

Kentucky Power Company  
KPSC Case No. 2026-00071  
Commission Staff's First Set of Data Requests  
Dated April 22, 2026

**DATA REQUEST**

**KPSC 1\_1** Prepare a summary schedule showing the calculation of E(m) and the surcharge factor for the expense months under review. ES Form 1.00 and 1.10 can be used as a model for this summary. Include the two expense months subsequent to the specific review period that is the subject of this proceeding in order to show the over- and under-recovery adjustments for the months included for each of the periods under review. Include a calculation of any additional over- or under-recovery amount Kentucky Power believes needs to be recognized for the six-month review. Provide the schedule and all supporting calculations and documentation in Excel spreadsheet format with all formulas, columns, and rows unprotected and fully accessible.

**RESPONSE**

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

Witness: John D. Cullop

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**DATA REQUEST**

**KPSC 1\_2** The net gain or loss from sulfur dioxide and nitrogen oxide emission allowance sales is reported on ES Form 3.00, Calculation of Current Period Revenue Requirement, Second Component. For each expense month of the specific period under review, provide an explanation of how the gain or loss reported in the expense month was calculated and describe the transaction(s) that was the source of the gain or loss.

**RESPONSE**

Kentucky Power had no net gains or losses resulting from sales of emission allowances during the review period.

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**DATA REQUEST**

- KPSC 1\_3** Refer to ES Form 3.10, Mitchell Environmental Costs for each of the expense months of the specific periods under review. Explain the reason(s) for any change in the expense levels from month to month if that change is greater than plus or minus 10 percent for each of the following operating and maintenance costs listed:
- a. Line 22 Monthly Disposal (5010000)
  - b. Line 24 Monthly Urea Expense (5020002)
  - c. Line 25 Monthly Trona Expense (5020003)
  - d. Line 26 Monthly Lime Stone Expense (5020004)
  - e. Line 27 Monthly Polymer Expense (5020005)
  - f. Line 28 Monthly Lime Hydrate Expense (5020007)
  - g. Line 29 Monthly WV Air Emission Fee
  - h. Line 35 Monthly FGD Maintenance Expense
  - i. Line 36 Monthly Non-FGD Maintenance Expense

**RESPONSE**

a. Monthly Disposal. Monthly disposal expense reflects revenues derived from sales of gypsum to the neighboring wallboard plant. The variations during the review period reflect monthly changes in the wallboard plant's demand for gypsum from the Mitchell generating station.

b & d. Urea and Limestone. Usage of urea and limestone at Mitchell Plant varies directionally (but not necessarily directly) with changes in the level of plant operation, including variations resulting from outages and deratings. For example, no net generation occurred at Mitchell Unit 2 in September 2025, which reduced urea and limestone expenses during that month.

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c, e, & f. Trona, Lime Hydrate, and Polymer. Trona, lime hydrate, and polymer are expensed upon delivery to the plant. The monthly variations in these consumable expenses reflect the monthly variations in the deliveries of those three consumables to the plant.

g. Air Emission Fees. Kentucky Power receives an invoice for West Virginia Department of Environmental Protection air emission fees once annually and includes 1/12 of the annual total in each monthly filing. The invoices are booked to the general ledger in July of each year.

h & i. Maintenance Expense. The monthly variations in maintenance expense result primarily from variation in maintenance activities at the Plant. Plant management makes maintenance decisions to ensure the safe, reliable, and compliant operation of the Mitchell Plant.

More specifically, FGD maintenance events during the review period that led to monthly variability included:

