

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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_1_Attachment1 for the requested information.

Witness: Amy E. Jeffries

Counterparty	Type of Purchase	Total Tons
Contura Coal Sales, LLC	Contract	117,233
Case Coal Sales, LLC	Spot	8,751
Blackhawk Coal Sales, LLC	Contract	27,183
Blackjewel Marketing and Sales, LLC	Spot	22,856
Consolidation Coal Company and McElroy Coal Company**	Contract	141,170
Ember Energy, LLC*	Contract	8,662
SNR Appalachian Trading, LLC	Spot	1,587
SNR RiverOps, LLC	Spot	8,112

Grand Total	335,554
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*Originally executed as a Spot purchase, but amended with the Term in excess of one year.

**Formerly listed as Consolidation Coal Company - OVRI

Total Contract	88%
Total Spot	12%

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DATA REQUEST

- 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_KPSC_1_2_Attachment1 for the requested information.

Witness: Amy E. Jeffries

This response is provided for the time period of November 1, 2019 through April 30, 2020 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	
03-00-17-004	Ember Energy, LLC	Various Mines, Magoffin County, KY	Barge	8,662	23,269	\$54.49	Note 1
03-00-18-002	Contura Coal Sales, LLC	Mammoth, Black Castle, Republic, Empire-Kanawha, Boone, Raleigh Counties, WV	Barge	88,287	105,818	\$53.00	Note 2
03-00-18-005	Blackjewel Marketing and Sales, LLC	Coal River Energy Mine 9, Boone County, WV	Barge	22,856	12,091	\$61.07	Note 3
03-00-18-006	Case Coal Sales, LLC	Stanbaugh, Louisa, and Flatgap, KY	Barge	8,751	9,254	\$62.50	Note 3
03-00-18-007	SNR RiverOps, LLC	Ivel, KY; Ft. Gay, WV; Toler, KY; White Oak, KY	Barge	8,112	11,333	\$58.00	Note 1
03-00-18-008	Blackhawk Coal Sales, LLC	Blue Creek Mine, Kanawha, WV	Barge	11,751	17,917	\$64.00	Note 2
03-00-18-009	Contura Coal Sales, LLC	Mammoth, Black Castle, Republic, Empire-Kanawha, Boone, Raleigh Counties, WV	Barge	28,946	38,750	\$63.00	Note 2
03-00-18-010	Blackhawk Coal Sales, LLC	Blue Creek Mine, Kanawha, WV	Barge	15,432	27,433	\$64.00	Note 2
03-00-18-4M1	SNR Appalachian Trading, LLC	Ivel, KY; Ft. Gay, WV; White Oak, KY	Barge	1,587	5,425	\$62.50	Note 3
07-77-05-900	Consolidation Coal Company and McElroy Coal Company	McElroy Mine, Marshall County, WV and Century Mine, Belmont/Monroe Counties, OH	Conveyor	141,170	287,616	\$42.29	Note 2

- Note 1 Seller failed to deliver required quantity during term. Agreement terminated/expired pursuant to contract provisions.
- Note 2 Company negotiated with supplier to defer tons to a later period to manage inventory piles
- Note 3 All contractual tonnage requirements met

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- 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 reason 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_3_Attachment1 for the requested information.

Witness: Amy E. Jeffries

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DATA REQUEST

- 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 period under review.

Witness: Amy E. Jeffries

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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 time 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: Amy E. Jeffries

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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_6_Attachment1 for this response.

Witness: Clinton M. Stutler

Natural Gas Purchases
November 1, 2019 - April 30, 2020

Counterparty	Type of Purchase	Gross MMBTUs
EDF Trading North America, LLC	Spot	60,000
Elevation Energy Group	Spot	16,000
Emera Energy Services, INC.	Spot	123,400
Interstate Gas Supply, Inc	Spot	10,000
J. Aron & Company	Spot	100,000
Macquarie Energy LLC	Spot	162,500
Mercuria Energy American, Inc.	Spot	15,000
NextEra Energy Power Marketing, LLC	Spot	146,000
NJR Energy Services	Spot	700
Sequent Energy Management, L.P.	Spot	1,657,600

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

Witness: Clinton M. Stutler

Witness: Amy E. Jeffries

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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 has not audited any of its fuel or fuel transportation contracts during the period under review.

Witness: Clinton M. Stutler

Witness: Amy E. Jeffries

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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: Amy E. Jeffries

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DATA REQUEST

- 1_11** a. For the period under review, state whether there have been any change 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 document has not been 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: Amy E. Jeffries

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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 period under review, 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.

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 each customer's peak load during the period under review. The cities use the power for load-following service to their citizens.

	November 2019 - April 2020
City of Olive Hill (MW)	4.8
City of Vanceburg (MW)	11.4

Witness: Brian K. West

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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: Brian K. West

Tracking Code	Description
AMRX2	Amerex Power, Ltd
APBE2	ICAP Energy LLC
BGCF2	BGC Financial LP
BPEC	BP Energy Company
CEI	Citigroup Energy Inc.
DEOI2	Duke Energy Ohio, Inc.
DLPM	Duquesne Light Company
DPLG	The Dayton Power and Light Co.
EDFT2	EDF Trading North America LLC
EVOF2	Evolution Markets Futures, LLC
EVOL2	Evolution Markets Inc.
EXGN	Exelon Generation
FESC	FirstEnergy Trading Services
ICET2	ICE Trade Vault LLC
IVGE2	IVG Energy, LTD
KNOL2	Knollwood Energy
MRETS	Midwest Renewable Energy
MSCG	Morgan Stanley Capital Group
MSUI2	Mizuho Securities USA Inc.
NASIA	Systems Integration Agreement
OHPA2	Ohio Power Company (Auction)
PJM	PJM Interconnection
PJME2	PJM Environmental Info Sys Inc
PPLT2	PPL Electric Utilities Corporation
PREE2	Tullett Prebon Americas Corp.
PVMF2	PVM Futures, Inc.
RBCC2	RBC Capital Market, LLC
SPSR2	Marex Spectron
TFS2	TFS Energy
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	2019	117		PJM	4470006	1.38	0
11	2019	117	NEQT	DEOI2	4470006	75527.68	1580000
11	2019	117	PHRT	SPSR2	4470006	-35.11	0
11	2019	117	PICT	AMRX2	4470006	-106.81	0
11	2019	117	PICT	APBE2	4470006	-221.62	0
11	2019	117	PICT	DLPM	4470006	129182.00	2369000
11	2019	117	PICT	DPLG	4470006	14071.80	289000
11	2019	117	PICT	EVOF2	4470006	-100.88	0
11	2019	117	PICT	FESC	4470006	319849.00	6844000
11	2019	117	PICT	IVGE2	4470006	-105.78	0
11	2019	117	PICT	PPLT2	4470006	506786.93	11210000
11	2019	117	PICT	PREE2	4470006	-620.94	0
11	2019	117	PICT	PVMF2	4470006	-7.80	0
11	2019	117	PICT	TFSF2	4470006	-91.32	0
11	2019	117	PICT	TRED2	4470006	-1239.38	0
11	2019	117	PSHD	AMRX2	4470006	-32.77	0
11	2019	117	PSHD	APBE2	4470006	-46.82	0
11	2019	117	PSHD	DLPM	4470006	13045.88	0
11	2019	117	PSHD	EVOF2	4470006	-207.33	0
11	2019	117	PSHD	IVGE2	4470006	-65.55	0
11	2019	117	PSHD	PREE2	4470006	-254.21	0
11	2019	117	PSHD	TFSF2	4470006	-68.74	0
11	2019	117	PSHD	TRED2	4470006	-67.11	0
					4470006 Total	1055192.50	22292000
11	2019	117		ICET2	4470010	-608.71	0
11	2019	117		PJM	4470010	-11717.22	-277783
11	2019	117		PJM	4470010	-70778.96	-1885353
11	2019	117		PJM	4470010	-81645.28	-1944540
11	2019	117		PJM	4470010	-18844.64	-479343
11	2019	117		PJM	4470010	-145725.75	-4172038
11	2019	117		PJM	4470010	-278296.64	-6639374
11	2019	117		PJM	4470010	-199.43	0
11	2019	117		PJM	4470010	-93.65	0
11	2019	117		PJM	4470010	-164515.69	-4041481
11	2019	117		PJM	4470010	-236376.91	-7038110
11	2019	117		PJM	4470010	0.00	0
11	2019	117	PHRT	ICET2	4470010	-42.14	0
11	2019	117	PHRT	SPSR2	4470010	-35.11	0
11	2019	117	PICT	AMRX2	4470010	-241.93	0
11	2019	117	PICT	APBE2	4470010	-260.83	0
11	2019	117	PICT	EVOF2	4470010	-209.34	0
11	2019	117	PICT	ICET2	4470010	-18.29	0
11	2019	117	PICT	IVGE2	4470010	-55.84	0
11	2019	117	PICT	PREE2	4470010	-142.72	0
11	2019	117	PICT	TRED2	4470010	-267.65	0
11	2019	117	PSHD	AMRX2	4470010	-32.77	0
11	2019	117	PSHD	APBE2	4470010	-50.10	0
11	2019	117	PSHD	EVOF2	4470010	-217.67	0
11	2019	117	PSHD	IVGE2	4470010	-114.71	0
11	2019	117	PSHD	PREE2	4470010	-313.50	0
11	2019	117	PSHD	SPSR2	4470010	-3.90	0
					4470010 Total	-1010809.38	-26478022

