

KPSC Case No. 2018-00018
Commission Staff's First Set of Data Requests
Dated February 16, 2018

DATA REQUEST

1-001 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 refer to KPCO_R_KPSC_1_01_Attachment1.pdf 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.xls 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 the definition used by Commission Staff in KPSC 1-02 (defining spot purchase as less than one year) and the accompanying response by Kentucky Power.

Witness: Clinton M. Stutler

Counterparty	Type of Purchase	Total Tons**
Alpha Coal Sales Co., LLC	Spot	299,097
Consolidation Coal Company and McElroy Coal Company*	Contract	399,410
Ember Energy LLC	Spot	43,404
Golden Eagle Incorporated	Spot	1,513
SNR RiverOps LLC	Spot	24,400
Seminole Coal Resources, LLC	Spot	54,066
Southeastern Land, LLC	Spot	689

Grand Total	822,577
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*Formerly listed as Consolidation Coal Company - OVRI
 **Tonnage information is reported per Kentucky Power ownership share.
 Differences when compared to monthly filings are related to accounting adjustments outside of the review period.

Total Contract	49%
Total Spot	51%

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DATA REQUEST

- 1-002 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 refer to attachment KPCO_R_KPSC_1_02_Attachment1.pdf for the requested information presented in conformity with the provided definition of "long term" fuel contract used in this data request.

Witness: Clinton M. Stutler

This response is provided for the time period of May 1, 2017 through October 31, 2017 and lists all pertinent fuel contract information requested. Tonnage information is reported per Kentucky Power ownership share.

ALPHA COAL SALES CO., LLC

- a. 03-00-16-004
- b. Alpha Coal Sales Co., LLC
- c. Mammoth, Black Castle, Republic, and Empire mines in Kanawha, Boone, and Raleigh counties WV
- d. Barge
- e. 113,473
- f. 75,000
- g. \$50.00

ALPHA COAL SALES CO., LLC

- a. 03-00-16-002
- b. Alpha Coal Sales Co., LLC
- c. Black Castle, Slabcamp, Republic or various Boone and Kanawha County West Virginia mines
- d. Barge
- e. 142,615
- f. 125,000
- g. \$48.00

CONSOLIDATION COAL COMPANY and MCELROY COAL COMPANY

- a. 07-77-05-900
- b. Consolidation Coal Company and McElroy Coal Company
- c. McElroy Mine, Marshall, WV
- d. Conveyor
- e. 399,661
- f. 335,636
- g.* \$50.980

* This price includes 2016 shortfall carryover tonnage, received during the period under review.

SEMINOLE COAL RESOURCES, LLC

- a. 03-00-16-007
- b. Seminole Coal Resources, LLC
- c. Sycamore Surface Mine, Kanawha and Fayette Counties, WV
- d. Barge
- e. 54,095
- f. 60,000
- g. \$53.00

EMBER ENERGY, LLC

- a. 03-00-16-003
- b. Ember Energy, LLC
- c. Various Mines in Magoffin County Kentucky
- d. Barge
- e. 43,406
- f. 45,000
- g. \$49.74

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DATA REQUEST

- 1-003
- a. As of the last day of the review period, 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. (1) State whether any significant changes in the current coal inventory target are expected within the next 12 months.
(2) If so, state the expected change, and the reasons for this change.

RESPONSE

a. As of October 31, 2017 Kentucky Power's fifty percent share of coal inventory levels were as follows:

Mitchell High Sulfur: 178,716 tons, or 47 days of supply

Mitchell Low Sulfur: 67,594 tons, or 18 days of supply

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

For Mitchell High Sulfur: $\frac{178,716 \text{ tons in storage as of } 10/31/2017}{3,840} = 47$
days

3,840 (full load burn rate* – tons/day)

For Mitchell Low Sulfur: $\frac{67,594 \text{ tons in storage as of } 10/31/2017}{3,840} = 18$ days

3,840 (full load burn rate* – tons/day)

*Company's 50% share

c. As of October 31, 2017,

Mitchell High Sulfur: Target Inventory Days = 15 days, Actual Inventory Days = 47 days (32 days over target)

Mitchell Low Sulfur: Target Inventory Days = 30 days, Actual Inventory Days = 18 (12 days under target)

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d. High sulfur inventory remains above target due to contractual supply commitments. The Company currently has pending before the Commission in Case No. 2017-00446 an application seeking authority to sell up to 200,000 tons of its share of high sulfur Northern Appalachian coal scheduled for delivery in 2018 to the Mitchell generating station.

e. (1) No. Kentucky Power does not expect any significant changes in the coal inventory target for the Mitchell plant within the next 12 months.

e. (2) Not Applicable.

Witness: Clinton M. Stutler

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DATA REQUEST

1-004

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 time 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

a. and b. Please refer to KPCO_R_KPSC_1_04_ Attachment 1.pdf for information concerning the Company's two written coal-supply solicitations.

Please also refer to KPCO_R_KPSC_1_04_Confidential_Attachment2.pdf and KPCo_R_KPSC_1_04_Confidential_Attachment3.pdf for information relating to the offering vendors, analyses, and ranked proposals for the August 29, 2017 solicitation.

Additionally, refer to KPCO_R_KPSC_1_04_Confidential_Attachment4.pdf for information relating to the offering vendors, analyses, and ranked proposals for the June 15, 2017 solicitation.

Witness: Clinton M. Stutler

Date of Solicitation	June 15, 2017
Quantities Solicited	Up to 333,500 tons
Type of Solicitation	Spot
Coal Heat Content (BTU/lb)	12,500
Moisture (%)	10.00%
Ash (%)	9.00%
lbs. SO₂/mmBtu	6.00
Time Period Over Which Deliveries Were Requested	January 1, 2018 - December 31, 2020
Applicable Generating Units	Mitchell Plant
Number of Vendors Solicitation was Sent To	3
Number of Vendors that Responded to Solicitation	3
Selected Vendor(s)	none

Date of Solicitation	August 29, 2017
Quantities Solicited	Up to 290,000 tons (Q4 2017) Up to 1,375,000 tons (2018)
Type of Solicitation	Spot
Coal Heat Content (BTU/lb)	12,000
Moisture (%)	10.00%
Ash (%)	12.00%
lbs. SO₂/mmBtu	1.67
Time Period Over Which Deliveries Were Requested	October 1, 2017 - December 31, 2017 January 1, 2018 - December 31, 2018
Applicable Generating Units	Mitchell Plant
Number of Vendors Solicitation was Sent To	70
Number of Vendors that Responded to Solicitation	14
Selected Vendor(s)	Alpha Coal Sales (2018)

CY 2018 NYMEX Barge RFP Offers - Mitchell Plant / Attachment B

Offer / Plant / Year	Quantity		Coal Price	Transportation			Offered Quality				Actual Quality				Quality Adjusted Delivered Pricing		
	Tons	BTU	Coal Price	River	Mile Post	Rate	Btu	lbs. SO ₂	Sulfur %	Ash %	Btu	lbs. SO ₂	Sulfur %	Ash %	Quality Adj.	Quality Adjusted Delivered Cost	Delivered \$MMBTU
Alpha Coal Sales Co., LLC	1,375,000	33,327,250	\$52.50	Kanawha Rvr	69.0 - 84.4	\$7.120	12,000	1.60	0.96	12.00	12,119	1.40	0.85	12.00	\$3.114	\$62.734	\$2.5882

¹ The coal offered does not meet the required quality specifications

Mitchell Plant	
FGD Removal Efficiency	97.36%
SO ₂ Allowance Cost	\$2.50
Removal Cost \$/Ton	\$156.90

Highly Sensitive and Confidential

Q4 2017 NYMEX Barge RFP Offers - Mitchell Plant / Attachment B

Offer / Plant / Year	Quantity		Coal Price	Transportation			Offered Quality				Actual Quality				Quality Adjusted Delivered Pricing																																																																																
	Tons	BTU	Coal Price	River / Rail	MP / District	Rate	Btu	lbs. SO ₂	Sulfur %	Ash %	Btu	lbs. SO ₂	Sulfur %	Ash %	Quality Adj.	Quality Adjusted Delivered Cost	Delivered \$MMBTU																																																																														
Mitchell Plant 2017 (Q4)																																																																																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td colspan="18">Mitchell Plant</td> </tr> <tr> <td colspan="18">FGD Removal Efficiency</td> <td align="right" colspan="2">97.36%</td> </tr> <tr> <td colspan="18">SO₂ Allowance Cost</td> <td align="right" colspan="2">\$2.50</td> </tr> <tr> <td colspan="18">Removal Cost \$/Ton</td> <td align="right" colspan="2">\$156.90</td> </tr> </table>																		Mitchell Plant																		FGD Removal Efficiency																		97.36%		SO ₂ Allowance Cost																		\$2.50		Removal Cost \$/Ton																		\$156.90	
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DATA REQUEST

1-005

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: Clinton M. Stutler

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DATA REQUEST

1-006 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 refer to KPCO_R_KPSC_1_06_Attachment1.pdf for the requested information. The Company purchases natural gas only on the spot market. Kentucky Power enters into North American Energy Standards Board (NAESB) Master Agreements with each vendor for the purchase of natural gas. All NAESB Master Agreements and invoices evidencing individual transactions under the master agreement have been filed with the Commission.

