

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_1** For the period from May 1, 2022, to October 31, 2022 (the last six months of 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. 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 backup filings, the term "spot purchase" is likewise defined for purposes of KPCO\_R\_KPSC\_1\_1\_Attachment1 as any purchase with a term of one year or less.

Witness: Kimberly K. Chilcote

<b>Counterparty</b>	<b>Type of Purchase</b>	<b>Total Tons<sup>1</sup></b>
ACNR Coal Sales, INC.	Contract	518,840
Alpha Metallurgical Coal Sales, LLC	Spot	226,074
Alpha Metallurgical Coal Sales, LLC	Spot	29,167
Alpha Metallurgical Coal Sales, LLC	Spot	3,295
Alpha Metallurgical Coal Sales, LLC	Spot	1,641
Blackhawk Coal Sales, LLC	Contract	41,557
Blackhawk Coal Sales, LLC	Spot	51,798
Blackhawk Coal Sales, LLC	Spot	3,451
Case Coal Sales, LLC	Spot	9,307
RFI Resources, LLC	Spot	13,951
River Trading Company	Spot	29,660

<b>TOTAL</b>	928,741
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Total Contract	60%
Total Spot	40%

<sup>1</sup>Tons are total for the agreement not the Kentucky Power share.

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**DATA REQUEST**

- KPSC 1\_2** For the last six months of the period under review, list each coal purchase made under a long-term contract (one year or greater). For each purchase, list the following:
- 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, or other);
  - e. The actual quantity during the review period; and
  - f. Current price paid per ton.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_2\_Attachment1 for the requested information. For purposes of the Company's monthly fuel adjustment clause back-up filings, Kentucky Power defines a long-term contract as an agreement with a term of more than one year. To permit the Commission to reconcile this response to the Company's fuel adjustment clause back-up filings, the term "long-term contract" is likewise defined for purposes of KPCO\_R\_KPSC\_1\_2\_Attachment1 as any purchase with a term of more than one year.

Witness: Kimberly K. Chilcote

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**DATA REQUEST**

- KPSC 1\_3**
- 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 the 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 excessive inventory.
- (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, 2022 Kentucky Power's actual coal inventory levels (total plant full load burn) were as follows:
  - High Sulfur Inventory: 368,743 tons or 37 days of supply
  - Low Sulfur Inventory: 192,789 tons or 36 days of supply
- b. Days' supply is determined by dividing the tons of coal in storage by the full load burn rate (tons per day)(total plant).
  - For Mitchell High Sulfur:  
 $368,743 \text{ tons in storage as of } 10/31/2022 \text{ divided by } 9,965 \text{ (full load burn rate - tons/day)} = 37 \text{ days}$
  - For Mitchell Low Sulfur:  
 $192,786 \text{ tons in storage as of } 10/31/2022 \text{ divided by } 5,355 \text{ (full load burn rate - tons/day)} = 36 \text{ days}$
- c. As of October 31, 2022, Kentucky Power's total coal inventory was (total Plant):
  - Mitchell High Sulfur:  
Target Inventory = 15 Days  
Actual Inventory = 37 Days (22 days over target)
  - Michell Low Sulfur:  
Target Inventory = 30 Days  
Actual Inventory = 36 Days (6 days over target)
- d. During fall 2022, there was an outage at Mitchell. The Company continued to accept ratable deliveries and as a result, inventory exceeded target inventory by ten days.



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(1) Yes – Kentucky Power has increased its target inventories for the Mitchell Plant as of January 1, 2023.

(2) Kentucky Power has changed its target inventory days as of January 1, 2023, due to the unprecedented volatility seen in 2021 and 2022 as discussed in Company Witness Kimberly Chilcote's Direct Testimony. The Company has changed its target days (see the response to subsection (c) above) to 35 for high and low sulfur coal.

Witness: Kimberly K. Chilcote

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**DATA REQUEST**

- KPSC 1\_4** List each written coal-supply solicitation issued during the last six months of 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(s). Provide the bid tabulation sheet or corresponding document that ranks the proposals. (This document shall 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\_4\_Attachment1 for the requested information concerning the Company's September 12, 2022 written coal-supply solicitations other than the offering vendors, analyses, and ranked proposals for the solicitation.

Please also refer to KPCO\_R\_KPSC\_1\_4\_PublicAttachment2 (September 12, 2022 RFP) for information relating to the offering vendors, analyses, and ranked proposals.

Witness: Kimberly K. Chilcote

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**DATA REQUEST**

**KPSC 1\_5** List each oral coal-supply solicitation issued during the last six months of the period under review.

a. For each solicitation, state why the solicitation was not written, the date(s) of the solicitation, the quantities solicited, a general description of the quality of coal solicited, the period over which deliveries were requested, and the generating unit(s) for which the coal was intended.

b. For each solicitation, identify all vendors solicited and the vendor(s) selected. Provide the bid tabulation sheet or other document that ranks the proposals. (This document shall 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 issued during the last six months of the period under review.

Witness: Kimberly K. Chilcote

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**DATA REQUEST**

**KPSC 1\_6** For the last six months of 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). Provide the percentage of purchases that were spot versus contract.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_6\_Attachment1 for the requested information.

Witness: Clinton M. Stutler

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**DATA REQUEST**

**KPSC 1\_7** For the last six months of 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**

During the last six months of the period under review, there were no 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.

Witness: Clinton M. Stutler

Kentucky Power Company  
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**DATA REQUEST**

**KPSC 1\_8** For the last six months of the period under review, state whether there have been any changes to hedging activities for coal or natural gas purchases used for generation since the previous Fuel Adjustment Clause (FAC) review proceeding. If so, describe the changes in detail.

**RESPONSE**

For the last six months of the period under review, there have been no changes with regard to hedging activities for coal or natural gas purchases used for generation.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

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**DATA REQUEST**

- KPSC 1\_9**
- a. State whether Kentucky Power has audited any of its fuel or transportation contracts during the last six months of 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 of its fuel or fuel transportation contracts during the last six months of the period under review.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

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**DATA REQUEST**

- KPSC 1\_10** 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 related to fuel or fuel transportation matters.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler



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**DATA REQUEST**

- KPSC 1\_11** a. For the last six months of the period under review, state whether 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**

- a) There were no changes during the review period to Kentucky Power's written policies and procedures regarding its fuel procurement during the last six months of the review period.
- b) Not applicable
- c) Kentucky Power's current fuel procurement policy was last modified in May 2018 and the corresponding changes were provided to the Commission as KPCO\_R\_KPSC\_1\_11\_Attachment1 in response to Commission Staff's data requests 1-11 in Case No. 2019-00002 (February 25, 2019).

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

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**DATA REQUEST**

**KPSC 1\_12** For the last six months of the period under review and for the years 2021 and 2022, list all firm power commitments for Kentucky Power 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, etc.).

**RESPONSE**

a. Firm power purchases: During the last six months of the review period Kentucky Power was entitled to a 15% share of the capacity and energy from the Rockport coal-fired generation facility in Indiana under the Rockport Unit Power Agreement (“Rockport UPA”), which aggregated to 393 MW for Kentucky Power. The Rockport UPA terminated on December 8, 2022.

b. Firm power sales: During the last six months of the review period, the Company had commitments to sell wholesale power to the Cities of Olive Hill and Vanceburg Kentucky, as shown below. The numbers listed below represent the customer’s actual peak load for the period May 2022 through October 2022. The cities use the power for load-following service to their citizens.

	May 2022 - October 2022
City of Olive Hill	4.6 MW
City of Vanceburg	10.9 MW

Witness: Scott E. Bishop

Witness: Alex E. Vaughan

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**DATA REQUEST**

**KPSC 1\_13** Provide a monthly billing summary of sales to all electric utilities for the last six months of the period under review.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_13\_Attachment1 for the requested information. See KPCO\_R\_KPSC\_1\_13\_Attachment2 for an explanation of the account numbers listed.

Witness: Scott E. Bishop

<b>Tracking Code</b>	<b>Description</b>
CARB2	Carbon Solutions Group
CEI	Citigroup Energy Inc.
DEGR2	3 Degrees Group, Inc.
ECOP2	Ecogy Pennsylvania Systems LLC
EVOL2	Evolution Markets Inc.
FESC	FirstEnergy Trading Services
NASIA	Systems Integration Agreement
OHPA2	Ohio Power Company (Auction)
PJM	PJM Interconnection
WELF2	Wells Fargo Securities, LLC

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
5	2022	117	FESC	4470006	24,011.86	579,000
				<b>4470006 Total</b>	<b>24,011.86</b>	<b>579,000</b>
5	2022	117	PJM	4470010	(7.60)	-
5	2022	117	PJM	4470010	(7.61)	-
5	2022	117	PJM	4470010	(7.66)	-
5	2022	117	PJM	4470010	(56,086.18)	(574,722)
5	2022	117	PJM	4470010	(49.64)	-
5	2022	117	PJM	4470010	(49.18)	-
5	2022	117	PJM	4470010	(7.67)	-
5	2022	117	PJM	4470010	15,372.96	-
5	2022	117	PJM	4470010	(24.90)	-
				<b>4470010 Total</b>	<b>(40,867.48)</b>	<b>(574,722)</b>
5	2022	117	CEI	4470082	(626.65)	-
5	2022	117	WELF2	4470082	25,820.32	-
				<b>4470082 Total</b>	<b>25,193.67</b>	-
5	2022	117	PJM	4470089	1,456,456.36	-
5	2022	117	PJM	4470089	(904,207.96)	-
				<b>4470089 Total</b>	<b>552,248.40</b>	-
5	2022	117	PJM	4470098	(3,097.63)	-
				<b>4470098 Total</b>	<b>(3,097.63)</b>	-
5	2022	117	PJM	4470099	468,421.88	-
				<b>4470099 Total</b>	<b>468,421.88</b>	-
5	2022	117	PJM	4470100	47,768.99	-
				<b>4470100 Total</b>	<b>47,768.99</b>	-
5	2022	117	PJM	4470103	7,381,594.62	112,718,226
5	2022	117	PJM	4470103	(3,983,164.99)	(69,389,484)
				<b>4470103 Total</b>	<b>3,398,429.63</b>	<b>43,328,742</b>
5	2022	117	PJM	4470110	(0.02)	-
				<b>4470110 Total</b>	<b>(0.02)</b>	-
5	2022	117	PJM	4470115	4,035.74	-
				<b>4470115 Total</b>	<b>4,035.74</b>	-
5	2022	117	PJM	4470126	(11,966.28)	-
				<b>4470126 Total</b>	<b>(11,966.28)</b>	-
5	2022	117	NASIA	4470175	1,506,624.25	-
5	2022	117	NASIA	4470175	8,253.92	-
				<b>4470175 Total</b>	<b>1,514,878.17</b>	-
5	2022	117	NASIA	4470176	(1,506,624.25)	-
5	2022	117	NASIA	4470176	(8,253.92)	-
				<b>4470176 Total</b>	<b>(1,514,878.17)</b>	-
5	2022	117	PJM	4470206	6,150.55	-
				<b>4470206 Total</b>	<b>6,150.55</b>	-
5	2022	117	PJM	4470209	(32,241.92)	-
				<b>4470209 Total</b>	<b>(32,241.92)</b>	-
5	2022	117	PJM	4470214	2,310.11	-
				<b>4470214 Total</b>	<b>2,310.11</b>	-
5	2022	117	PJM	4470215	(2,203.43)	-
				<b>4470215 Total</b>	<b>(2,203.43)</b>	-
5	2022	117	PJM	4470220	464,273.31	-
				<b>4470220 Total</b>	<b>464,273.31</b>	-
5	2022	117	PJM	4470221	1,412.55	-
				<b>4470221 Total</b>	<b>1,412.55</b>	-
5	2022	117	PJM	4470222	24,670.86	-
				<b>4470222 Total</b>	<b>24,670.86</b>	-
5	2022	117	PJM	5550039	197.46	-
				<b>5550039 Total</b>	<b>197.46</b>	-
5	2022	117	PJM	5614000	-	-

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
5	2022	117	PJM	5614000	(6,543.18)	-
				<b>5614000 Total</b>	<b>(6,543.18)</b>	-
5	2022	180	PJM	5614008	-	-
				<b>5614008 Total</b>	-	-
5	2022	117	PJM	5618000	-	-
5	2022	117	PJM	5618000	(1,312.11)	-
				<b>5618000 Total</b>	<b>(1,312.11)</b>	-
5	2022	117	PJM	5757000	-	-
5	2022	117	PJM	5757000	(5,543.22)	-
5	2022	117	PJM	5757000	(558.87)	-
				<b>5757000 Total</b>	<b>(6,102.09)</b>	-
				<b>May Total</b>	<b>4,914,790.87</b>	<b>43,333,020</b>

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
6	2022	117		4470006	(16.63)	-
6	2022	117	FESC	4470006	(302.67)	(7,000)
				<b>4470006 Total</b>	<b>(319.30)</b>	<b>(7,000)</b>
6	2022	117	PJM	4470010	207.00	-
6	2022	117	PJM	4470010	(7.14)	-
6	2022	117	PJM	4470010	(7.14)	-
6	2022	117	PJM	4470010	2.52	-
6	2022	117	PJM	4470010	(15.00)	-
6	2022	117	PJM	4470010	(203.20)	3,859
6	2022	117	PJM	4470010	(34.16)	-
6	2022	117	PJM	4470010	(34.81)	-
6	2022	117	PJM	4470010	(7.20)	-
6	2022	117	PJM	4470010	991.50	-
6	2022	117	PJM	4470010	(27.59)	-
				<b>4470010 Total</b>	<b>864.78</b>	<b>3,859</b>
6	2022	117	CEI	4470082	(0.01)	-
6	2022	117	WELF2	4470082	831.57	-
				<b>4470082 Total</b>	<b>831.56</b>	-
6	2022	117	PJM	4470089	(355,884.56)	-
6	2022	117	PJM	4470089	3,415,832.06	-
				<b>4470089 Total</b>	<b>3,059,947.50</b>	-
6	2022	117	PJM	4470098	-	-
6	2022	117	PJM	4470098	(9,772.64)	-
				<b>4470098 Total</b>	<b>(9,772.64)</b>	-
6	2022	117	PJM	4470099	142,196.72	-
				<b>4470099 Total</b>	<b>142,196.72</b>	-
6	2022	117	PJM	4470100	-	-
6	2022	117	PJM	4470100	74,894.53	-
				<b>4470100 Total</b>	<b>74,894.53</b>	-
6	2022	117	PJM	4470103	(3,594,068.00)	(43,363,553)
6	2022	117	PJM	4470103	7,435,555.40	97,298,280
				<b>4470103 Total</b>	<b>3,841,487.40</b>	<b>53,934,727</b>
6	2022	117	PJM	4470110	(0.01)	-
				<b>4470110 Total</b>	<b>(0.01)</b>	-
6	2022	117	PJM	4470115	4,682.22	-
				<b>4470115 Total</b>	<b>4,682.22</b>	-
6	2022	117	PJM	4470126	-	-
6	2022	117	PJM	4470126	193,207.36	-
				<b>4470126 Total</b>	<b>193,207.36</b>	-
6	2022	117	NASIA	4470175	3,632,661.30	-
6	2022	117	NASIA	4470175	1,362.32	-
				<b>4470175 Total</b>	<b>3,634,023.62</b>	-
6	2022	117	NASIA	4470176	(3,632,661.30)	-
6	2022	117	NASIA	4470176	(1,362.32)	-
				<b>4470176 Total</b>	<b>(3,634,023.62)</b>	-
6	2022	117	PJM	4470206	-	-
6	2022	117	PJM	4470206	20,835.08	-
				<b>4470206 Total</b>	<b>20,835.08</b>	-
6	2022	117	PJM	4470209	-	-
6	2022	117	PJM	4470209	(103,684.83)	-
				<b>4470209 Total</b>	<b>(103,684.83)</b>	-
6	2022	117	PJM	4470214	925.79	-
				<b>4470214 Total</b>	<b>925.79</b>	-
6	2022	117	PJM	4470215	(640.58)	-
				<b>4470215 Total</b>	<b>(640.58)</b>	-
6	2022	117	PJM	4470220	-	-

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
6	2022	117	PJM	4470220	288,297.22	-
				<b>4470220 Total</b>	<b>288,297.22</b>	-
6	2022	117	PJM	4470221	1,167.43	-
				<b>4470221 Total</b>	<b>1,167.43</b>	-
6	2022	117	PJM	5550039	-	-
6	2022	117	PJM	5550039	(129.42)	-
				<b>5550039 Total</b>	<b>(129.42)</b>	-
6	2022	117	PJM	5614000	-	-
6	2022	117	PJM	5614000	(10,821.92)	-
				<b>5614000 Total</b>	<b>(10,821.92)</b>	-
6	2022	117	PJM	5614008	(4,112.75)	-
6	2022	180	PJM	5614008	-	-
				<b>5614008 Total</b>	<b>(4,112.75)</b>	-
6	2022	117	PJM	5618000	-	-
6	2022	117	PJM	5618000	(2,401.72)	-
				<b>5618000 Total</b>	<b>(2,401.72)</b>	-
6	2022	117	PJM	5757000	-	-
6	2022	117	PJM	5757000	(7,495.45)	-
6	2022	117	PJM	5757000	(723.66)	-
				<b>5757000 Total</b>	<b>(8,219.11)</b>	-
				<b>June Total</b>	<b>7,489,235.31</b>	<b>53,931,586</b>



Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
7	2022	117	NASIA	4470006	-	-
7	2022	117	FESC	4470006	(91.33)	(2,000)
				<b>4470006 Total</b>	<b>(91.33)</b>	<b>(2,000)</b>
7	2022	117	PJM	4470010	192.30	-
7	2022	117	PJM	4470010	(8.40)	-
7	2022	117	PJM	4470010	(8.40)	-
7	2022	117	PJM	4470010	(9.05)	-
7	2022	117	PJM	4470010	(11.80)	-
7	2022	117	PJM	4470010	502.21	2,212
7	2022	117	PJM	4470010	(16.54)	-
7	2022	117	PJM	4470010	(15.86)	-
7	2022	117	PJM	4470010	(8.40)	-
7	2022	117	PJM	4470010	4.42	-
7	2022	117	PJM	4470010	(26.40)	-
				<b>4470010 Total</b>	<b>594.08</b>	<b>2,212</b>
7	2022	117	WELF2	4470082	-	-
				<b>4470082 Total</b>	-	-
7	2022	117	NASIA	4470089	-	-
7	2022	117	PJM	4470089	(3,050,174.05)	-
7	2022	117	PJM	4470089	4,987,501.54	-
				<b>4470089 Total</b>	<b>1,937,327.49</b>	-
7	2022	117	NASIA	4470098	-	-
7	2022	117	PJM	4470098	-	-
7	2022	117	PJM	4470098	(24,005.89)	-
				<b>4470098 Total</b>	<b>(24,005.89)</b>	-
7	2022	117	NASIA	4470099	-	-
7	2022	117	PJM	4470099	146,936.59	-
				<b>4470099 Total</b>	<b>146,936.59</b>	-
7	2022	117	NASIA	4470100	-	-
7	2022	117	PJM	4470100	-	-
7	2022	117	PJM	4470100	76,428.20	-
				<b>4470100 Total</b>	<b>76,428.20</b>	-
7	2022	117	NASIA	4470103	-	-
7	2022	117	PJM	4470103	(3,847,458.53)	(53,901,620)
7	2022	117	PJM	4470103	11,967,575.35	156,065,408
				<b>4470103 Total</b>	<b>8,120,116.82</b>	<b>102,163,788</b>
7	2022	117	NASIA	4470115	-	-
7	2022	117	PJM	4470115	7,742.63	-
				<b>4470115 Total</b>	<b>7,742.63</b>	-
7	2022	117	PJM	4470126	-	-
7	2022	117	PJM	4470126	(126,322.42)	-
				<b>4470126 Total</b>	<b>(126,322.42)</b>	-
7	2022	117	NASIA	4470175	2,441,373.57	-
7	2022	117	NASIA	4470175	497.21	-
				<b>4470175 Total</b>	<b>2,441,870.78</b>	-
7	2022	117	NASIA	4470176	(2,441,373.57)	-
7	2022	117	NASIA	4470176	(497.21)	-
				<b>4470176 Total</b>	<b>(2,441,870.78)</b>	-
7	2022	117	PJM	4470206	-	-
7	2022	117	PJM	4470206	37,257.15	-
				<b>4470206 Total</b>	<b>37,257.15</b>	-
7	2022	117	PJM	4470209	-	-
7	2022	117	PJM	4470209	(183,281.86)	-
				<b>4470209 Total</b>	<b>(183,281.86)</b>	-
7	2022	117	NASIA	4470214	-	-
7	2022	117	PJM	4470214	52.56	-

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
				<b>4470214 Total</b>	<b>52.56</b>	-
7	2022	117	NASIA	4470215	-	-
7	2022	117	PJM	4470215	(22.94)	-
				<b>4470215 Total</b>	<b>(22.94)</b>	-
7	2022	117	NASIA	4470220	-	-
7	2022	117	PJM	4470220	-	-
7	2022	117	PJM	4470220	596,351.91	-
				<b>4470220 Total</b>	<b>596,351.91</b>	-
7	2022	117	NASIA	4470221	-	-
7	2022	117	PJM	4470221	683.13	-
				<b>4470221 Total</b>	<b>683.13</b>	-
7	2022	117	NASIA	4470222	-	-
				<b>4470222 Total</b>	-	-
7	2022	117	PJM	5550039	-	-
7	2022	117	PJM	5550039	(554.35)	-
				<b>5550039 Total</b>	<b>(554.35)</b>	-
7	2022	117	PJM	5614000	-	-
7	2022	117	PJM	5614000	(14,111.74)	-
				<b>5614000 Total</b>	<b>(14,111.74)</b>	-
7	2022	180	PJM	5614008	-	-
				<b>5614008 Total</b>	-	-
7	2022	117	PJM	5618000	-	-
7	2022	117	PJM	5618000	(4,409.37)	-
				<b>5618000 Total</b>	<b>(4,409.37)</b>	-
7	2022	117	PJM	5757000	-	-
7	2022	117	PJM	5757000	(12,126.11)	-
7	2022	117	PJM	5757000	(622.83)	-
				<b>5757000 Total</b>	<b>(12,748.94)</b>	-
				<b>July Total</b>	<b>10,557,941.72</b>	<b>102,164,000</b>

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
8	2022	117	FESC	4470006	0.04	-
				<b>4470006 Total</b>	<b>0.04</b>	-
8	2022	117	PJM	4470010	188.18	-
8	2022	117	PJM	4470010	(0.12)	-
8	2022	117	PJM	4470010	(0.12)	-
8	2022	117	PJM	4470010	(7.55)	-
8	2022	117	PJM	4470010	(9.88)	-
8	2022	117	PJM	4470010	156.06	-
8	2022	117	PJM	4470010	(7.87)	-
8	2022	117	PJM	4470010	(7.87)	-
8	2022	117	PJM	4470010	(0.12)	-
8	2022	117	PJM	4470010	(6.40)	-
8	2022	117	PJM	4470010	(49.60)	-
				<b>4470010 Total</b>	<b>254.71</b>	-
8	2022	117	WELF2	4470082	-	-
				<b>4470082 Total</b>	-	-
8	2022	117	PJM	4470089	2,829,402.30	-
8	2022	117	PJM	4470089	1,963,672.28	-
8	2022	117	PJM	4470089	(1,876,205.86)	-
				<b>4470089 Total</b>	<b>2,916,868.72</b>	-
8	2022	117	PJM	4470098	(19,992.42)	-
				<b>4470098 Total</b>	<b>(19,992.42)</b>	-
8	2022	117	PJM	4470099	146,936.59	-
				<b>4470099 Total</b>	<b>146,936.59</b>	-
8	2022	117	PJM	4470100	112,702.27	-
				<b>4470100 Total</b>	<b>112,702.27</b>	-
8	2022	117	PJM	4470103	7,078,925.29	80,411,495
8	2022	117	PJM	4470103	8,093,771.99	102,163,789
8	2022	117	PJM	4470103	(8,181,238.45)	(102,163,788)
				<b>4470103 Total</b>	<b>6,991,458.83</b>	<b>80,411,496</b>
8	2022	117	PJM	4470110	(0.63)	-
				<b>4470110 Total</b>	<b>(0.63)</b>	-
8	2022	117	PJM	4470115	271.80	-
				<b>4470115 Total</b>	<b>271.80</b>	-
8	2022	117	PJM	4470126	(313,600.86)	-
				<b>4470126 Total</b>	<b>(313,600.86)</b>	-
8	2022	117	NASIA	4470175	3,098,436.27	-
8	2022	117	NASIA	4470175	251.95	-
				<b>4470175 Total</b>	<b>3,098,688.22</b>	-
8	2022	117	NASIA	4470176	(3,098,436.27)	-
8	2022	117	NASIA	4470176	(251.95)	-
				<b>4470176 Total</b>	<b>(3,098,688.22)</b>	-
8	2022	117	PJM	4470206	74,440.08	-
				<b>4470206 Total</b>	<b>74,440.08</b>	-
8	2022	117	PJM	4470209	(282,270.80)	-
				<b>4470209 Total</b>	<b>(282,270.80)</b>	-
8	2022	117	PJM	4470214	460.39	-
				<b>4470214 Total</b>	<b>460.39</b>	-
8	2022	117	PJM	4470215	(262.50)	-
				<b>4470215 Total</b>	<b>(262.50)</b>	-
8	2022	117	PJM	4470220	493,986.32	-
				<b>4470220 Total</b>	<b>493,986.32</b>	-
8	2022	117	PJM	4470221	3,239.86	-
				<b>4470221 Total</b>	<b>3,239.86</b>	-
8	2022	117	PJM	5550039	56.22	-
				<b>5550039 Total</b>	<b>56.22</b>	-

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
8	2022	110	CARB2	5570007	(10,762.00)	(997)
8	2022	110	DEGR2	5570007	(19,132.93)	(797)
8	2022	110	ECOP2	5570007	(2,218.06)	(50)
8	2022	110	EVOL2	5570007	(546.59)	(1,843)
				<b>5570007 Total</b>	<b>(32,659.58)</b>	<b>(3,687)</b>
8	2022	117	PJM	5614000	-	-
8	2022	117	PJM	5614000	(8,151.10)	-
				<b>5614000 Total</b>	<b>(8,151.10)</b>	-
8	2022	180	PJM	5614008	-	-
				<b>5614008 Total</b>	-	-
8	2022	117	PJM	5618000	-	-
8	2022	117	PJM	5618000	(3,187.90)	-
				<b>5618000 Total</b>	<b>(3,187.90)</b>	-
8	2022	117	PJM	5757000	-	-
8	2022	117	PJM	5757000	(9,441.60)	-
8	2022	117	PJM	5757000	(594.73)	-
				<b>5757000 Total</b>	<b>(10,036.33)</b>	-
				<b>August Total</b>	<b>10,070,513.71</b>	<b>80,407,809</b>

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
9	2022	117	PJM	4470010	179.72	-
9	2022	117	PJM	4470010	19.89	-
9	2022	117	PJM	4470010	32.46	-
9	2022	117	PJM	4470010	(1.86)	-
				<b>4470010 Total</b>	<b>230.21</b>	-
9	2022	117	PJM	4470089	(59,323.57)	-
				<b>4470089 Total</b>	<b>(59,323.57)</b>	-
9	2022	117	PJM	4470098	(3,390.05)	-
				<b>4470098 Total</b>	<b>(3,390.05)</b>	-
9	2022	117	PJM	4470099	142,196.70	-
				<b>4470099 Total</b>	<b>142,196.70</b>	-
9	2022	117	PJM	4470100	5,219.12	-
				<b>4470100 Total</b>	<b>5,219.12</b>	-
9	2022	117	PJM	4470103	590,457.26	7,068,909
				<b>4470103 Total</b>	<b>590,457.26</b>	<b>7,068,909</b>
9	2022	117	PJM	4470110	0.62	-
				<b>4470110 Total</b>	<b>0.62</b>	-
9	2022	117	PJM	4470115	4,042.45	-
				<b>4470115 Total</b>	<b>4,042.45</b>	-
9	2022	117	PJM	4470126	(2,334.60)	-
				<b>4470126 Total</b>	<b>(2,334.60)</b>	-
9	2022	117	NASIA	4470175	96,275.92	-
9	2022	117	NASIA	4470175	227.82	-
				<b>4470175 Total</b>	<b>96,503.74</b>	-
9	2022	117	NASIA	4470176	(96,275.92)	-
9	2022	117	NASIA	4470176	(227.82)	-
				<b>4470176 Total</b>	<b>(96,503.74)</b>	-
9	2022	117	PJM	4470206	(286.00)	-
				<b>4470206 Total</b>	<b>(286.00)</b>	-
9	2022	117	PJM	4470209	590.21	-
				<b>4470209 Total</b>	<b>590.21</b>	-
9	2022	117	PJM	4470214	1,389.20	-
				<b>4470214 Total</b>	<b>1,389.20</b>	-
9	2022	117	PJM	4470215	(983.32)	-
				<b>4470215 Total</b>	<b>(983.32)</b>	-
9	2022	117	PJM	4470220	10,035.77	-
				<b>4470220 Total</b>	<b>10,035.77</b>	-
9	2022	117	PJM	4470221	-	-
				<b>4470221 Total</b>	-	-
9	2022	117	PJM	5550039	126.34	-
				<b>5550039 Total</b>	<b>126.34</b>	-
9	2022	117	PJM	5614000	-	-
9	2022	117	PJM	5614000	(270.69)	-
				<b>5614000 Total</b>	<b>(270.69)</b>	-
9	2022	117	PJM	5614008	(4,112.75)	-
9	2022	180	PJM	5614008	-	-
				<b>5614008 Total</b>	<b>(4,112.75)</b>	-
9	2022	117	PJM	5618000	-	-
9	2022	117	PJM	5618000	(219.85)	-
				<b>5618000 Total</b>	<b>(219.85)</b>	-
9	2022	117	PJM	5757000	-	-
9	2022	117	PJM	5757000	260.98	-
9	2022	117	PJM	5757000	(694.56)	-
				<b>5757000 Total</b>	<b>(433.58)</b>	-
				<b>September Total</b>	<b>682,933.47</b>	<b>7,068,909</b>

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
10	2022	117	NASIA	4470006	-	-
				<b>4470006 Total</b>	-	-
10	2022	117	PJM	4470010	187.50	-
10	2022	117	PJM	4470010	(10.37)	-
10	2022	117	PJM	4470010	(10.35)	-
10	2022	117	PJM	4470010	(0.01)	-
10	2022	117	PJM	4470010	(10.38)	-
10	2022	117	PJM	4470010	(0.01)	-
10	2022	117	PJM	4470010	(25.80)	-
				<b>4470010 Total</b>	<b>130.58</b>	-
10	2022	117	NASIA	4470089	-	-
10	2022	117	PJM	4470089	(40,036.16)	-
				<b>4470089 Total</b>	<b>(40,036.16)</b>	-
10	2022	117	NASIA	4470098	-	-
10	2022	117	PJM	4470098	(595.97)	-
				<b>4470098 Total</b>	<b>(595.97)</b>	-
10	2022	117	NASIA	4470099	-	-
10	2022	117	PJM	4470099	146,936.59	-
				<b>4470099 Total</b>	<b>146,936.59</b>	-
10	2022	117	NASIA	4470100	-	-
10	2022	117	PJM	4470100	6,165.17	-
				<b>4470100 Total</b>	<b>6,165.17</b>	-
10	2022	117	NASIA	4470103	-	-
10	2022	117	PJM	4470103	488,009.82	8,443,971
				<b>4470103 Total</b>	<b>488,009.82</b>	<b>8,443,971</b>
10	2022	117	PJM	4470110	0.01	-
				<b>4470110 Total</b>	<b>0.01</b>	-
10	2022	117	NASIA	4470115	-	-
10	2022	117	PJM	4470115	(2,835.17)	-
				<b>4470115 Total</b>	<b>(2,835.17)</b>	-
10	2022	117	PJM	4470126	(4,925.75)	-
				<b>4470126 Total</b>	<b>(4,925.75)</b>	-
10	2022	117	OHPA2	4470151	(374.39)	(12,951)
				<b>4470151 Total</b>	<b>(374.39)</b>	<b>(12,951)</b>
10	2022	117	NASIA	4470175	103,677.47	-
10	2022	117	NASIA	4470175	(241.38)	-
				<b>4470175 Total</b>	<b>103,436.09</b>	-
10	2022	117	NASIA	4470176	(103,677.47)	-
10	2022	117	NASIA	4470176	241.38	-
				<b>4470176 Total</b>	<b>(103,436.09)</b>	-
10	2022	117	PJM	4470206	24.70	-
				<b>4470206 Total</b>	<b>24.70</b>	-
10	2022	117	PJM	4470209	(98.49)	-
				<b>4470209 Total</b>	<b>(98.49)</b>	-
10	2022	117	NASIA	4470214	-	-
10	2022	117	PJM	4470214	-	-
				<b>4470214 Total</b>	-	-
10	2022	117	NASIA	4470215	-	-
10	2022	117	PJM	4470215	-	-
				<b>4470215 Total</b>	-	-
10	2022	117	NASIA	4470220	-	-
10	2022	117	PJM	4470220	-	-
				<b>4470220 Total</b>	-	-
10	2022	117	NASIA	4470221	-	-
				<b>4470221 Total</b>	-	-
10	2022	117	PJM	5550039	87.51	-

