

COMMONWEALTH OF KENTUCKY
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC MONITORING OF)
LOUISVILLE GAS AND ELECTRIC AND)
KENTUCKY UTILITIES COMPANY'S MILL) **CASE NO. 2025-00313**
CREEK 6 UNIT)

RESPONSE OF
LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY
TO
THE ATTORNEY GENERAL'S INITIAL DATA REQUESTS

DATED MAY 21, 2026

FILED: JUNE 5, 2026

VERIFICATION

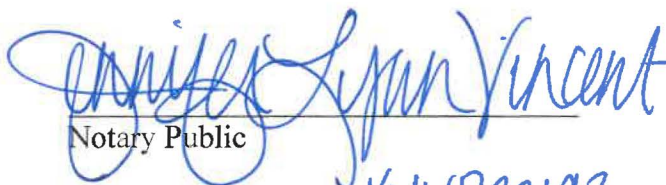
COMMONWEALTH OF KENTUCKY)
)
COUNTY OF JEFFERSON)

The undersigned, **John Bevington**, being duly sworn, deposes and says that he is Senior Director – Business and Economic Development for PPL Services Corporation and he provides services to Louisville Gas and Electric Company and Kentucky Utilities Company, that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge, and belief.



John Bevington

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 1st day of June 2026.

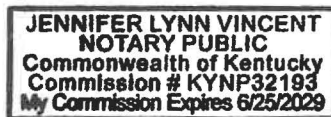


Notary Public

Notary Public ID No. KYNP32193

My Commission Expires:

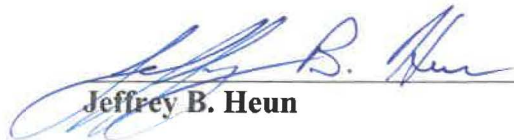
06-25-2029




VERIFICATION

COMMONWEALTH OF KENTUCKY)
)
COUNTY OF JEFFERSON)

The undersigned, **Jeffrey B. Heun**, being duly sworn, deposes and says that he is Senior Director – Project Engineering for Kentucky Utilities Company and Louisville Gas and Electric Company and an employee of LG&E and KU Services Company, that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge, and belief.


Jeffrey B. Heun

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 2nd day of June 2026.


Notary Public
Notary Public, ID No. KYNP4577

My Commission Expires:

April 1, 2028



VERIFICATION

COMMONWEALTH OF KENTUCKY)
)
COUNTY OF JEFFERSON)

The undersigned, **Charles R. Schram**, being duly sworn, deposes and says that he is Vice President –Energy Supply and Analysis for Kentucky Utilities Company and Louisville Gas and Electric Company and is an employee of LG&E and KU Services Company, that he has personal knowledge of the matters set forth in the responses for which he is identified as the witness, and the answers contained therein are true and correct to the best of his information, knowledge, and belief.

Charles R. Schram

Charles R. Schram

Subscribed and sworn to before me, a Notary Public in and before said County and State this 1st day of June 2026.

Jennifer Lynn Vincent

Notary Public
Notary Public ID No. KYNP32193

My Commission Expires:

06-25-2029



**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 1

Responding Witness: Charles R. Schram

Q-1. Identify the docket into which the Companies filed their most recent load forecast.

A-1. The Admin Case 387 (resource assessment) filing on March 31, 2026 provided a five-year look at peak load demand in both a base and high load scenario. The update provided in this docket in March 2026 used the economic development load forecast from the March 31, 2026 Admin Case 387 filing. Prior to this case, CPCN Case No. 2025-00045 provided a comprehensive long-term forecast used for resource planning.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 2

Responding Witness: John Bevington / Charles R. Schram

- Q-2. Explain whether there have been any significant changes to the load forecast referenced in the question immediately above. If so, provide a summary of those changes.
- A-2. See the response to Question No. 12. The Economic Development pipeline remains highly active and reflects increasing interest. Outside of Economic Development, the forecast remains largely consistent with prior projections for total energy, as well as summer and winter peak demand.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 3

Responding Witness: Jeffrey B. Heun

- Q-3. Confirm that the external engineering contractor the Companies have retained for the Mill Creek 6 (MC 6) project is the same external contractor the Companies are using for the Mill Creek 5 (MC 5) and Brown 12 projects.
- A-3. Confirmed, the Companies are utilizing HDR Engineering Inc. ("HDR") as the Owners Engineer ("OE") for the referenced projects.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 4

Responding Witness: Jeffrey B. Heun

Q-4. For purposes of this public record, explain the following terms as utilized in the Companies' handout for the April 21, 2026 Semi-Annual Update:

- a. "1X1 Single Shaft NGCC;"
- b. "Power Island," and "Power Island Agreement"

A-4.