Witness: Amy E. Jeffries
 Stephen L. Sharp

Counterparty	Type of Purchase	Gross MMBTUs
BIOURJA TRADING, LLC	Spot	90,000
EDF TRADING NORTH AMERICA	Spot	306,200
INTERSTATE GAS SUPPLY, INC.	Spot	557,300
MACQUARIE ENERGY, LLC	Spot	486,500
MIECO, INC	Spot	500
NEXTERA ENERGY MARKETING, LLC	Spot	760,750
NJR ENERGY SERVICES COMPANY	Spot	35,900
RANGE RESOURCES-APPALACHIA, LLC	Spot	11,393
RICE ENERGY MARKETING, LLC	Spot	5,000
SEQUENT ENERGY MANANGEMENT, L.P.	Spot	424,200
SPOTLIGHT ENERGY, LLC	Spot	142,500
TENASKA MARKETING VENTURES	Spot	295,700
TEXLA ENERGY MANAGEMENT, INC.	Spot	261,900
TWIN EAGLE RESOURCE MANAGEMENT, LLC.	Spot	1,600

Grand Total	3,379,443
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Total Contract	0%
Total Spot	100%

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DATA REQUEST

1-007 For the period under review, state if 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

Kentucky Power Company did not encounter any instances in which Big Sandy Unit 1, its sole natural gas unit, could not be operated, when it otherwise would have run, due to pipeline constraints or natural gas being unavailable, during the period under review

Witness: Amy E. Jeffries

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DATA REQUEST

1-008 State if 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 since the prior FAC review proceeding.

Witness: Clinton M. Stutler
 Amy E. Jeffries

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DATA REQUEST

- 1-009
- a. State whether Kentucky Power has audited any of its fuel or transportation contracts during the period under review.
 - b. If so, for each audited contract:
 - (1) Identify the contract;
 - (2) Identify the auditor and
 - (3) 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 fuel or transportation contracts during the period under review.

Witness: Clinton M. Stutler
 Amy E. Jeffries

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DATA REQUEST

- 1-010
- a. State whether Kentucky Power is currently involved in any litigation with its current or former fuel suppliers or transportation vendors.
 - b. If yes, 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.
 - c. State the current status of all litigation with suppliers or vendors.

RESPONSE

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

Witness: Clinton M. Stutler
 Amy E. Jeffries

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DATA REQUEST

- 1-011
- a. For the period under review, state if there have been any changes to Kentucky Power's written policies and procedures regarding its fuel procurement.
 - b. 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
 - c. If no, provide the date Kentucky Power's current fuel procurement policies and procedures were last changed, when they were last provided to the Commission, and identify the proceeding in which they were provided.

RESPONSE

There have been no changes during the review period to Kentucky Power's written policies and procedures regarding its fuel procurement. The current fuel procurement policy was last modified on August 31, 2015 and provided to the Commission in Case No. 2016-00230 on August 26, 2016.

Witness: Clinton M. Stutler
 Amy E. Jeffries

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DATA REQUEST

1-012 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 MW, and the purpose of the commitment (i.e., peaking, emergency).

RESPONSE

(a) Firm power purchases for Kentucky Power for the period from May 1, 2017 through October 31, 2017:

AEP Generating Company (Unit Power Agreement - Rockport Plant Base Load) - 393 MW

(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 peak load during the review period from May 1, 2017 to October 31, 2017. The cities use the power for load-following service to their citizens.

City of Olive Hill 10.8 MW

City of Vanceburg 4.7 MW

Witness: Stephen L. Sharp

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DATA REQUEST

1-013 Provide a monthly billing summary of sales to all electric utilities for the period under review.

RESPONSE

Please refer to KPCO_R_KPSC_1_13_Attachment1.rtf for the requested information.

Witness: Stephen L. Sharp

Tracking Code	Description
ADPR2	Advan Promotions, Inc.
AMCP2	Central Illinois Light Company dba AmerenCILCO, Central Illinois Public Service Company
AMRX2	Amerex Power, Ltd
APBE2	ICAP Energy LLC
BANG2	Village of Bangor, Wisconsin
BARR2	City of Barron, Wisconsin
BGCF2	BGC Financial LP
BLOO2	City of Bloomer, Wisconsin
CADO2	Village of Cadott, Wisconsin
CECA2	Commonwealth Edison Co Auctio2
CISO	California ISO
CORN2	City of Cornell, Wisconsin
CPX	California Power Exchange
DEOI2	Duke Energy Ohio, Inc.
DLPM	Duquesne Light Company
DPLG	The Dayton Power and Light Co.
DTET	DTE Energy Trading Inc.
EOXH2	EOH Holdings, LLC
EVOF2	Evolution Markets Futures, LLC
EVOL2	Evolution Markets Inc.
GFIS2	GFI Securities LLC
ICET2	ICE Trade Vault LLC
IDTE2	IDT Energy, Inc
IVGE2	IVG Energy, LTD
MEDF2	City of Medford
MISO	Midwest ISO
MSUI2	Mizuho Securities USA Inc.
NASIA	Systems Integration Agreement
OHPA2	Ohio Power Company (Auction)
PJM	PJM Interconnection
PJME2	PJM Environmental Info Sys Inc
PREE2	Tulleit Prebon Americas Corp.
RBCC2	RBC Capital Market, LLC
RICE2	City of Rice Lake Utilities
SPOO2	City of Spooner, Wisconsin
SPSR2	Marex Spectron
TFS2	TFS Energy
TFSF2	TFS Energy Futures, LLC
TIMB2	Timber Canyon
TOHI2	Town of Hagerstown Indiana
TREM2	Village of Trempealeau, Wisconsin
TVAM	TVA Bulk Power Trading
WAKE2	City of Wakefield, Michigan

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered		
5		2017	117		PJM	4470006	1,544.08		
5		2017	117		PBAS	4470006	-		
5		2017	117		PBAS	BARR2	4470006	-	
5		2017	117		PBAS	BLOO2	4470006	-	
5		2017	117		PBAS	CADO2	4470006	-	
5		2017	117		PBAS	CORN2	4470006	-	
5		2017	117		PBAS	MEDF2	4470006	-	
5		2017	117		PBAS	RICE2	4470006	-	
5		2017	117		PBAS	SPOO2	4470006	-	
5		2017	117		PBAS	TOHI2	4470006	-	
5		2017	117		PBAS	TREM2	4470006	-	
5		2017	117		PBAS	WAKE2	4470006	-	
5		2017	117		PHRT	RBCC2	4470006	(94.71)	
5		2017	117		PICT	CECA2	4470006	-	
5		2017	117		PICT	DEOI2	4470006	58,274.14	1,242,000
5		2017	117		PICT	DPLG	4470006	27,162.51	526,000
5		2017	117		PICT	MSUI2	4470006	(575.19)	-
5		2017	117		PICT	RBCC2	4470006	(848.00)	-
5		2017	117		PSHD	DLPM	4470006	237,992.29	4,893,000
5		2017	117		PSHD	MSUI2	4470006	(124.14)	-
5		2017	117		PSHD	RBCC2	4470006	(180.58)	-
					4470006 Total		323,150.40		
5		2017	117		MSUI2	4470010	(671.84)	-	
5		2017	117		PJM	4470010	5.03	-	
5		2017	117		PJM	4470010	(22,980.84)	(528,059)	
5		2017	117		PJM	4470010	(53,729.52)	(1,249,089)	
5		2017	117		PJM	4470010	(231,170.03)	(4,868,780)	
5		2017	117		PJM	4470010	2.82	-	
5		2017	117		PJM	4470010	(0.28)	-	
5		2017	117		PJM	4470010	(48.27)	-	
5		2017	117		PJM	4470010	(0.04)	-	
5		2017	117		PJM	4470010	(0.04)	-	
5		2017	117		PJM	4470010	(0.01)	-	
5		2017	117		PBAS	ADPR2	4470010	(2,059.33)	-
5		2017	117		PBAS	TIMB2	4470010	(2,059.33)	-
5		2017	117		PHRT	MSUI2	4470010	(47.66)	-
5		2017	117		PHRT	RBCC2	4470010	(85.85)	-
5		2017	117		PICT	MSUI2	4470010	(253.54)	-
5		2017	117		PICT	RBCC2	4470010	(917.19)	-
5		2017	117		PSHD	MSUI2	4470010	(42.52)	-
5		2017	117		PSHD	RBCC2	4470010	(135.72)	-
					4470010 Total		(314,194.16)		
5		2017	117		PHRT	MSUI2	4470082	(413.24)	-
5		2017	117		PHRT	RBCC2	4470082	2,627.38	-
5		2017	117		PICT	MSUI2	4470082	(12,078.03)	-
5		2017	117		PICT	RBCC2	4470082	5,208.34	-
5		2017	117		PSHD	MSUI2	4470082	5,905.90	-
5		2017	117		PSHD	RBCC2	4470082	(20,690.11)	-
					4470082 Total		(19,439.76)		
5		2017	117		PJM	4470089	472,287.54	-	
					4470089 Total		472,287.54		
5		2017	117		PJM	4470098	142.18	-	
5		2017	117		PJM	4470098	(4,684.63)	-	
					4470098 Total		(4,542.45)		
5		2017	117		PJM	4470099	242,377.53	-	
					4470099 Total		242,377.53		
5		2017	117		PJM	4470100	35,821.67	-	
					4470100 Total		35,821.67		
5		2017	117		PJM	4470103	2,413,062.58	91,849,600	
					4470103 Total		2,413,062.58		
5		2017	117		PJM	4470107	(0.31)	-	
					4470107 Total		(0.31)		
5		2017	117		PJM	4470110	0.01	-	
					4470110 Total		0.01		
5		2017	117		PHHS	DLPM	4470112	-	-
					4470112 Total		-		
5		2017	117		PJM	4470115	(231.08)	-	
					4470115 Total		(231.08)		
5		2017	117		PJM	4470126	354.41	-	
5		2017	117		PJM	4470126	4,879.01	-	
					4470126 Total		5,233.42		
5		2017	117		PJM	4470131	(0.51)	-	
5		2017	117		PJM	4470131	0.05	-	
5		2017	117		PJM	4470131	0.03	-	
					4470131 Total		(0.43)		
5		2017	117		PHHS	MSUI2	4470143	2,525.70	-
5		2017	117		PHHS	RBCC2	4470143	(4,290.59)	-
					4470143 Total		(1,764.89)		
5		2017	117		Physical	NASIA	4470175	(416,254.16)	-
5		2017	117		Trading	NASIA	4470175	5,916.79	-
					4470175 Total		(410,337.37)		
5		2017	117		Physical	NASIA	4470176	416,254.16	-
5		2017	117		Trading	NASIA	4470176	(5,916.79)	-