Pd	Year	Unit	Trkg Cd	Account	Revenue	KWH Metered
				<b>5550039 Total</b>	<b>87.51</b>	-
10	2022	117	PJM	5614000	-	-
10	2022	117	PJM	5614000	(3,189.46)	-
				<b>5614000 Total</b>	<b>(3,189.46)</b>	-
10	2022	180	PJM	5614008	-	-
				<b>5614008 Total</b>	-	-
10	2022	117	PJM	5618000	-	-
10	2022	117	PJM	5618000	(919.91)	-
				<b>5618000 Total</b>	<b>(919.91)</b>	-
10	2022	117	PJM	5757000	-	-
10	2022	117	PJM	5757000	(2,176.30)	-
10	2022	117	PJM	5757000	(630.81)	-
				<b>5757000 Total</b>	<b>(2,807.11)</b>	-
				<b>October Total</b>	<b>585,571.97</b>	<b>8,431,020</b>
				<b>Grand Total</b>	<b>34,300,987.05</b>	<b>295,336,344</b>

<u>Account</u>	<u>Account Description</u>	<u>Description of Charges</u>
4470006	Sales for Resale - Bookout Sales	This account shall include the net billing for electricity supplied for sales for resale for non-associated companies - bookouts
4470010	Sales for Resale - Bookout Purch	This account shall include revenues for sales for resale - bookout purchases.
4470081	Financial Spark Gas - Realized	This account shall include the net billings of settled spark gas financial transactions. (No charges included.)
4470082	Financial Electric Realized	This account shall include settled financial electric optimization transactions (Swaps and Futures) entered into on or after 10-01-03
4470089	PJM Energy Sales Margin	To record ECR's (East Cost Reconstruction Process) derived margin with PJM for spot energy sales to PJM.
4470098	PJM Oper.Reserve Rev-OSS	To record operating reserve charges with PJM allocated to off-system sales (OSS).
4470099	Capacity Cr. Net Sales	To record capacity credit revenue with PJM and other third parties.
4470100	PJM FTR Revenue-OSS	To record FTR revenue with PJM allocated to off-system sales (OSS).
4470103	PJM Energy Sales Cost	To record ECR's derived cost of sales revenue with PJM for spot energy sales to PJM.
4470107	PJM NITS Purch-NonAff.	To record network integration transm. service expense with PJM. (No charges included.)
4470110	PJM TO Admin. Exp.-NonAff.	To record transmission owner scheduling, system control, & dispatch service expense with PJM.
4470112	Non-Trading Bookout Sales-OSS	To record revenues from non-trading off-system sales (OSS) - Bookouts. (No charges included.)
4470115	PJM Meter Corrections-OSS	To record net PJM meter corrections allocated to off-system sales (OSS)
4470126	PJM Incremental Imp Cong-OSS	To record incremental PJM implicit congestion not in ECR for off-system sales
4470127	Sales for Res-Affil Pool Cap.	Record Sales for Resale activity for Affiliated Pool Capacity. (No charges included.)
4470131	Non-Trading Bookout Purch-OSS	To record purchased power for non-trading off-system sales (OSS) - Bookouts.



<u>Account</u>	<u>Account Description</u>	<u>Description of Charges</u>
4470143	Financial Hedge Realized	This account shall include settled financial power transactions (Swaps and Futures) applicable to hedge activity
4470151	Trading Auction Sales Affil	Sales activity to serve an auction managed by another AEP affiliate
4470175	OSS Sharing Reclass - Retail	To record and reflect the estimated amount of OSS margin shared with retail ratepayers.
4470176	OSS Sharing Reclass-Reduction	This account will record and reflect the estimated amount of OSS margin shared with retail ratepayers. The amount recorded in the account will be equal to and offsetting of the amount recorded in OSS Sharing Reclass - Retail
4470206	PJM Trans loss credits-OSS	To record transmission loss credits w/PJM allocated off-system sales
4470209	PJM transm loss charges-OSS	To record transmission loss charges w/PJM allocated to Off-System Sales (OSS)
4470214	PJM 30m Suppl Reserve CR OSS	To record 30 minute supplemental reserve market credit for OSS (off system sales) where net service is revenue. The 30 minute supplemental reserve market is a market based service that applies to resources that can provide reserve capability that can be converted into energy w/in 30 minutes of request OSS would receive any net credits.
4470215	PJM 30m Suppl Reserve CH OSS	To record 30 minute supplemental reserve market charges for OSS (off system sales) where net service is revenue. The 30 minute supplemental reserve market is a market based service that applies to resources that can provide reserve capability that can be converted into energy w/in 30 minutes of request OSS would receive any net credits
4470220	PJM Regulation - OSS	This account is used to record the net credit when PJM Regulation Credits exceed PJM Regulation Charges.
4470221	PJM Spinning Reserve - OSS	This account is used to record the net credit when PJM Spinning Reserve Credits exceed PJM Spinning Reserve Charges.

<u>Account</u>	<u>Account Description</u>	<u>Description of Charges</u>
4470222	PJM Reactive - OSS	This account is used to record the net credit when PJM Reactive Credits exceed PJM Reactive Charges
5550039	PJM Inadvertent Mtr Res-OSS	To record PJM inadvertent energy expense allocated to off-system sales-OSS
5550099	PJM Purchases-non-ECR-Auction	To record PJM purchases (non-ECR) used to serve auction loads that were previously recorded as physical in 5550035. (No charges included.)
5570007	Other Pwr Exp - Wholesale RECs	To record expenses related to requirements of wholesale marketing relationships. Includes purchase costs associated with renewable energy credits (RECs), as well as related administrative fees and alternative compliance payments.
5614000	PJM Admin-SSC&DS-OSS	PJM administrative service fees for scheduling, system control and dispatching services allocated to off-system sales.
5614008	PJM Admin Defaults OSS	To record costs in PJM when a market participant defaults on its payment obligations with PJM. These charges are socialized across all participants in PJM. This administrative fee relates to the OSS (Off System Sales).
5618000	PJM Admin-RP&SDS-OSS	PJM administrative service fees for reliability planning and standards development services allocated to off-system sales. This account shall include the costs billed to the transmission owner, load serving entity, or generator for system planning of the interconnected bulk electric transmission system
5757000	PJM Admin-MAM&SC- OSS	PJM administrative service fees for market administration, monitoring and compliance services allocated to off-system sales. This account shall include the costs billed to the transmission owner, load serving entity or generator for market administration, monitoring and compliance services.

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_14** Provide a list, in chronological order, showing by unit, any scheduled, actual, and forced outages between for the last six months of the period under review. Provide a key for any information that is abbreviated.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_14\_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company  
Fuel Adjustment Case No. 2023-00008  
Generating Unit Outages  
May 1, 2022 - October 31, 2022

Unit Name	Event Type*	Start Date	End Date	Description
Big Sandy 1	MO	5/24/2022 7:00	5/28/2022 16:00	Boiler inspection repair; Deaerator Positive Closing Check Valve repairs; Inspect 2Y vibration pickup on BFPT; Repair Drip Pot drain line to BFPT; Replace Seal on South Positive closing check valve; Inspect Aux Condenser Water Boxes.
Big Sandy 1	MO	6/2/2022 7:00	6/5/2022 16:00	Boiler inspection repair, BFPT 2Y Vibration Probe inspection repair, RV-101 inspection repair, 5N HP Heater leak repair, Turbine Valve Trip Logic inspection repair, Stroke RV-910, Re-pack East Circulating Water Pump, North Heater Drain Pump coupling alignment check.
Big Sandy 1	MO	7/3/2022 7:00	7/9/2022 14:00	Boiler inspection repair, #2 Governor Valve - replace Servo, Lower Right RH Stop/Intercept Valve LVDT replacement, 5N Heater leak repair, West Air Compressor Oil Cooler - clean and replace Oil Pump, Aux Condenser Tube Sheet cleaning.
Big Sandy 1	MO	7/26/2022 7:00	7/30/2022 16:00	to troubleshoot and repair Governor Valve #1 and #2, RV-101; Boiler inspection repair; West Condensate Booster Pump Mechanical Seal Repair; Measure EHC Hoses for fall outage repair; Turbine Room Crane repair
Big Sandy 1	MO	8/15/2022 0:00	8/17/2022 8:00	Boiler inspection repair, North Gland Seal leak Off Exhauster inspection repair, RV-1003 (Low Pressure Steam Seal Regulator) positioner replacement.
Big Sandy 1	MO	8/27/2022 0:00	9/3/2022 8:21	Remove 600V Feed (both A and B Bus) for measurements and to complete last stage blade inspection of the Boiler Feedpump Turbine and Main Turbine Double Flow Low Pressure Turbine Section.
Big Sandy 1	MO	9/8/2022 0:00	9/10/2022 0:00	Pre-Planned Outage preparation.
Big Sandy 1	PO	9/10/2022 0:00	1/14/2023 11:47	Boiler inspection repair, Generator Field Out inspection/possible re wedge, Turbine Valve inspection repair, Corrosion Fatigue inspection repair, Cooling Tower inspection repair, ReHeat Attenuator inspection repair, Gas valve inspection repair, FD Fan and Motor inspection repair, High Energy Piping (HEP) inspection repair, Flow Accelerated Corrosion (FAC) inspection repair, Core Loop testing.
Mitchell 1	FO	6/27/2022 3:07	7/5/2022 2:00	Economizer tube leak
Mitchell 1	FO	7/5/2022 5:34	7/6/2022 4:00	Leak in HP steam line
Mitchell 1	MO	9/24/2022 0:00	10/8/2022 0:00	Repair feed pump turbine steam supply regulating valve.
Mitchell 1	PO	10/8/2022 0:00	11/19/2022 17:32	Boiler inspection repair, Precip inspection repair, Pulverizer/Feeder MATS inspection repair, Economizer wash, Replace Precip Transformer power cables, Replace SCR XJ s 14,15 and 115, Replace Exit Duct XJ FGX-71009, Water Cannon upgrades, Ovation Evergreen upgrade, Inter-lock testing, HE Piping inspection repair.
Mitchell 2	MO	6/8/2022 0:00	6/13/2022 2:00	Boiler inspection
Mitchell 2	MO	6/25/2022 0:00	7/2/2022 14:34	Repair leaks
Mitchell 2	FO	7/11/2022 15:00	7/11/2022 22:47	Oil issues with the 2-1 ID fan when the 3-way valve didn't function properly
Mitchell 2	MO	7/16/2022 3:33	7/24/2022 0:31	#21 ID Fan Thrust Bearing and Radial Bearing
Mitchell 2	MO	9/3/2022 0:00	9/10/2022 0:00	Pre Planned Outage prep work.
Mitchell 2	PO	9/10/2022 0:00	12/16/2022 14:25	Boiler inspection repair, Cooling Tower inspection repair, Low Pressure Turbine A"&"B" Valve replacement, Complete Boiler Air Heater Baskets replacement

Event Type\*  
FO Forced Outage  
MO Maintenance Outage  
PO Planned Outage

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_15** For the last six months of the period under review, provide the monthly capacity factor at which each generating unit operated.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_15\_Attachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

**Kentucky Power Company**  
**Fuel Adjustment Case No. 2023-00008**  
**Generating Unit Net Capacity Factor (%)**  
**May 1, 2022 - October 31, 2022**

	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
<b>Big Sandy 1</b>	31.66	31.41	23.47	16.58	0.00	0.00
<b>Mitchell 1</b>	44.97	50.58	54.81	70.15	46.09	0.00
<b>Mitchell 2</b>	13.52	23.40	39.50	23.43	0.00	0.00

**Kentucky Power Company**  
**Fuel Adjustment Case No. 2023-00008**  
**Generating Unit Equivalent Availability Factor (%)**  
**May 1, 2022 - October 31, 2022**

	May-22	Jun-22	Jul-22	Aug-22	Sep-22	Oct-22
<b>Big Sandy 1</b>	85.75	86.51	61.28	76.27	15.51	0.00
<b>Mitchell 1</b>	92.41	84.99	80.82	96.85	75.69	0.00
<b>Mitchell 2</b>	94.72	57.99	55.95	92.7	6.34	0.00

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

- KPSC 1\_16** a. For the last six months of 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.  
b. Describe the impact of these changes on Kentucky Power's fuel usage.

**RESPONSE**

- a. and b. For the last six months of the period under review, the Company did not make any changes to its maintenance and operations practices, or complete any specific generation efficiency improvements that affect fuel usage at its generation facilities.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_17** For the last six months of the period under review provide the hour by hour availability of each generating unit availability, how the unit had been bid into the day ahead market, whether the unit was operating, and if operating the minimum (economic or operational) and maximum capacity of the unit.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_17\_Attachment1 fir the requested information.

Witness: Alex E. Vaughan



Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_18** State whether Kentucky Power is aware of any violations of its policies and procedures regarding fuel procurement that occurred prior to or during the last six months of 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 last six months of the review period.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_19** State whether Kentucky Power is aware of any violations of 807 KAR 5:056 that occurred prior to or during the last six months of the period under review.

**RESPONSE**

The Company is not aware of any such violations.

Witness: Scott E. Bishop

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

- KPSC 1\_20** Describe the effect on the FAC calculation of line losses related to:
- a. Intersystem sales when using a third-party transmission system; and
  - b. Intersystem sales when not using a third-party transmission system.

**RESPONSE**

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

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

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

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

Witness: Scott E. Bishop

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 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 such contracts have been filed with the Commission.

Witness: Scott E. Bishop

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_22** For each generating station, state the methods of coal delivery currently available.

**RESPONSE**

Big Sandy – pipeline  
Mitchell – barge, belt

Witness: Kimberly K. Chilcote

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_23** If a change in the base fuel cost is proposed, state the month to be used as the base period (b). If the base period results in a fuel cost other than one representative of current costs as prescribed by 807 KAR 5:056, Section 1(2), explain why this base period was selected. If no change is proposed, include an explanation of the reason(s) Kentucky Power believes the current base period fuel cost should remain unchanged.

**RESPONSE**

The Company is proposing a new base fuel rate of 3.380 cents per kWh. The Company selected January 2022 as the representative month for the base period. Please see the Direct Testimony of Company Witness Bishop for a full explanation of the Company's proposal.

Witness: Scott E. Bishop

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_24** Provide a calculation of the fossil fuel costs F(b) that Kentucky Power proposes to use to calculate the base period fuel cost. This calculation shall show each component of F(b) as defined by 807 KAR 5:056. Explain why the fuel cost in the selected base period is representative of the level of fuel cost currently being experienced by Kentucky Power.

**RESPONSE**

Please see the Company's response to KPSC 1-23 and the Direct Testimony of Company Witness Bishop. The Company is proposing to use January 2022 as its representative month for the base period. KPCO\_R\_KPSC\_1\_24\_Attachment1 provides the requested information concerning that month.

Witness: Scott E. Bishop

**KENTUCKY POWER COMPANY**

**FINAL  
FUEL COST SCHEDULE**

**Month Ended:                      January 2022**

A. Company Generation					
Coal Burned	(+)			\$5,947,315	
Oil Burned	(+)			231,661	
Gas Burned	(+)			6,920,528	
Fuel (jointly owned plant)	(+)			0	
Fuel (assigned cost during Forced Outage)					
(            0            KWH X    \$0.000000 )	(+)			0	
Fuel (substitute for Forced Outage)	(-)			<u>0</u>	
Sub-total				<u>13,099,504</u>	
B. Purchases					
Net Energy Cost - Economy Purchases	(+)			0	
Identifiable Fuel Cost - Other Purchases	(+)			13,275,976	
Identifiable Fuel Cost (substitute for Forced Outage)					
(            0            KWH X    \$0.000000 )	(-)			0	
Purchase Adjustment for Peaking Unit Equivalent	(-)			665,115 (1)	
Sub-total				<u>12,610,862</u>	
C. Inter-System Sales Fuel Costs				<u>5,655,213</u>	
D. SUB-TOTAL FUEL COST (A + B - C)				<u>\$20,055,154</u>	
E. Fuel-Related PJM Billing Line Items				<u>January 2022</u>	(525,969)
F. GRAND TOTAL FUEL COSTS (D + E)				<u><u>\$19,529,185</u></u>	

( 1 ) As calculated in accordance with KPSC Order dated October 3, 2002 in Case No. 2000-495-B, and as modified by the Commission's January 18, 2018 Order in Case No. 2017-00179.



Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

- KPSC 1\_25** Provide a schedule showing each component of sales as defined by 807 KAR 5:056 in the selected base period (b). Explain why Kentucky Power believes that the sales in the selected base period (b) are representative of the level of kWh sales that Kentucky Power will derive from the level of fuel cost incurred during the selected base period (b).
- a. Separately provide the amounts of power purchases used in the calculation of sales provided.
  - b. Separately provide the amounts of intersystem power sales used in the calculation of sales provided.

**RESPONSE**

a & b. KPCO\_R\_KPCO\_1\_25\_Attachment1 provides the requested information for the Company's January 2022 sales. Although sales are projected to be higher in 2023 and 2024, their resulting cents/kWh cost reasonably approximates that produced by the Company's January 2022 sales and costs. Please see the direct testimony of Company Witness Bishop for further explanation of why the Company chose January 2022 as the base month.