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
11	2019	117	PEQT	MSUI2	4470082	-1311.80	0
11	2019	117	PEQT	WELF2	4470082	2173.58	0
11	2019	117	PHRT	MSUI2	4470082	-660.52	0
11	2019	117	PHRT	RBCC2	4470082	-5538.85	0
11	2019	117	PHRT	WELF2	4470082	7306.23	0
11	2019	117	PICT	CEI	4470082	-17090.40	0
11	2019	117	PICT	MSCG	4470082	-63103.22	0
11	2019	117	PICT	MSUI2	4470082	-31593.60	0
11	2019	117	PICT	RBCC2	4470082	-296.27	0
11	2019	117	PICT	WELF2	4470082	-46873.58	0
11	2019	117	PMCB	WELF2	4470082	-3116.32	0
11	2019	117	PSHD	MSUI2	4470082	715.96	0
11	2019	117	PSHD	RBCC2	4470082	-547.02	0
11	2019	117	PSHD	WELF2	4470082	-21929.13	0
					4470082 Total	-181864.94	0
11	2019	117		PJM	4470089	-26639.05	0
					4470089 Total	-26639.05	0
11	2019	117		PJM	4470098	17005.89	0
					4470098 Total	17005.89	0
11	2019	117		PJM	4470099	295288.00	0
					4470099 Total	295288.00	0
11	2019	117		PJM	4470100	7530.10	0
					4470100 Total	7530.10	0
11	2019	117		PJM	4470103	741414.15	25462549
					4470103 Total	741414.15	25462549
11	2019	117		PJM	4470107	0.22	0
					4470107 Total	0.22	0
11	2019	117		PJM	4470110	-0.03	0
					4470110 Total	-0.03	0
11	2019	117	PHHS	DLPM	4470112	-364321.60	-8950000
					4470112 Total	-364321.60	-8950000
11	2019	117		PJM	4470115	-752.01	0
					4470115 Total	-752.01	0
11	2019	117		PJM	4470126	5478.42	0
					4470126 Total	5478.42	0
11	2019	117		PJM	4470127	29753.00	0
					4470127 Total	29753.00	0
11	2019	117		PJM	4470131	33.83	0
11	2019	117		PJM	4470131	250868.94	5525063
11	2019	117		PJM	4470131	124887.21	3111827
11	2019	117		PJM	4470131	168.69	0
11	2019	117		PJM	4470131	536.75	0
					4470131 Total	376495.42	8636890
11	2019	117	PHHS	AMRX2	4470143	-133.62	0
11	2019	117	PHHS	APBE2	4470143	-195.31	0
11	2019	117	PHHS	EVOF2	4470143	-129.17	0
11	2019	117	PHHS	ICET2	4470143	-52.20	0
11	2019	117	PHHS	MSUI2	4470143	438.21	0
11	2019	117	PHHS	RBCC2	4470143	-176431.06	0
11	2019	117	PHHS	WELF2	4470143	-3558.37	0
					4470143 Total	-180061.52	0
11	2019	117		OHPA2	4470151	189962.57	4016113.23
					4470151 Total	189962.57	4016113.23

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
11	2019	117	Physical	NASIA	4470175	-308525.17	0
11	2019	117	Trading	NASIA	4470175	-70985.38	0
					4470175 Total	-379510.55	0
11	2019	117	Physical	NASIA	4470176	308525.17	0
11	2019	117	Trading	NASIA	4470176	70985.38	0
					4470176 Total	379510.55	0
11	2019	117		PJM	4470206	1528.06	0
					4470206 Total	1528.06	0
11	2019	117		PJM	4470209	-7660.37	0
					4470209 Total	-7660.37	0
11	2019	117		PJM	4470214	104.04	0
					4470214 Total	104.04	0
11	2019	117		PJM	4470215	-92.16	0
					4470215 Total	-92.16	0
11	2019	117		PJM	4470220	48267.43	0
					4470220 Total	48267.43	0
11	2019	117		PJM	4470221	90.58	0
					4470221 Total	90.58	0
11	2019	117		PJM	5550039	265.64	0
					5550039 Total	265.64	0
11	2019	110		EDFT2	5570007	-1536.26	-3414
11	2019	110		EVOL2	5570007	-81.97	-123
11	2019	110		EXGN	5570007	-6925.34	-975
11	2019	110		PJME2	5570007	-52.74	-13185
11	2019	110		SPSR2	5570007	-278.96	-1951
11	2019	110		TFSF2	5570007	-138.51	-975
					5570007 Total	-9013.78	-20623
11	2019	117		PJM	5614000	0.00	0
11	2019	117		PJM	5614000	-3165.31	0
					5614000 Total	-3165.31	0
11	2019	117		PJM	5614008	-69.67	0
11	2019	117		PJM	5614008	-43.46	0
11	2019	117		PJM	5614008	-229.17	0
11	2019	117		PJM	5614008	-733.00	0
11	2019	117		PJM	5614008	-145.95	0
11	2019	117		PJM	5614008	-193.24	0
11	2019	117		PJM	5614008	-22.18	0
11	2019	117		PJM	5614008	-99.80	0
11	2019	117		PJM	5614008	-0.05	0
11	2019	117		PJM	5614008	-0.03	0
11	2019	117		PJM	5614008	-1295.34	0
11	2019	117		PJM	5614008	-647.94	0
11	2019	117		PJM	5614008	-46.94	0
11	2019	117		PJM	5614008	-2.61	0
11	2019	117		PJM	5614008	-47.47	0
11	2019	180		PJM	5614008	0.00	0
					5614008 Total	-3576.85	0
11	2019	117		PJM	5618000	0.00	0
11	2019	117		PJM	5618000	-937.71	0
11	2019	117		PJM	5618000	-36.92	0
					5618000 Total	-974.63	0
11	2019	117		PJM	5757000	0.00	0
11	2019	117		PJM	5757000	-2880.34	0
11	2019	117		PJM	5757000	-885.79	0
					5757000 Total	-3766.13	0