			4470176 Total	410,337.37	
5	2017 117	PJM	4470206	13,239.41	-
			4470206 Total	13,239.41	
5	2017 117	PJM	4470209	(2,034.17)	-
5	2017 117	PJM	4470209	(54,458.51)	-
			4470209 Total	(56,492.68)	
5	2017 117	PJM	4470214	-	-
5	2017 117	PJM	4470214	3.87	-
			4470214 Total	3.87	
5	2017 117	PJM	4470215	605.93	-
			4470215 Total	605.93	
5	2017 117	PJM	4470220	-	-
5	2017 117	PJM	4470220	6,504.43	-
			4470220 Total	6,504.43	
5	2017 117	PJM	4470221	-	-
5	2017 117	PJM	4470221	(291.30)	-
			4470221 Total	(291.30)	
5	2017 117	PJM	4470222	-	-
			4470222 Total	-	
5	2017 117	PJM	5550039	(1,358.90)	-
			5550039 Total	(1,358.90)	
5	2017 110	PJME2	5570007	(22.23)	(5,558)
			5570007 Total	(22.23)	
5	2017 117	PJM	5614000	-	-
5	2017 117	PJM	5614000	(0.05)	-
5	2017 117	PJM	5614000	(12,791.92)	-
			5614000 Total	(12,791.97)	
5	2017 180	PJM	5614008	-	-
			5614008 Total	-	
5	2017 117	PJM	5618000	-	-
5	2017 117	PJM	5618000	1.23	-
5	2017 117	PJM	5618000	(4,298.40)	-
5	2017 117	PJM	5618000	(3.51)	-
			5618000 Total	(4,300.68)	
5	2017 117	PJM	5757000	-	-
5	2017 117	PJM	5757000	(10.20)	-
5	2017 117	PJM	5757000	(12,507.25)	-
5	2017 117	PJM	5757000	(172.08)	-
			5757000 Total	(12,689.53)	
			Grand Total	3,084,166.42	

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered	Page
6	2017	117		OHPA2	4470001	94,122.86	1,864,927	
					4470001 Total	94,122.86		
6	2017	117		PJM	4470006	(1,195.09)	-	
6	2017	117	NEQT	DEOI2	4470006	167,671.65	3,158,000	
6	2017	117	PHRT	MSUI2	4470006	(3.92)	-	
6	2017	117	PHRT	RBCC2	4470006	(31.38)	-	
6	2017	117	PICT	DEOI2	4470006	60,254.78	1,353,000	
6	2017	117	PICT	DPLG	4470006	58,011.38	1,129,000	
6	2017	117	PICT	MSUI2	4470006	(372.43)	-	
6	2017	117	PICT	RBCC2	4470006	(1,033.17)	-	
6	2017	117	PSHD	DLPM	4470006	213,865.40	4,047,000	
6	2017	117	PSHD	MSUI2	4470006	(31.38)	-	
6	2017	117	PSHD	RBCC2	4470006	(152.09)	-	
					4470006 Total	496,983.75		
6	2017	117		MISO	4470010	23,843.95	-	
6	2017	117		MSUI2	4470010	(569.40)	-	
6	2017	117		PJM	4470010	(1.46)	-	
6	2017	117		PJM	4470010	(49,137.30)	(1,133,189)	
6	2017	117		PJM	4470010	(194,392.98)	(4,529,620)	
6	2017	117		PJM	4470010	(167,729.73)	(3,634,092)	
6	2017	117		PJM	4470010	(17,570.06)	(412,208)	
6	2017	117		PJM	4470010	(1.39)	-	
6	2017	117		PJM	4470010	(48.04)	-	
6	2017	117	PHRT	MSUI2	4470010	(58.94)	-	
6	2017	117	PHRT	RBCC2	4470010	(37.66)	-	
6	2017	117	PICT	MSUI2	4470010	(290.95)	-	
6	2017	117	PICT	RBCC2	4470010	(1,041.18)	-	
6	2017	117	PMWE	CPX	4470010	(324.52)	-	
6	2017	117	PMWE	MSUI2	4470010	(23.51)	-	
6	2017	117	PSHD	MSUI2	4470010	(32.17)	-	
6	2017	117	PSHD	RBCC2	4470010	(165.50)	-	
					4470010 Total	(407,580.84)		
6	2017	117	KBRA	RBCC2	4470081	(808.23)	-	
6	2017	117	KSHD	RBCC2	4470081	(1,358.28)	-	
					4470081 Total	(2,166.51)		
6	2017	117	PHRT	MSUI2	4470082	(6,320.57)	-	
6	2017	117	PHRT	RBCC2	4470082	4,874.83	-	
6	2017	117	PICT	MSUI2	4470082	(14,322.52)	-	
6	2017	117	PICT	RBCC2	4470082	(34,875.01)	-	
6	2017	117	PSHD	MSUI2	4470082	(10,857.83)	-	
6	2017	117	PSHD	RBCC2	4470082	6,157.16	-	
					4470082 Total	(55,343.94)		
6	2017	117		PJM	4470089	824,025.31	-	
					4470089 Total	824,025.31		
6	2017	117		PJM	4470098	1,030.62	-	
6	2017	117		PJM	4470098	(11,484.94)	-	
					4470098 Total	(10,454.32)		
6	2017	117		PJM	4470099	139,707.39	-	
					4470099 Total	139,707.39		
6	2017	117		PJM	4470100	64,405.75	-	
					4470100 Total	64,405.75		
6	2017	117		PJM	4470103	3,752,442.99	142,965,823	
					4470103 Total	3,752,442.99		
6	2017	117		PJM	4470107	(0.27)	-	
					4470107 Total	(0.27)		
6	2017	117		PJM	4470110	(0.02)	-	
					4470110 Total	(0.02)		
6	2017	117	PHHS	DPLG	4470112	30,430.72	591,000	
					4470112 Total	30,430.72		
6	2017	117		PJM	4470115	(7,697.53)	-	
					4470115 Total	(7,697.53)		
6	2017	117		PJM	4470126	(10,168.27)	-	
6	2017	117		PJM	4470126	(106,415.10)	-	
					4470126 Total	(116,583.37)		
6	2017	117		PJM	4470131	34.10	-	
6	2017	117		PJM	4470131	(0.29)	-	
6	2017	117		PJM	4470131	(26,614.19)	(594,883)	
6	2017	117		PJM	4470131	(0.01)	-	
6	2017	117		PJM	4470131	(0.04)	-	
6	2017	117		PJM	4470131	(80,600.85)	(1,864,927)	
					4470131 Total	(107,181.28)		
6	2017	117	PHHS	MSUI2	4470143	12,000.31	-	
6	2017	117	PHHS	RBCC2	4470143	143,854.08	-	
					4470143 Total	155,854.39		
6	2017	117	Physical	NASIA	4470175	(519,134.34)	-	
6	2017	117	Trading	NASIA	4470175	(4,139.12)	-	
					4470175 Total	(523,273.46)		
6	2017	117	Physical	NASIA	4470176	519,134.34	-	
6	2017	117	Trading	NASIA	4470176	4,139.12	-	

				4470176 Total	523,273.46	
6	2017 117	PJM	4470206	4470206	24,037.10	-
				4470206 Total	24,037.10	-
6	2017 117	PJM	4470209	4470209	(30,508.17)	-
6	2017 117	PJM	4470209	4470209	(100,511.68)	-
				4470209 Total	(131,019.85)	-
6	2017 117	PJM	4470214	4470214	1.93	-
6	2017 117	PJM	4470214	4470214	10.85	-
				4470214 Total	12.78	-
6	2017 117	PJM	4470215	4470215	(4.24)	-
				4470215 Total	(4.24)	-
6	2017 117	PJM	4470220	4470220	-	-
6	2017 117	PJM	4470220	4470220	1,735.41	-
				4470220 Total	1,735.41	-
6	2017 117	PJM	4470221	4470221	-	-
6	2017 117	PJM	4470221	4470221	1.31	-
				4470221 Total	1.31	-
6	2017 117	PJM	4470222	4470222	(0.15)	-
				4470222 Total	(0.15)	-
6	2017 117	PJM	5550039	5550039	(1,060.89)	-
				5550039 Total	(1,060.89)	-
6	2017 110	PJME2	5570007	5570007	(17.06)	(4,265)
				5570007 Total	(17.06)	-
6	2017 117	PJM	5614000	5614000	-	-
6	2017 117	PJM	5614000	5614000	(28.54)	-
6	2017 117	PJM	5614000	5614000	(18,759.65)	-
				5614000 Total	(18,788.19)	-
6	2017 180	PJM	5614008	5614008	-	-
				5614008 Total	-	-
6	2017 117	PJM	5618000	5618000	-	-
6	2017 117	PJM	5618000	5618000	(6.82)	-
6	2017 117	PJM	5618000	5618000	(5,922.96)	-
6	2017 117	PJM	5618000	5618000	(3.43)	-
				5618000 Total	(5,933.21)	-
6	2017 117	PJM	5757000	5757000	-	-
6	2017 117	PJM	5757000	5757000	(588.16)	-
6	2017 117	PJM	5757000	5757000	(18,219.13)	-
6	2017 117	PJM	5757000	5757000	(168.22)	-
				5757000 Total	(18,975.51)	-
				Grand Total	4,700,952.58	