Witness: Scott E. Bishop

**KENTUCKY POWER COMPANY**

**SALES SCHEDULE**

**Month Ended:            January 2022**

		<u>Kilowatt-Hours</u>
A. Generation (Net)	(+)	439,237,000
Purchases Including Interchange In	(+)	<u>255,014,000</u>
Sub Total		694,251,000
B. Pumped Storage Energy	(+)	0
Inter-System Sales Including Interchange Out	(+)	82,158,000
System Losses	(+)	<u>34,316,487</u> *
Sub Total		<u>116,474,487</u>
Total Sales (A - B)		<u><u>577,776,513</u></u>

\* Does not include 658,513 KWH of company usage.



Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_27** Provide a schedule of the present and proposed rates that Kentucky Power seeks to change pursuant to 807 KAR 5:056, shown in comparative form.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_27\_Attachment1. The attachment provides a comparison of the Company's current rates based upon the current base fuel cost of 2.612 cents per kWh and the new proposed rates based upon the proposed base fuel cost rate of 3.380 cents per kWh for each customer class.

Witness: Scott E. Bishop

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_28** Provide a copy of the current tariff showing by cross-outs and inserts all proposed changes in rates.

**RESPONSE**

Please see attachment KPCO\_R\_KPSC\_1\_28\_Attachment1 which provides a comparison of the Company's current rates based upon the current base fuel cost of 2.612 cents per KWh and the new proposed rates based upon the proposed base fuel cost of 3.380 cents per kWh for each customer class.

Witness: Scott E. Bishop

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~4<sup>th</sup>~~ ~~3<sup>rd</sup>~~ -REVISED SHEET NO.  
5-2

CANCELLING P.S.C. KY. NO. 12 ~~3<sup>rd</sup>~~ ~~2<sup>nd</sup>~~ -REVISED SHEET NO. 5-2

**TARIFF F.A.C. (Cont'd)**  
**(Fuel Adjustment Clause)**

4. Forced outages are all nonscheduled losses of generation or transmission which require substitute power for a continuous period in excess of six (6) hours. Where forced outages are not as a result of faulty equipment, faulty manufacture, faulty design, faulty installations, faulty operation, or faulty maintenance, but are Acts of God, riot, insurrection or acts of the public enemy, then the utility may, upon proper showing, with the approval of the Commission, include the fuel costs of substitute energy in the adjustment. Until such approval is obtained, in making the calculations of fuel costs (F) in subsection (3)(a) and (b) above, the forced outage costs to be subtracted shall be no less than the fuel cost related to the lost generation.
5. Sales (S) shall be all kWh's sold, excluding intersystem sales. If, for any reason billed system sales cannot be coordinated with the fuel costs for the billing period, sales may be equated to: (i) generation, plus (ii) purchases, plus (iii) interchange in, less (iv) energy associated with pumped storage operations, less (v) intersystem sales referred to in subsection (3)(d) above, less (vi) total system losses. Utility used energy shall not be excluded in the determination of sales (S).
6. The cost of fossil fuel shall only include the cost of the fuel itself and necessary charges for transportation of the fuel from the point of acquisition to the unloading point, as listed in Account 151 of FERC Uniform System of Accounts for Public Utilities and Licensees, less any cash or other discounts.
7. At the time the fuel clause is initially filed, the utility shall submit copies of each fossil fuel purchase contract not otherwise on file with the Commission and all other agreements, options, amendments, modifications, and similar documents related to the procurement of fuel supply or purchased power. Any changes in the contracts or other documents, including price escalations, and any new agreements entered into after the initial submission, shall be submitted at the time they are entered into. If fuel is purchased from utility-owned or controlled sources, or the contract contains a price escalation clause, those facts shall be noted and the utility shall explain and justify them in writing. Fuel charges, which are unreasonable, shall be disallowed and may result in the suspension of the fuel adjustment clause based on the severity of the utility's unreasonable fuel charges and any history of unreasonable fuel charges. The Commission on its own motion may investigate any aspect of fuel purchasing activities covered by 807 KAR 5:056 (Fuel Adjustment Clause).
8. The monthly fuel adjustment shall be filed with the Commission no later than ten (10) days before it is scheduled to go into effect, along with all the necessary supporting data to justify the amount of the adjustment.
9. Copies of all documents required to be filed with the Commission under 807 KAR 5:056 shall be open and made available for public inspection at the office of the Public Service Commission pursuant to the provisions of KRS 61.870 to 61.884.
10. At six (6) month intervals, the Commission shall conduct a formal review and may conduct public hearings on a utility's past fuel adjustments. The Commission shall order a utility to charge off and amortize, by means of a temporary decrease of rates, any adjustments the Commission finds unjustified due to improper calculation or application of the charge or improper fuel procurement practice.
11. Every two (2) years following the initial effective date of each utility's fuel clause, the Commission shall conduct a formal review and evaluate past operations of the clause, disallow improper expenses, and to the extent appropriate, reestablish the fuel clause charge in accordance with Section 1 (2) of 807 KAR 5:056.
12. The Commission may conduct a public hearing if the Commission finds that a hearing is necessary for the protection of a substantial interest or is in the public interest.
13. Resulting cost per kilowatt-hour in ~~February 2020~~ January 2022 to be used as the base cost in Standard Fuel Adjustment Clause is:

Fuel - ~~January 2022~~ ~~February 2020~~ ÷ ~~\$19,529,185~~ ~~12,810,858~~ = ~~\$0.033800~~ ~~0.02612~~ /kWh  
Sales ~~January 2022~~ ~~February 2020~~ ~~577,776,513~~ ~~490,482,730~~

This, as used in the Fuel Adjustment Clause, is ~~3.3802~~ ~~612~~ ¢ per kilowatt-hour.  
(Cont'd on Sheet 5-3)

DATE OF ISSUE: ~~XXXX XX, XXXX~~ April 26, 2022

DATE EFFECTIVE: ~~Bills-Service~~ Rendered On And After ~~XXXX XX, XXXX~~ April 29, 2022

ISSUED BY: /s/ Brian K. West

TITLE: Vice President, Regulatory & Finance

By Authority Of an Order of the Public Service Commission

In Case No. 2023-00008 ~~XXXX-XXXX~~ Dated ~~XXXXXX XX, XXXX~~

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ ~~1<sup>st</sup>~~ REVISED SHEET NO.  
6-1

CANCELLING P.S.C. KY. NO. ~~12-1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 6-1

**TARIFF R.S.  
(Residential Service)**

**AVAILABILITY OF SERVICE.**

Available for full domestic electric service through 1 (one) meter to individual residential customers including rural residential customers engaged principally in agricultural pursuits.

**RATE.** (Tariff Codes 015, 017, 022)

Service Charge.....\$ 17.50 per month  
Energy Charge: .....~~11.567~~~~10.799~~¢ per KWH

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Residential Energy Assistance	Sheet No. 25
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**DUE DATE.**

Bills under this tariff are due and payable within fifteen (15) days of the mailing date.

**VOLUNTEER FIRE DEPARTMENTS** (Tariff Code 024)

Volunteer Fire Departments may qualify pursuant to KRS 278.172 for this tariff but will be required to provide a completed Form 990 and update it annually.

(Cont'd on Sheet No. 6-2)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
DATE EFFECTIVE: Service Rendered On And After ~~XXXX XX, XXXX August 1, 2021~~  
ISSUED BY: /s/ Brian K. West  
TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. ~~20213-000082021-00053~~ Dated ~~XXXX XX, XXXX August 2, 2021~~

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1<sup>st</sup>~~<sup>2nd</sup> REVISED SHEET NO.

6-2

CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 6-2

**TARIFF R.S. (Cont'd)**  
**(Residential Service)**

**STORAGE WATER HEATING PROVISION.**

This provision is withdrawn except for the present installations of current customers receiving service hereunder at premises served prior to April 1, 1997.

If the customer installs a Company approved storage water heating system which consumes electrical energy only during off-peak hours as specified by the Company and stores hot water for use during on-peak hours, the following shall apply:

Tariff Code

- 012 (a) For Minimum Capacity of 80 gallons, the last 300 KWH of use in any month shall be billed at ~~8.6567-888~~¢ per KWH
- 013 (b) For Minimum Capacity of 100 gallons, the last 400 KWH of use in any month shall be billed at ~~8.6567-888~~¢ per KWH.
- 014 (c) For Minimum Capacity of 120 gallons or greater, the last 500 KWH of use in any month shall be billed at ~~8.6567-888~~¢ per KWH.

These provisions, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For purpose of this provision, the on-peak billing period is defined as 7:00A.M. to 9:00P.M. for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00PM to 7:00AM for all weekdays and all hours of Saturday and Sunday.

The Company reserves the right to inspect at all reasonable times the storage water heating system and devices which qualify the residence for service under the storage water heater provision, and to ascertain by any reasonable means that the time-differentiated load characteristics of such devices meet the Company's specifications. If the Company finds that in its sole judgment the availability conditions of this provision are being violated, it may discontinue billing the Customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Service Charge, and the adjustment clauses as stated in the Adjustment Clauses section.

**LOAD MANAGEMENT WATER-HEATING PROVISION.** (Tariff Code 011)

For residential customers who install a load management water-heating system which consumes electrical energy during off-peak hours specified by the Company and stores hot water for use during on-peak hours, of minimum capacity of 80 gallons, the last 250 KWH of use in any month shall be billed at ~~8.6567-888~~¢ per KWH.

This provision, however, shall in no event apply to the first 200 KWH used in any month, which shall be billed in accordance with the "Monthly Rate" as set forth above.

For the purpose of this provision, the on-peak billing period is defined as 7:00 A.M. to 9:00 P.M. for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 P.M. to 7:00 A.M. for all weekdays and all hours of Saturday and Sunday.

The Company reserves the right to inspect at all reasonable times the load management water-heating system(s) and devices which qualify the residence for service under the Load Management Water-Heating Provision. If the Company finds that, in its sole judgment, the availability conditions of this provision are being violated; it may discontinue billing the Customer under this provision and commence billing under the standard monthly rate.

This provision is subject to the Service Charge, and the adjustment clauses as stated in the Adjustment Clauses section.

(Cont'd on Sheet No. 6-3)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX

DATE EFFECTIVE: Service Rendered On And After ~~XXXX XX, XXXX~~August 1, 2021

ISSUED BY: /s/ Brian K. West

TITLE: Vice President, Regulatory & Finance

By Authority Of an Order of the Public Service Commission

In Case No. ~~2023-00008~~2021-00053 Dated ~~XXXX XX, XXXX~~August 2, 2021



KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ 1<sup>st</sup> REVISED SHEET NO. 6-4  
CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ORIGINAL SHEET NO. 6-4

**TARIFF R.S.-L.M.-T.O.D.**  
**(Residential Service Load Management Time-of-Day)**

**AVAILABILITY OF SERVICE.**

Available to customers eligible for Tariff R.S. (Residential Service) who use energy storage devices with time-differentiated load characteristics approved by the Company which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours.

Households eligible to be served under this tariff shall be metered through a multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods.

**RATE.** (Tariff Codes 028, 030, 032, 034)

Service Charge.....	\$ 21.00 per month
Energy Charge:	
All KWH used during on-peak billing period.....	<del>15.30214-534</del> ¢ per KWH
All KWH used during off-peak billing period.....	<del>8.6567-888</del> ¢ per KWH

For the purpose of this tariff, the on-peak billing period is defined as 7:00 A.M. to 9:00 P.M. for all weekdays, Monday through Friday. The off-peak period is defined as 9:00 P.M. to 7:00 A.M. for all weekdays and all hours of Saturday and Sunday.

**CONSERVATION AND LOAD MANAGEMENT CREDIT.**

For the combination of an approved electric thermal storage space heating system and water heater, both of which are designed to consume electrical energy only between the hours of 9:00P.M. and 7:00A.M. for all days of the week, each residence will be credited 0.745¢ per KWH for all energy used during the off-peak billing period, for a total of 60 monthly billing periods following the installation and use of these devices in such residence.

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Residential Energy Assistance	Sheet No. 25
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

(Cont'd on Sheet No. 6-5)

DATE OF ISSUE: ~~August 20, 2021~~ XXXX, XX, XXXX

DATE EFFECTIVE: Service Rendered On And After ~~August 1, 2021~~ XXXX XX, XXXX

ISSUED BY: /s/ Brian K. West

TITLE: Vice President, Regulatory & Finance

By Authority Of an Order of the Public Service Commission

In Case No. 2023-000082021-00053 Dated XXXX XX, XXXAugust 2, 2021

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ ~~4<sup>th</sup>~~ REVISED SHEET NO.  
6-6

CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 6-6

**TARIFF R.S. - T.O.D. (Residential  
Service Time-of-Day)**

**AVAILABILITY OF SERVICE.**

Available for residential electric service through a multiple-register meter capable of measuring electrical energy consumption during the on-peak and off-peak billing periods to individual residential customers, including residential customers engaged principally in agricultural pursuits. Availability is limited to the first 1,000 customers applying for service under this tariff.

**RATE.** (Tariff Code 036)

Service Charge..... \$ 21.00 per month  
Energy Charge:  
All KWH used during on-peak billing period..... ~~14.53415.302~~ ¢ per KWH  
All KWH used during off-peak billing period..... ~~8.6567.888~~ ¢ per KWH

For the purpose of this tariff, the on-peak billing period is defined as 7:00A.M. to 9:00P.M. for all weekdays, Monday through Friday. The off-peak period is defined as 9:00P.M. to 7:00A.M. for all weekdays and all hours of Saturday and Sunday.

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Residential Energy Assistance	Sheet No. 25
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**DUE DATE.**

Bills under this tariff are due and payable within fifteen (15) days of the mailing date.

(Cont'd on Sheet No. 6-7)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
DATE EFFECTIVE: Service Rendered On And After ~~August 1, 2021~~XXXX XX, XXXX  
ISSUED BY: /s/ Brian K. West  
TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. ~~2023-00008~~2021-00053 Dated ~~XXXX XX, XXXX~~August 2, 2021

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ 1<sup>st</sup>-REVISED SHEET NO.  
 6-8

CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ORIGINAL SHEET NO. 6-8  
**TARIFF R.S. T.O.D.2**

**(Experimental Residential Service Time-of-Day 2)**

**AVAILABILITY OF SERVICE.**

Available on a voluntary, experimental basis to individual residential customers for residential electric service through a multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is limited to the first 500 customers applying for service under this tariff.

**RATE.** (Tariff Code 027)

Service Charge ..... \$21.00 per month  
 Energy Charge:  
 All KWH used during Summer on-peak billing period ..... ~~18.849~~19.617¢ per KWH  
 All KWH used during Winter on-peak billing period ..... ~~16.352~~17.120¢ per KWH  
 All KWH used during off-peak billing period ..... ~~9.0859~~8.53¢ per KWH

For the purpose of this tariff, the on-peak and off-peak billing periods shall be defined as follows:

<u>Months</u>	<u>On-Peak</u>	<u>Off-Peak</u>
Approximate Percent (%) Of Annual Hours	16%	84%
<u>Winter Period:</u> November 1 to March 31	7:00 A.M. to 11:00 A.M. 6:00 P.M. to 10:00 P.M.	11:00 AM. to 6:00 P.M. 10:00 P.M. to 7:00 A.M.
<u>Summer Period:</u> May 15 to September 15	Noon to 6:00 P.M.	6:00 P.M. to Noon
<u>All Other Calendar Periods</u>	None	Midnight to Midnight

NOTE: All KWH consumed during Saturday and Sunday are billed at the off-peak level.

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Residential Energy Assistance	Sheet No. 25
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

(Cont'd on Sheet No. 6-9)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
 DATE EFFECTIVE: Service Rendered On And After XXXX XX, XXXXAugust 1, 2021  
 ISSUED BY: /s/ Brian K. West  
 TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. 2023-000082021-00053 Dated XXXX XX, XXXXAugust 2, 2021

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ 1<sup>st</sup> REVISED SHEET NO. 6-10  
CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ~~ORIGINAL~~ SHEET NO. 6-10

**TARIFF R. S. D.**  
**(Residential Demand-Metered Electric Service)**

**AVAILABILITY OF SERVICE.**

Available for residential electric service through one single-phase multiple-register demand meter. Availability is limited to the first 1,000 customers applying for service under this tariff.

**MONTHLY RATE.** (Tariff Code 018)

Service Charge ..... \$21.00 per customer

Energy Charge

All KWH used during on-peak billing period..... ~~13.12242.354~~¢ per KWH

All KWH used during off-peak billing period..... ~~7.8888.565~~¢ per KWH

Demand Charge ..... \$3.90 for each KW of monthly billing demand

For the purpose of this tariff, the on-peak billing period is defined as follows:

Months of October – May.....7:00 A.M to 11:00 A.M for all weekdays

Months of June – September .....4:00 P.M to 9:00 P.M for all weekdays

The off-peak billing period is defined as all weekday hours not defined above as on-peak hours and all hours of Saturday and Sunday.