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2019	117		NASIA	4470006	\$ -	-
12	2019	117		PJM	4470006	\$ 3.18	-
12	2019	117	NEQT	DEOI2	4470006	\$ 88,903.13	1,877,000.00
12	2019	117	PEQT	TFSF2	4470006	\$ (10.82)	-
12	2019	117	PHRT	APBE2	4470006	\$ (31.21)	-
12	2019	117	PICT	AMRX2	4470006	\$ (123.05)	-
12	2019	117	PICT	APBE2	4470006	\$ (60.55)	-
12	2019	117	PICT	DLPM	4470006	\$ 2,026.81	37,000.00
12	2019	117	PICT	DPLG	4470006	\$ 16,240.55	334,000.00
12	2019	117	PICT	EVOF2	4470006	\$ (57.84)	-
12	2019	117	PICT	FESC	4470006	\$ 375,104.21	8,026,000.00
12	2019	117	PICT	IVGE2	4470006	\$ (90.32)	-
12	2019	117	PICT	PPLT2	4470006	\$ 622,035.13	13,585,000.00
12	2019	117	PICT	PREE2	4470006	\$ (257.19)	-
12	2019	117	PICT	TFSF2	4470006	\$ (19.20)	-
12	2019	117	PSHD	AMRX2	4470006	\$ (35.11)	-
12	2019	117	PSHD	APBE2	4470006	\$ (39.41)	-
12	2019	117	PSHD	DLPM	4470006	\$ -	-
12	2019	117	PSHD	EVOF2	4470006	\$ (265.72)	-
12	2019	117	PSHD	IVGE2	4470006	\$ (55.71)	-
12	2019	117	PSHD	PREE2	4470006	\$ (70.97)	-
				4470006 Total		\$ 1,103,195.91	23,859,000.00
12	2019	117		ICET2	4470010	\$ (133.21)	-
12	2019	117		PJM	4470010	\$ (11,273.69)	(334,301.00)
12	2019	117		PJM	4470010	\$ (52,886.07)	(1,880,218.00)
12	2019	117		PJM	4470010	\$ (235.43)	(31,006.00)
12	2019	117		PJM	4470010	\$ (49.07)	(6,053.00)
12	2019	117		PJM	4470010	\$ (154,496.94)	(4,826,179.00)
12	2019	117		PJM	4470010	\$ (271,515.16)	(8,047,916.00)
12	2019	117		PJM	4470010	\$ (201.18)	-
12	2019	117		PJM	4470010	\$ (91.12)	-
12	2019	117		PJM	4470010	\$ (148,708.19)	(4,390,039.00)
12	2019	117		PJM	4470010	\$ (263,560.92)	(8,744,773.00)
12	2019	117		PJM	4470010	\$ (313.50)	-
12	2019	117	PHRT	APBE2	4470010	\$ (31.21)	-
12	2019	117	PHRT	ICET2	4470010	\$ (31.90)	-
12	2019	117	PICT	AMRX2	4470010	\$ (67.35)	-
12	2019	117	PICT	APBE2	4470010	\$ (22.24)	-
12	2019	117	PICT	EVOF2	4470010	\$ (54.02)	-
12	2019	117	PICT	ICET2	4470010	\$ (18.29)	-
12	2019	117	PICT	IVGE2	4470010	\$ (73.16)	-
12	2019	117	PICT	PREE2	4470010	\$ (86.62)	-
12	2019	117	PICT	TRED2	4470010	\$ (128.17)	-
12	2019	117	PSHD	AMRX2	4470010	\$ (43.31)	-
12	2019	117	PSHD	APBE2	4470010	\$ (54.15)	-
12	2019	117	PSHD	EVOF2	4470010	\$ (268.61)	-
12	2019	117	PSHD	IVGE2	4470010	\$ (22.94)	-
12	2019	117	PSHD	PREE2	4470010	\$ (81.70)	-
				4470010 Total		\$ (904,448.15)	(28,260,485.00)
12	2019	117	PEQT	MSUI2	4470082	\$ (1,813.20)	-
12	2019	117	PEQT	WELF2	4470082	\$ 4,569.02	-
12	2019	117	PHRT	MSUI2	4470082	\$ 2,053.19	-
12	2019	117	PHRT	RBCC2	4470082	\$ (8,702.93)	-
12	2019	117	PHRT	WELF2	4470082	\$ 6,349.57	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2019	117	PICT	CEI	4470082	\$ (8,440.02)	-
12	2019	117	PICT	MSCG	4470082	\$ 6,267.98	-
12	2019	117	PICT	MSUI2	4470082	\$ (19,905.22)	-
12	2019	117	PICT	RBCC2	4470082	\$ (115,656.53)	-
12	2019	117	PICT	WELF2	4470082	\$ (87,754.80)	-
12	2019	117	PMCB	WELF2	4470082	\$ 1,896.62	-
12	2019	117	PSHD	MSUI2	4470082	\$ 11,960.47	-
12	2019	117	PSHD	RBCC2	4470082	\$ (10,923.53)	-
12	2019	117	PSHD	WELF2	4470082	\$ (18,778.47)	-
					4470082 Total	\$ (238,877.85)	-
12	2019	117		NASIA	4470089	\$ -	-
12	2019	117		PJM	4470089	\$ (11,082.39)	-
					4470089 Total	\$ (11,082.39)	-
12	2019	117		NASIA	4470098	\$ -	-
12	2019	117		PJM	4470098	\$ 0.01	-
12	2019	117		PJM	4470098	\$ (268.10)	-
					4470098 Total	\$ (268.09)	-
12	2019	117		NASIA	4470099	\$ -	-
12	2019	117		PJM	4470099	\$ 267,603.46	-
					4470099 Total	\$ 267,603.46	-
12	2019	117		NASIA	4470100	\$ -	-
12	2019	117		PJM	4470100	\$ 5,772.74	-
					4470100 Total	\$ 5,772.74	-
12	2019	117		NASIA	4470103	\$ -	-
12	2019	117		PJM	4470103	\$ 411,728.78	17,177,334.00
					4470103 Total	\$ 411,728.78	17,177,334.00
12	2019	117		PJM	4470107	\$ 0.21	-
					4470107 Total	\$ 0.21	-
12	2019	117		PJM	4470110	\$ (0.01)	-
					4470110 Total	\$ (0.01)	-
12	2019	117		NASIA	4470112	\$ -	-
12	2019	117	PHHS	DLPM	4470112	\$ 273.12	6,000.00
					4470112 Total	\$ 273.12	6,000.00
12	2019	117		NASIA	4470115	\$ -	-
12	2019	117		PJM	4470115	\$ (906.32)	-
					4470115 Total	\$ (906.32)	-
12	2019	117		PJM	4470126	\$ 1,093.02	-
					4470126 Total	\$ 1,093.02	-
12	2019	117		PJM	4470127	\$ 29,753.00	-
					4470127 Total	\$ 29,753.00	-
12	2019	117		PJM	4470131	\$ 1.00	-
12	2019	117		PJM	4470131	\$ (18.55)	(3,874.00)
12	2019	117		PJM	4470131	\$ (9.38)	(1,478.00)
12	2019	117		PJM	4470131	\$ 0.36	-
12	2019	117		PJM	4470131	\$ 1.49	-
					4470131 Total	\$ (25.08)	(5,352.00)
12	2019	117	PHHS	AMRX2	4470143	\$ (7.80)	-
12	2019	117	PHHS	APBE2	4470143	\$ (105.19)	-
12	2019	117	PHHS	EVOF2	4470143	\$ (6.73)	-
12	2019	117	PHHS	ICET2	4470143	\$ (6.01)	-
12	2019	117	PHHS	MSUI2	4470143	\$ (15.62)	-
12	2019	117	PHHS	PREE2	4470143	\$ (55.11)	-
12	2019	117	PHHS	RBCC2	4470143	\$ 11,292.09	-
12	2019	117	PHHS	WELF2	4470143	\$ 97,464.31	-
					4470143 Total	\$ 108,559.94	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2019	117		OHPA2	4470151	\$ 207,541.32	4,390,016.63
					4470151 Total	\$ 207,541.32	4,390,016.63
12	2019	117	Physical	NASIA	4470175	\$ (107,088.54)	-
12	2019	117	Trading	NASIA	4470175	\$ (34,564.81)	-
					4470175 Total	\$ (141,653.35)	-
12	2019	117	Physical	NASIA	4470176	\$ 107,088.54	-
12	2019	117	Trading	NASIA	4470176	\$ 34,564.81	-
					4470176 Total	\$ 141,653.35	-
12	2019	117		PJM	4470206	\$ 112.89	-
12	2019	117		PJM	4470206	\$ (55,484.28)	-
					4470206 Total	\$ (55,371.39)	-
12	2019	117		PJM	4470209	\$ (379.56)	-
					4470209 Total	\$ (379.56)	-
12	2019	117		NASIA	4470214	\$ -	-
12	2019	117		PJM	4470214	\$ 2.25	-
					4470214 Total	\$ 2.25	-
12	2019	117		NASIA	4470215	\$ -	-
12	2019	117		PJM	4470215	\$ 11.13	-
					4470215 Total	\$ 11.13	-
12	2019	117		NASIA	4470220	\$ -	-
12	2019	117		PJM	4470220	\$ 8,614.89	-
					4470220 Total	\$ 8,614.89	-
12	2019	117		NASIA	4470221	\$ -	-
12	2019	117		PJM	4470221	\$ (0.01)	-
					4470221 Total	\$ (0.01)	-
12	2019	117		NASIA	4470222	\$ -	-
12	2019	117		PJM	4470222	\$ 5,046.47	-
					4470222 Total	\$ 5,046.47	-
12	2019	117		PJM	5550039	\$ 135.36	-
					5550039 Total	\$ 135.36	-
12	2019	110		PJME2	5570007	\$ (193.90)	(11,899.00)
					5570007 Total	\$ (193.90)	(11,899.00)
12	2019	117		PJM	5614000	\$ -	-
12	2019	117		PJM	5614000	\$ (3,077.86)	-
					5614000 Total	\$ (3,077.86)	-
12	2019	117			5614008	\$ -	-
12	2019	117		PJM	5614008	\$ (59.96)	-
12	2019	117		PJM	5614008	\$ (37.40)	-
12	2019	117		PJM	5614008	\$ (197.22)	-
12	2019	117		PJM	5614008	\$ (72.60)	-
12	2019	117		PJM	5614008	\$ (14.46)	-
12	2019	117		PJM	5614008	\$ (5.39)	-
12	2019	117		PJM	5614008	\$ (19.09)	-
12	2019	117		PJM	5614008	\$ (85.88)	-
12	2019	117		PJM	5614008	\$ (0.04)	-
12	2019	117		PJM	5614008	\$ (0.02)	-
12	2019	117		PJM	5614008	\$ (1,114.75)	-
12	2019	117		PJM	5614008	\$ (18.07)	-
12	2019	117		PJM	5614008	\$ (40.40)	-
12	2019	117		PJM	5614008	\$ (2.25)	-
12	2019	117		PJM	5614008	\$ (40.86)	-
12	2019	180		PJM	5614008	\$ -	-
					5614008 Total	\$ (1,708.39)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
12	2019	117		PJM	5618000	\$ -	-
12	2019	117		PJM	5618000	\$ (906.56)	-
12	2019	117		PJM	5618000	\$ (44.82)	-
					5618000 Total	\$ (951.38)	-
12	2019	117		PJM	5757000	\$ -	-
12	2019	117		PJM	5757000	\$ (2,535.87)	-
12	2019	117		PJM	5757000	\$ (1,075.59)	-
					5757000 Total	\$ (3,611.46)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
1	2020	117		PJM	4470006	\$ 42,057.30	1,716,704.00
1	2020	117	NEQT	DEOI2	4470006	\$ 87,729.27	1,808,000.00
1	2020	117	PEQT	EVOF2	4470006	\$ (68.37)	-
1	2020	117	PHRT	EVOF2	4470006	\$ (105.98)	-
1	2020	117	PICT	AMRX2	4470006	\$ (57.56)	-
1	2020	117	PICT	APBE2	4470006	\$ (19.98)	-
1	2020	117	PICT	DLPM	4470006	\$ 1,489.55	27,000.00
1	2020	117	PICT	DPLG	4470006	\$ 17,616.79	362,000.00
1	2020	117	PICT	EVOF2	4470006	\$ (129.08)	-
1	2020	117	PICT	FESC	4470006	\$ 401,142.81	8,584,000.00
1	2020	117	PICT	IVGE2	4470006	\$ (250.53)	-
1	2020	117	PICT	PPLT2	4470006	\$ 612,778.17	13,394,000.00
1	2020	117	PICT	PREE2	4470006	\$ (504.23)	-
1	2020	117	PICT	TFSF2	4470006	\$ (3.43)	-
1	2020	117	PSHD	AMRX2	4470006	\$ (17.98)	-
1	2020	117	PSHD	APBE2	4470006	\$ (57.35)	-
1	2020	117	PSHD	EVOF2	4470006	\$ (137.30)	-
1	2020	117	PSHD	IVGE2	4470006	\$ (195.03)	-
1	2020	117	PSHD	PREE2	4470006	\$ (92.03)	-
1	2020	117	PSHD	SPSR2	4470006	\$ (16.39)	-
					4470006 Total	\$ 1,161,158.65	25,891,704.00
1	2020	117		ICET2	4470010	\$ (230.12)	-
1	2020	117		PJM	4470010	\$ (11,894.13)	(340,681.00)
1	2020	117		PJM	4470010	\$ (56,158.83)	(1,813,094.00)
1	2020	117		PJM	4470010	\$ (899.08)	(24,246.00)
1	2020	117		PJM	4470010	\$ (144.78)	(3,033.00)
1	2020	117		PJM	4470010	\$ (152,639.63)	(5,025,986.00)
1	2020	117		PJM	4470010	\$ (272,947.07)	(8,570,513.00)
1	2020	117		PJM	4470010	\$ (199.38)	-
1	2020	117		PJM	4470010	\$ (105.09)	-
1	2020	117		PJM	4470010	\$ (156,839.30)	(4,844,360.00)
1	2020	117		PJM	4470010	\$ (247,225.74)	(8,493,416.00)
1	2020	117		PJM	4470010	\$ (187,481.53)	-
1	2020	117	PEQT	BPEC	4470010	\$ (77,852.53)	(1,717,000.00)
1	2020	117	PEQT	EVOF2	4470010	\$ (68.37)	-
1	2020	117	PHRT	EVOF2	4470010	\$ (105.98)	-
1	2020	117	PHRT	ICET2	4470010	\$ (18.73)	-
1	2020	117	PICT	AMRX2	4470010	\$ (52.81)	-
1	2020	117	PICT	APBE2	4470010	\$ (79.51)	-
1	2020	117	PICT	EVOF2	4470010	\$ (150.41)	-
1	2020	117	PICT	ICET2	4470010	\$ (18.29)	-
1	2020	117	PICT	IVGE2	4470010	\$ (253.96)	-
1	2020	117	PICT	PREE2	4470010	\$ (76.08)	-
1	2020	117	PICT	TFSF2	4470010	\$ (4.68)	-
1	2020	117	PICT	TRED2	4470010	\$ (32.77)	-
1	2020	117	PSHD	APBE2	4470010	\$ (49.16)	-
1	2020	117	PSHD	EVOF2	4470010	\$ (137.30)	-
1	2020	117	PSHD	IVGE2	4470010	\$ (177.86)	-
1	2020	117	PSHD	PREE2	4470010	\$ (17.17)	-
1	2020	117	PSHD	SPSR2	4470010	\$ (16.39)	-
1	2020	117	PSHD	TRED2	4470010	\$ (17.17)	-
					4470010 Total	\$ (1,165,893.85)	(30,832,329.00)