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered	Page
	7	2017 117		OHPA2	4470001	173,906.70	3,445,744	
					4470001 Total	173,906.70		
	7	2017 117		NASIA	4470006	-	-	
	7	2017 117		PJM	4470006	(86,918.35)	(2,334,066)	
	7	2017 117	NEQT	DEOI2	4470006	187,359.10	3,528,000	
	7	2017 117	PHRT		4470006	(18.04)	-	
	7	2017 117	PHRT	APBE2	4470006	(3.37)	-	
	7	2017 117	PHRT	MSUI2	4470006	-	-	
	7	2017 117	PHRT	PREE2	4470006	(18.04)	-	
	7	2017 117	PHRT	RBCC2	4470006	-	-	
	7	2017 117	PICT		4470006	(256.94)	-	
	7	2017 117	PICT	AMRX2	4470006	(32.88)	-	
	7	2017 117	PICT	APBE2	4470006	(153.07)	-	
	7	2017 117	PICT	BGCF2	4470006	(21.96)	-	
	7	2017 117	PICT	CECA2	4470006	98,124.92	2,353,680	
	7	2017 117	PICT	DEOI2	4470006	77,224.99	1,513,000	
	7	2017 117	PICT	DPLG	4470006	68,021.38	1,323,000	
	7	2017 117	PICT	EVOF2	4470006	(12.95)	-	
	7	2017 117	PICT	MSUI2	4470006	-	-	
	7	2017 117	PICT	PREE2	4470006	(141.02)	-	
	7	2017 117	PICT	RBCC2	4470006	-	-	
	7	2017 117	PSHD		4470006	(54.13)	-	
	7	2017 117	PSHD	AMRX2	4470006	(37.36)	-	
	7	2017 117	PSHD	APBE2	4470006	(65.51)	-	
	7	2017 117	PSHD	DLPM	4470006	267,637.85	5,150,000	
	7	2017 117	PSHD	EVOF2	4470006	(99.64)	-	
	7	2017 117	PSHD	MSUI2	4470006	-	-	
	7	2017 117	PSHD	PREE2	4470006	(67.86)	-	
	7	2017 117	PSHD	RBCC2	4470006	-	-	
					4470006 Total	610,467.12		
	7	2017 117		ICET2	4470010	(624.96)	-	
	7	2017 117		MSUI2	4470010	-	-	
	7	2017 117		PJM	4470010	2.11	-	
	7	2017 117		PJM	4470010	(61,300.38)	(1,316,187)	
	7	2017 117		PJM	4470010	(237,045.91)	(5,004,191)	
	7	2017 117		PJM	4470010	(217,378.79)	(4,646,884)	
	7	2017 117		PJM	4470010	(21,809.76)	(487,969)	
	7	2017 117		PJM	4470010	(32.63)	-	
	7	2017 117	PHHS	MSUI2	4470010	(19.19)	-	
	7	2017 117	PHRD	TVAM	4470010	(509.96)	(19,614)	
	7	2017 117	PHRT		4470010	(18.04)	-	
	7	2017 117	PHRT	APBE2	4470010	(3.37)	-	
	7	2017 117	PHRT	MSUI2	4470010	(39.13)	-	
	7	2017 117	PHRT	RBCC2	4470010	-	-	
	7	2017 117	PICT		4470010	(156.91)	-	
	7	2017 117	PICT	AMRX2	4470010	(131.28)	-	
	7	2017 117	PICT	APBE2	4470010	(79.38)	-	
	7	2017 117	PICT	BGCF2	4470010	(28.64)	-	
	7	2017 117	PICT	EVOF2	4470010	(8.73)	-	
	7	2017 117	PICT	MSUI2	4470010	-	-	
	7	2017 117	PICT	PREE2	4470010	(175.43)	-	
	7	2017 117	PICT	RBCC2	4470010	-	-	
	7	2017 117	PICT	TFSF2	4470010	(35.87)	-	
	7	2017 117	PMWE	MSUI2	4470010	-	-	
	7	2017 117	PSHD		4470010	(33.74)	-	
	7	2017 117	PSHD	AMRX2	4470010	(38.15)	-	
	7	2017 117	PSHD	APBE2	4470010	(87.87)	-	
	7	2017 117	PSHD	BGCF2	4470010	(17.26)	-	
	7	2017 117	PSHD	EVOF2	4470010	(95.01)	-	
	7	2017 117	PSHD	MSUI2	4470010	(18.39)	-	
	7	2017 117	PSHD	PREE2	4470010	(136.51)	-	
	7	2017 117	PSHD	RBCC2	4470010	-	-	
	7	2017 117	PSHD	SPSR2	4470010	(3.92)	-	
					4470010 Total	(539,827.10)		
	7	2017 117	KBRA	RBCC2	4470081	(159.83)	-	
	7	2017 117	KSHD	RBCC2	4470081	(3,016.79)	-	
					4470081 Total	(3,176.62)		
	7	2017 117	PEQT	RBCC2	4470082	(3,423.43)	-	
	7	2017 117	PHRT	MSUI2	4470082	(55.68)	-	
	7	2017 117	PHRT	RBCC2	4470082	7,565.49	-	
	7	2017 117	PICT	MSUI2	4470082	101.00	-	
	7	2017 117	PICT	RBCC2	4470082	20,461.90	-	
	7	2017 117	PSHD	MSUI2	4470082	9,132.25	-	
	7	2017 117	PSHD	RBCC2	4470082	(22,260.75)	-	
					4470082 Total	11,520.78		
	7	2017 117		NASIA	4470089	-	-	
	7	2017 117		PJM	4470089	2,416,562.73	-	
					4470089 Total	2,416,562.73		
	7	2017 117		NASIA	4470098	-	-	
	7	2017 117		PJM	4470098	144.97	-	
	7	2017 117		PJM	4470098	(12,924.14)	-	
					4470098 Total	(12,779.17)		

7	2017 117		NASIA	4470099	-	-
7	2017 117		PJM	4470099	21,091.05	-
7	2017 117		PJM	4470099	123,273.25	-
				4470099 Total	144,364.30	-
7	2017 117		NASIA	4470100	-	-
7	2017 117		PJM	4470100	(5,181.53)	-
				4470100 Total	(5,181.53)	-
7	2017 117		NASIA	4470103	-	-
7	2017 117		PJM	4470103	5,920,667.22	233,660,150
				4470103 Total	5,920,667.22	-
7	2017 117		PJM	4470107	30.28	-
				4470107 Total	30.28	-
7	2017 117		NASIA	4470112	-	-
7	2017 117	PHHS	DPLG	4470112	56,215.95	1,093,000
				4470112 Total	56,215.95	-
7	2017 117		NASIA	4470115	-	-
7	2017 117		PJM	4470115	5,085.20	-
				4470115 Total	5,085.20	-
7	2017 117		PJM	4470126	(9,318.57)	-
7	2017 117		PJM	4470126	(110,084.16)	-
				4470126 Total	(119,402.73)	-
7	2017 117		PJM	4470131	26.18	-
7	2017 117		PJM	4470131	(49,661.47)	(1,088,923)
7	2017 117		PJM	4470131	(158,068.87)	(3,445,753)
				4470131 Total	(207,704.16)	-
7	2017 117	HSHS	RBCC2	4470143	2,152.14	-
7	2017 117	PHHS	AMRX2	4470143	(6.53)	-
7	2017 117	PHHS	APBE2	4470143	(28.09)	-
7	2017 117	PHHS	MSUI2	4470143	44,949.63	-
7	2017 117	PHHS	PREE2	4470143	(30.05)	-
7	2017 117	PHHS	RBCC2	4470143	111,947.27	-
				4470143 Total	158,984.37	-
7	2017 117	Physical	NASIA	4470175	360,765.81	-
7	2017 117	Trading	NASIA	4470175	24,755.54	-
				4470175 Total	385,521.35	-
7	2017 117	Physical	NASIA	4470176	(360,765.81)	-
7	2017 117	Trading	NASIA	4470176	(24,755.54)	-
				4470176 Total	(385,521.35)	-
7	2017 117		PJM	4470206	54,362.69	-
				4470206 Total	54,362.69	-
7	2017 117		PJM	4470209	(115,597.38)	-
7	2017 117		PJM	4470209	(235,795.13)	-
				4470209 Total	(351,392.51)	-
7	2017 117		PJM	4470214	-	-
7	2017 117		PJM	4470214	1.72	-
				4470214 Total	1.72	-
7	2017 117		PJM	4470215	(0.57)	-
				4470215 Total	(0.57)	-
7	2017 117		PJM	4470220	-	-
7	2017 117		PJM	4470220	20,673.19	-
				4470220 Total	20,673.19	-
7	2017 117		PJM	4470221	-	-
7	2017 117		PJM	4470221	248.20	-
				4470221 Total	248.20	-
7	2017 117		PJM	4470222	-	-
				4470222 Total	-	-
7	2017 117		PJM	5550039	(3,216.04)	-
				5550039 Total	(3,216.04)	-
7	2017 110		IDTE2	5570007	(8,090.78)	(1,471)
7	2017 110		PJME2	5570007	(18.89)	(4,722)
				5570007 Total	(8,109.67)	-
7	2017 117		PJM	5614000	-	-
7	2017 117		PJM	5614000	(54.27)	-
7	2017 117		PJM	5614000	(29,357.18)	-
				5614000 Total	(29,411.45)	-
7	2017 180		PJM	5614008	-	-
				5614008 Total	-	-
7	2017 117		PJM	5618000	-	-
7	2017 117		PJM	5618000	(15.43)	-
7	2017 117		PJM	5618000	(8,840.35)	-
7	2017 117		PJM	5618000	(7.54)	-
				5618000 Total	(8,863.32)	-
7	2017 117		PJM	5757000	-	-
7	2017 117		PJM	5757000	(1,368.45)	-
7	2017 117		PJM	5757000	(28,751.23)	-
7	2017 117		PJM	5757000	(369.64)	-
				5757000 Total	(30,489.32)	-
				Grand Total	8,253,536.26	