Year - Month	FGD Equipment Maintenance	Sum of Act \$
2025 - (12) Dec	UREA SOLUTION STORAGE TANK	\$ 17,840
2025 - (12) Dec	ABSORBER AREA SUMP AGITATOR MOTOR, FGD	\$ 16,817
2025 - (12) Dec	BALL MILL A, FGD	\$ 11,581
2025 - (12) Dec	BALL MILL B REAGENT SLURRY CLASSIFIER, FGD	\$ 10,055
2025 - (11) Nov	PRIMARY CLARIFIER SLUDGE PUMP 2, CPS	\$ 8,929
2025 - (11) Nov	ABS DUCT WORK	\$ 8,379
2025 - (11) Nov	FGD WW INST/CTRL	\$ 7,733
2025 - (10) Oct	LIMESTONE CONVEYOR BC4	\$ 10,167
2025 - (10) Oct	UREA SOLUTION FEED PUMP 1	\$ 8,822
2025 - (10) Oct	EQUALIZED WASTEWATER PUMP 1 MOTOR, CPS	\$ 7,941
2025 - (09) Sep	ABSORBER RECYCLE PUMP 2A, FGD, AR	\$ 15,104
2025 - (09) Sep	ABS RECYCLE PUMP	\$ 15,024
2025 - (09) Sep	ABSORBER AREA SUMP AGITATOR MOTOR, FGD	\$ 13,911
2025 - (09) Sep	ABSORBER RECYCLE PUMP 2E GEARBOX , FGD, AR, REDUCE	\$ 13,881
2025 - (09) Sep	ABS PIPE/VALV	\$ 8,505
2025 - (08) Aug	FILTER PRESS 2, CPS	\$ 7,473
2025 - (07) Jul	FGD WW FILTER PRESS	\$ 27,656
2025 - (07) Jul	VACUUM BELT FILTER C, FGD	\$ 11,925
2025 - (07) Jul	GYP SUM CONVEYOR BC14	\$ 9,053
2025 - (07) Jul	UREA SOLUTION FEED PUMP 1	\$ 8,723

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Similarly, for non-FGD Maintenance expenses, expenses varied in connection with changes in maintenance activity. Additional maintenance events during the review period that led to monthly variability included:

Year - Month	Non-FGD Equipment Maintenance	Amount (Approx.)
2025 - (12) Dec	PRECIP STRUCTURE	\$ 30,476
2025 - (12) Dec	CEMS	\$ 23,648
2025 - (12) Dec	WBA-CLINKER GRINDER	\$ 10,191
2025 - (12) Dec	WASTE WATER SUMP PUMP NO2 U1	\$ 9,438
2025 - (11) Nov	PRECIP STRUCTURE	\$ 16,197
2025 - (10) Oct	PRECIPITATOR BOX NO4 U2	\$ 120,956
2025 - (10) Oct	CEMS	\$ 11,953
2025 - (09) Sep	PRECIPITATOR BOX NO4 U2	\$ 115,661
2025 - (09) Sep	WASTE WATER TREATING SYSTEM	\$ 20,631
2025 - (09) Sep	CEMS	\$ 12,325
2025 - (09) Sep	DFA TRANSPORT-VACUUM	\$ 11,251
2025 - (08) Aug	DFA TRANSPORT-VACUUM	\$ 23,125
2025 - (08) Aug	WASTE WATER TREATING SYSTEM	\$ 16,313
2025 - (08) Aug	CEMS	\$ 14,883
2025 - (08) Aug	UNIT 2 DRY BOTTOM ASH CLINKER GRINDERS ALL	\$ 10,099
2025 - (07) Jul	WASTE WATER TREATING SYSTEM	\$ 56,382
2025 - (07) Jul	CEMS	\$ 32,252
2025 - (07) Jul	PRECIP HOPPERS	\$ 10,162
2025 - (07) Jul	SCR CATALYST	\$ 9,271
2025 - (07) Jul	DFA TRANSPORT-VACUUM	\$ 8,643

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**DATA REQUEST**

**KPSC 1\_4** Refer to ES Form 3.40 A – D for each expense month covered by the billing period under review.

a. For the six-month review period, provide the calculation that supports the total cost of allowances consumed that is then carried to ES Form 3.10.

b. Provide an explanation and the reasons for any fluctuations greater than plus or minus 10 percent in the monthly average cost of allowances determined in Item 4.

**RESPONSE**

Please see KPCO\_R\_KPSC\_1\_4\_Attachment1 for the requested information.

Witness: John D. Cullop

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**DATA REQUEST**

**KPSC 1\_5** Provide the average residential customer's monthly usage as of December 31, 2025. Based on this usage amount, provide the dollar impact any over- or under-recovery will have on the average residential customer's bill for the recovery periods. Provide the schedule and all supporting calculations and documentation in Excel spreadsheet format with all formulas, columns, and rows unprotected and fully accessible.

**RESPONSE**

The 12-month average residential customer's monthly usage as of December 31, 2025 was 1,217 kWh.

The Company is not proposing any adjustments to the environmental costs for the review period in this proceeding.

Witness: John D. Cullop