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
1	2020	117	PEQT	MSUI2	4470082	\$ (2,618.97)	-
1	2020	117	PEQT	WELF2	4470082	\$ 15,270.75	-
1	2020	117	PHRT	MSUI2	4470082	\$ (18.51)	-
1	2020	117	PHRT	RBCC2	4470082	\$ (1,566.14)	-
1	2020	117	PHRT	WELF2	4470082	\$ 1,591.36	-
1	2020	117	PICT	CEI	4470082	\$ (10,829.96)	-
1	2020	117	PICT	MSCG	4470082	\$ 5,607.45	-
1	2020	117	PICT	MSUI2	4470082	\$ (23,591.85)	-
1	2020	117	PICT	RBCC2	4470082	\$ (58,880.43)	-
1	2020	117	PICT	WELF2	4470082	\$ (353,395.50)	-
1	2020	117	PICT	WVPA	4470082	\$ 18,882.42	-
1	2020	117	PMCB	WELF2	4470082	\$ (1,563.66)	-
1	2020	117	PSHD	MSUI2	4470082	\$ 0.21	-
1	2020	117	PSHD	RBCC2	4470082	\$ (67.18)	-
1	2020	117	PSHD	WELF2	4470082	\$ (6,634.79)	-
					4470082 Total	\$ (417,814.80)	-
1	2020	117		PJM	4470089	\$ (581.77)	-
					4470089 Total	\$ (581.77)	-
1	2020	117		PJM	4470098	\$ 0.02	-
1	2020	117		PJM	4470098	\$ (878.60)	-
					4470098 Total	\$ (878.58)	-
1	2020	117		PJM	4470099	\$ 295,286.46	-
					4470099 Total	\$ 295,286.46	-
1	2020	117		PJM	4470100	\$ (2,215.46)	-
					4470100 Total	\$ (2,215.46)	-
1	2020	117		PJM	4470103	\$ 612,271.47	27,448,395.00
					4470103 Total	\$ 612,271.47	27,448,395.00
1	2020	117		PJM	4470107	\$ 0.20	-
					4470107 Total	\$ 0.20	-
1	2020	117	PHHS	DLPM	4470112	\$ 414.52	8,000.00
					4470112 Total	\$ 414.52	8,000.00
1	2020	117		PJM	4470115	\$ (319.60)	-
					4470115 Total	\$ (319.60)	-
1	2020	117		PJM	4470126	\$ (1,880.02)	-
					4470126 Total	\$ (1,880.02)	-
1	2020	117		PJM	4470127	\$ 29,753.00	-
					4470127 Total	\$ 29,753.00	-
1	2020	117		PJM	4470131	\$ (120.28)	(6,592.00)
1	2020	117		PJM	4470131	\$ (38.58)	(1,646.00)
					4470131 Total	\$ (158.86)	(8,238.00)
1	2020	117	PHHS	APBE2	4470143	\$ (3.35)	-
1	2020	117	PHHS	ICET2	4470143	\$ (4.91)	-
1	2020	117	PHHS	MSUI2	4470143	\$ 18,242.72	-
1	2020	117	PHHS	RBCC2	4470143	\$ (1,218.16)	-
1	2020	117	PHHS	WELF2	4470143	\$ 408,983.99	-
					4470143 Total	\$ 426,000.29	-
1	2020	117		OHPA2	4470151	\$ 229,078.61	4,843,935.89
					4470151 Total	\$ 229,078.61	4,843,935.89
1	2020	117	Physical	NASIA	4470175	\$ 109,212.11	-
1	2020	117	Trading	NASIA	4470175	\$ (26,358.53)	-
					4470175 Total	\$ 82,853.58	-
1	2020	117	Physical	NASIA	4470176	\$ (109,212.11)	-
1	2020	117	Trading	NASIA	4470176	\$ 26,358.53	-
					4470176 Total	\$ (82,853.58)	-
1	2020	117		PJM	4470206	\$ 732.68	-
1	2020	117		PJM	4470206	\$ 187,481.53	-
					4470206 Total	\$ 188,214.21	-
1	2020	117		PJM	4470209	\$ (3,852.11)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
					4470209 Total	\$ (3,852.11)	-
1	2020	117		PJM	4470215	\$ 4.57	-
					4470215 Total	\$ 4.57	-
1	2020	117		PJM	4470220	\$ 19,487.41	-
					4470220 Total	\$ 19,487.41	-
1	2020	117		PJM	4470221	\$ 527.27	-
					4470221 Total	\$ 527.27	-
1	2020	117		PJM	4470222	\$ 50,291.57	-
					4470222 Total	\$ 50,291.57	-
1	2020	117		PJM	5550039	\$ 61.92	-
					5550039 Total	\$ 61.92	-
1	2020	110		KNOL2	5570007	\$ (2,575.06)	(54.00)
1	2020	110		MRETS	5570007	\$ (214.59)	-
1	2020	110		PJME2	5570007	\$ (59.88)	(14,970.00)
					5570007 Total	\$ (2,849.53)	(15,024.00)
1	2020	117		PJM	5614000	\$ -	-
1	2020	117		PJM	5614000	\$ (4,051.57)	-
					5614000 Total	\$ (4,051.57)	-
1	2020	117			5614008	\$ -	-
1	2020	117		PJM	5614008	\$ (44.61)	-
1	2020	117		PJM	5614008	\$ (27.83)	-
1	2020	117		PJM	5614008	\$ (146.75)	-
1	2020	117		PJM	5614008	\$ (44.16)	-
1	2020	117		PJM	5614008	\$ (8.79)	-
1	2020	117		PJM	5614008	\$ (3.28)	-
1	2020	117		PJM	5614008	\$ (14.20)	-
1	2020	117		PJM	5614008	\$ (63.90)	-
1	2020	117		PJM	5614008	\$ (0.03)	-
1	2020	117		PJM	5614008	\$ (0.02)	-
1	2020	117		PJM	5614008	\$ (829.48)	-
1	2020	117		PJM	5614008	\$ (10.99)	-
1	2020	117		PJM	5614008	\$ (30.06)	-
1	2020	117		PJM	5614008	\$ (1.67)	-
1	2020	117		PJM	5614008	\$ (30.40)	-
1	2020	180		PJM	5614008	\$ -	-
					5614008 Total	\$ (1,256.17)	-
1	2020	117		PJM	5618000	\$ -	-
1	2020	117		PJM	5618000	\$ (1,769.66)	-
1	2020	117		PJM	5618000	\$ (45.59)	-
					5618000 Total	\$ (1,815.25)	-
1	2020	117		PJM	5757000	\$ -	-
1	2020	117		PJM	5757000	\$ (3,332.60)	-
1	2020	117		PJM	5757000	\$ (1,093.91)	-
					5757000 Total	\$ (4,426.51)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
2	2020	117		PJM	4470006	\$ 32,625.87	1,560,640.00
2	2020	117	NEQT	DEOI2	4470006	\$ 93,534.43	1,883,000.00
2	2020	117	PEQT	PREE2	4470006	\$ (22.53)	-
2	2020	117	PHHS	AMRX2	4470006	\$ -	-
2	2020	117	PHHS	APBE2	4470006	\$ -	-
2	2020	117	PICT	AMRX2	4470006	\$ (183.95)	-
2	2020	117	PICT	APBE2	4470006	\$ (55.04)	-
2	2020	117	PICT	DLPM	4470006	\$ (0.97)	-
2	2020	117	PICT	DPLG	4470006	\$ 15,611.29	321,000.00
2	2020	117	PICT	EVOF2	4470006	\$ (99.57)	-
2	2020	117	PICT	FESC	4470006	\$ 355,736.22	7,613,000.00
2	2020	117	PICT	IVGE2	4470006	\$ (93.79)	-
2	2020	117	PICT	PPLT2	4470006	\$ 560,588.99	12,248,000.00
2	2020	117	PICT	PREE2	4470006	\$ (333.57)	-
2	2020	117	PICT	PVMF2	4470006	\$ (4.58)	-
2	2020	117	PICT	TFSF2	4470006	\$ (8.58)	-
2	2020	117	PSHD	AMRX2	4470006	\$ (7.96)	-
2	2020	117	PSHD	APBE2	4470006	\$ -	-
2	2020	117	PSHD	EVOF2	4470006	\$ (25.49)	-
2	2020	117	PSHD	IVGE2	4470006	\$ (12.74)	-
2	2020	117	PSHD	PREE2	4470006	\$ -	-
					4470006 Total	\$ 1,057,248.03	23,625,640.00
2	2020	117		ICET2	4470010	\$ -	-
2	2020	117		PJM	4470010	\$ (23.14)	-
2	2020	117		PJM	4470010	\$ (9,645.64)	(319,978.00)
2	2020	117		PJM	4470010	\$ (53,171.93)	(1,942,896.00)
2	2020	117		PJM	4470010	\$ (648.78)	144.00
2	2020	117		PJM	4470010	\$ (89.93)	40.00
2	2020	117		PJM	4470010	\$ (125,257.86)	(4,540,798.00)
2	2020	117		PJM	4470010	\$ (231,046.52)	(7,603,613.00)
2	2020	117		PJM	4470010	\$ (193.98)	-
2	2020	117		PJM	4470010	\$ (112.52)	-
2	2020	117		PJM	4470010	\$ (128,203.49)	(4,709,308.00)
2	2020	117		PJM	4470010	\$ (198,905.18)	(7,595,458.00)
2	2020	117	PEQT	BPEC	4470010	\$ (70,775.02)	(1,561,000.00)
2	2020	117	PEQT	PREE2	4470010	\$ (22.53)	-
2	2020	117	PHHS	ICET2	4470010	\$ -	-
2	2020	117	PICT	AMRX2	4470010	\$ (377.16)	-
2	2020	117	PICT	APBE2	4470010	\$ (38.11)	-
2	2020	117	PICT	EVOF2	4470010	\$ (103.24)	-
2	2020	117	PICT	ICET2	4470010	\$ (18.29)	-
2	2020	117	PICT	IVGE2	4470010	\$ (37.05)	-
2	2020	117	PICT	PREE2	4470010	\$ (444.58)	-
2	2020	117	PICT	TFSF2	4470010	\$ -	-
2	2020	117	PICT	TRED2	4470010	\$ (24.97)	-
2	2020	117	PSHD	APBE2	4470010	\$ (11.83)	-
2	2020	117	PSHD	EVOF2	4470010	\$ (25.49)	-
2	2020	117	PSHD	PREE2	4470010	\$ (17.35)	-
					4470010 Total	\$ (819,194.59)	(28,272,867.00)
2	2020	117	PEQT	MSUI2	4470082	\$ (2,402.84)	-
2	2020	117	PEQT	WELF2	4470082	\$ 16,049.31	-
2	2020	117	PHRT	MSUI2	4470082	\$ (0.01)	-
2	2020	117	PHRT	RBCC2	4470082	\$ (2,894.88)	-
2	2020	117	PHRT	WELF2	4470082	\$ 2,915.02	-
2	2020	117	PICT	CEI	4470082	\$ (8,505.83)	-
2	2020	117	PICT	MSCG	4470082	\$ 2,273.07	-
2	2020	117	PICT	MSUI2	4470082	\$ (23,683.43)	-
2	2020	117	PICT	RBCC2	4470082	\$ (68,039.89)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
