

Kentucky Power Company  
KPSC Case No. 2023-00008  
Commission Staff's Post Hearing Fourth Set of Data Requests  
Dated September 18, 2024  
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**DATA REQUEST**

- KPSC PHDR 4\_1** Refer to Kentucky Power's response to Commission Staff's Third Post-Hearing Request for Information, Item 1. Using the same Excel file that Kentucky Power filed in its response to Item 1, provide the following with all formulas, rows, columns, and cells unprotected and fully accessible:
- a. The hourly price of energy purchased (\$/MWh);
  - b. The hourly real time locational marginal price (LMP) of Mitchell 1 and Mitchell 2;
  - c. A breakdown of the components making up the cost-based offer, including fuel costs; and
  - d. The hourly LMP prices at which Mitchell 1 and Mitchell 2 were called by PJM to run.

**RESPONSE**

Please refer to the Company's response to KPSC PHDR 3-1 for a discussion of the constraints experienced in the coal market during the review period and how the Company's coal conservation offer strategy implemented during the review period made the best use of Kentucky Power's generating asset in light of the coal industry's inability to produce coal at sufficient levels to meet demand.

- a. Please refer to KPCO\_R\_KPSC\_PHDR\_4\_1\_ConfidentialAttachment1 Column Z for the requested information which is the same hourly amounts included in KPCO\_R\_KPSC\_PHDR\_3\_1\_ConfidentialAttachment1.
- b. Please refer to KPCO\_R\_KPSC\_PHDR\_4\_1\_ConfidentialAttachment1 Column K and Column U for the hourly real time locational marginal price ("LMP") of Mitchell 1 and Mitchell 2. It should be noted that PJM's energy market is a "two settlement" market. The volumes of generation cleared day ahead are settled using the corresponding day ahead LMP. Deviations during the operating day from day ahead cleared volumes of generation are settled in the "balancing settlement" using the corresponding real time LMP.
- c. Please refer to KPCO\_R\_KPSC\_PHDR\_4\_1\_ConfidentialAttachment1. The columns labeled in row 5 of the workbook as C1-C22 contain the requested information.

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d. Please refer to KPCO\_R\_KPSC\_PHDR\_4\_1\_ConfidentialAttachment1 which contains the hours that the Mitchell units were committed to the market on an economic basis, the hours in which the Mitchell units produced energy, and the associated day ahead LMPs.

Witness: Alex E. Vaughan

KPCO\_R\_KPSC\_PHDR\_4\_1\_ConfidentialAttachment1 is redacted in its entirety.



### Vaughan Discovery Verification Form.doc

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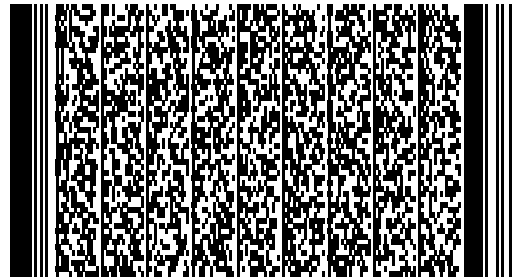
**E-Signature 1: Alex Vaughan (AEV)**

September 27, 2024 05:22:24 -8:00 [001825C2DC07] [161.235.221.106]  
aevaughan@aep.com (Principal) (Personally Known)

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

September 27, 2024 05:22:24 -8:00 [5BA142CDCD56] [167.239.221.104]  
mmcaldwell@aep.com

I, Marilyn Michelle Caldwell, did witness the participants named above electronically sign this document.



## VERIFICATION

The undersigned, Alex E. Vaughan, being duly sworn, deposes and says he is the Managing Director Regulated Pricing – Generation 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 Vaughan*  
Signed on 2024/09/27 05:22:24 -8:00

\_\_\_\_\_  
Alex E. Vaughan

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 Alex E. Vaughan, on September 26, 2024 .

*Marilyn Michelle Caldwell*  
Signed on 2024/09/27 05:22:24 -8:00

\_\_\_\_\_  
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 Notarial act performed by audio-visual communication

Notary ID Number KYNP71841

E7BF5BE9-4064-4D59-A5C8-D727300948DD --- 2024/09/26 09:32:19 -8:00 --- Remote Notary