

Kentucky Power Company
KPSC Case No. 2025-00175
AG-KIUC's Post Hearing Data Requests
Dated November 21, 2025

DATA REQUEST

AG-KIUC Please re-run the relevant portions of Mr. Vaughan's economic analysis
PHDR_1 for 2029-2031 using the PJM BRA capacity price for 2026/2027 of
 \$329.17/MW-day.

RESPONSE

Please see KPCO_R_AG_KIUC_PHDR_1_ConfidentialAttachment1. The total costs for Alternative 2 and Alternative 3 are higher than the total costs identified for Alternative 2 and Alternative 3 in the as-filed analysis given the rise in capacity price in the 2026/2027 capacity auction compared to the capacity price in the 2025/2026 capacity auction used in the as-filed analysis.

	2029	2030	2031	Total
Alternative 1 - Mitchell				
Mitchell COS	\$ 86,378,348	\$ 113,272,572	\$ 135,755,059	\$ 335,405,979
Alternative 2 - PPAs				
Thermal PPAs from RFP	\$ 91,930,560	\$ 93,830,569	\$ 91,769,822	
Remaining NBV Recovery	\$ 75,154,986	\$ 72,045,688	\$ 68,936,390	
Total Cost	\$ 167,085,546	\$ 165,876,257	\$ 160,706,212	\$ 493,668,015
Alternative 3 -Market				
Remaining NBV Recovery	\$ 75,154,986	\$ 72,045,688	\$ 68,936,390	
Replacement Market Energy	\$ 224,514,595	\$ 176,454,655	\$ 140,564,210	
Replacement Market Capacity	\$ 72,411,761	\$ 72,912,138	\$ 73,269,551	
Total Cost	\$ 372,081,342	\$ 321,412,482	\$ 282,770,151	\$ 976,263,975

Witness: Alex E. Vaughan

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AG-KIUC If securitization legislation is enacted and the eligible ELG costs, non-
PHDR_2 ELG costs and the net book value of Mitchell are all securitized
 (approximately \$600 million), please provide an estimate of how the
 economics of the Settlement in this case would improve.

RESPONSE

Assuming that approximately \$600 million of Mitchell Plant net book value would be securitized, Alternative 1 (continuing to receive energy and capacity from the Mitchell Plant) would be approximately \$148 million lower cost over the 2029-2031 period included in Company Witness Vaughan's Table AEV 1. Referring to Table AEV 1, this would make Alternative 1 the lowest cost option for customers by approximately \$284 million.

Witness: Alex E. Vaughan

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AG-KIUC Taking into account the recovery of the \$20.1 million of non-ELG capital
PHDR_3 costs, would Alternative 1 still be least cost for the period 2029-2031?

RESPONSE

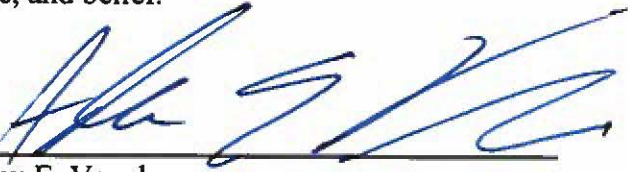
Taking into account the recovery of the \$20.1 during the 2026-2028 period, Alternative 1 is the lowest cost option for the 2029-2031 period by an estimated \$126 million.

Furthermore, taking into account the proposed settlement, the updates to the market alternatives requested in AG PHDR 1, and the total recoveries of the ELG and non-ELG catch up payment during the 2026-2028 period, Alternative 1 remains the lowest cost option for customers by an estimated \$116 million.

Witness: Alex E. Vaughan

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 E. Vaughan

_____)
_____)
_____)

Case No. 2025-00175

Subscribed and sworn to before me, a Notary Public in and before said County and State, by Alex E. Vaughan, on December 1, 2025.



Notary Public

My Commission Expires Does not expire

Notary ID Number



HAYDEN CAPACE
NOTARY PUBLIC - OHIO