2	2020	117	PICT	WELF2	4470082	\$ (351,702.78)	-
2	2020	117	PICT	WVPA	4470082	\$ 21,806.29	-
2	2020	117	PMCB	WELF2	4470082	\$ 3,372.68	-
2	2020	117	PSHD	MSUI2	4470082	\$ (14.87)	-
2	2020	117	PSHD	RBCC2	4470082	\$ (11.06)	-
2	2020	117	PSHD	WELF2	4470082	\$ (21,841.71)	-
					4470082 Total	\$ (432,680.93)	-
2	2020	117		PJM	4470089	\$ (22,939.58)	-
					4470089 Total	\$ (22,939.58)	-
2	2020	117		PJM	4470098	\$ (144.10)	-
					4470098 Total	\$ (144.10)	-
2	2020	117		PJM	4470099	\$ 304,877.37	-
					4470099 Total	\$ 304,877.37	-
2	2020	117		PJM	4470100	\$ (4,590.48)	-
					4470100 Total	\$ (4,590.48)	-
2	2020	117		PJM	4470103	\$ 270,049.82	13,215,366.00
					4470103 Total	\$ 270,049.82	13,215,366.00
2	2020	117		PJM	4470107	\$ (0.43)	-
					4470107 Total	\$ (0.43)	-
2	2020	117		PJM	4470110	\$ (0.01)	-
					4470110 Total	\$ (0.01)	-
2	2020	117	PHHS	DLPM	4470112	\$ (1.56)	-
					4470112 Total	\$ (1.56)	-
2	2020	117		PJM	4470115	\$ (290.08)	-
					4470115 Total	\$ (290.08)	-
2	2020	117		PJM	4470126	\$ 2,724.64	-
					4470126 Total	\$ 2,724.64	-
2	2020	117		PJM	4470127	\$ 29,753.00	-
					4470127 Total	\$ 29,753.00	-
2	2020	117		PJM	4470131	\$ (176.35)	40.00
2	2020	117		PJM	4470131	\$ (48.89)	21.00
					4470131 Total	\$ (225.24)	61.00
2	2020	117	PHHS	AMRX2	4470143	\$ (4.75)	-
2	2020	117	PHHS	APBE2	4470143	\$ (17.52)	-
2	2020	117	PHHS	ICET2	4470143	\$ (9.93)	-
2	2020	117	PHHS	MSUI2	4470143	\$ 17,236.16	-
2	2020	117	PHHS	RBCC2	4470143	\$ (2,753.91)	-
2	2020	117	PHHS	WELF2	4470143	\$ 396,516.91	-
					4470143 Total	\$ 410,966.96	-
2	2020	117		OHPA2	4470151	\$ 222,304.28	4,709,610.63
					4470151 Total	\$ 222,304.28	4,709,610.63
2	2020	117	Physical	NASIA	4470175	\$ 21,320.29	-
2	2020	117	Trading	NASIA	4470175	\$ 2,680.56	-
					4470175 Total	\$ 24,000.85	-
2	2020	117	Physical	NASIA	4470176	\$ (21,320.29)	-
2	2020	117	Trading	NASIA	4470176	\$ (2,680.56)	-
					4470176 Total	\$ (24,000.85)	-
2	2020	117		PJM	4470206	\$ 907.29	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
					4470206 Total	\$ 907.29	-
2	2020	117		PJM	4470209	\$ (4,232.47)	-
					4470209 Total	\$ (4,232.47)	-
2	2020	117		PJM	4470214	\$ 8.48	-
					4470214 Total	\$ 8.48	-
2	2020	117		PJM	4470215	\$ (4.03)	-
					4470215 Total	\$ (4.03)	-
2	2020	117		PJM	4470220	\$ 14,701.74	-
					4470220 Total	\$ 14,701.74	-
2	2020	117		PJM	4470221	\$ 55.68	-
					4470221 Total	\$ 55.68	-
2	2020	117		PJM	5550039	\$ 60.92	-
					5550039 Total	\$ 60.92	-
2	2020	110		PJME2	5570007	\$ (54.27)	(13,567.00)
					5570007 Total	\$ (54.27)	(13,567.00)
2	2020	117		PJM	5614000	\$ -	-
2	2020	117		PJM	5614000	\$ (2,353.16)	-
					5614000 Total	\$ (2,353.16)	-
2	2020	117			5614008	\$ -	-
2	2020	117		PJM	5614008	\$ (161.71)	-
2	2020	117		PJM	5614008	\$ (100.87)	-
2	2020	117		PJM	5614008	\$ (531.91)	-
2	2020	117		PJM	5614008	\$ (263.64)	-
2	2020	117		PJM	5614008	\$ (54.03)	-
2	2020	117		PJM	5614008	\$ (24.02)	-
2	2020	117		PJM	5614008	\$ (51.47)	-
2	2020	117		PJM	5614008	\$ (231.64)	-
2	2020	117		PJM	5614008	\$ (0.12)	-
2	2020	117		PJM	5614008	\$ (0.06)	-
2	2020	117		PJM	5614008	\$ (3,006.59)	-
2	2020	117		PJM	5614008	\$ (80.54)	-
2	2020	117		PJM	5614008	\$ (108.96)	-
2	2020	117		PJM	5614008	\$ (6.07)	-
2	2020	117		PJM	5614008	\$ (110.19)	-
2	2020	180		PJM	5614008	\$ -	-
					5614008 Total	\$ (4,731.82)	-
2	2020	117		PJM	5618000	\$ -	-
2	2020	117		PJM	5618000	\$ (688.66)	-
2	2020	117		PJM	5618000	\$ (38.66)	-
					5618000 Total	\$ (727.32)	-
2	2020	117		PJM	5757000	\$ -	-
2	2020	117		PJM	5757000	\$ (2,007.24)	-
2	2020	117		PJM	5757000	\$ (927.56)	-
					5757000 Total	\$ (2,934.80)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
3	2020	117		PJM	4470006	\$ 2.94	-
3	2020	117	NEQT	DEOI2	4470006	\$ 62,211.10	1,299,000.00
3	2020	117	PICT	AMRX2	4470006	\$ (27.96)	-
3	2020	117	PICT	APBE2	4470006	\$ (121.75)	-
3	2020	117	PICT	DPLG	4470006	\$ 13,357.13	274,000.00
3	2020	117	PICT	EVOF2	4470006	\$ (107.90)	-
3	2020	117	PICT	FESC	4470006	\$ 321,410.31	6,877,000.00
3	2020	117	PICT	IVGE2	4470006	\$ (15.12)	-
3	2020	117	PICT	PPLT2	4470006	\$ 486,731.45	10,642,000.00
3	2020	117	PICT	PREE2	4470006	\$ (399.01)	-
3	2020	117	PICT	PVMF2	4470006	\$ (4.29)	-
3	2020	117	PICT	TFS2	4470006	\$ (3.12)	-
3	2020	117	PICT	TFSF2	4470006	\$ (36.21)	-
					4470006 Total	\$ 882,997.57	19,092,000.00
3	2020	117		ICET2	4470010	\$ (206.14)	-
3	2020	117		PJM	4470010	\$ 23.14	-
3	2020	117		PJM	4470010	\$ (8,120.36)	(275,778.00)
3	2020	117		PJM	4470010	\$ (38,262.03)	(1,340,972.00)
3	2020	117		PJM	4470010	\$ 0.61	-
3	2020	117		PJM	4470010	\$ 0.15	-
3	2020	117		PJM	4470010	\$ (109,895.02)	(4,004,351.00)
3	2020	117		PJM	4470010	\$ (209,875.60)	(6,887,587.00)
3	2020	117		PJM	4470010	\$ (200.62)	-
3	2020	117		PJM	4470010	\$ (114.88)	-
3	2020	117		PJM	4470010	\$ (125,473.96)	(3,996,205.00)
3	2020	117		PJM	4470010	\$ (171,118.96)	(6,682,980.00)
3	2020	117	PEQT	BPEC	4470010	\$ -	-
3	2020	117	PICT	AMRX2	4470010	\$ (10.39)	-
3	2020	117	PICT	APBE2	4470010	\$ (184.12)	-
3	2020	117	PICT	EVOF2	4470010	\$ (75.72)	-
3	2020	117	PICT	ICET2	4470010	\$ (18.29)	-
3	2020	117	PICT	IVGE2	4470010	\$ (10.24)	-
3	2020	117	PICT	PREE2	4470010	\$ (531.84)	-
3	2020	117	PICT	TFSF2	4470010	\$ (53.59)	-
3	2020	117	PSHD	EVOF2	4470010	\$ (13.73)	-
					4470010 Total	\$ (664,141.59)	(23,187,873.00)
3	2020	117	PEQT	MSUI2	4470082	\$ (2,492.22)	-
3	2020	117	PEQT	WELF2	4470082	\$ (2,284.22)	-
3	2020	117	PHRT	RBCC2	4470082	\$ (1,493.88)	-
3	2020	117	PHRT	WELF2	4470082	\$ 1,816.68	-
3	2020	117	PICT	CEI	4470082	\$ (7,935.69)	-
3	2020	117	PICT	MSCG	4470082	\$ (3,705.15)	-
3	2020	117	PICT	MSUI2	4470082	\$ (26,425.27)	-
3	2020	117	PICT	RBCC2	4470082	\$ (84,238.45)	-
3	2020	117	PICT	WELF2	4470082	\$ (283,244.55)	-
3	2020	117	PICT	WVPA	4470082	\$ 27,262.36	-
3	2020	117	PMCB	WELF2	4470082	\$ (1,998.59)	-
3	2020	117	PSHD	MSUI2	4470082	\$ (14.16)	-
3	2020	117	PSHD	RBCC2	4470082	\$ (14.92)	-
3	2020	117	PSHD	WELF2	4470082	\$ (19,569.31)	-
					4470082 Total	\$ (404,337.37)	-
3	2020	117		PJM	4470089	\$ (84,978.14)	-
					4470089 Total	\$ (84,978.14)	-
3	2020	117		PJM	4470098	\$ (103.68)	-
					4470098 Total	\$ (103.68)	-
3	2020	117		PJM	4470099	\$ 323,150.15	-
					4470099 Total	\$ 323,150.15	-
3	2020	117		PJM	4470100	\$ 7,469.57	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
					4470100 Total	\$ 7,469.57	-
3	2020	117		PJM	4470103	\$ 538,643.01	25,867,132.00
					4470103 Total	\$ 538,643.01	25,867,132.00
3	2020	117		PJM	4470107	\$ (0.33)	-
					4470107 Total	\$ (0.33)	-
3	2020	117		PJM	4470110	\$ 0.01	-
					4470110 Total	\$ 0.01	-
3	2020	117		PJM	4470115	\$ (346.93)	-
					4470115 Total	\$ (346.93)	-
3	2020	117		PJM	4470126	\$ 1,313.02	-
					4470126 Total	\$ 1,313.02	-
3	2020	117		PJM	4470127	\$ 29,753.00	-
					4470127 Total	\$ 29,753.00	-
3	2020	117		PJM	4470131	\$ 0.15	-
3	2020	117		PJM	4470131	\$ 0.06	-
					4470131 Total	\$ 0.21	-
3	2020	117	PHHS	APBE2	4470143	\$ (10.08)	-