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Residential Energy Assistance	Sheet No. 25
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**MONTHLY BILLING DEMAND.**

Customer's demand will be taken monthly to be the highest registration of a 60 minute integrating demand meter or indicator during the on-peak period.

**DUE DATE.**

Bills under this tariff are due and payable within fifteen (15) days of the mailing date.

(Cont'd on Sheet No. 6-11)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX

DATE EFFECTIVE: Service Rendered On And After ~~August 1, 2021~~XXXX XX, XXXX

ISSUED BY: /s/ Brian K. West

TITLE: Vice President, Regulatory & Finance

By Authority Of an Order of the Public Service Commission

In Case No. ~~2021-00053~~2023-00008 Dated ~~August 2, 2021~~XXXX XX, XXXX

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ ~~1<sup>st</sup>~~ REVISED SHEET NO. 7-

1

CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 7-1

**TARIFF G.S.  
 (General Service)**

**AVAILABILITY OF SERVICE.**

Available for general service customers. Customers may continue to qualify for service under this tariff until their average maximum demand exceeds 100 kW (excluding the demand served by the Load Management Time-of-Day provision).

Existing customers not meeting the above criteria will be permitted to continue service under present conditions only for continuous service at the premises occupied on or prior to December 5, 1984.

**RATE.**

Tariff Code	Service Voltage	Demand Charge (\$/kW)	First 4,450 kWh (¢/kWh)	Over 4,450 kWh (¢/kWh)	Monthly Service Charge (\$)
211, 212, 215, 216, 218	Secondary	6.61	<del>10.90711.675</del>	<del>10.20110.969</del>	25.00
217, 220	Primary	6.01	<del>9.57410.342</del>	<del>8.9939.761</del>	100.00
236	Subtransmission	4.68	<del>8.6639.431</del>	<del>8.1418.909</del>	400.00

The Demand Charge shall apply to all monthly billing demand in excess of 10 kW.

**MINIMUM CHARGE.**

This tariff is subject to a minimum charge equal to the sum of the service charge plus the demand charge multiplied by the monthly billing demand in excess of 10 kW.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Kentucky Economic Development Surcharge	Sheet No. 24
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**DELAYED PAYMENT CHARGE.**

This tariff is due and payable in full on or before the due date stated on the bill. On all accounts not so paid, an additional charge of 5% of the unpaid balance will be made.

(Cont'd on Sheet No. 7-2)

DATE OF ISSUE: ~~August 20, 2021~~ XXXX XX, XXXX  
 DATE EFFECTIVE: ~~Service Rendered On And After XXXX XX, XXXX August 1, 2021~~  
 ISSUED BY: /s/ Brian K. West  
 TITLE: ~~Vice President, Regulatory & Finance~~  
 By Authority Of an Order of the Public Service Commission  
 In Case No. ~~20212023-0005300008~~ Dated XXXX XX, XXXX ~~August 2, 2021~~

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~<sup>1<sup>st</sup></sup> REVISED SHEET NO.  
7-2

CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ORIGINAL SHEET NO. 7-2

**TARIFF G.S.**  
**(General Service)**

**METERED VOLTAGE.**

The rates set forth in this tariff are based upon the delivery and measurements of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KW values will be adjusted for billing purposes. If the Company elects to adjust KWH and KW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a Customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

**MONTHLY BILLING DEMAND.**

Energy supplied hereunder will be delivered through not more than one single phase and/or polyphase meter. Customer's demand will be taken monthly to be the highest registration of a 15-minute integrating demand meter or indicator, or the highest registration of a thermal type demand meter. The monthly billing demand shall be the greater of: (1) Customer's metered kW demand, (2) 60% of the Customer's contract capacity in excess of 100 kW, or (3) 60% of the customer's highest previously established monthly billing demand during the past 11 months in excess of 100 KW.

The Company reserves the right to install a demand meter on any customer receiving service under this tariff. A demand meter will be installed by the Company for customers with monthly kWh usage of 4,450 kWh or greater.

**RECREATIONAL LIGHTING SERVICE PROVISION.**

Available for service to customers with demands of 5 KW or greater and who own and maintain outdoor lighting facilities and associated equipment utilized at baseball diamonds, football stadiums, parks and other similar recreational areas. This service is available only during the hours between sunset and sunrise. Daytime use of energy under this rate is strictly forbidden except for the sole purpose of testing and maintaining the lighting system. All Terms and Conditions of Service applicable to Tariff G.S. customers will also apply to recreational lighting customers except for the Availability of Service.

**RATE.** (Tariff Code 214)

Service Charge.....\$25.00 per month

Energy Charge ..... ~~10.838~~11.606c per KWH

(Cont'd on Sheet No. 7-3)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
DATE EFFECTIVE: Service Rendered On And After ~~XXXX XX, XXXX August 1, 2021~~  
ISSUED BY: /s/ Brian K. West  
TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. ~~2021-00053~~2023-00008 Dated ~~XXXX XX, XXXX August 2, 2021~~



KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1<sup>st</sup>~~2<sup>nd</sup> REVISED SHEET NO.  
7-4

CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ~~ORIGINAL~~ SHEET NO. 7-4

**TARIFF G.S.  
(General Service) (Cont'd)**

**RATE.** (Tariff Codes 204 (Metered), 213 (Unmetered))

Customer Charge.....	\$15.00 per month
Energy Charge:	
First 4,450 KWH per month.....	<del>10.90</del> <u>7</u> <del>11.675</del> ¢ per KWH
All Over 4,450 KWH per month.....	<del>10.20</del> <u>10.969</u> ¢ per KWH

**TERM OF CONTRACT.**

Contracts under this tariff may be required of customers. Contracts under this tariff will be made for an initial period of not less than 1 (one) year and shall remain in effect thereafter until either party shall give at least 6 months' written notice to the other of the intention to terminate the contract. The Company will have the right to make contracts for periods of longer than 1 (one) year.

**SPECIAL TERMS AND CONDITIONS.**

This tariff is subject to the Company's Terms and Conditions of Service.

This tariff is also available to Customers having other sources of energy supply but who desire to purchase standby or back-up electric service from the Company. Where such conditions exist the Customer shall contract for the maximum demand in KW which the Company might be required to furnish, but no less than 10 KW. The Company shall not be obligated to supply demands in excess of that contracted for. Where service is supplied under the provisions of this paragraph, the billing demand each month shall be the highest determined for the current and previous two billing periods, and the minimum charge shall be as set forth under paragraph "Minimum Charge" above.

This tariff is available for resale service to mining and industrial customers who furnish service to customer-owned camps or villages where living quarters are rented to employees and where the Customer purchases power at a single point of both their power and camp requirements.

Customers with PURPA Section 210 qualifying cogeneration and/or small power production facilities shall take service under Tariff COGEN/SPP I or II or by special agreement with the Company.

(Cont'd on Sheet No. 7-5)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
DATE EFFECTIVE: Service Rendered On And After XXXX XX, XXXX August 1, 2021  
ISSUED BY: /s/ Brian K. West  
TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. ~~2021-00053~~2023-00008 Dated ~~XXXX XX, XXXX August 2, 2021~~



KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1<sup>st</sup>~~<sup>2<sup>nd</sup></sup> REVISED SHEET NO. 7-5

CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 7-5  
**TARIFF S.G.S. – T.O.D.**  
**(Small General Service Time-of-Day Service)**

**AVAILABILITY OF SERVICE.**

Available on a voluntary, basis for general service to customers being served at secondary distribution voltage with one single-phase, multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is limited to the first 500 customers applying for service under this tariff.

Customers not meeting the requirements for availability under this tariff will be permitted to continue service under this tariff only for continuous service at the premises occupied on or prior to June 30, 2015.

**RATE.** (Tariff Code 227)

Service Charge .....	\$25.00 per month
Energy Charge:	
All KWH used during Summer on-peak billing period .....	<del>20.846</del> <sup>21.614</sup> ¢ per KWH
All KWH used during Winter on-peak billing period .....	<del>18.940</del> <sup>18.172</sup> ¢ per KWH
All KWH used during off-peak billing period .....	<del>11.279</del> <sup>12.047</sup> ¢ per KWH

For the purpose of this tariff, the on-peak and off-peak billing periods shall be defined as follows:

<u>Months</u>	On-Peak	Off-Peak
Approximate Percent (%) Of Annual Hours	16%	84%
<u>Winter Period:</u> November 1 to March 31	7:00 A.M. to 11:00 A.M. 6:00 P.M. to 10:00 P.M.	11:00 A.M. to 6:00 P.M. 10:00 P.M. to 7:00 A.M.
<u>Summer Period:</u> May 15 to September 15	Noon to 6:00 P.M.	6:00 P.M. to Noon
<u>All Other Calendar Periods</u>	None	Midnight to Midnight

NOTE: All KWH consumed during weekends are billed at the off-peak level.

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Kentucky Economic Development Surcharge	Sheet No. 24
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

(Cont'd on Sheet No. 7-6)

DATE OF ISSUE: ~~August 20, 2021~~<sup>XXXX XX, XXXX</sup>  
 DATE EFFECTIVE: Service Rendered On And After ~~XXXX XX, XXXX~~ <sup>August 1, 2021</sup>  
 ISSUED BY: /s/ Brian K. West  
 TITLE: Vice President, Regulatory & Finance  
 By Authority Of an Order of the Public Service Commission  
 In Case No. ~~2021-000532023-00008~~ Dated ~~XXXX XX, XXXX~~ <sup>August 2, 2021</sup>

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1<sup>st</sup>~~ 2<sup>nd</sup> REVISED SHEET NO. 7-7  
CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ORIGINAL SHEET NO. 7-7

**TARIFF M.G.S. – T.O.D.**  
**(Medium General Service Time-of-Day)**

**AVAILABILITY OF SERVICE.**

Available for general service to customers with average maximum demands greater than 10 KW but not more than 100 KW being served by a multi-register meter capable of measuring electrical energy consumption during variable pricing periods. Availability is limited to the first 500 customers applying for service under this tariff.

**RATE.** (Tariff Code 229)

Service Charge .....	\$ 25.00 per month
Energy Charge: All KWH used during on-peak billing period .....	<del>15.90816.676</del> ¢ per KWH
All KWH used during off-peak billing period .....	<del>7.9158.683</del> ¢ per KWH

For the purpose of this tariff, the on-peak billing period is defined as 7:00 A.M. to 9:00 P.M. for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 P.M. to 7:00 A.M. for all weekdays and all hours of Saturday and Sunday.

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the Service Charge.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Kentucky Economic Development Surcharge	Sheet No. 24
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**DELAYED PAYMENT CHARGE.**

Bills under this tariff are due and payable within fifteen (15) days of the mailing date. On all accounts not paid in full by the next billing date, an additional charge of 5% of the unpaid portion will be made.

(Cont'd on Sheet No. 7-8)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
DATE EFFECTIVE: Service Rendered On And After ~~XXXX XX, XXXX August 1, 2021~~  
ISSUED BY: /s/ Brian K. West  
TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. 2021-000532023-00008 Dated XXXX XX, XXXX August 2, 2021

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~<sup>1<sup>st</sup></sup> REVISED SHEET NO. 9-1  
 CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 9-1

**TARIFF L.G.S**  
**(Large General Service)**

**AVAILABILITY OF SERVICE.**

Available for general service to customers with average maximum demands greater than 100 KW but not more than 1,000 KW (excluding the demand served by the Load Management Time-of-Day provision).

Existing customers not meeting the above criteria will be permitted to continue service under present conditions only for continuous service at the premises occupied on or prior to December 5, 1984.

**RATE.**

	<u>Service Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	<u>Transmission</u>
Tariff Code	240, 242, 260	244, 246, 264	248, 268	250, 270
Service Charge per Month	\$ 85.00	\$ 127.50	\$ 660.00	\$ 660.00
Demand Charge per KW	\$ 8.77	\$ 7.90	\$ 6.61	\$ 6.16
Excess Reactive Charge per KVA	\$ 3.46	\$ 3.46	\$ 3.46	\$ 3.46
Energy Charge per KWH	<del>8.43</del> <sup>29.200c</sup>	<del>7.35</del> <sup>68.124c</sup>	<del>5.23</del> <sup>05.998c</sup>	<del>5.08</del> <sup>55.853c</sup>

**MINIMUM CHARGE.**

Bills computed under the above rate are subject to a monthly minimum charge comprised of the sum of the service charge and the minimum demand charge. The minimum demand charge is the product of the demand charge per KW and the monthly billing demand.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management Adjustment Clause	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Kentucky Economic Development Surcharge	Sheet No. 24
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**DELAYED PAYMENT CHARGE.**

This tariff is due and payable in full on or before the due date stated on the bill. On all accounts not so paid, an additional charge of 5% of the unpaid balance will be made.

(Cont'd on Sheet No. 9-2)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
 DATE EFFECTIVE: Service Rendered On And After XXXX XX, XXXX August 1, 2021  
 ISSUED BY: /s/ Brian K. West  
 TITLE: Vice President, Regulatory & Finance  
By Authority Of an Order of the Public Service Commission  
In Case No. ~~2021-00053~~2023-00008 Dated XXXX XX, XXXX August 2, 2021

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~<sup>1<sup>st</sup></sup> REVISED SHEET NO. 9-2  
 CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 9-2

**TARIFF L.G.S (Cont'd)**  
**(Large General Service)**

**METERED VOLTAGE.**

The rates set forth in this tariff are based upon the delivery and measurement of energy at the same voltage, thus measurement will be made at or compensated to the delivery voltage. At the sole discretion of the Company, such compensation may be achieved through the use of loss compensating equipment, the use of formulas to calculate losses or the application of multipliers to the metered quantities. In such cases, the metered KWH and KW values will be adjusted for billing purposes. If the Company elects to adjust KWH and KW based on multipliers, the adjustment shall be in accordance with the following:

- (1) Measurements taken at the low-side of a customer-owned transformer will be multiplied by 1.01.
- (2) Measurements taken at the high-side of a Company-owned transformer will be multiplied by 0.98.

**MONTHLY BILLING DEMAND.**

Billing demand in KW shall be taken each month as the highest 15-minute integrated peak in kilowatts as registered during the month by a 15-minute integrating demand meter or indicator, or at the Company's option as the highest registration of a thermal type demand meter or indicator. The monthly billing demand so established shall in no event be less than 60% of the greater of (a) the customer's contract capacity or (b) the customer's highest previously established monthly billing demand during the past 11 months.

**DETERMINATION OF EXCESS KILOVOLT-AMPERE (KVA) DEMAND.**

The maximum KVA demand shall be determined by the use of a multiplier equal to the reciprocal of the average power factor recorded during the billing month, leading or lagging, applied to the metered demand. The excess KVA demand, if any, shall be the amount by which the maximum KVA demand established during the billing period exceeds 115% of the kilowatts of metered demand.

**LOAD MANAGEMENT TIME-OF-DAY PROVISION.**

Available to customers who use energy storage devices with time-differentiated load characteristics approved by the Company which consume electrical energy only during off-peak hours specified by the Company and store energy for use during on-peak hours, and who desire to receive service under this provision for their total requirements. This provision is also available for electric vehicle charging if separately metered.

Customers who desire to separately wire their load management load to a time-of-day meter and their general-use load to a standard meter shall receive service for both under the appropriate provision of this tariff.

**RATE.** (Tariff Code 251)

Service Charge .....	\$ 85.00 per month
Energy Charge:	
All KWH used during on-peak billing period .....	14.42615.194¢ per KWH
All KWH used during off-peak billing period .....	7.8888.656¢ per KWH

For the purpose of this tariff, the on-peak billing period is defined as 7:00 A.M. to 9:00 P.M. for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 P.M. to 7:00 A.M. for all weekdays and all hours of Saturday and Sunday.

(Cont'd on Sheet No. 9-3)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
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 In Case No. ~~2021-00053~~2023-00008 Dated ~~XXXX XX, XXXX August 2, 2021~~

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup> REVISED~~ ~~1<sup>st</sup> REVISED~~ SHEET  
 NO. 9-4

CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO. 9-4

**TARIFF L.G.S. – T.O.D**  
**(Large General Service – Time of Day)**

**AVAILABILITY OF SERVICE.**

Available for general service customers with average maximum demands of 100 KW or greater. Customers may continue to qualify for service under this tariff until their 12-month average demand exceeds 1,000 KW. Availability is limited to the first 500 customers applying for service under this tariff.