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered	Page
8	2017	117		OHPA2	4470001	147,241.09	2,917,398	
					4470001 Total	147,241.09		
8	2017	117		PJM	4470006	(85,129.37)	(2,706,732)	
8	2017	117	NEQT	DEOI2	4470006	161,125.64	3,035,000	
8	2017	117	PHRT		4470006	18.04	-	
8	2017	117	PHRT	APBE2	4470006	-	-	
8	2017	117	PHRT	IVGE2	4470006	(18.04)	-	
8	2017	117	PHRT	PREE2	4470006	-	-	
8	2017	117	PICT		4470006	256.94	-	
8	2017	117	PICT	AMRX2	4470006	(134.72)	-	
8	2017	117	PICT	APBE2	4470006	(1,030.73)	-	
8	2017	117	PICT	BGCF2	4470006	(65.73)	-	
8	2017	117	PICT	CECA2	4470006	112,843.66	2,706,732	
8	2017	117	PICT	DEOI2	4470006	68,611.29	1,349,000	
8	2017	117	PICT	DPLG	4470006	60,990.93	1,186,000	
8	2017	117	PICT	EOXH2	4470006	(32.17)	-	
8	2017	117	PICT	EVOF2	4470006	(9.49)	-	
8	2017	117	PICT	IVGE2	4470006	(459.45)	-	
8	2017	117	PICT	PREE2	4470006	(180.30)	-	
8	2017	117	PICT	TFSF2	4470006	(16.48)	-	
8	2017	117	PSHD		4470006	54.13	-	
8	2017	117	PSHD	AMRX2	4470006	(120.53)	-	
8	2017	117	PSHD	APBE2	4470006	(200.97)	-	
8	2017	117	PSHD	BGCF2	4470006	(32.95)	-	
8	2017	117	PSHD	DLPM	4470006	227,884.80	4,349,000	
8	2017	117	PSHD	EOXH2	4470006	(7.85)	-	
8	2017	117	PSHD	EVOF2	4470006	-	-	
8	2017	117	PSHD	IVGE2	4470006	(287.19)	-	
8	2017	117	PSHD	PREE2	4470006	(76.91)	-	
8	2017	117	PSHD	SPSR2	4470006	(14.32)	-	
8	2017	117	PSHD	TFSF2	4470006	(32.17)	-	
					4470006 Total	543,936.06		
8	2017	117		ICET2	4470010	(697.89)	-	
8	2017	117		PJM	4470010	(373.67)	-	
8	2017	117		PJM	4470010	(52,018.35)	(1,192,183)	
8	2017	117		PJM	4470010	(184,577.66)	(4,401,157)	
8	2017	117		PJM	4470010	(182,643.72)	(3,915,936)	
8	2017	117		PJM	4470010	(18,926.99)	(433,178)	
8	2017	117		PJM	4470010	(14.38)	-	
8	2017	117		PJM	4470010	(35.37)	-	
8	2017	117	PHRD	TVAM	4470010	-	-	
8	2017	117	PHRT		4470010	18.04	-	
8	2017	117	PHRT	APBE2	4470010	(3.14)	-	
8	2017	117	PHRT	ICET2	4470010	(37.95)	-	
8	2017	117	PHRT	IVGE2	4470010	(18.04)	-	
8	2017	117	PHRT	SPSR2	4470010	(1.57)	-	
8	2017	117	PICT		4470010	149.06	-	
8	2017	117	PICT	AMCP2	4470010	(386.00)	-	
8	2017	117	PICT	AMRX2	4470010	(215.62)	-	
8	2017	117	PICT	APBE2	4470010	(999.05)	-	
8	2017	117	PICT	BGCF2	4470010	(114.86)	-	
8	2017	117	PICT	EOXH2	4470010	(32.17)	-	
8	2017	117	PICT	EVOF2	4470010	(24.32)	-	
8	2017	117	PICT	IVGE2	4470010	(307.64)	-	
8	2017	117	PICT	PREE2	4470010	(80.42)	-	
8	2017	117	PICT	TFSF2	4470010	(25.89)	-	
8	2017	117	PSHD		4470010	33.74	-	
8	2017	117	PSHD	AMRX2	4470010	(85.71)	-	
8	2017	117	PSHD	APBE2	4470010	(179.45)	-	
8	2017	117	PSHD	BGCF2	4470010	-	-	
8	2017	117	PSHD	EOXH2	4470010	(7.85)	-	
8	2017	117	PSHD	EVOF2	4470010	(36.87)	-	
8	2017	117	PSHD	ICET2	4470010	(18.39)	-	
8	2017	117	PSHD	IVGE2	4470010	(285.63)	-	
8	2017	117	PSHD	PREE2	4470010	(15.69)	-	
8	2017	117	PSHD	SPSR2	4470010	(12.36)	-	
					4470010 Total	(441,975.81)		
8	2017	117	KBRA	RBCC2	4470081	(116.35)	-	
8	2017	117	KSHD	RBCC2	4470081	(2,380.73)	-	
					4470081 Total	(2,497.08)		
8	2017	117	PEQT	RBCC2	4470082	(5,330.53)	-	
8	2017	117	PHRT	MSUI2	4470082	(1,741.58)	-	
8	2017	117	PHRT	RBCC2	4470082	(4,104.83)	-	
8	2017	117	PICT	MSUI2	4470082	23,778.25	-	

8	2017 117	PICT	RBCC2	4470082	(38,924.36)	
8	2017 117	PSHD	MSUI2	4470082	(26,446.41)	
8	2017 117	PSHD	RBCC2	4470082	(24,485.94)	
				4470082 Total	(77,255.40)	
8	2017 117		PJM	4470089	1,256,082.13	
				4470089 Total	1,256,082.13	
8	2017 117		PJM	4470098	(53.69)	
8	2017 117		PJM	4470098	(10,720.56)	
				4470098 Total	(10,774.25)	
8	2017 117		PJM	4470099	81,717.24	
8	2017 117		PJM	4470099	62,647.06	
				4470099 Total	144,364.30	
8	2017 117		PJM	4470100	7,477.12	
				4470100 Total	7,477.12	
8	2017 117		PJM	4470103	4,525,303.45	176,159,331
				4470103 Total	4,525,303.45	
8	2017 117		PJM	4470107	(0.32)	
				4470107 Total	(0.32)	
8	2017 117		PJM	4470110	(30.82)	
				4470110 Total	(30.82)	
8	2017 117	PHHS	DPLG	4470112	46,413.22	901,000
				4470112 Total	46,413.22	
8	2017 117		PJM	4470115	(14,125.35)	
				4470115 Total	(14,125.35)	
8	2017 117		PJM	4470126	(3,870.76)	
8	2017 117		PJM	4470126	47,885.79	
				4470126 Total	44,015.03	
8	2017 117		PJM	4470131	194.54	
8	2017 117		PJM	4470131	(9.39)	
8	2017 117		PJM	4470131	(39,786.58)	(907,572)
8	2017 117		PJM	4470131	(128,629.86)	(2,894,790)
				4470131 Total	(168,231.29)	
8	2017 117	PHHS	AMRX2	4470143	-	
8	2017 117	PHHS	APBE2	4470143	(480.44)	
8	2017 117	PHHS	BGCF2	4470143	(49.27)	
8	2017 117	PHHS	ICET2	4470143	(30.62)	
8	2017 117	PHHS	MSUI2	4470143	45,943.84	
8	2017 117	PHHS	PREE2	4470143	(126.46)	
8	2017 117	PHHS	RBCC2	4470143	473,516.55	
				4470143 Total	518,773.60	
8	2017 117	Physical	NASIA	4470175	(68,994.87)	
8	2017 117	Trading	NASIA	4470175	6,628.28	
				4470175 Total	(62,366.59)	
8	2017 117	Physical	NASIA	4470176	68,994.87	
8	2017 117	Trading	NASIA	4470176	(6,628.28)	
				4470176 Total	62,366.59	
8	2017 117		PJM	4470206	34,850.01	
				4470206 Total	34,850.01	
8	2017 117		PJM	4470209	(58,461.25)	
8	2017 117		PJM	4470209	(159,445.94)	
				4470209 Total	(217,907.19)	
8	2017 117		PJM	4470214	-	
8	2017 117		PJM	4470214	13.74	
				4470214 Total	13.74	
8	2017 117		PJM	4470215	(11.43)	
				4470215 Total	(11.43)	
8	2017 117		PJM	4470220	-	
8	2017 117		PJM	4470220	7,479.60	
				4470220 Total	7,479.60	
8	2017 117		PJM	4470221	-	
8	2017 117		PJM	4470221	-	
				4470221 Total	-	
8	2017 117		PJM	4470222	-	
				4470222 Total	-	
8	2017 117		PJM	5550039	(1,814.63)	
				5550039 Total	(1,814.63)	
8	2017 110		PJME2	5570007	(16.09)	(4,021)
				5570007 Total	(16.09)	
8	2017 117		PJM	5614000	-	
8	2017 117		PJM	5614000	(20.88)	
8	2017 117		PJM	5614000	(25,179.32)	
				5614000 Total	(25,200.20)	
8	2017 180		PJM	5614008	-	
				5614008 Total	-	
8	2017 117		PJM	5618000	-	