3	2020	117	PHHS	ICET2	4470143	\$ (8.84)	-
3	2020	117	PHHS	MSUI2	4470143	\$ (16.09)	-
3	2020	117	PHHS	RBCC2	4470143	\$ (42.13)	-
3	2020	117	PHHS	WELF2	4470143	\$ 998.87	-
					4470143 Total	\$ 921.73	-
3	2020	117		OHPA2	4470151	\$ 189,013.60	3,996,280.13
					4470151 Total	\$ 189,013.60	3,996,280.13
3	2020	117	Physical	NASIA	4470175	\$ (292,106.78)	-
3	2020	117	Trading	NASIA	4470175	\$ (3,033.28)	-
					4470175 Total	\$ (295,140.06)	-
3	2020	117	Physical	NASIA	4470176	\$ 292,106.78	-
3	2020	117	Trading	NASIA	4470176	\$ 3,033.28	-
					4470176 Total	\$ 295,140.06	-
3	2020	117		PJM	4470206	\$ 784.62	-
					4470206 Total	\$ 784.62	-
3	2020	117		PJM	4470209	\$ (3,254.51)	-
					4470209 Total	\$ (3,254.51)	-
3	2020	117		PJM	4470214	\$ 10.52	-
					4470214 Total	\$ 10.52	-
3	2020	117		PJM	4470215	\$ 19.37	-
					4470215 Total	\$ 19.37	-
3	2020	117		PJM	4470220	\$ 39,610.28	-
					4470220 Total	\$ 39,610.28	-
3	2020	117		PJM	4470221	\$ 0.13	-
					4470221 Total	\$ 0.13	-
3	2020	117		PJM	4470222	\$ 6,094.62	-
					4470222 Total	\$ 6,094.62	-
3	2020	117		PJM	5550039	\$ 65.14	-
					5550039 Total	\$ 65.14	-
3	2020	110		PJME2	5570007	\$ (54.10)	(13,525.00)
					5570007 Total	\$ (54.10)	(13,525.00)
3	2020	117		PJM	5614000	\$ -	-
3	2020	117		PJM	5614000	\$ (4,418.59)	-
					5614000 Total	\$ (4,418.59)	-
3	2020	117			5614008	\$ -	-
3	2020	117		PJM	5614008	\$ (92.70)	-
3	2020	117		PJM	5614008	\$ (57.82)	-
3	2020	117		PJM	5614008	\$ (304.90)	-
3	2020	117		PJM	5614008	\$ (143.77)	-
3	2020	117		PJM	5614008	\$ (29.17)	-
3	2020	117		PJM	5614008	\$ (12.26)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
3	2020	117		PJM	5614008	\$ (29.51)	-
3	2020	117		PJM	5614008	\$ (132.78)	-
3	2020	117		PJM	5614008	\$ (0.07)	-
3	2020	117		PJM	5614008	\$ (0.04)	-
3	2020	117		PJM	5614008	\$ (1,723.43)	-
3	2020	117		PJM	5614008	\$ (41.09)	-
3	2020	117		PJM	5614008	\$ (62.46)	-
3	2020	117		PJM	5614008	\$ (3.48)	-
3	2020	117		PJM	5614008	\$ (63.16)	-
3	2020	180		PJM	5614008	\$ -	-
					5614008 Total	\$ (2,696.64)	-
3	2020	117		PJM	5618000	\$ -	-
3	2020	117		PJM	5618000	\$ (1,292.29)	-
3	2020	117		PJM	5618000	\$ (45.81)	-
					5618000 Total	\$ (1,338.10)	-
3	2020	117		PJM	5757000	\$ -	-
3	2020	117		PJM	5757000	\$ (3,773.52)	-
3	2020	117		PJM	5757000	\$ (1,099.35)	-
					5757000 Total	\$ (4,872.87)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
4	2020	117		NASIA	4470006	\$ -	-
4	2020	117		PJM	4470006	\$ 1.31	-
4	2020	117	NEQT	DEOI2	4470006	\$ 50,359.28	1,050,000.00
4	2020	117	PEQT	EVOF2	4470006	\$ (9.34)	-
4	2020	117	PHRT	EVOF2	4470006	\$ (6.27)	-
4	2020	117	PHRT	PREE2	4470006	\$ (14.04)	-
4	2020	117	PICT	AMRX2	4470006	\$ (559.25)	-
4	2020	117	PICT	APBE2	4470006	\$ (48.92)	-
4	2020	117	PICT	DPLG	4470006	\$ 11,248.48	232,000.00
4	2020	117	PICT	EVOF2	4470006	\$ (81.51)	-
4	2020	117	PICT	FESC	4470006	\$ 284,439.91	6,087,000.00
4	2020	117	PICT	IVGE2	4470006	\$ (17.85)	-
4	2020	117	PICT	PPLT2	4470006	\$ 430,366.66	9,399,000.00
4	2020	117	PICT	PREE2	4470006	\$ (700.39)	-
4	2020	117	PICT	TFSF2	4470006	\$ (216.95)	-
4	2020	117	PICT	TRED2	4470006	\$ (128.17)	-
4	2020	117	PSHD	AMRX2	4470006	\$ (33.05)	-
4	2020	117	PSHD	EVOF2	4470006	\$ (76.37)	-
4	2020	117	PSHD	IVGE2	4470006	\$ (46.82)	-
4	2020	117	PSHD	PREE2	4470006	\$ (10.27)	-
				4470006 Total		\$ 774,466.44	16,768,000.00
4	2020	117		ICET2	4470010	\$ (86.78)	-
4	2020	117		PJM	4470010	\$ (7,043.34)	(229,883.00)
4	2020	117		PJM	4470010	\$ (30,402.99)	(1,196,941.00)
4	2020	117		PJM	4470010	\$ 3.81	-
4	2020	117		PJM	4470010	\$ 0.98	-
4	2020	117		PJM	4470010	\$ (98,030.67)	(3,280,219.00)
4	2020	117		PJM	4470010	\$ (185,724.65)	(6,076,314.00)
4	2020	117		PJM	4470010	\$ (206.74)	-
4	2020	117		PJM	4470010	\$ (120.28)	-
4	2020	117		PJM	4470010	\$ (99,726.89)	(3,252,465.00)
4	2020	117		PJM	4470010	\$ (162,979.04)	(6,073,528.00)
4	2020	117	PEQT	EVOF2	4470010	\$ (9.34)	-
4	2020	117	PHRT	EVOF2	4470010	\$ (6.27)	-
4	2020	117	PHRT	ICET2	4470010	\$ (9.75)	-
4	2020	117	PHRT	PREE2	4470010	\$ (14.04)	-
4	2020	117	PICT	AMRX2	4470010	\$ (146.41)	-
4	2020	117	PICT	APBE2	4470010	\$ (41.49)	-
4	2020	117	PICT	BGCF2	4470010	\$ (12.95)	-
4	2020	117	PICT	EVOF2	4470010	\$ (81.51)	-
4	2020	117	PICT	ICET2	4470010	\$ (18.29)	-
4	2020	117	PICT	IVGE2	4470010	\$ (35.02)	-
4	2020	117	PICT	PREE2	4470010	\$ (411.22)	-
4	2020	117	PICT	TFSF2	4470010	\$ (104.05)	-
4	2020	117	PICT	TRED2	4470010	\$ (75.85)	-
4	2020	117	PSHD	AMRX2	4470010	\$ (33.05)	-
4	2020	117	PSHD	EVOF2	4470010	\$ (66.24)	-
4	2020	117	PSHD	IVGE2	4470010	\$ (46.82)	-
4	2020	117	PSHD	PREE2	4470010	\$ (43.55)	-
				4470010 Total		\$ (585,472.44)	(20,109,350.00)
4	2020	117	PEQT	MSUI2	4470082	\$ (2,827.14)	-
4	2020	117	PEQT	WELF2	4470082	\$ (3,344.56)	-
4	2020	117	PHRT	RBCC2	4470082	\$ 432.14	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
4	2020	117	PHRT	WELF2	4470082	\$ (233.00)	-
4	2020	117	PICT	CEI	4470082	\$ (5,488.90)	-
4	2020	117	PICT	MSCG	4470082	\$ 5,053.58	-
4	2020	117	PICT	MSUI2	4470082	\$ (25,387.14)	-
4	2020	117	PICT	RBCC2	4470082	\$ (91,096.19)	-
4	2020	117	PICT	WELF2	4470082	\$ (207,802.32)	-
4	2020	117	PICT	WVPA	4470082	\$ 28,523.51	-
4	2020	117	PMCB	WELF2	4470082	\$ (403.40)	-
4	2020	117	PSHD	MSUI2	4470082	\$ (11.30)	-
4	2020	117	PSHD	RBCC2	4470082	\$ (32.48)	-
4	2020	117	PSHD	WELF2	4470082	\$ (26,788.93)	-
					4470082 Total	\$ (329,406.13)	-
4	2020	117		NASIA	4470089	\$ -	-
4	2020	117		PJM	4470089	\$ (51,893.01)	-
					4470089 Total	\$ (51,893.01)	-
4	2020	117		NASIA	4470098	\$ -	-
4	2020	117		PJM	4470098	\$ (268.36)	-
					4470098 Total	\$ (268.36)	-
4	2020	117		NASIA	4470099	\$ -	-
4	2020	117		PJM	4470099	\$ 313,923.75	-
					4470099 Total	\$ 313,923.75	-
4	2020	117		NASIA	4470100	\$ -	-
4	2020	117		PJM	4470100	\$ 8,289.54	-
					4470100 Total	\$ 8,289.54	-
4	2020	117		NASIA	4470103	\$ -	-
4	2020	117		PJM	4470103	\$ 460,462.34	22,459,516.00
					4470103 Total	\$ 460,462.34	22,459,516.00
4	2020	117		PJM	4470107	\$ (0.43)	-
					4470107 Total	\$ (0.43)	-
4	2020	117		PJM	4470110	\$ 0.01	-
					4470110 Total	\$ 0.01	-
4	2020	117		NASIA	4470112	\$ -	-
					4470112 Total	\$ -	-
4	2020	117		NASIA	4470115	\$ -	-
4	2020	117		PJM	4470115	\$ 671.56	-
					4470115 Total	\$ 671.56	-
4	2020	117		PJM	4470126	\$ 157.37	-
					4470126 Total	\$ 157.37	-
4	2020	117		PJM	4470127	\$ 29,753.00	-
					4470127 Total	\$ 29,753.00	-
4	2020	117		PJM	4470131	\$ 0.05	-
4	2020	117		PJM	4470131	\$ 0.03	-
					4470131 Total	\$ 0.08	-
4	2020	117	PHHS	AMRX2	4470143	\$ (0.54)	-
4	2020	117	PHHS	APBE2	4470143	\$ (0.39)	-
4	2020	117	PHHS	ICET2	4470143	\$ (0.46)	-
4	2020	117	PHHS	MSUI2	4470143	\$ (0.25)	-
4	2020	117	PHHS	WELF2	4470143	\$ 643.59	-
					4470143 Total	\$ 641.95	-
4	2020	117		OHPA2	4470151	\$ 153,853.08	3,252,501.54
					4470151 Total	\$ 153,853.08	3,252,501.54
4	2020	117	Physical	NASIA	4470175	\$ (264,713.36)	-
4	2020	117	Trading	NASIA	4470175	\$ (10,017.50)	-