**RATE.**

	<u>Service Voltage</u>			
	<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	<u>Transmission</u>
Tariff Code	256	257	258	259
Service Charge per Month	\$ 85.00	\$ 127.50	\$ 660.00	\$ 660.00
Demand Charge per KW	\$ 10.92	\$ 8.17	\$ 1.77	\$ 1.75
Excessive Reactive Charge per KVA	\$ 3.46	\$ 3.46	\$ 3.46	\$ 3.46
On-Peak Energy Charge per KWH	<del>10.28411.052</del> ¢	<del>10.14210.910</del> ¢	<del>10.05510.823</del> ¢	<del>9.96910.737</del> ¢
Off-Peak Energy Charge per KWH	<del>5.3606.128</del> ¢	<del>5.3186.086</del> ¢	<del>5.2936.061</del> ¢	<del>5.2676.035</del> ¢

For the purpose of this tariff, the on-peak billing period is defined as 7:00 A.M. to 9:00 P.M., for all weekdays Monday through Friday. The off-peak billing period is defined as 9:00 P.M. to 7:00 A.M. for all weekdays and all hours of Saturday and Sunday.

**MINIMUM CHARGE.**

Bills computed under the above rate are subject to a monthly minimum charge comprised of the sum of the service charge and the minimum demand charge. The minimum demand charge is the product of the demand charge per KW and the monthly billing demand.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Kentucky Economic Development Surcharge	Sheet No. 24
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**DELAYED PAYMENT CHARGE.**

Bills under this tariff are due and payable within fifteen (15) days of the mailing date. On all accounts not paid in full by the next billing date additional charge of 5% of the unpaid portion will be made.

(Cont'd on Sheet No. 9-5)

DATE OF ISSUE: ~~August 20, 2021~~XXXX XX, XXXX  
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KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1st~~<sup>2nd</sup> REVISED SHEET NO. 10-1  
 CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ORIGINAL SHEET NO. 10-1

**TARIFF I.G.S.  
 (Industrial General Service)**

**AVAILABILITY OF SERVICE.**

Available for commercial and industrial customers with contract demands of at least 1,000 KW. Customers shall contract for a definite amount of electrical capacity in kilowatts, which shall be sufficient to meet average maximum requirements.

**RATE.**

Service Voltage

	Secondary	Primary	Subtransmission	Transmission
Tariff Code	356	358/370	359/371	360/372
Service Charge per month	\$276.00	\$276.00	\$794.00	\$1,353.00
Demand Charge per KW				
Of monthly on-peak billing demand	\$25.88	\$22.96	\$16.33	\$16.08
Of monthly off-peak billing demand	\$ 1.80	\$ 1.78	\$ 1.76	\$ 1.75
Energy Charge per KWH	<del>2-6983.466</del> ¢	<del>2-6603.428</del> ¢	<del>2-6353.403</del> ¢	<del>2-6123.380</del> ¢
Reactive Demand Charge for each kilovar of maximum leading or lagging reactive demand in excess of 50 percent of the KW of monthly metered demand .....				\$0.69/ KVAR

For the purpose of this tariff, the on-peak billing period is defined as 7:00 AM to 9:00 PM for all weekdays, Monday through Friday. The off-peak billing period is defined as 9:00 PM to 7:00 AM for all weekdays and all hours of Saturday and Sunday.

**MINIMUM DEMAND CHARGE.**

The minimum demand charge shall be equal to the minimum billing demand times the following minimum demand rates:

<u>Secondary</u>	<u>Primary</u>	<u>Subtransmission</u>	<u>Transmission</u>
\$28.77/KW	\$25.81/KW	\$19.17/KW	\$18.88/kw

The minimum billing demand shall be the greater of 60% of the contract capacity set forth on the contract for electric service or 60% of the highest billing demand, on-peak or off-peak, recorded during the previous eleven months.

**MINIMUM CHARGE.**

This tariff is subject to a minimum charge equal to the Service Charge plus the Minimum Demand Charge.

(Cont'd on Sheet No. 10-2)

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KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1<sup>st</sup>~~ 2<sup>nd</sup> REVISED SHEET NO. 13-1  
CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ~~ORIGINAL~~ SHEET NO. 13-1

**TARIFF M.W.  
(Municipal Waterworks)**

**AVAILABILITY OF SERVICE.**

Available only to incorporated cities and towns and authorized water districts and to utility companies operating under the jurisdiction of Public Service Commission of Kentucky for the supply of electric energy to waterworks systems and sewage disposal systems served under this tariff on September 1, 1982, and only for continuous service at the premises occupied by the Customer on this date. If service hereunder is discontinued, it shall not again be available.

Customer shall contract with the Company for a reservation in capacity in kilovolt-amperes sufficient to meet with the maximum load, which the Company may be required to furnish.

**RATE.** (Tariff Code 540)

Service Charge ..... \$ 25.00 per month  
Energy Charge:  
All KWH Used Per Month ..... ~~9.800~~10.568¢ per KWH

**MINIMUM CHARGE.**

This tariff is subject to a minimum monthly charge equal to the sum of the service charge plus \$9.78 per KVA as determined from customer's total connected load.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Demand-Side Management	Sheet No. 22
Federal Tax Cut Tariff	Sheet No. 23
Kentucky Economic Development Surcharge	Sheet No. 24
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

**PAYMENT.**

Bills will be rendered monthly and will be due and payable on or before the due date stated on the bill.

**DELAYED PAYMENT CHARGE.**

Bills under this tariff are due and payable within fifteen (15) days after their mailing date. All accounts not paid in full by the next billing date will be assessed an additional charge of 5% of the outstanding unpaid portion will be made.

(Cont'd on Sheet No. 13-2)

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KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~3<sup>rd</sup>~~<sup>2<sup>nd</sup></sup> REVISED SHEET NO. 14-1  
 CANCELLING P.S.C. KY. NO. 12 ~~2<sup>nd</sup> REVISED~~ <sup>1<sup>st</sup> REVISED</sup> SHEET NO. 14-1

**TARIFF O.L.**  
**(Outdoor Lighting)**

**AVAILABILITY OF SERVICE.**

Available for outdoor lighting to individual customers in locations where municipal street lighting is not applicable. New installations of High Pressure Sodium, Mercury Vapor and Metal Halide lamps shall cease on January 14, 2021.

**BASE FUEL RATE.**

Customers receiving service under this tariff will receive bills calculated using per lamp and base fuel charge. The base fuel charge will be calculated each month as shown below by multiplying the approved base fuel amount set forth in the Company's Fuel Adjustment Clause tariff by the relevant monthly kWh value set forth in the monthly kWh table included below in the Adjustment Clauses section of this tariff.

**RATE.**

A. OVERHEAD LIGHTING SERVICE

Tariff Code

1. High Pressure Sodium

094	100 watts ( 9,500 Lumens)...	\$ 9.06	per lamp + <del>0.02612</del> <u>0.03380</u> x kWh in Sheet No. 14-5 in Company's tariff
113	150 watts ( 16,000 Lumens)...	\$ 10.33	per lamp + <u>0.03380</u> <del>0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff
097	200 watts ( 22,000 Lumens)...	\$ 12.52	per lamp + <u>0.03380</u> <del>0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff
103	250 watts ( 28,000 Lumens)...	\$ 17.84	per lamp + <del>0.02612</del> <u>0.03380</u> x kWh in Sheet No. 14-5 in Company's tariff
098	400 watts ( 50,000 Lumens)...	\$ 19.78	per lamp + <u>0.03380</u> <del>0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff

Tariff Code

2. Mercury Vapor

093	175 watts ( 7,000 Lumens)...	\$ 11.55	per lamp + <u>0.03380</u> <del>0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff
095	400 watts (20,000 Lumens)...	\$ 19.88	per lamp + <del>0.02612</del> <u>0.03380</u> x kWh in Sheet No. 14-5 in Company's tariff

Tariff Code

3. LED

150	6,000 – 8,500 Lumens	\$6.62	per lamp + <del>0.02612</del> <u>0.03380</u> x kWh in Sheet No. 14-5 in Company's tariff
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Company will provide lamp, photo-electric relay control equipment, luminaries and upsweep arm not over six feet in length, and will mount same on an existing pole carrying secondary circuits.

(Cont'd on Sheet No. 14-2)

DATE OF ISSUE: ~~November 24, 2021~~XXXX XX, XXXX  
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 In Case No. ~~XXXX-XXXX~~2023-00008 Dated XXXX XX, XXXX



KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~3<sup>rd</sup>~~ ~~2<sup>nd</sup>~~ REVISED SHEET NO.  
 14-2

CANCELLING P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ ~~1<sup>st</sup>~~ REVISED SHEET NO. 14-2

**TARIFF O.L. (Cont'd.)**  
**(Outdoor Lighting)**

**RATE. (Cont'd.)**

B. POST-TOP LIGHTING SERVICE

Tariff Code

1. High Pressure Sodium

111	100 watts ( 9,500 Lumens)...	\$ 16.42	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
122	150 watts (16,000 Lumens)...	\$ 25.83	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
121	100 watts (9,500 Lumens)...	\$ 30.00	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
120	250 watts (19,000 Lumens)...	\$ 30.07	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
126	400 watts (40,000 Lumens)...	\$ 39.47	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff

Tariff Code

2. Mercury Vapor

099	175 watts ( 7,000 Lumens)...	\$ 13.25	per lamp + <del>0.03380 0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff
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Tariff Code

3. LED

160	4,300 – 6,300 Lumens	\$19.05	per lamp + <del>0.03380 0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff
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Company will provide lamp photo-electric relay control equipment, luminaries, post, and installation including underground wiring for a distance of thirty feet from the Company's existing secondary circuits. Incremental costs of installation beyond thirty feet shall be the responsibility of the customer.

C. FLOOD LIGHTING SERVICE

Tariff Code

1. High Pressure Sodium

107	200 watts (22,000 Lumens)...	\$ 14.38	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
109	400 watts (50,000 Lumens)...	\$ 21.00	per lamp + <del>0.03380 0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff

tariff

Tariff Code

2. Metal Halide

110	250 watts (20,500 Lumens)...	\$ 17.45	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
116	400 watts (36,000 Lumens)...	\$ 21.98	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
131	1000 watts (110,000 Lumens)...	\$ 40.01	per lamp + <del>0.03380 0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff
130	250 watts Mongoose (20,500 Lumens)...	\$ 22.76	per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 14-5 in Company's tariff
136	400 watts Mongoose (36,000 Lumens)...	\$ 27.78	per lamp + <del>0.03380 0.02612</del> x kWh in Sheet No. 14-5 in Company's tariff

tariff

(Cont'd on Sheet 14-3)

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By Authority Of an Order of the Public Service Commission  
In Case No. ~~XXXX-XXXX~~2023-00008 Dated XXXX XX, XXXX

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~3<sup>rd</sup>~~ ~~2<sup>nd</sup>~~ REVISED SHEET NO. 14-3  
 CANCELLING P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ ~~1<sup>st</sup>~~ REVISED SHEET NO. 14-3

**TARIFF O.L. (Cont'd.)  
(Outdoor Lighting)**

**RATE. (Cont'd.)**

Tariff Code

	3. LED	
165	19,500 – 21,500 Lumens	\$24.75 per lamp + <del>0.03380 0.02612</del> -x kWh in Sheet No. 14-5 in Company's tariff
166	36,500 – 38,500 Lumens	\$30.40 per lamp + <del>0.03380 0.02612</del> -x kWh in Sheet No. 14-5 in Company's tariff

Company will provide lamp, photoelectric relay control equipment, luminaries, mounting bracket, and mount same on an existing pole carrying secondary circuits.

D. LED Lamp Conversion Charge

Existing outdoor lighting customers that wish to convert from non-LED lamps to new LED fixtures shall pay a monthly charge of \$3.33 per lamp replaced, per month for 84 months.

All lumen figures are based upon manufacturer estimates and may vary.

When new or additional facilities, other than those specified in Paragraphs A, B, and C, are to be installed by the Company, the customer in addition to the monthly charges, shall pay in advance the installation cost (labor and material) of such additional facilities extending from the nearest or most suitable pole of the Company to the point designated by the customer for the installation of said lamp, except that customer may, for the following facilities only, elect, in lieu of such payment of the installation cost to pay:

Wood pole.....	\$ 3.61 per month
Overhead wire span not over 150 feet.....	\$ 2.00 per month
Underground wire lateral not over 50 feet.....	\$ 6.77 per month
(Price includes pole riser and connections)	

E. FLEXIBLE LIGHTING OPTION (Tariff Code 175 for Unmetered and Tariff Code 201 for Metered)

Applicable for the installation of any outdoor area lighting system (System) on a private or public property and owned by the Company. The customer must be adjacent to an electric power line of the Company that is adequate for supplying the necessary electric service. Service for the System under this tariff shall require a contract addendum agreed to and signed by the customer. The System shall comply with the Company's terms and conditions unless otherwise noted in this section. Included in the contract addendum shall be the installed capital cost of the System and the monthly amount of kWh the System will use if it is not metered. The Company reserves the right to refuse service under this provision based on customer's creditworthiness.

(Cont'd on Sheet No, 14-4)

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KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~1<sup>st</sup>~~-2<sup>nd</sup> REVISED SHEET NO.  
14-4

CANCELLING P.S.C. KY. NO. 12 1<sup>st</sup> REVISED ORIGINAL SHEET  
NO. 14-4

**TARIFF O.L. (Cont'd.)  
(Outdoor Lighting)**

**RATE. (Cont'd.)**

Customers shall pay the monthly lamp charge for the System, a monthly maintenance charge, a non-fuel energy charge, a base fuel charge, and all applicable adjustment clauses.

Monthly Lamp Charge\* = IC x MLFCR  
Where: IC = Installed Cost of System

MLFCR = Monthly Levelized Fixed Cost Rate of 1.36% which is inclusive of return, depreciation, income taxes, property taxes and A&G expense components

Monthly maintenance charge is \$0.80 per lamp per month  
Monthly non-fuel charge is .05519 \$/kWh  
Base fuel charge is ~~0.03380~~ 0.02612 \$/kWh

Customers selecting this flexible lighting option to replace existing lamps shall also be subject to the LED Lamp Conversion Charge.

\*Customers may pay a portion of the installed cost upfront to reduce the monthly lamp charge component of the rate.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Federal Tax Cut Tariff	Sheet No. 23
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

For adjustments calculated on a per kWh basis, including those calculated under the Fuel Adjustment Clause, System Sales Clause, and the Capacity Charge tariffs, the following kWh values will be used in the calculation:

(Cont'd on Sheet No. 14-5)

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KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~3<sup>rd</sup>~~<sup>2<sup>nd</sup></sup> REVISED SHEET NO. 15-

1

CANCELLING P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~<sup>1<sup>st</sup></sup> REVISED SHEET NO. 15-1

**TARIFF S.L.**  
**(Street Lighting)**

**AVAILABILITY OF SERVICE.**

Available for lighting service for all the lighting of public streets, public highways and other public outdoor areas in municipalities, counties, and other governmental subdivisions where such service can be supplied from the existing general distribution systems. New installations of High Pressure Sodium lamps shall cease on January 14, 2021.

**BASE FUEL RATE.**

Customers receiving service under this tariff will receive bills calculated using per lamp and base fuel charge. The base fuel charge will be calculated each month as shown below by multiplying the approved base fuel amount set forth in the Company's Fuel Adjustment Clause tariff by the relevant monthly kWh value set forth in the monthly kWh table included below in the Adjustment Clauses section of this tariff.

**RATE.** (Tariff Code 528)

A. Overhead Service on Existing Distribution Poles

1. High Pressure Sodium

100 watts ( 9,500 Lumens)...	\$ 7.61 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
150 watts (16,000 Lumens)...	\$ 8.36 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
200 watts (22,000 Lumens)...	\$ 9.90 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
400 watts (50,000 Lumens)...	\$ 13.00 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff

2. LED

7,900 – 9,900 Lumens...	\$ 8.71 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
10,500 – 12,500 Lumens...	\$ 11.19 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
24,000 – 26,000 Lumens...	\$ 13.34 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Post Top 4,300 – 6,300 Lumens...	\$ 9.05 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Post Top 7,300 – 9,300 Lumens...	\$ 20.07 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Flood 19,500 – 21,500 Lumens...	\$ 14.69 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff

B. Service on New Wood Distribution Poles

1. High Pressure Sodium

100 watts ( 9,500 Lumens)...	\$ 11.90 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
150 watts ( 16,000 Lumens)...	\$ 12.75 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
200 watts ( 22,000 Lumens)...	\$ 14.30 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
400 watts ( 50,000 Lumens)...	\$ 18.35 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff

(Cont'd on Sheet No. 15-2)

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TITLE: Vice President, Regulatory & Finance

By Authority of an Order of the Public Service Commission

In Case No. 2023-00008~~XXXX-XXXX~~ Dated XXXX XX, XXXX

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~3<sup>rd</sup>~~ ~~2<sup>nd</sup>~~ REVISED SHEET NO. 15-2  
 CANCELLING P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ ~~1<sup>st</sup>~~ REVISED SHEET NO. 15-2

**TARIFF S.L. (Cont'd.)  
 (Street Lighting)**

2. LED

7,900 – 9,900 Lumens...	\$ 14.36 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
10,500 – 12,500 Lumens...	\$ 16.85 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
24,000 – 26,000 Lumens...	\$ 19.00 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Post Top 4,300 – 6,300 Lumens...	\$ 14.70 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Post Top 7,300 – 9,300 Lumens...	\$ 25.73 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Flood 19,500 – 21,500 Lumens...	\$ 20.35 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff

C. Service on New Metal or Concrete Poles\*

1. High Pressure Sodium

100 watts ( 9,500 Lumens)...	\$ 24.80 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
150 watts ( 16,000 Lumens)...	\$ 25.70 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
200 watts ( 22,000 Lumens)...	\$ 27.25 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
400 watts ( 50,000 Lumens)...	\$ 30.35 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff

2. LED

7,900 – 9,900 Lumens...	\$ 25.10 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
10,500 – 12,500 Lumens...	\$ 26.78 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
24,000 – 26,000 Lumens...	\$ 28.11 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Post Top 4,300 – 6,300 Lumens...	\$ 25.85 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Post Top 7,300 – 9,300 Lumens...	\$ 36.74 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff
Flood 19,500 – 21,500 Lumens...	\$ 29.42 per lamp + <del>0.026120.03380</del> x kWh in Sheet No. 15-4 in Company's tariff

\*Effective June 29, 2010 and thereafter these lamps are not available for new installations

D. LED Lamp Conversion Charge

Existing street lighting customers that wish to convert from non-LED lamps to a new LED fixture shall pay a monthly charge of \$2.18 per lamp replaced, per month for 84 months.