8	2017 117	PJM	5618000	(8.44)	
8	2017 117	PJM	5618000	(7,547.91)	-
8	2017 117	PJM	5618000	(11.15)	-
			5618000 Total	(7,567.50)	
8	2017 117	PJM	5757000	-	-
8	2017 117	PJM	5757000	(788.89)	-
8	2017 117	PJM	5757000	(24,386.70)	-
8	2017 117	PJM	5757000	(267.47)	-
			5757000 Total	(25,443.06)	
			Grand Total	6,283,098.93	

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Meter
9	2017	117		OHPA2	4470001	204,513.22	4,052,174
					4470001 Total	204,513.22	
9	2017	117		PJM	4470006	(81,769.15)	(2,353,680)
9	2017	117	NEQT	DEOI2	4470006	145,581.47	2,741,000
9	2017	117	PHRT	APBE2	4470006	(0.78)	-
9	2017	117	PHRT	BGCF2	4470006	(2.35)	-
9	2017	117	PHRT	IVGE2	4470006	(34.52)	-
9	2017	117	PICT	AMRX2	4470006	(180.86)	-
9	2017	117	PICT	APBE2	4470006	(390.37)	-
9	2017	117	PICT	BGCF2	4470006	(59.82)	-
9	2017	117	PICT	CECA2	4470006	81,602.09	2,353,680
9	2017	117	PICT	DEOI2	4470006	61,992.18	1,219,000
9	2017	117	PICT	DPLG	4470006	53,621.06	1,043,000
9	2017	117	PICT	EOXH2	4470006	-	-
9	2017	117	PICT	EVOF2	4470006	(43.94)	-
9	2017	117	PICT	IVGE2	4470006	(83.95)	-
9	2017	117	PICT	PREE2	4470006	(518.20)	-
9	2017	117	PICT	TFSF2	4470006	(39.23)	-
9	2017	117	PSHD	AMRX2	4470006	(261.01)	-
9	2017	117	PSHD	APBE2	4470006	(307.65)	-
9	2017	117	PSHD	BGCF2	4470006	-	-
9	2017	117	PSHD	DLPM	4470006	191,682.06	3,658,000
9	2017	117	PSHD	EOXH2	4470006	-	-
9	2017	117	PSHD	EVOF2	4470006	(30.30)	-
9	2017	117	PSHD	IVGE2	4470006	(83.16)	-
9	2017	117	PSHD	PREE2	4470006	(51.00)	-
9	2017	117	PSHD	SPSR2	4470006	(16.87)	-
9	2017	117	PSHD	TFSF2	4470006	(36.56)	-
					4470006 Total	450,569.14	
9	2017	117		ICET2	4470010	(593.46)	-
9	2017	117		PJM	4470010	(3,018.03)	-
9	2017	117		PJM	4470010	(1.72)	-
9	2017	117		PJM	4470010	(55,050.81)	(999,630)
9	2017	117		PJM	4470010	(218,538.20)	(3,776,384)
9	2017	117		PJM	4470010	(180,640.21)	(3,199,889)
9	2017	117		PJM	4470010	(18,079.90)	(350,139)
9	2017	117		PJM	4470010	(2.78)	-
9	2017	117		PJM	4470010	(14.28)	-
9	2017	117	PHRT	APBE2	4470010	(0.78)	-
9	2017	117	PHRT	ICET2	4470010	(71.79)	-
9	2017	117	PHRT	IVGE2	4470010	(34.52)	-
9	2017	117	PHRT	SPSR2	4470010	-	-
9	2017	117	PICT		4470010	7.85	-
9	2017	117	PICT	AMCP2	4470010	-	-
9	2017	117	PICT	AMRX2	4470010	(269.22)	-
9	2017	117	PICT	APBE2	4470010	(256.40)	-
9	2017	117	PICT	BGCF2	4470010	(102.88)	-
9	2017	117	PICT	EOXH2	4470010	-	-
9	2017	117	PICT	EVOF2	4470010	(17.26)	-
9	2017	117	PICT	GFIS2	4470010	(7.85)	-
9	2017	117	PICT	IVGE2	4470010	(100.03)	-
9	2017	117	PICT	PREE2	4470010	(95.09)	-
9	2017	117	PICT	SPSR2	4470010	(49.43)	-
9	2017	117	PICT	TFSF2	4470010	(108.49)	-
9	2017	117	PSHD	AMRX2	4470010	(363.99)	-
9	2017	117	PSHD	APBE2	4470010	(320.32)	-
9	2017	117	PSHD	EOXH2	4470010	-	-
9	2017	117	PSHD	EVOF2	4470010	(13.15)	-
9	2017	117	PSHD	ICET2	4470010	(18.39)	-
9	2017	117	PSHD	IVGE2	4470010	(152.60)	-
9	2017	117	PSHD	PREE2	4470010	(165.15)	-
9	2017	117	PSHD	SPSR2	4470010	(3.92)	-
					4470010 Total	(478,082.80)	
9	2017	117	KBRA	RBCC2	4470081	(1,559.91)	-
9	2017	117	KSHD	RBCC2	4470081	779.96	-
					4470081 Total	(779.95)	
9	2017	117	PEQT	RBCC2	4470082	(29.00)	-
9	2017	117	PHRT	MSUI2	4470082	(164.81)	-
9	2017	117	PHRT	RBCC2	4470082	22,454.35	-
9	2017	117	PICT	MSUI2	4470082	(14,120.32)	-

9	2017 117	PICT	RBCC2	4470082	3,232.38	
9	2017 117	PSHD	MSUI2	4470082	18,076.65	-
9	2017 117	PSHD	RBCC2	4470082	(19,895.67)	-
				4470082 Total	9,553.58	
9	2017 117		PJM	4470089	1,427,144.33	-
				4470089 Total	1,427,144.33	
9	2017 117		PJM	4470098	1.88	-
9	2017 117		PJM	4470098	(13,120.77)	-
				4470098 Total	(13,118.89)	
9	2017 117		PJM	4470099	79,081.20	-
9	2017 117		PJM	4470099	60,626.19	-
				4470099 Total	139,707.39	
9	2017 117		PJM	4470100	17,817.58	-
				4470100 Total	17,817.58	
9	2017 117		PJM	4470103	3,101,994.74	116,142,685
				4470103 Total	3,101,994.74	
9	2017 117		PJM	4470107	(0.32)	-
				4470107 Total	(0.32)	
9	2017 117		PJM	4470110	(0.01)	-
				4470110 Total	(0.01)	
9	2017 117	PHHS	DPLG	4470112	66,390.18	1,290,000
				4470112 Total	66,390.18	
9	2017 117		PJM	4470115	(3,247.71)	-
				4470115 Total	(3,247.71)	
9	2017 117		PJM	4470126	67,682.60	-
9	2017 117		PJM	4470126	22,171.67	-
				4470126 Total	89,854.27	
9	2017 117		PJM	4470131	106.34	-
9	2017 117		PJM	4470131	4.43	-
9	2017 117		PJM	4470131	(68,038.16)	(1,238,046)
9	2017 117		PJM	4470131	(212,529.95)	(4,025,796)
				4470131 Total	(280,457.34)	
9	2017 117	PHHS	AMRX2	4470143	(334.08)	-
9	2017 117	PHHS	APBE2	4470143	(522.80)	-
9	2017 117	PHHS	BGCF2	4470143	-	-
9	2017 117	PHHS	EVOF2	4470143	(42.79)	-
9	2017 117	PHHS	ICET2	4470143	(27.96)	-
9	2017 117	PHHS	IVGE2	4470143	(172.14)	-
9	2017 117	PHHS	MSUI2	4470143	18,368.28	-
9	2017 117	PHHS	PREE2	4470143	(81.70)	-
9	2017 117	PHHS	RBCC2	4470143	(72,565.44)	-
				4470143 Total	(55,378.63)	
9	2017 117	Physical	NASIA	4470175	2,551.20	-
9	2017 117	Trading	NASIA	4470175	(3,472.48)	-
				4470175 Total	(921.28)	
9	2017 117	Physical	NASIA	4470176	(2,551.20)	-
9	2017 117	Trading	NASIA	4470176	3,472.48	-
				4470176 Total	921.28	
9	2017 117		PJM	4470206	11,921.78	-
				4470206 Total	11,921.78	
9	2017 117		PJM	4470209	(58,841.64)	-
9	2017 117		PJM	4470209	(70,742.55)	-
				4470209 Total	(129,584.19)	
9	2017 117		PJM	4470214	201.10	-
				4470214 Total	201.10	
9	2017 117		PJM	4470215	(104.98)	-
				4470215 Total	(104.98)	
9	2017 117		PJM	4470220	2,183.87	-
				4470220 Total	2,183.87	
9	2017 117		PJM	4470221	1,083.73	-
				4470221 Total	1,083.73	
9	2017 117		PJM	5550039	(2,175.96)	-
				5550039 Total	(2,175.96)	
9	2017 110		PJME2	5570007	(20.34)	(5,085)
				5570007 Total	(20.34)	
9	2017 117		PJM	5614000	-	-
9	2017 117		PJM	5614000	(25.84)	-
9	2017 117		PJM	5614000	(15,972.70)	-
				5614000 Total	(15,998.54)	
9	2017 180		PJM	5614008	-	-
				5614008 Total	-	