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered
					4470175 Total	\$ (274,730.86)	-
4	2020	117	Physical	NASIA	4470176	\$ 264,713.36	-
4	2020	117	Trading	NASIA	4470176	\$ 10,017.50	-
					4470176 Total	\$ 274,730.86	-
4	2020	117		PJM	4470206	\$ 415.05	-
					4470206 Total	\$ 415.05	-
4	2020	117		PJM	4470209	\$ (1,971.38)	-
					4470209 Total	\$ (1,971.38)	-
4	2020	117		NASIA	4470214	\$ -	-
4	2020	117		PJM	4470214	\$ -	-
					4470214 Total	\$ -	-
4	2020	117		NASIA	4470215	\$ -	-
4	2020	117		PJM	4470215	\$ 5.49	-
					4470215 Total	\$ 5.49	-
4	2020	117		NASIA	4470220	\$ -	-
4	2020	117		PJM	4470220	\$ 27,532.39	-
					4470220 Total	\$ 27,532.39	-
4	2020	117		NASIA	4470221	\$ -	-
4	2020	117		PJM	4470221	\$ 159.92	-
					4470221 Total	\$ 159.92	-
4	2020	117		NASIA	4470222	\$ -	-
4	2020	117		PJM	4470222	\$ 5,548.60	-
					4470222 Total	\$ 5,548.60	-
4	2020	117		PJM	5550039	\$ 51.71	-
					5550039 Total	\$ 51.71	-
4	2020	110		EVOL2	5570007	\$ (14.58)	(22.00)
4	2020	110		PJME2	5570007	\$ (48.53)	(12,133.00)
					5570007 Total	\$ (63.11)	(12,155.00)
4	2020	117		PJM	5614000	\$ -	-
4	2020	117		PJM	5614000	\$ (4,175.83)	-
					5614000 Total	\$ (4,175.83)	-
4	2020	117			5614008	\$ -	-
4	2020	117		PJM	5614008	\$ (27.35)	-
4	2020	117		PJM	5614008	\$ (17.06)	-
4	2020	117		PJM	5614008	\$ (89.97)	-
4	2020	117		PJM	5614008	\$ (2.53)	-
4	2020	117		PJM	5614008	\$ (0.50)	-
4	2020	117		PJM	5614008	\$ (0.19)	-
4	2020	117		PJM	5614008	\$ (8.71)	-
4	2020	117		PJM	5614008	\$ (39.18)	-
4	2020	117		PJM	5614008	\$ (0.02)	-
4	2020	117		PJM	5614008	\$ (0.01)	-
4	2020	117		PJM	5614008	\$ (508.58)	-
4	2020	117		PJM	5614008	\$ (0.63)	-
4	2020	117		PJM	5614008	\$ (18.43)	-
4	2020	117		PJM	5614008	\$ (1.03)	-
4	2020	117		PJM	5614008	\$ (18.64)	-
4	2020	180		PJM	5614008	\$ -	-
					5614008 Total	\$ (732.83)	-
4	2020	117		PJM	5618000	\$ -	-
4	2020	117		PJM	5618000	\$ (1,053.32)	-
4	2020	117		PJM	5618000	\$ (49.94)	-
					5618000 Total	\$ (1,103.26)	-
4	2020	117		PJM	5757000	\$ -	-
4	2020	117		PJM	5757000	\$ (3,142.13)	-
4	2020	117		PJM	5757000	\$ (1,198.98)	-
					5757000 Total	\$ (4,341.11)	-
					Grand Total	\$ 5,973,025.52	130,826,736.05