- a. A "1X1 Single Shaft NGCC" is a natural gas combined cycle power plant that utilizes one gas turbine and one steam turbine working together to generate electricity. "Single Shaft" means both turbines are mechanically connected to the same generator.
- b. A "Power Island" is the equipment provided by GE Vernova Operations LLC ("GEV") the Original Equipment Manufacturer ("OEM"). The major equipment includes but is not limited to the Gas Turbine ("GT"), Generator, Steam Turbine ("ST"), Condenser, and Heat Recovery Steam Generator ("HRSG"). The "Power Island Agreement" is the agreement between GEV and the Companies for the Power Island equipment.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 5

Responding Witness: Jeffrey B. Heun

- Q-5. Explain whether a NGCC such as MC 6 can be expanded / enlarged once construction is completed and the unit is commercially operable. If so: (i) explain whether doing so is more cost-effective than building an entirely separate new NGCC; and (ii) whether such an option is possible for MC 6, assuming new load becomes a reality.
- A-5. The ability to expand upon MC 6 is limited as the capacity of the unit is based on the current capabilities of the GT and Power Island equipment. If GEV increases the capabilities of the GT and/or Power Island equipment, the Companies will evaluate the cost benefit of such upgrades.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 6

Responding Witness: Jeffrey B. Heun

Q-6. Explain whether the natural gas pipeline expansion that will supply MC 6 is the same fuel source for MC 5.

A-6. The MC 5 natural gas pipeline project was sized to supply natural gas to MC 6.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 7

Responding Witness: Jeffrey B. Heun

- Q-7. Confirm that power island costs are trending approximately 12% above the estimates provided in the CPCN application.

- A-7. Confirmed, pricing for the MC 6 Power Island is trending approximately 12% above the estimate provided in the CPCN application, which is significantly below the market increase of approximately 28% subsequent to the CPCN application estimate.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 8

Responding Witness: Jeffrey B. Heun

- Q-8. Provide a discussion on the efforts the Companies are taking, and will take to maximize economies of scale with the near-simultaneous construction of MC 5 and MC 6, and the forthcoming Brown 12 NGCC at the Mercer County site.
- A-8. The Companies anticipate that coordinating activities between MC6 and BR12 will provide opportunities for economies of scale through consolidated purchasing, standardized equipment specifications, mitigation of cost escalation, and coordinated engineering and construction management activities. Coordinated activities will reduce overall project costs compared to separate standalone projects, the specific savings are unknown as the costs are embedded in the overall project budget and forthcoming EPC proposals.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 9

Responding Witness: Jeffrey B. Heun

- Q-9. Explain whether the Companies have considered offering contractors for the MC 6 project any incentives to come in under budget to any degree, and if not, why not.
- A-9. The Companies anticipate executing lump sum agreements and have not proposed incentives tied to delivering the MC 6 project under budget. However, the Companies would consider incentives if aligned with project objectives and risk allocation.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 10

Responding Witness: Jeffrey B. Heun

- Q-10. Explain whether any type or sort of governmental grants might be available to help offset the costs of MC 6.
- A-10. The Companies are not aware of government grants that could help offset the costs of MC 6.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 21, 2026**

Case No. 2025-00313

Question No. 11

Responding Witness: Jeffrey B. Heun / Charles R. Schram

Q-11. Explain whether as a result of the construction and operation of MC 6, the Companies will have to upgrade existing, and/or build any new transmission facilities. Include in your response whether the Companies intend to increase their capabilities for off-system sales.

A-11. Yes, modifications to the existing Mill Creek transmission substation will be required and the Companies anticipate upgrades to the transmission system will be needed. The extent of the substation and transmission system upgrades will be determined by the results of the ongoing Large Generator Interconnection study.

The Companies are not pursuing transmission investments specifically to increase the potential for expanded off-system sales. The Companies will continue to monitor markets around-the-clock and participate in off-system sales markets when pricing conditions are favorable and transmission capacity and excess generation are available.

**LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY**

**Response to the Attorney General's Initial Data Requests
Dated May 22, 2026**

Case No. 2025-00313

Question No. 12

Responding Witness: John Bevington

Q-12. Explain whether the Companies are on-target for obtaining a total of at least 500 MW of executed electric service agreements under LG&E-KU's proposed Extremely High Load Factor (EHLF) entered into by MC 6's projected in-service date of 2031.

A-12. Yes, the Companies are on target to obtain at least 500 MW of executed electric service agreements under LG&E-KU's proposed EHLF tariff by MC 6's projected in-service date of 2031.

The Companies have already executed Reimbursement Agreements supporting the construction of transmission infrastructure to serve projects representing in excess of 500 MW of load. These agreements reflect advanced-stage customer commitments, with the associated projects progressing toward finalization of electric service agreements.

Based on the current status of these projects and ongoing customer engagement, the Companies reasonably expect execution of the corresponding electric service agreements within the current year. This positions the Companies to meet and exceed the 500 MW threshold well in advance of the MC 6 in-service date.

Taken together, the existing contractual commitments, the scale of transmission investments underway, and the near-term timeline for service agreement execution demonstrate that the Companies are firmly on track to achieve the required level of EHLF-supported load.