Duke Energy Kentucky
Case No. 2024-00197
AG Second Set of Data Requests
Date Received: September 25, 2024

SUPPLEMENTAL AG-DR-02-009

REQUEST:

Reference the response to AG-DR-1-15. Regarding the sentence, "That equates to nearly 7% of peak demand being met by distributed resources," confirm that this refers exclusively to company-owned DSM and EE resources.

a. Does the Company have, or is it aware of any estimates of the amount of customer-owned solar and/or other generation types (sometimes referred to as "behind the meter resources") interconnected to the Company's distribution grid (both currently and projected future)? If so, please provide same.

SUPPLEMENTAL RESPONSE:

a. Please see AG-DR-02-009 Supplemental Attachment. It was noticed during recent review that the original attachment provided the wrong information regarding behind the meter resources. The supplemental attachment provides the correct data for Duke Energy Kentucky.

ORIGINAL RESPONSE:

The DSM MWs included in the IRP are part of utility sponsored, Commission-approved, programs that Duke Energy Kentucky Customers participate in or are expected to participate in. EE, is not an asset or resource to own, but rather a modification to load achieved through Commission -approved utility funded programs.

a. Please see AG-DR-02-009 Attachment.

PERSON RESPONSIBLE: Matthew Kalemba

AG-DR-1-15 Follow-up
DEK BTM Connections

Solar/S+S	Cumulative Counts			Cumulative Capacity (MWs)		
	Residential	Non-Residential	Totals	Residential	Non-Residential	Totals
2023	794	22	816	5.5	0.8	6.3
2024	968	25	993	6.7	1.1	7.8
2025	1,168	28	1,196	8.1	1.4	9.5
2026	1,331	31	1,362	9.2	1.7	10.9
2027	1,490	34	1,524	10.3	2.0	12.4
2028	1,660	37	1,697	11.5	2.3	13.8
2029	1,840	40	1,880	12.8	2.6	15.4
2030	2,031	43	2,074	14.1	2.9	17.0
2031	2,228	46	2,274	15.5	3.2	18.7
2032	2,432	49	2,481	16.9	3.5	20.5
2033	2,629	52	2,681	18.3	3.8	22.1
2034	2,814	55	2,869	19.6	4.1	23.7
2035	2,954	58	3,012	20.6	4.4	25.0
2036	3,092	61	3,153	21.5	4.7	26.3
2037	3,236	64	3,300	22.6	5.0	27.6
2038	3,390	67	3,457	23.6	5.3	29.0
2039	3,547	70	3,617	24.7	5.6	30.4
2040	3,715	73	3,788	25.9	5.9	31.8
2041	3,889	76	3,965	27.1	6.2	33.4
2042	4,069	79	4,148	28.4	6.5	34.9
2043	4,259	82	4,341	29.7	6.8	36.5
2044	4,451	85	4,536	31.1	7.1	38.2
2045	4,653	88	4,741	32.5	7.4	39.9
2046	4,859	91	4,950	33.9	7.7	41.6
2047	5,075	94	5,169	35.4	8.0	43.5
2048	5,298	97	5,395	37.0	8.3	45.3
2049	5,526	100	5,626	38.6	8.6	47.2
2050	5,754	103	5,857	40.2	8.9	49.1

Notes:
Data reflects year end values
2023 data represents actuals
2024 - 2050 is forecasted data
Data includes solar only installations as well as solar installations that also have storage

VERIFICATION

STATE OF NORTH CAROLINA)
) **SS:**
COUNTY OF MECKLENBURG)

The undersigned, Matt Kalemba, Vice President Integrated Resource Planning, being duly sworn, deposes and says that he has personal knowledge of the matters set forth in the foregoing supplemental data requests, and that the answers contained therein are true and correct to the best of his knowledge, information, and belief.

Matt Kalemba Affiant

Subscribed and sworn to before me by Matt Kalemba on this 26 day of November 2024.

Andrew Rogers III
NOTARY PUBLIC

My Commission Expires: 12-9-2025

Andrew Rogers III
NOTARY PUBLIC
Mecklenburg County, NC
My Commission Expires December 09, 2025