Lumen rating is based on manufacturer's rated lumen output for new lamps and may vary.

E. FLEXIBLE LIGHTING OPTION (Tariff Code 525 for Unmetered and Tariff Code 526 for Metered)

Applicable for the installation of any street lighting system (System) on a private or public property and owned by the Company. The customer must be adjacent to an electric power line of the Company that is adequate for supplying the necessary electric service. Service for the System under this tariff shall require a contract addendum agreed to and signed by the customer. The System shall comply with the Company's terms and conditions unless otherwise noted in this section. Included in the contract addendum shall be the installed capital cost of the System and the monthly amount of kWh the System will use unless the system is separately metered. The Company reserves the right to refuse service under this provision based on customer's credit worthiness.

(Cont'd on Sheet No. 15-3)

DATE OF ISSUE: ~~XXXX XX, XXXX November 24, 2021~~

DATE EFFECTIVE: ~~Service Rendered On And After XXXX XX, XXXX December 30, 2021~~

ISSUED BY: /s/ Brian K. West

TITLE: Vice President, Regulatory & Finance

By Authority of an Order of the Public Service Commission

In Case No. ~~XXXX-XXXXX2023-00008~~ Dated XXXX XX, XXXX

KENTUCKY POWER COMPANY

P.S.C. KY. NO. 12 ~~2<sup>nd</sup>~~ <sup>1<sup>st</sup></sup> REVISED SHEET NO. 15-3  
CANCELLING P.S.C. KY. NO. 12 ~~1<sup>st</sup> REVISED ORIGINAL~~ SHEET NO.  
15-3

**TARIFF S.L. (Cont'd.)  
(Street Lighting)**

Customers shall pay the monthly lamp charge for the System, a monthly maintenance charge, a non-fuel energy charge, a base fuel charge, and all applicable adjustment clauses.

Monthly Lamp Charge\* = IC x MLFCR  
Where: IC = Installed Cost of System

MLFCR = Monthly Levelized Fixed Cost Rate of 0.97% which is inclusive of return, depreciation, income taxes, property taxes and A&G expense components

Monthly maintenance charge is \$2.52 per lamp per month  
Monthly non-fuel charge is .04393 \$/kWh  
Base fuel charge is ~~0.026120~~ 0.03380 \$/kWh

Customers selecting this flexible lighting option to replace existing lamps shall also be subject to the LED Lamp Conversion Charge.

\*Customers may pay a portion of the installed cost upfront to reduce the monthly lamp charge component of the rate.

**ADJUSTMENT CLAUSES.**

The bill amount computed at the charges specified above shall be increased or decreased in accordance with the following:

Fuel Adjustment Clause	Sheet No. 5
System Sales Clause	Sheet No. 19
Franchise Tariff	Sheet No. 20
Federal Tax Cut Tariff	Sheet No. 23
Environmental Surcharge	Sheet No. 29
Capacity Charge	Sheet No. 30
School Tax	Sheet No. 33
Purchase Power Adjustment	Sheet No. 35
Decommissioning Rider	Sheet No. 38

For adjustments calculated on a per kWh basis, including those calculated under the Fuel Adjustment Clause, System Sales Clause, and the Capacity Charge tariffs, the following kWh values will be used in the calculation:

(Cont'd on Sheet No. 15-4)

DATE OF ISSUE: ~~August 20, 2021~~ XXXX XX, XXXX  
DATE EFFECTIVE: Service Rendered On And After XXXX XX, XXXX August 1, 2021  
ISSUED BY: /s/ Brian K. West  
TITLE: Vice President, Regulatory & Finance  
By Authority of an Order of the Public Service Commission  
In Case No. ~~2021-00053~~ 2023-00008 Dated ~~XXXX XX, XXXX August 2, 2021~~

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

**KPSC 1\_29** For the years ending October 31, 2021, and October 31, 2022, provide:  
a. Maximum annual system demand; and  
b. Average annual demand.

**RESPONSE**

a & b. Please see table below for requested information.

<u>Year Ending October 2021</u>		<u>Year Ending October 2022</u>	
	<b>Peak Demand</b>		<b>Peak Demand</b>
Maximum	1,065		1,187
Average	917		963

Witness: Scott E. Bishop



Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's First Set of Data Requests  
Dated September 6, 2023

**DATA REQUEST**

- KPSC 1\_30**
- a. Provide a schedule of the calculation of the 12-month average line loss by month for November 2020 through October 2022.
  - b. Describe the actions that Kentucky Power has taken to reduce line loss during this period.

**RESPONSE**

- a. Please see KPCO\_R\_KPSC\_1\_30\_Attachment1.
- b. The Company works to reduce line losses by increasing conductor size, installing more efficient transformers, employing a reactive energy corrective program, and increasing the operating voltage levels of transmission and distribution lines as reliability and capacity needs arise. These actions reduce losses at constant load and help limit losses for additional load.

Witness: Scott E. Bishop

Month	Year		Total Energy	Assoc.	System Sales	Internal	Energy Lost &	% Line
			Disposed	Company Interchange	for Resale	Energy Disposed	Unaccounted	Loss Internal
1	2		3	4	5	6=(3-4-5)	7	(7/6)
November	20	current month	465,800	-	41,721	424,079	24,149	5.694%
		12 mos. ending	5,861,980	-	392,197	5,469,783	282,969	5.173%
December	20	current month	570,219	-	17,784	552,435	32,372	5.860%
		12 mos. ending	5,875,310	-	392,804	5,482,506	284,693	5.193%
January	21	current month	588,219	-	18,345	569,874	47,579	8.349%
		12 mos. ending	5,894,403	-	383,700	5,510,703	304,979	5.534%
February	21	current month	616,883	-	101,793	515,090	29,640	5.754%
		12 mos. ending	5,988,155	-	472,279	5,515,876	311,274	5.643%
March	21	current month	482,236	-	23,624	458,612	29,633	6.461%
		12 mos. ending	6,000,384	-	470,035	5,530,349	320,034	5.787%
April	21	current month	424,051	-	20,430	403,621	18,734	4.641%
		12 mos. ending	6,013,013	-	468,005	5,545,008	319,522	5.762%
May	21	current month	436,545	-	33,873	402,672	24,255	6.024%
		12 mos. ending	5,993,600	-	461,072	5,532,528	350,051	6.327%
June	21	current month	601,144	-	157,801	443,343	27,833	6.278%
		12 mos. ending	6,119,721	-	571,004	5,548,717	345,527	6.227%
July	21	current month	646,203	-	161,756	484,447	28,267	5.835%
		12 mos. ending	6,172,096	-	647,311	5,524,785	352,836	6.386%
August	21	current month	626,229	-	132,742	493,487	28,529	5.781%
		12 mos. ending	6,271,587	-	732,541	5,539,046	343,340	6.199%
September	21	current month	498,802	-	79,749	419,053	24,914	5.945%
		12 mos. ending	6,348,330	-	805,259	5,543,071	336,873	6.077%
October	21	current month	409,413	-	30,329	379,084	12,856	3.391%
		12 mos. ending	6,365,744	-	819,947	5,545,797	328,761	5.928%
November	21	current month	462,353	-	12,028	450,325	22,802	5.063%
		12 mos. ending	6,362,297	-	790,254	5,572,043	327,414	5.876%
December	21	current month	524,811	-	36,662	488,149	33,920	6.949%
		12 mos. ending	6,316,889	-	809,131	5,507,758	328,962	5.973%
January	22	current month	694,251	-	82,193	612,058	35,752	5.841%
		12 mos. ending	6,422,921	-	872,980	5,549,941	317,135	5.714%
February	22	current month	522,900	-	25,937	496,963	32,856	6.611%
		12 mos. ending	6,328,938	-	797,123	5,531,815	320,351	5.791%
March	22	current month	482,149	-	13,333	468,816	27,362	5.836%
		12 mos. ending	6,328,851	-	786,832	5,542,019	318,080	5.739%
April	22	current month	481,912	-	69,443	412,469	25,707	6.232%
		12 mos. ending	6,386,712	-	835,846	5,550,866	325,053	5.856%
May	22	current month	481,480	-	43,329	438,151	(12,342)	-2.817%
		12 mos. ending	6,431,647	-	845,302	5,586,345	288,456	5.164%
June	22	current month	531,082	-	53,935	477,147	69,524	14.571%
		12 mos. ending	6,361,585	-	741,436	5,620,149	330,147	5.874%
July	22	current month	610,391	-	102,164	508,227	32,695	6.433%
		12 mos. ending	6,325,773	-	681,843	5,643,930	334,575	5.928%
August	22	current month	577,828	-	80,411	497,417	19,146	3.849%
		12 mos. ending	6,277,372	-	629,513	5,647,859	325,192	5.758%
September	22	current month	435,668	-	7,069	428,599	26,004	6.067%
		12 mos. ending	6,214,238	-	556,833	5,657,405	326,282	5.767%
October	22	current month	437,101	-	8,444	428,657	5,693	1.328%
		12 mos. ending	6,241,926	-	534,948	5,706,978	319,119	5.592%

Kentucky Power Company  
KPSC Case No. 2023-00008  
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**DATA REQUEST**

**KPSC 1\_31** Describe in detail any hedging or hedging related activities that Kentucky Power uses in relation to power purchases. Include an explanation as to whether the Commission approved the hedging activities or the utility implemented hedging pursuant to internal company policies. If the hedging was pursuant to internal policies, provide a copy of the policy and an explanation of how long the hedging activity has been ongoing.

**RESPONSE**

The Company purchased financial hedges for purchased power in September 2023 because, based on the Company's analysis, it was economic to do so in order to manage its exposure to market prices during planned outages at Big Sandy and both Mitchell units during that month.

The Company also currently is proposing a financial hedging program in its current base rate case, Case No. 2023-00159. That proposal is described in detail in the Direct Testimony of Company Witness Alex E. Vaughan. Generally, Mr. Vaughan describes the program as follows:

The Company proposes to use financial hedge products to mitigate the volatility of its PJM spot energy market energy purchases for its Open Energy Positions. PJM AD HUB fixed-for-floating price swaps, also known as contracts for differences, will be used to reduce customer exposure to the volatility in market prices. These forward contracts will be purchased in layers over time to match the Company's target hedge position and smooth out the impact of price volatility in the market. The hedging plan would provide the flexibility to modify or unwind executed forward contracts, as necessary, when adjustments or changes are made to the forecasted load or planned outage schedules at the Mitchell and Big Sandy generation plants. If the PJM AD HUB forward future market is not liquid enough to purchase the target hedge position, the Company may purchase financial future contracts from adjacent zones or other liquid trading hubs, such as the PJM West Hub, to fill in the short position.<sup>1</sup>

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<sup>1</sup> Direct Testimony of Alex E. Vaughan at 18-19, *Electronic Application Of Kentucky Power Company For (1) A General Adjustment Of Its Rates For Electric Service; (2) Approval Of Tariffs And Riders; (3)*

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*Approval Of Accounting Practices To Establish Regulatory Assets And Liabilities; (4) A Securitization Financing Order; And (5) All Other Required Approvals And Relief, Case No. 2023-00159 (June 29, 2023).*

Witness: Alex E. Vaughan

Kentucky Power Company  
KPSC Case No. 2023-00008  
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**DATA REQUEST**

**KPSC 1\_32** For the most recent six month period, provide in excel format with all cells visible and unprotected the peaking unit equivalent calculations.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_32\_Attachment1 through KPCO\_R\_KPSC\_1\_32\_Attachment6 for the requested calculations. The amount of purchased power associated with forced outages that is excluded from recovery in the FAC and recovered through the Purchased Power Adjustment Tariff is identified in the first tab of each attachment at the bottom of Column 16, which is labeled TOTAL FO REPLACEMENT COST EXCLUDED FROM FAC.

Witness: Alex E. Vaughan

Kentucky Power Company  
KPSC Case No. 2023-00008  
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**DATA REQUEST**

**KPSC 1\_33** Provide the most recent projected fuel requirements for the years 2023 and 2024 in tons for coal, MMBtu for natural gas, and dollars.

**RESPONSE**

1) Please see KPCO\_R\_KPSC\_1\_33\_PublicAttachment1 for the 2023 and 2024 forecast in tons and dollar for coal; and

2) Please see KPCO\_R\_KPSC\_1\_33\_PublicAttachment2 for the 2023 and 2024 forecast in MMBTUs and dollars for natural gas.

Note that these forecasts were made as of August 1, 2023.

Witness: Kimberly K. Chilcote

Witness: Clinton M. Stutler

Kentucky Power Company  
KPSC Case No. 2023-00008  
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**DATA REQUEST**

**KPSC 1\_34** Provide the most recent sales projections for the years 2023 and 2024 in kWh and dollars.

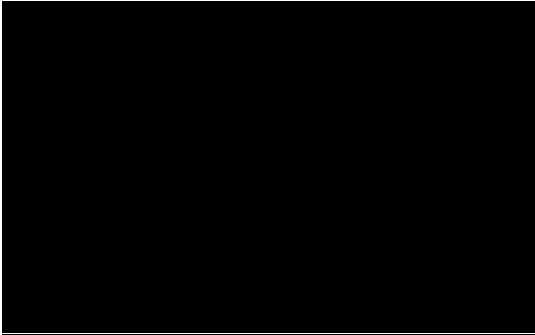
**RESPONSE**

KPCO\_R\_KPSC\_1\_34\_ConfidentialAttachment1 provides projected energy sales and revenues by sector for Kentucky Power Company for 2023 and 2024.

Witness: Scott E. Bishop

**Kentucky Power Company**  
**Forecast Energy Sales (kWh) and Revenues (\$)**

	<b>Energy Sales (kWh)</b>	
	<b>2023</b>	<b>2024</b>
<b>Residential</b>	1,983,369,602	1,903,178,325
<b>Commercial</b>	1,413,831,480	1,457,395,220
<b>Industrial</b>	2,089,806,979	2,081,639,431
<b>Other Retail</b>	9,430,739	9,396,500
<b>Total Retail</b>	<u>5,496,438,801</u>	<u>5,451,609,475</u>
<b>FERC Municipals</b>	74,487,594	76,891,812
<b>Total Sales</b>	<u><u>5,570,926,395</u></u>	<u><u>5,528,501,287</u></u>

	<b>Energy Revenues (\$)</b>	
	<b>2023</b>	<b>2024</b>
<b>Residential</b>		
<b>Commercial</b>		
<b>Industrial</b>		
<b>Other Retail</b>		
<b>Total Retail</b>		
<b>FERC Municipals</b>		
<b>Total Sales</b>		



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**DATA REQUEST**

**KPSC 1\_35** Provide the planned maintenance schedule for each of the generating units for the years 2023 and 2024.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_35\_ConfidentialAttachment1 for the requested information.

Witness: Douglas J. Rosenberger

Witness: David L. Mell

**Kentucky Power Company**  
**Fuel Adjustment Case No2023-00008**  
**Generating Unit Planned Maintenance Outages**  
**2023 and 2024**

<u>2023</u>	<u>Start Date</u>	<u>End Date</u>
Big Sandy 1		
Big Sandy 1		
Mitchell 1		
Mitchell 2		

<u>2024</u>	<u>Start Date</u>	<u>End Date</u>
Big Sandy 1		
Mitchell 1		
Mitchell 2		

Kentucky Power Company  
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**DATA REQUEST**

**KPSC 1\_36** Identify any issues that could affect fuel costs for the two-year period that remain unresolved or unsettled. Include in the response any issues related to billings from a regional transmission operator. Consider this a continuing request to inform the Commission if Kentucky Power becomes aware of any issues during the course of this proceeding.

