

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC APPLICATION OF EAST)	
KENTUCKY POWER COOPERATIVE, INC. FOR)	
APPROVAL TO AMEND ITS ENVIROMENTAL)	CASE NO.
COMPLIANCE PLAN AND RECOVER COSTS)	2024-00109
PURSUANT TO ITS ENVIROMENTAL)	
SURCHARGE, AND FOR THE ISSUANCE OF A)	
CERTIFICATE OF PUBLIC CONVENIENCE AND)	
NECESSITY AND OTHER GENERAL RELIEF)	

RESPONSES TO COMMISSION’S THIRD INFORMATION REQUEST
TO EAST KENTUCKY POWER COOPERATIVE, INC.

DATED AUGUST 22, 2024

EAST KENTUCKY POWER COOPERATIVE, INC.
CASE NO. 2024-00109
THIRD REQUEST FOR INFORMATION RESPONSE

COMMISSION'S THIRD REQUEST DATED AUGUST 22, 2024

REQUEST 1

RESPONSIBLE PARTY: Craig Johnson

Request 1. Refer to the Application, page 6, paragraph 12. It states that the four units at the Spurlock Station are among the least expensive electric generation in the EKPC fleet and have maintained favorable capacity factors in the PJM RPM Capacity Market. For the year 2023, provide Spurlock's variable production costs (mills/net kwh).

Response 1. For the year 2023, Spurlock's variable production costs are 45.69 mills/net kwh.

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Request 2. For the year 2023, provide a performance profile for each of the Spurlock Generating Units outlining the following criteria:

- a. Equivalent availability factor;
- b. Equivalent forced outage rate;
- c. NERC GADS reports;
- d. Capacity factor;
- e. Heat rate;
- f. Rated maximum load capability; and
- g. Rated dependable minimum load capability.

Response 2. For the year 2023, the performance profile for each of the Spurlock Generating Units is as follows:

	Spur 1	Spur 2	Spur 3	Spur 4
Equivalent availability factor	68.5	82.48	87.25	84.98
Equivalent forced outage rate	1.75	1.93	0.55	1.32
NERC GADS reports	Attached			
Capacity factor	50.86	63.26	70.75	71.28
Heat rate	10,810	10,547	9,620	9,892

Rated maximum load capability	300	510	268	268
Rated dependable minimum load capability	145	260	140	180