9	2017 117	PJM	5618000	-	-
9	2017 117	PJM	5618000	(7.47)	-
9	2017 117	PJM	5618000	(4,799.82)	-
9	2017 117	PJM	5618000	(8.09)	-
			5618000 Total	(4,815.38)	-
9	2017 117	PJM	5757000	-	-
9	2017 117	PJM	5757000	(665.64)	-
9	2017 117	PJM	5757000	(15,075.84)	-
9	2017 117	PJM	5757000	(261.54)	-
			5757000 Total	(16,003.02)	-
			Grand Total	4,523,166.85	

Pd	Year	Unit	Ref	Trkg Cd	Account	Revenue	KWH Metered	Page
10	2017	117		OHPA2	4470001	353,237.05	6,999,109	14 of 16
					4470001 Total	353,237.05		
10	2017	117			4470006	2,978.32	-	
10	2017	117		NASIA	4470006	-	-	
10	2017	117		PJM	4470006	(1,718.25)	-	
10	2017	117	NEQT	DEOI2	4470006	110,888.70	2,269,000	
10	2017	117	PBAS	CISO	4470006	11,675.92	-	
10	2017	117	PBAS	MISO	4470006	0.20	-	
10	2017	117	PHRT	APBE2	4470006	(0.78)	-	
10	2017	117	PHRT	BGCF2	4470006	-	-	
10	2017	117	PHRT	IVGE2	4470006	-	-	
10	2017	117	PICT	AMRX2	4470006	(119.00)	-	
10	2017	117	PICT	APBE2	4470006	(226.55)	-	
10	2017	117	PICT	BGCF2	4470006	(45.59)	-	
10	2017	117	PICT	CECA2	4470006	-	-	
10	2017	117	PICT	DEOI2	4470006	47,133.99	1,008,000	
10	2017	117	PICT	DPLG	4470006	46,765.42	910,000	
10	2017	117	PICT	EVOF2	4470006	(9.44)	-	
10	2017	117	PICT	IVGE2	4470006	(64.21)	-	
10	2017	117	PICT	MISO	4470006	0.32	-	
10	2017	117	PICT	PREE2	4470006	(91.21)	-	
10	2017	117	PICT	TFSF2	4470006	(101.85)	-	
10	2017	117	PSHD	AMRX2	4470006	(249.41)	-	
10	2017	117	PSHD	APBE2	4470006	(158.57)	-	
10	2017	117	PSHD	BGCF2	4470006	(9.44)	-	
10	2017	117	PSHD	DLPM	4470006	160,375.66	3,064,000	
10	2017	117	PSHD	EVOF2	4470006	(57.67)	-	
10	2017	117	PSHD	IVGE2	4470006	(94.03)	-	
10	2017	117	PSHD	PREE2	4470006	(32.17)	-	
10	2017	117	PSHD	SPSR2	4470006	-	-	
10	2017	117	PSHD	TFSF2	4470006	(0.99)	-	
					4470006 Total	376,639.37		
10	2017	117		ICET2	4470010	(476.89)	-	
10	2017	117		PJM	4470010	(66.38)	-	
10	2017	117		PJM	4470010	(3.31)	-	
10	2017	117		PJM	4470010	(45,912.49)	(954,750)	
10	2017	117		PJM	4470010	(171,468.38)	(3,470,446)	
10	2017	117		PJM	4470010	(150,462.22)	(2,818,789)	
10	2017	117		PJM	4470010	(17,642.81)	(368,719)	
10	2017	117		PJM	4470010	(9.32)	-	
10	2017	117		PJM	4470010	747.10	-	
10	2017	117		PJM	4470010	(20.59)	-	
10	2017	117	PHRT	APBE2	4470010	(10.20)	-	
10	2017	117	PHRT	ICET2	4470010	(59.43)	-	
10	2017	117	PHRT	IVGE2	4470010	-	-	
10	2017	117	PHRT	SPSR2	4470010	(3.14)	-	
10	2017	117	PICT	AMRX2	4470010	(84.35)	-	
10	2017	117	PICT	APBE2	4470010	(206.83)	-	
10	2017	117	PICT	BGCF2	4470010	(74.72)	-	
10	2017	117	PICT	EVOF2	4470010	(9.44)	-	
10	2017	117	PICT	IVGE2	4470010	(319.00)	-	
10	2017	117	PICT	PREE2	4470010	(264.40)	-	
10	2017	117	PICT	SPSR2	4470010	-	-	
10	2017	117	PICT	TFSF2	4470010	(65.61)	-	
10	2017	117	PSHD	AMRX2	4470010	(286.36)	-	
10	2017	117	PSHD	APBE2	4470010	(84.89)	-	
10	2017	117	PSHD	BGCF2	4470010	(9.44)	-	
10	2017	117	PSHD	EVOF2	4470010	(49.43)	-	
10	2017	117	PSHD	ICET2	4470010	(18.39)	-	
10	2017	117	PSHD	IVGE2	4470010	(64.37)	-	
10	2017	117	PSHD	PREE2	4470010	(3.30)	-	
10	2017	117	PSHD	SPSR2	4470010	-	-	
					4470010 Total	(386,928.59)		
10	2017	117	KBRA	RBCC2	4470081	(96.01)	-	
10	2017	117	KSHD	RBCC2	4470081	(3,317.51)	-	
					4470081 Total	(3,413.52)		
10	2017	117	PHRT	MSUI2	4470082	(448.52)	-	
10	2017	117	PHRT	RBCC2	4470082	(2,307.50)	-	
10	2017	117	PICT	MSUI2	4470082	(15,401.42)	-	
10	2017	117	PICT	RBCC2	4470082	(13,092.27)	-	
10	2017	117	PSHD	MSUI2	4470082	(7,519.60)	-	
10	2017	117	PSHD	RBCC2	4470082	(7,616.04)	-	
					4470082 Total	(46,385.35)		

10	2017 117		NASIA	4470089	-	
10	2017 117		PJM	4470089	2,176,271.83	-
				4470089 Total	2,176,271.83	
10	2017 117		NASIA	4470098	-	-
10	2017 117		PJM	4470098	221.07	-
10	2017 117		PJM	4470098	(15,738.88)	-
				4470098 Total	(15,517.81)	
10	2017 117		NASIA	4470099	-	-
10	2017 117		PJM	4470099	81,717.24	-
10	2017 117		PJM	4470099	62,647.06	-
				4470099 Total	144,364.30	
10	2017 117		NASIA	4470100	-	-
10	2017 117		PJM	4470100	11,714.68	-
				4470100 Total	11,714.68	
10	2017 117		NASIA	4470103	-	-
10	2017 117		PJM	4470103	6,825,476.51	285,672,397
				4470103 Total	6,825,476.51	
10	2017 117		PJM	4470107	(0.31)	-
				4470107 Total	(0.31)	
10	2017 117		PJM	4470110	(0.03)	-
				4470110 Total	(0.03)	
10	2017 117		NASIA	4470112	-	-
10	2017 117	PHHS	DPLG	4470112	115,486.81	2,245,000
				4470112 Total	115,486.81	
10	2017 117		NASIA	4470115	-	-
10	2017 117		PJM	4470115	(6,480.43)	-
				4470115 Total	(6,480.43)	
10	2017 117		PJM	4470126	75,927.87	-
10	2017 117		PJM	4470126	152,124.46	-
				4470126 Total	228,052.33	
10	2017 117		PJM	4470131	131.32	-
10	2017 117		PJM	4470131	(15.24)	-
10	2017 117		PJM	4470131	(110,870.21)	(2,308,848)
10	2017 117		PJM	4470131	(349,392.95)	(7,122,861)
				4470131 Total	(460,147.08)	
10	2017 117	PHHS	AMRX2	4470143	(110.99)	-
10	2017 117	PHHS	APBE2	4470143	(250.44)	-
10	2017 117	PHHS	EVOF2	4470143	-	-
10	2017 117	PHHS	ICET2	4470143	(45.59)	-
10	2017 117	PHHS	IVGE2	4470143	(143.43)	-
10	2017 117	PHHS	MSUI2	4470143	(42,526.31)	-
10	2017 117	PHHS	PREE2	4470143	-	-
10	2017 117	PHHS	RBCC2	4470143	262,678.21	-
				4470143 Total	219,601.45	
10	2017 117	Physical	NASIA	4470175	877,934.73	-
10	2017 117	Trading	NASIA	4470175	(24,138.48)	-
				4470175 Total	853,796.25	
10	2017 117	Physical	NASIA	4470176	(877,934.73)	-
10	2017 117	Trading	NASIA	4470176	24,138.48	-
				4470176 Total	(853,796.25)	
10	2017 117		PJM	4470206	31,279.68	-
				4470206 Total	31,279.68	
10	2017 117		PJM	4470209	(76,413.14)	-
10	2017 117		PJM	4470209	(173,352.10)	-
				4470209 Total	(249,765.24)	
10	2017 117		PJM	4470214	1,984.35	-
				4470214 Total	1,984.35	
10	2017 117		PJM	4470215	(876.13)	-
				4470215 Total	(876.13)	
10	2017 117		PJM	4470220	10,575.01	-
				4470220 Total	10,575.01	
10	2017 117		PJM	4470221	123.49	-
				4470221 Total	123.49	
10	2017 117		PJM	5550039	(4,546.15)	-
				5550039 Total	(4,546.15)	
10	2017 110		DTET	5570007	(6,570.69)	(1,961)
10	2017 110		EVOL2	5570007	(15.30)	(196)
10	2017 110		PJME2	5570007	(17.21)	(4,302)
10	2017 110		PREE2	5570007	(131.41)	(1,961)
10	2017 110		TFS2	5570007	(102.97)	(1,373)
				5570007 Total	(6,837.58)	
10	2017 117		PJM	5614000	-	-
10	2017 117		PJM	5614000	(111.45)	-
10	2017 117		PJM	5614000	(24,674.03)	-

10	2017 180	PJM	5614000 Total	(24,785.48)	
			5614008	-	-
			5614008 Total	-	-
10	2017 117	PJM	5618000	-	-
10	2017 117	PJM	5618000	(21.46)	-
10	2017 117	PJM	5618000	(8,971.01)	-
10	2017 117	PJM	5618000	(5.57)	-
			5618000 Total	(8,998.04)	-
10	2017 117	PJM	5757000	-	-
10	2017 117	PJM	5757000	(1,796.18)	-
10	2017 117	PJM	5757000	(27,805.43)	-
10	2017 117	PJM	5757000	(273.05)	-
			5757000 Total	(29,874.66)	-
			Grand Total	9,250,250.46	

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DATA REQUEST

- 1-014 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 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.