**RESPONSE**

There are no issues known at this time.

Witness: Kimberly K. Chilcote

Witness: Alex E. Vaughan

Witness: Clinton M. Stutler

Kentucky Power Company  
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**DATA REQUEST**

- KPSC 1\_37** Provide the number of Kentucky Power's coal purchase contracts that included transportation costs and those that did not from November 1, 2020, through October 31, 2022.
- a. Explain how it is determined whether transportation costs will be included in the coal purchase contract.
  - b. When transportation is contracted for separately from the coal contract, explain whether Kentucky Power issues requests for proposals (RFP) for this service.
    - (1) If yes, state how often this occurs, how many vendors are included in the RFP, and how is it determined which vendors will receive the RFP.
    - (2) State whether Kentucky Power uses or contracts with any related parties for transportation of its coal purchases. If yes, provide the name of the related party and nature of the relationship, the period it has contracted with the party, and copies of any contracts with the related party if not previously filed with the Commission.
  - c. Explain in detail Kentucky Power's policies and procedures for entering into transportation contracts.

**RESPONSE**

- a. Kentucky Power did not have any coal purchase contracts during the period November 1, 2020 through October 31, 2022 that included transportation costs. All purchases during the Review Period made by Kentucky Power were procured on an FOB Barge basis for low sulfur coal. High sulfur coal was procured on an FOB plant basis and is delivered to the plant by conveyor.
- b. Kentucky Power does not issue Requests for Proposals for transportation services.
  - (1) Not applicable
  - (2) Kentucky Power utilizes Indiana Michigan Power Company's River Transportation Division ("Division") for barge deliveries to the Mitchell Plant. A copy of the Barge Transportation Agreement and associated amendment were filed on March 19, 2014 with the Commission. The contract is for an undefined to term. It is terminable upon written notice by Kentucky Power to the Division not less than six months prior to the termination date specified in the notice.
- c. Kentucky Power reviews the reasonableness of the Barge Transportation Agreement periodically by comparing published barge transportation terms with those under the Barge Transportation Agreement to determine the reasonableness of the Barge Transportation Agreement. The comparison considers factors such as volume, assets

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required, equipment lease costs, number of rivers transited, origins and destination,  
number of locks and dams transited.

Witness: Kimberly K. Chilcote

Kentucky Power Company  
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**DATA REQUEST**

**KPSC 1\_38** Explain how purchase power costs are accounted for in the calculation of the FAC when Kentucky Power experiences a planned generation outage and purchases power to meet load (i.e., whether the entire amount of the purchase power recorded in the calculation, or there is a limit as to the amount recorded). If there is a limit, explain the basis for the limitation and how it is calculated. If there is no limit, explain the basis for including 100 percent of the purchase power costs.

**RESPONSE**

The Company limits the amount of purchased power expense recovered through its FAC in accordance with 807 KAR 5:056, Section 1(3)(c), and the Commission's Order dated January 22, 2015 in Case No. 2014-00225.<sup>1</sup> More specifically, when Kentucky Power experiences a scheduled generation outage (whether denominated a Planned Outage or a Maintenance Outage) and purchases power to meet its load, the Company limits recovery of those purchase power costs through the FAC to the lower of "the actual energy cost of the non-economy purchased energy or the fuel cost of its highest cost generating unit available to be dispatched to serve native load during the reporting expense month (typically the value of the peaking unit equivalent valuation)."

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<sup>1</sup> Order, *In The Matter Of: An Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2013 Through April 30, 2014*, Case No. 2014-00225 (Ky. P.S.C. January 22, 2015).

Witness: Alex E. Vaughan

Kentucky Power Company  
KPSC Case No. 2023-00008  
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**DATA REQUEST**

**KPSC 1\_39** Explain how purchase power costs are accounted for in the calculation of the FAC when Kentucky Power is not experiencing a generation outage but must purchase power in order to meet demand (i.e., whether the entire amount of the purchase power recorded in the calculation, or there is a limit as to the amount recorded). If there is a limit, explain the basis for the limitation and how it is calculated. If there is no limit, explain the basis for including 100 percent of the purchase power costs.

**RESPONSE**

When Kentucky Power is not experiencing a generation outage but must purchase power in order to meet demand, the Company limits recovery of those purchase power costs through the FAC in accordance with 807 KAR 5:056, Section 1(3)(c), and the Commission's Order dated January 22, 2015 in Case No. 2014-00225.<sup>1</sup> More specifically, in those instances when Kentucky Power is not experiencing a generation outage but must purchase power in order to meet demand, the Company recovers through the FAC the lower of "the actual energy cost of the non-economy purchased energy or the fuel cost of its highest cost generating unit available to be dispatched to serve native load during the reporting expense month (typically the value of the peaking unit equivalent valuation)."<sup>2</sup>

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<sup>1</sup> Order, *In The Matter Of: An Examination Of The Application Of The Fuel Adjustment Clause Of Kentucky Power Company From November 1, 2013 Through April 30, 2014*, Case No. 2014-00225 (Ky. P.S.C. January 22, 2015).

<sup>2</sup> *Id.*

Witness: Alex E. Vaughan

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Kentucky Power Company  
KPSC Case No. 2023-00008  
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**DATA REQUEST**

- KPSC 1\_40** Provide the amount, by month, of costs excluded from recovery from the FAC related to non-economy purchases.
- a. State whether Kentucky Power otherwise recovers the excluded costs.
  - b. If Kentucky Power does recover the excluded costs, explain in detail how those costs are recovered.
  - c. Provide the amount excluded from recovery during the review period that, if applicable, will otherwise recovered.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_40\_Attachment1 for the requested information, which shows, by month, the amount of purchased power costs calculated in the PUE calculation and excluded from the FAC via the line in the monthly calculation labeled 'Purchase Adjustment for Peaking Unit Equivalent'.

a. and b. Purchased Power costs calculated in the PUE calculation and excluded from recovery through the FAC via the line in the monthly calculation labeled 'Purchase Adjustment for Peaking Unit Equivalent' are not included in the revenue requirement of any rider and are recoverable through base rates. The Company recovers those costs through base rates if approved by the Commission.

c. Not applicable

Witness: Alex E. Vaughan



Kentucky Power Company  
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**DATA REQUEST**

**KPSC 1\_41** Provide the amount of current FAC fuel procurement or purchase power costs that is included in Kentucky Power's base rates.

**RESPONSE**

The Company's base rates include \$147,670,227 of fuel and purchased power costs, as shown in Section V, Exhibit 2, Page 7 in the Company's last base rate case, Case No. 2020-00174.

Witness: Alex E. Vaughan

Kentucky Power Company  
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**DATA REQUEST**

**KPSC 1\_42** Provide the amount of non-FAC fuel procurement or purchase power costs that are otherwise recovered in Kentucky Power's base rates.

**RESPONSE**

Please see the Company's response to Staff 1-40. The Company has not identified any other non-FAC fuel procurement or purchase power costs that are otherwise recovered in Kentucky Power's base rates.

Witness: Alex E. Vaughan



### Chilcote Testimony Verification Form.doc

DocVerify ID: 745D417F-BBA8-46EE-90FB-F5EDA4949548  
 Created: October 03, 2023 11:53:46 -8:00  
 Pages: 2  
 Remote Notary: Yes/ State: KY

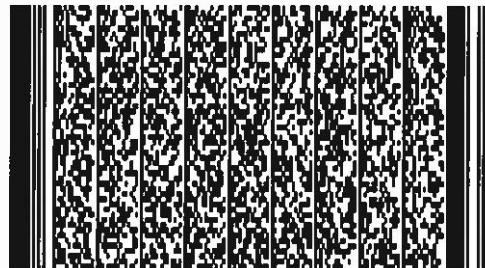
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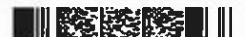
#### E-Signature Summary

**E-Signature 1: Kimberly Chilcote (KKC)**  
 October 04, 2023 07:09:13 -8:00 [3FA41F28638D] [167.239.221.107]  
 kkchilcote@aep.com (Principal) (Personally Known)

**E-Signature Notary: Marilyn Michelle Caldwell (MMC)**  
 October 04, 2023 07:09:13 -8:00 [E061569500B5] [167.239.221.107]  
 mmcaldwell@aep.com  
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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### VERIFICATION

The undersigned, Kimberly K. Chilcote, being duly sworn, deposes and says she is a Coal Procurement Manager for American Electric Power Service Corporation, that she 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 her information, knowledge, and belief.

Kimberly Chilcote  
Signed on 2023 10/04 07:08:12 -0500

\_\_\_\_\_  
Kimberly K. Chilcote

Commonwealth of Kentucky )

) Case No. 2023-00008

County of Boyd )

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Kimberly K. Chilcote, on October 4, 2023.

\_\_\_\_\_  
Notary Public

Marilyn Michelle Caldwell  
Signed on 2023 10/04 07:08:12 -0500

**MARILYN MICHELLE CALDWELL**  
ONLINE NOTARY PUBLIC  
STATE AT LARGE KENTUCKY  
Commission # KYNP71841  
My Commission Expires May 05, 2027

Notarial act performed by audio-visual communication

My Commission Expires May 5, 2027

Notary ID Number KYNP71841

745D417F-BBA8-46EE-90FB-F5EDA4949548 --- 2023/10/03 11:53:46 -8:00 --- Remote Notary





### Stutler Discovery Verification Form.doc

DocVerify ID: 692BBD23-3FB4-400E-83A5-6142410D33B6  
 Created: October 03, 2023 11:47:44 -8:00  
 Pages: 2  
 Remote Notary: Yes / State: KY

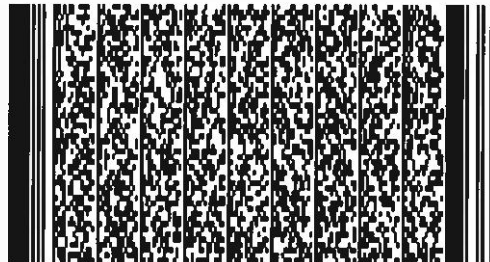
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#### E-Signature Summary

**E-Signature 1: Clinton M. Stutler (CMS)**  
 October 04, 2023 05:59:49 -8:00 [33C17D74704B] [167.239.221.104]  
 cmstutler@aep.com (Principal) (Personally Known)

**E-Signature Notary: Marilyn Michelle Caldwell (MMC)**  
 October 04, 2023 05:59:49 -8:00 [B9CA213E6802] [167.239.221.107]  
 mmcaldwell@aep.com  
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



VERIFICATION

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

Clinton M. Stutler  
Signed on 2023-10-04 09:53:49 -0500

Clinton M. Stutler

Commonwealth of Kentucky )  
 )  
County of Boyd )

Case No. 2023-00008

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Clinton M. Stutler, on October 4, 2023.

*Marilyn Michelle Caldwell*

Notary Public

MARILYN MICHELLE CALDWELL  
ONLINE NOTARY PUBLIC  
STATE AT LARGE KENTUCKY  
Commission # KYNP71841  
My Commission Expires May 05, 2027

My Commission Expires May 5, 2027 No larial act performed by audio-visual communication

Notary ID Number KYNP71841

692BBD23-3FB4-400E-83A5-6142410D33B6 ... 2023/10/03 11:47:44 -8:00 ... Remote Notary

**VERIFICATION**

The undersigned, Scott E. Bishop, being duly sworn, deposes and says he is the Regulatory Consultant Senior for Kentucky Power, 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 her information, knowledge, and belief.

*Scott E. Bishop*  
Scott E. Bishop

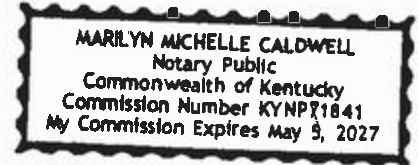
Commonwealth of Kentucky )  
  )      Case No. 2023-00008  
County of Boyd                 )

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Scott E. Bishop, on October 4, 2023

*Marilyn Michelle Caldwell*  
Notary Public

My Commission Expires May 5, 2027

Notary ID Number KYNP 71841



**VERIFICATION**

The undersigned, Alex E. Vaughan, being duly sworn, deposes and says he is the Managing Director for Renewables and Fuel Strategy for American Electric Power Service Corporation that he has personal knowledge of the matters set forth in the foregoing responses and the information contained therein is true and correct to the best of his information, knowledge, and belief.

  
Alex E. Vaughan

Franklin County )  
Ohio )

Case No. 2023-00008

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Alex E. Vaughan, on 10-5-23.



Notary Public



**Paul D. Flory**  
Attorney At Law  
Notary Public, State of Ohio  
My commission has no expiration date  
Sec.147.03 R.C.

My Commission Expires Never

Notary ID Number No ID





### Mell Testimony Verification Form.doc

DocVerify ID: 2D67CDA5-08A4-475D-90A2-0509E16132CE  
 Created: October 03, 2023 08:42:37 -8:00  
 Pages: 2  
 Remote Notary: Yes/ State: KY

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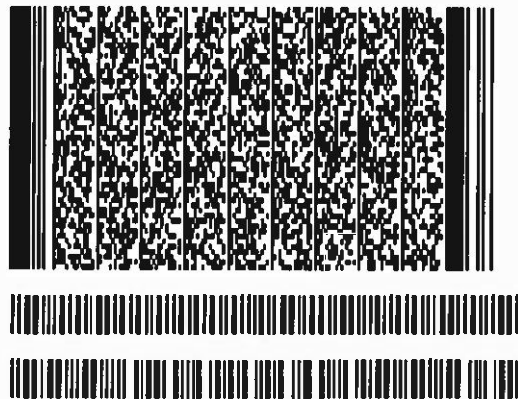
#### E-Signature Summary

**E-Signature 1: David L Mell (DLM)**

October 03, 2023 10:07:21 -8:00 [D058510638A8] [167.239.221.105]  
 dlmell@aep.com (Principal) (Personally Known)

**E-Signature Notary: Marilyn Michelle Caldwell (MMC)**

October 03, 2023 10:07:21 -8:00 [33459EE693C3] [167.239.221.107]  
 mmcaldwell@aep.com  
 I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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**VERIFICATION**

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

David L. Mell  
\_\_\_\_\_  
David L. Mell

Commonwealth of Kentucky )  
 )  
County of Boyd )

Case No. 2023-00008

Subscribed and sworn to before me, a Notary Public in and before said County and State, by David L. Mell, on October 3, 2023.

\_\_\_\_\_  
Notary Public

*Marilyn Michelle Caldwell*

**MARILYN MICHELLE CALDWELL**  
ONLINE NOTARY PUBLIC  
STATE AT LARGE KENTUCKY  
Commission # KYNP71841  
My Commission Expires May 05, 2027

Notarial act performed by audio-visual communication

My Commission Expires May 5, 2027

Notary ID Number KYNP71841

2023/10/03 08:42:37 -8:09 ... Remote Notary





### Rosenberger Discovery Verification Form.doc

DocVerify ID: F7B9EA24-EF2A-47AD-BA08-9D3EF304F07E  
 Created: September 29, 2023 12:39:11 -8:00  
 Pages: 1  
 Remote Notary: Yes / State: KY

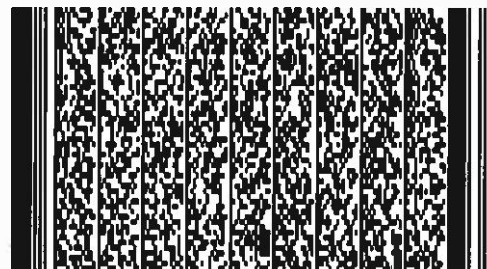
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#### E-Signature Summary

**E-Signature 1: Douglas J Rosenberger (DJR)**  
 October 03, 2023 11:08:20 -8:00 [369C4D5B6B81][167.239.221.106]  
 djrosenberger@aep.com (Principal) (Personally Known)

**E-Signature Notary: Marilyn Michelle Caldwell (MMC)**  
 October 03, 2023 11:08:20 -8:00 [F9DC12688FA5] [167.239.221.107]  
 mmcaldwell@aep.com  
 Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



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**VERIFICATION**

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

Douglas J Rosenberger  
Signed on 10/03/2023 11:08:00 AM

Douglas J. Rosenberger

Commonwealth of Kentucky )  
 )  
County of Boyd )

Case No. 2023-00008

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Douglas J. Rosenberger, on October 3, 2023.

Marilyn Caldwell  
Signed on 10/03/2023 11:08:00 AM

Notary Public

**MARILYN MICHELLE CALDWELL**  
ONLINE NOTARY PUBLIC  
STATE AT LARGE KENTUCKY  
Commission # KYNP71841  
My Commission Expires May 05, 2027  
Signed on 10/03/2023 11:08:00 AM

My Commission Expires May 5, 2027 Notarial act performed by audio-visual communication

Notary ID Number KYNP71841

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