

Kentucky Power Company
KPSC Case No. 2026-00001
Sierra Club's First Set of Data Requests
Dated March 20, 2026
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DATA REQUEST

- SC 1_15** With reference to Coon Exhibit NMC-1, provide the following data for the new gas combined-cycle plant in option 2 for each year 2031–2040:
- a. Nameplate capacity (MW)
 - b. Accredited capacity (MW)
 - c. Annual generation (MWh)
 - d. Sustaining capital expenditures (\$/year)
 - e. Fixed operations and maintenance (\$/year)
 - f. Non-fuel variable operations and maintenance (\$/MWh)
 - g. Heat rate (MMBtu/MWh)
 - h. Fuel cost (\$/MMBtu)
 - i. Forced or random outage rate

RESPONSE

The Company did not undertake the requested analysis. Please see KPCO_R_KPSC_1_10_ConfidentialAttachment3 on the “CC cost” tab for cost items included in the revenue requirement.

April 17, 2026 Supplemental Response

The Company modeled a 1200 MW CC on the “CC Cost” tab in KPCO_R_KPSC_1_10_ConfidentialAttachment3 and then divided the costs by two throughout the analysis. The below table summarizes the nameplate capacity and accredited capacity. The accredited capacity uses the same methodology and PJM ELCC source as identified in KPCO_R_SC_1_10_Attachment1.

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Year	2031	2032	2033	2034	2035
Nameplate Capacity (MW)	600	600	600	600	600
Accredited Capacity (MW)	454	460	466	468	468

Witness: Nicole M. Coon