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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: Brian K. West

Kentucky Power Company
KPSC Case No. 2020-00245
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Dated August 19, 2020

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.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

**Kentucky Power Company
 Fuel Adjustment Case No. 2020-00245
 Generating Unit Outages
 November 1, 2019-April 30, 2020**

Unit Name	Event Type *	Event Start	Event End	Event Description
Big Sandy 1	PO	10/7/19 12:01 AM	11/16/19 7:00 AM	Planned Outage.
Big Sandy 1	MO	11/27/19 1:08 AM	12/1/19 7:00 AM	Boiler inspection and repair leak on 5 South HP Heater Head
Big Sandy 1	MO	12/22/19 2:47 AM	12/28/19 3:42 PM	Repair Leak on 5 South HP Heater Head.
Big Sandy 1	MO	1/6/20 9:00 AM	1/8/20 10:20 AM	Generator Hydrogen Meter Repair
Big Sandy 1	MO	2/1/20 1:53 AM	2/4/20 12:00 AM	Boiler inspection/repair
Big Sandy 1	MO	2/14/20 7:00 AM	2/19/20 4:00 PM	Repair Leaks on Circulating Water Piping
Big Sandy 1	FO	4/17/20 2:49 PM	4/18/20 7:00 AM	West Air Compressor Tripped - Loss of Control Air
Big Sandy 1	MO	4/24/20 2:15 AM	5/1/20 3:25 PM	Boiler inspection/repair, HP Heater Drain repairs, Compressor Controls checkout, BOP inspection/repair and Transmission work.
Mitchell 1	FO	11/7/19 4:58 PM	11/10/19 12:15 PM	burner failure
Mitchell 1	FO	11/11/19 1:21 AM	11/13/19 12:50 AM	Packing blown on boiler division valve #4.
Mitchell 1	FO	11/28/19 4:27 AM	12/2/19 2:00 PM	Economizer tube leak
Mitchell 1	MO	12/2/19 2:00 PM	12/9/19 12:00 AM	Inspection/repair 1-2 air heater by pass, inspection/repair external leaks located in the outlet ducts, repair leak in expansion joint 110, replace BFPT Rupture Diaphragm. Repair FMO 402 Second Reheat Attemperator Block Valve. Repair the # 1 & 2 air heater air motors,inspection/repair 200lb header check valve for possible leak.inspection/repair FMO-
Mitchell 1	MO	12/9/19 12:00 AM	12/22/19 6:00 AM	Precipitator inspection/repair
Mitchell 1	FO	12/22/19 7:46 PM	12/23/19 12:05 PM	Wastewater Backup into 600V Buss A" Breaker area"
Mitchell 1	MO	12/27/19 6:00 AM	12/27/19 8:00 PM	Flushing Water Lines to the Absorber Bleedpumps inspection/repair
Mitchell 1	MO	1/2/20 4:00 AM	1/7/20 11:00 PM	Phase 3 Main Transformer Oil Cooler, Absorber Agitator 1D seal replacement.
Mitchell 1	MO	1/7/20 11:00 PM	1/9/20 2:20 PM	Inspection/repair 12 ID Fan Hub, inspect Hub Oil Level, and other preventive maintenance to the fan. Control Board Replacement for the Voltage Regulator.
Mitchell 1	MO	1/12/20 7:00 AM	1/21/20 9:08 AM	Inspection/repair 200lb Header Check Valve on the common header, replace 2 Isolation Valves on River Water System and i/r #12 ID Fan Pressure Swings
Mitchell 1	MO	1/23/20 11:59 PM	1/27/20 1:53 AM	Inspection/repair Hydraulic System to the # 2 ID Fan.
Mitchell 1	FO	3/20/20 8:49 AM	3/26/20 7:00 AM	Loss of Air Heater
Mitchell 1	MO	3/26/20 7:00 AM	4/11/20 12:00 AM	PA duct inspection/repair, Main Steam Attemperator root HSO repack, T11 Bearing oil leak inspection/repair, Oxy air blower A" Check Valve replacement
Mitchell 1	FO	4/11/20 10:18 AM	4/21/20 3:42 AM	Main Condenser tube leak.
Mitchell 2	PO	10/7/19 12:01 AM	11/29/19 5:10 PM	Planned Outage.
Mitchell 2	MO	12/5/19 12:00 AM	12/7/19 7:15 PM	to replace discharge valve on oxydation air blower C".
Mitchell 2	MO	12/14/19 12:24 AM	12/14/19 3:08 PM	Main Turbine #1 Control Valve inspection/repair
Mitchell 2	FO	12/14/19 8:13 PM	12/15/19 9:50 PM	Conductivity issues
Mitchell 2	MO	12/31/19 4:00 AM	12/31/19 4:52 PM	Clarite Filter Outlet Valve replacement
Mitchell 2	MO	1/12/20 7:00 AM	1/16/20 3:14 PM	Inspection/repair 200lb Header Check Valve on the common header, replace 2 Isolation Valves on River Water System, replace Plant Air/Control Air Valve, and i/r #21 & #22 ID Fan Hub oil levels
Mitchell 2	MO	3/20/20 12:55 AM	3/26/20 12:00 AM	Inspection/repair Hydrogen Cooler leak on the inlet piping to #3 hydrogen cooler. Boiler inspection/repair, Waste Water Sump Discharge Header repairs, Waste Water Sump Ring Header repairs, Condenser leakinspection/repair. Precipitator Insp/repairs, Trona Bin Vent Filter i/r, Oxy Air Blower C PM, Boiler Safety Valve i/r, cooling tower ho
Mitchell 2	MO	3/26/20 12:00 AM	3/30/20 11:48 PM	FGD Service Water Strainer and Bypass Valve i/r, Sparger Vessel Safety Valve i/r, CO2 Tank Hand Shutoff packing repairs, Coal handling feed Throw Over Switch repairs, Waste Water Sump Discharge Header Isolation Valves i/r, ARV-542 Hand Shut-off Valve work
Mitchell 2	MO	4/25/20 12:00 AM	5/8/20 12:00 AM	Repair Clarite Filter Impulse Lines, i/r crack in Waste Water Sump Ring Header, i/r 21 Bottom Ash Line (Drain Valve and leak), i/r leaks in Slope Jets, replace EHC Pump Expansion Joints, i/r 22 Bus Duct Damper and Motor, 21 ID Fan Lube Oil Filter change out, NDE Circulating Water Pump shafts

Event Type *

FO Forced Outage

MO Maintenance Outage

PO Planned Outage

Note: i/r = inspection and repair

Note: Big Sandy schedules a short 2 to 3 day Boiler inspection/repair after each service period

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

DATA REQUEST

1_16 For the period under review, provide the monthly supporting peaking unit equivalent calculations in electronic Excel spreadsheet format with all cells visible and unprotected 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 2019: KPCO_R_KPSC_1_16_Attachment1

December 2019: KPCO_R_KPSC_1_16_Attachment2

January 2020: KPCO_R_KPSC_1_16_Attachment3

February 2020: KPCO_R_KPSC_1_16_Attachment4

March 2020: KPCO_R_KPSC_1_16_Attachment5

April 2020: KPCO_R_KPSC_1_16_Attachment6

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

Witness: Denzil L. Welsh

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company						
Fuel Adjustment Case No. 2020-00245						
Generating Unit Net Capacity Factor [%]						
November 1, 2019 - April 30, 2020						
	19-Nov	19-Dec	20-Jan	20-Feb	20-Mar	20-Apr
Big Sandy 1	20.24	47.01	41.27	0.06	0.00	17.82
Mitchell 1	52.33	0.00	11.36	47.79	30.48	15.34
Mitchell 2	0.00	13.28	29.88	55.07	33.68	0.00

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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: Amy E. Jeffries

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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 of 807 KAR 5:056 during the review period. Any known deviations from the regulation arising prior to the review period previously were reported to or addressed by the Commission.

Witness: Brian K. West

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

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 fuel contracts related to commodity and transportation have been filed with the Commission.

Witness: Brian K. West

Kentucky Power Company
KPSC Case No. 2020-00245
Commission Staff's First Set of Data Requests
Dated August 19, 2020

DATA REQUEST

- 1_22** Refer to 807 KAR 5:056 3(5), which states, "For any contracts entered into on or after December 1, 2019, the commission shall, in determining the reasonableness of fuel costs in procurement contracts and fuel procurement practices, evaluate the reasonableness of fuel costs in contracts and competing bids based on the cost of the fuel less any coal severance tax imposed by any jurisdiction.
- a. Provide a listing of any new coal contracts entered into on or since December 1, 2019.
 - b. For each bid solicitation or potential spot purchase that resulted in a new purchase contract on or after December 1, 2019, provide the bid evaluation sheets that include the coal severance tax rate per ton or MMBTU, as appropriate, being levied.

RESPONSE

- a. The Company executed one agreement (03-00-19-4M3) on or after December 1, 2019. The agreement is for coal to be delivered in 2022. The agreement is the result of a solicitation in August 2019.
- b. The agreement was reported in response to KPCO_R_KPSC_1_4 in Case No. 2020-00004. Attached is an updated bid evaluation sheet KPCO_R_KPSC_1_22_Attachment1. The bid for 2022 business was awarded and the terms of the agreement were agreed to prior to December 1, 2019 and subsequently signed later that month. The attached coal severance tax calculation is being shown for clarification. The bid for 2021 business was also awarded and the terms of that agreement were agreed to prior to December 1, 2019; however, that agreement has not yet been signed.

Witness: Amy E. Jeffries



Amy Jeffries Verification Case No 2020 00245.doc

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E-Signature 1: Amy E. Jeffries (AEJ)

August 31, 2020 10:05:08 -8:00 [5F103A2B01CB] [65.24.241.36]
 aejeffries@aep.com (Principal) (Personally Known)

E-Signature Notary: Brenda Williamson (BW)

August 31, 2020 10:05:08 -8:00 [050B71BC0CD1] [69.73.71.9]
 bgwilliamson@aep.com
 I, Brenda Williamson, did witness the participants named above electronically sign this document.





Clinton Stutler Verification Case No 2020 00245.doc

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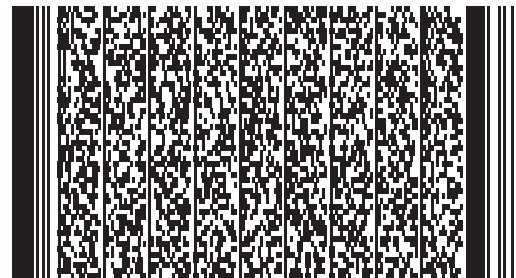
E-Signature Summary

E-Signature 1: Clinton M. Stutler (CMS)

August 31, 2020 12:36:04 -8:00 [B3BC15DB197A] [167.239.221.85]
cmstutler@aep.com (Principal) (Personally Known)

E-Signature Notary: Brenda Williamson (BW)

August 31, 2020 12:36:04 -8:00 [E2C570D2948C] [167.239.221.85]
bgwilliamson@aep.com
I, Brenda Williamson, did witness the participants named above electronically sign this document.





Welsh Verification Case No 2020 00245.doc

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E-Signature Summary

E-Signature 1: Denzil L. Welsh Jr. (DLW)

August 31, 2020 07:13:42 -8:00 [B8385722A0F2] [167.239.221.82]
dlwelsh@aep.com (Principal) (Personally Known)

E-Signature Notary: Sarah Smithhisler (SRS)

August 31, 2020 07:13:42 -8:00 [9A86BAE43548] [167.239.2.88]
srsmithhisler@aep.com

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





Mell Verification Case No 2020 00245.doc

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E-Signature Summary

E-Signature 1: David L Mell (DLM)

August 31, 2020 07:39:52 -8:00 [D4F9AA0ECE2F] [167.239.221.81]
dlmell@aep.com (Principal) (Personally Known)

E-Signature Notary: Sarah Smithhisler (SRS)

August 31, 2020 07:39:52 -8:00 [9DD64292C78D] [167.239.2.88]
srsmithhisler@aep.com

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





Doug Rosenberger Verification Case No 2020 00245.doc

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Pages: 1
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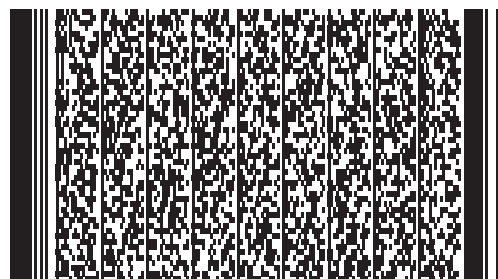
E-Signature 1: Douglas J Rosenberger (DJR)

September 01, 2020 06:07:22 -8:00 [E826634BF47C] [167.239.221.85]
djrosenberger@aep.com (Principal) (Personally Known)

E-Signature Notary: Brenda Williamson (BW)

September 01, 2020 06:07:22 -8:00 [06ED99F6E4BF] [167.239.221.81]
bgwilliamson@aep.com

I, Brenda Williamson, 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.


Signed on 2020/08/01 06:07:22 -8:00

Douglas J. Rosenberger

State of West Virginia)

County of Marshall)

) Case No. 2020-00245

Subscribed and sworn before me, a Notary Public, by Douglas J. Rosenberger this
09/01/2020 ____ day of August, 2020.


Signed on 2020/09/01 06:07:22 -8:00

My Commission Expires _____



401754B8-848A-48A6-B39A-C19DBC9F2CF3 --- 2020/08/31 10:15:37 -8:00 --- Remote Notary

