COMMONWEALTH OF KENTUCKY

BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

ELECTRONIC 2024 JOINT INTEGRATED RESOURCE PLAN OF LOUISVILLE GAS AND ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY	**)** **)** **)** **)**	**CASE NO. 2024-00326**

CORRECTED RESPONSE OF LOUISVILLE GAS AND ELECTRIC COMPANY AND KENTUCKY UTILITIES COMPANY TO RESPONSE TO JOINT INTERVENORS METROPOLITAN HOUSING COALITION, KENTUCKIANS FOR THE COMMONWEALTH, KENTUCKY SOLAR ENERGY SOCIETY AND MOUNTAIN ASSOCIATION'S, INITIAL REQUEST FOR INFORMATION DATED NOVEMBER 22, 2024

FILED: MAY 21, 2025

VERIFICATION

COMMONWEALTH OF KENTUCKY)
)
COUNTY OF JEFFERSON)

The undersigned, **Tim A. Jones**, being duly sworn, deposes and says that he is Senior Manager – Sales Analysis and Forecasting for LG&E and KU Services Company, and 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.

Tim A. Jones

Subscribed and sworn to before me, a Notary Public in and before said County and State, this 21st day of May 2025.

Notary Public

Notary Public ID No. KYNP32193

My Commission Expires:

06-25-2025

LOUISVILLE GAS AND ELECTRIC COMPANY
AND
KENTUCKY UTILITIES COMPANY

Corrected Response to Joint Intervenors Metropolitan Housing Coalition, Kentuckians for the Commonwealth, Kentucky Solar Energy Society and Mountain Association's Initial Request for Information
Dated May 21, 2025

Case No. 2024-00326

Question No. 1.76

Responding Witness: Tim A. Jones

Q-1.76. Please refer to Vol. I, pages 7-21 and 7-22, Figure 7-4 "Cumulative Net Metering Customer and Capacity Adoption" and Figure 7-5 "Distributed Generation Forecast Scenarios."

a. What was the annual growth rate of new net metering customers and capacity each year for 2013 through 2024?

b. Referencing Figure 7-5, for each scenario, what is the forecast annual growth rate of new net metering customers and capacity each year for 2024 – 2039?

c. In the High Solar forecast, why does the annual growth rate after 2024 decline so dramatically relative to the historic growth rate?

d. Please provide a "Revised High Solar" forecast of net metering customers and solar capacity for 2024 – 2039 assuming future growth rates are similar to the average annual growth rates for 2013 - 2024. Provide data in a table including solar's percent of the Companies' annual peak demand for each year. Please reproduce Figure 7-5 including the "Revised High Solar" forecast.

e. Referencing Figure 7-7 at page 7-23 of Volume I of the IRP, please produce an Hourly Forecast Profile for August 26 for the years 2030, 2032 and 2034, using the *Revised High Solar* forecast.

A-1.76. **Original Response:**

b. See the tables below.

Year	NM Cumulative Customers - Mid	NM Cumulative Customers - Low	NM Cumulative Customers - High	YOY Growth Rate - Mid	YOY Growth Rate - Low	YOY Growth Rate - High
2024	6,861	6,861	6,861	45%	45%	45%
2025	8,238	8,069	9,181	20%	18%	34%
2026	8,913	8,425	11,527	8%	4%	26%
2027	9,587	8,781	13,904	8%	4%	21%
2028	10,242	9,115	16,278	7%	4%	17%
2029	10,890	9,439	18,692	6%	4%	15%
2030	11,538	9,763	21,255	6%	3%	14%
2031	12,186	10,087	24,241	6%	3%	14%
2032	12,834	10,411	26,998	5%	3%	11%
2033	13,482	10,735	29,835	5%	3%	11%
2034	14,131	11,059	32,335	5%	3%	8%
2035	14,779	11,383	34,958	5%	3%	8%
2036	15,427	11,707	37,848	4%	3%	8%
2037	16,075	12,031	40,890	4%	3%	8%
2038	16,723	12,355	44,090	4%	3%	8%
2039	17,371	12,679	47,422	4%	3%	8%

Year	NM Cumulative Capacity (kW) - Mid	NM Cumulative Capacity - Low	NM Cumulative Capacity - High	YOY Growth Rate - Mid	YOY Growth Rate - Low	YOY Growth Rate - High
2024	69,445	69,445	69,445	45%	45%	45%
2025	87,684	86,135	94,671	20%	18%	34%
2026	97,007	92,326	120,007	8%	4%	26%
2027	106,461	98,647	145,788	8%	4%	21%
2028	115,513	104,536	171,345	7%	4%	17%
2029	123,168	108,991	195,972	6%	4%	15%
2030	130,822	113,447	221,843	6%	3%	14%
2031	135,477	114,902	248,335	6%	3%	14%
2032	140,132	116,357	272,934	5%	3%	11%
2033	144,787	117,813	298,246	5%	3%	11%
2034	149,441	119,268	320,658	5%	3%	8%
2035	154,096	120,724	344,261	5%	3%	8%
2036	158,751	122,179	370,099	4%	3%	8%
2037	163,406	123,635	397,245	4%	3%	8%
2038	168,060	125,090	425,752	4%	3%	8%
2039	172,715	126,546	455,419	4%	3%	8%

May 21, 2025 Corrected Response:

b. See the corrected capacity table below. The NM Cumulative Capacity columns are unchanged. The Year over Year Growth Rate columns have been updated.

Year	NM Cumulative Capacity (kW) - Mid	NM Cumulative Capacity - Low	NM Cumulative Capacity - High	YOY Growth Rate - Mid	YOY Growth Rate - Low	YOY Growth Rate - High
2024	69,445	69,445	69,445	42%	42%	42%
2025	87,684	86,135	94,671	26%	24%	36%
2026	97,007	92,326	120,007	11%	7%	27%
2027	106,461	98,647	145,788	10%	7%	21%
2028	115,513	104,536	171,345	9%	6%	18%
2029	123,168	108,991	195,972	7%	4%	14%
2030	130,822	113,447	221,843	6%	4%	13%
2031	135,477	114,902	248,335	4%	1%	12%
2032	140,132	116,357	272,934	3%	1%	10%
2033	144,787	117,813	298,246	3%	1%	9%
2034	149,441	119,268	320,658	3%	1%	8%
2035	154,096	120,724	344,261	3%	1%	7%
2036	158,751	122,179	370,099	3%	1%	8%
2037	163,406	123,635	397,245	3%	1%	7%
2038	168,060	125,090	425,752	3%	1%	7%
2039	172,715	126,546	455,419	3%	1%	7%