Witness: Stephen L. Sharp

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DATA REQUEST

1-015 Provide a list, in chronological order, showing by unit, any scheduled, actual, and forced outages for the period under review.

RESPONSE

Please refer to KPCO_R_KPSC_1_15_Attachment1.pdf for the requested information.

Witness: David L. Mell
 Russel W. Gwin

Kentucky Power Company Fuel Adjustment Clause 2018-00018 Generating Unit Plant Outages May 1, 2017 - October 31, 2017						
Unit	Event Type	Start	End	Duration (Hrs)	Event Description	
Big Sandy 1	PO	4/21/17 11:00 PM	5/27/17 11:00 AM	635.0	Boiler, turbine, other scheduled repairs	
Big Sandy 1	MO	6/19/17 11:32 PM	6/23/17 2:50 PM	87.3	Boiler feedpump turbine oil system repairs, east and west transformer repairs	
Big Sandy 1	FO	8/23/17 1:15 PM	8/24/17 7:45 AM	18.5	Steam seal regulator valve repair	
Mitchell 1	FO	6/18/17 8:10 PM	6/19/17 2:00 AM	5.8	stator water low flow problem	
Mitchell 1	FO	6/19/17 2:00 AM	6/19/17 9:34 PM	19.6	Fiber Optic System alarm	
Mitchell 1	FO	9/6/17 1:03 PM	9/6/17 2:19 PM	1.3	Low Excess Air	
					Boiler i/r, Aux. steam header stop valve repair, ID fan lube oil pump i/r, #11 bearing oil leak, expansion joint repair, #16 pulverizer i/r, #3 governor valve i/r, economizer hopper clinkers.	
Mitchell 1	MO	9/7/17 6:00 AM	9/14/17 6:50 PM	180.8	Main Turbine Bearing #11 Temp.	
Mitchell 1	FO	9/25/17 8:08 AM	10/2/17 11:45 PM	183.6	ID fan swings, Furnace Pressure trip	
Mitchell 1	FO	10/13/17 1:35 AM	10/13/17 10:33 AM	9.0	Controlled shutdown	
Mitchell 1	FO	10/25/17 1:39 PM	10/28/17 2:50 AM	61.2	Steam lead leak in 2nd Reheat	
					To i/r suspected leak located in the deaerator, Economizer partition plate i/r (Critical Path), repair 7A	
					High pressure heater head, Precipitator i/r, #24 Pulverizer Rebuild and yoke replacement and #22 Air heater i/r. Possibility of a one week extension exists based on Economizer inspection results	
Mitchell 2	MO	4/14/17 11:48 PM	5/13/17 8:12 AM	296.2	Generator Field Ground	
Mitchell 2	FO	5/23/17 4:34 PM	5/25/17 3:46 AM	35.2		
					i/r aux condenser due to back pressure (cleaning), i/r leak on common feed pipping to vent stack. i/r coal leak on # 26 C burner line. i/r small leak on the EHC #1 control valve to the main turbine, i/r boiler.	
Mitchell 2	MO	6/5/17 11:35 PM	6/9/17 9:00 PM	93.4		

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DATA REQUEST

1-016 For the period under review, provide the monthly capacity factor at which each generating unit operated.

RESPONSE

Please refer to KPCO_R_KPSC_1_16_Attachment1.pdf for the requested information. The capacity factors reported on KPCO_R_KPSC_1_16_Attachment_1_.pdf for Big Sandy Unit 1 (53.32%) and Mitchell Unit 2 (75.10%) for October 2017 vary from the capacity factors for the two units reported in the corresponding back-up filing (48.80% and 71.00% respectively).

Subsequent to the submission of the back-up filing net generation for the two units for the period was adjusted. The adjustment resulted in a corresponding modification of the capacity factor for the two units.

The adjustment did not have an effect on the amount recovered through the Fuel Adjustment Clause.

Witness: David L. Mell
 Russel W. Gwin
 Stephen L. Sharp

KPCo Generating Unit Capacity Factor (%) May 2017 - October 2017			
Month	Big Sandy 1	Mitchell 1	Mitchell 2
May	1.39	77.76	39.72
June	19.97	66.00	61.95
July	38.26	71.45	77.89
August	20.69	67.31	74.03
September	24.77	36.79	71.45
October	52.32	51.22	75.10

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DATA REQUEST

- 1-017
- a. For the period under review, explain if 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.
 - b. Describe the impact of these changes on Kentucky Power's fuel usage.

RESPONSE

- a). Kentucky Power did not make any changes to its maintenance and operations practices during the period under review. In May 2017 efficiency improvements were implemented at Mitchell Unit 1. The improvements included work on the second reheat turbine, low pressure turbine, and the main condenser. The improvements reduced the unit heat rate (increased efficiency) by a total of 100 Btu/kWh. There were no generation efficiency improvements at Big Sandy Unit 1 or Mitchell Unit 2 during the period under review.
- b). The efficiency improvements at Mitchell Unit1 reduced the amount of fuel burned per kWh.

Witness: David L. Mell
 Russel W. Gwin

KPSC Case No. 2018-00018
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DATA REQUEST

1-018 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 review period.

Witness: Clinton M. Stutler
 Amy E. Jeffries

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DATA REQUEST

1-019 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

Kentucky Power is not aware of any violations of 807 KAR 5:056 not previously disclosed that occurred prior to or during the period under review.

Witness: Stephen L. Sharp

KPSC Case No. 2018-00018
Commission Staff's First Set of Data Requests
Dated February 16, 2018

DATA REQUEST

1-020

State whether all fuel contracts related to commodity and/or 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/or transportation have been filed with the Commission.

Witness: Stephen L. Sharp

KPSC Case No. 2018-00018
Commission Staff's First Set of Data Requests
Dated February 16, 2018

DATA REQUEST

1-021 Provide Kentucky Power's calculations and supporting data for determining the amount of power purchases in excess of the "peaking unit equivalent" that were excluded from recovery through the FAC for each month of the review period May 1, 2017 through October 31 , 2017.

RESPONSE

Please refer to KPCO_R_KPSC_1_21_Attachment1_Confidential.xls for the requested information. Confidential treatment is being sought for portions of this attachment.

Witness: Stephen L. Sharp
 Amy E. Jeffries

VERIFICATION

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

David L. Mell

David L. Mell

Commonwealth of Kentucky)
)
County of Boyd)

Case No. 2018-00018

Subscribed and sworn before me, a Notary Public, by David L. Mell this 1st day of March, 2018.

Allyana K. Inisher

Notary Public

My Commission Expires 03-21-2021



VERIFICATION

The undersigned, Amy E. Jeffries, being duly sworn, deposes and says she is the Natural Gas Manager for American Electric Power, that she has personal knowledge of the matters set forth in the forgoing responses and the information contained therein is true and correct to the best of her information, knowledge, and belief.



Amy E. Jeffries

State of Ohio)
) Case No. 2018-00018
County of Franklin)

Subscribed and sworn before me, a Notary Public, by Amy E. Jeffries this
13th day of March, 2018.



Notary Public

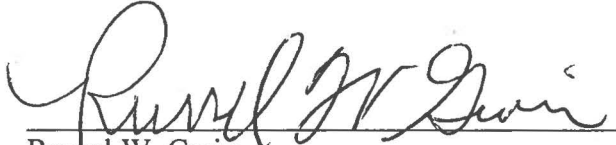
My Commission Expires January 4, 2019



Donna J. Stephens
Notary Public, State of Ohio
My Commission Expires 01-04-2019

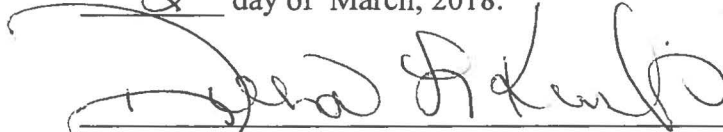
VERIFICATION

The undersigned, Russel W. Gwin, being duly sworn, deposes and says he is a Maintenance Superintendent Sr. – Mitchell for Kentucky Power Company, that he has personal knowledge of the matters set forth in the forgoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.


Russel W. Gwin

State of West Virginia)
)
County of Marshall) Case No. 2018-00018

Subscribed and sworn before me, a Notary Public, by Russel W. Gwin this 2 day of March, 2018.


Notary Public

My Commission Expires 12-11-23

