] [161.235.221.102]
 jcdial@aep.com (Principal) (Personally Known)

E-Signature Notary: S. Smithhisler (SRS)

August 30, 2021 10:39:57 -8:00 [1CDCE4C4E49D] [167.239.221.102]
 srsmithhisler@aep.com
 I, S. Smithhisler, did witness the participants named above electronically sign this document.



VERIFICATION

The undersigned, Jeffrey C. Dial, being duly sworn, deposes and says he is the Director of Coal, Transportation and Reagent Procurement for American Electric Power Service Corporation, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Jeffrey C. Dial

Jeffrey C. Dial

State of Ohio)
)
County of Franklin)

Case No. 2021-00292

Subscribed and sworn before me, a Notary Public, by Jeffrey C. Dial this 30th day of August, 2021.

S. Smithhisler

Notary Public

My Commission Expires: April 29, 2024



B6AC2F11-2A7A-48CB-B8EE-927384E6BF5A --- 2021/08/30 09:47:16 -8:00 --- Remote Notary





Bishop Verification Case No 2021 00292.doc

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E-Signature Summary

E-Signature 1: Scott E. Bishop (SEB)

August 30, 2021 10:54:26 -8:00 [0947AECCA60D] [76.26.90.48]
 sebishop@aep.com (Principal) (Personally Known)

E-Signature Notary: S. Smithhisler (SRS)

August 30, 2021 10:54:26 -8:00 [3227C2784548] [167.239.221.102]
 srsmithhisler@aep.com

I, S. Smithhisler, did witness the participants named above electronically sign this document.



VERIFICATION

The undersigned, Scott E. Bishop, being duly sworn, deposes and says he is a Regulatory Consultant Sr. for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Scott E. Bishop

Scott E. Bishop

State of Ohio)
)
County of Franklin)

Case No. 2021-00292

Subscribed and sworn before me, a Notary Public, by Scott E. Bishop this 30th day of August, 2021.

S. Smithhisler

Notary Public



My Commission Expires: April 29, 2024

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Mell Verification Case No 2021 00292.doc

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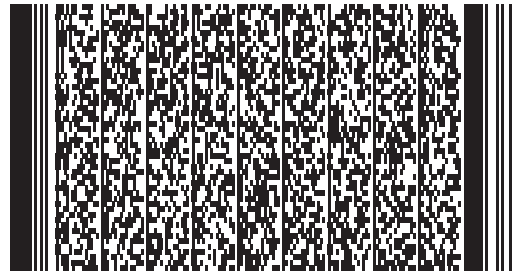
E-Signature Summary

E-Signature 1: David Mell (DLM)

August 30, 2021 11:04:15 -8:00 [1D561EBCBC0F] [167.239.221.103]
 dlmell@aep.com (Principal) (Personally Known)

E-Signature Notary: S. Smithhisler (SRS)

August 30, 2021 11:04:15 -8:00 [24771568BFEF] [167.239.221.102]
 srsmithhisler@aep.com
 I, S. Smithhisler, did witness the participants named above electronically sign this document.



VERIFICATION

The undersigned, David L. Mell, being duly sworn, deposes and says he is the Energy Production Superintendent – Big Sandy for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

David Mell

David L. Mell

State of Ohio)
)
County of Franklin)

Case No. 2021-00292

Subscribed and sworn before me, a Notary Public, by David L. Mell this 30th day of August, 2021.

S. Smithhisler

Notary Public



My Commission Expires: April 29, 2024

1F7D61D0-8727-4BFB-9C80-732B5CFB4E3B --- 2021/08/30 09:43:28 -8:00 --- Remote Notary





Rosenberger Verification Case No 2021 00292.doc

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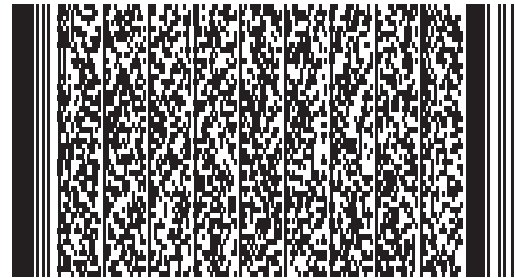
E-Signature Summary

E-Signature 1: Douglas J Rosenberger (DJR)

August 30, 2021 12:09:56 -8:00 [3A5B2BA15888] [167.239.221.101]
 djrosenberger@aep.com (Principal) (Personally Known)

E-Signature Notary: S. Smithhisler (SRS)

August 30, 2021 12:09:56 -8:00 [7C398E69B7D4] [167.239.221.102]
 srsmithhisler@aep.com
 I, S. Smithhisler, did witness the participants named above electronically sign this document.



VERIFICATION

The undersigned, Douglas J. Rosenberger, being duly sworn, deposes and says he is the Plant Manager – Mitchell for Kentucky Power Company, that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

Douglas J Rosenberger

Douglas J. Rosenberger

State of Ohio)
County of Franklin)

Case No. 2021-00292

Subscribed and sworn before me, a Notary Public, by Douglas J. Rosenberger this 30th day of August, 2021.

S. Smithhisler

Notary Public



My Commission Expires: April 29, 2024

4E2C75E5-4F77-48EB-85F3-EF4D91A10191 --- 2021/08/30 09:48:20 -8:00 --- Remote Notary

