

Large Load Submittal for Duke Energy Ohio and Kentucky

September 29,2026

Introduction

- Both Duke Energy Ohio and Duke Energy Kentucky are submitting large load adjustments for the 2027 load forecast.
 - Both submittals will affect the DEOK zone for both Ohio and Kentucky
- Duke Energy Ohio will have multiple data center submittals when Kentucky has just 1 manufacturing load.
- This is the first large load submittal for Duke Energy Ohio.
- Duke Energy Kentucky has submitted their load in previous load forecasts including 2026.
 - Duke Energy Kentucky's load is slightly lower than previous submittals. This load is on Duke Energy Kentucky's distribution system.

Duke Energy's Deal Progression

- Step 1 (optional) E&P or Engineering and Procurement Agreement is initial stage agreement which allows Duke Energy to procurement long lead material and begin initial engineering with financial commitments from the customer.
- Step 2 - FSA (Facility Service Agreement) is the financial commitment for infrastructure for the project.
- Step 3 - ESA (Electric Service Agreement) is the financial commitment with the customer for service which includes rates, minimum billing demands, payback period, and termination/liquidated damages.

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Discussions For Duke Energy Kentucky/Ohio

- Duke Energy met with both Ohio and Kentucky regarding the large load submittals.
 - The Kentucky Public Service Commission were briefed on the submittal and indicated that they would not provide any additional feedback.
 - The Public Utilities Commission of Ohio was briefed and did give feedback which I provided to PJM.

Assumptions Used in the Load Forecast

- To arrive at a demand number, Duke Energy used a utilization factor for their different loads.
 - 70% for Duke Energy Ohio data centers
 - 75% for Duke Energy Kentucky manufacturing
- Duke applied discounting factors for all deals that did not have an ESO/ESA. Factors influencing that decision were:
 - Where in the TEAC process the project existed
 - Potential for community pushback
 - Overall engagement by the customer

Firm vs. Non-Firm Load In DEOK Zone

Capacity						
Firm	2027	2028	2029	2030	2031	2032-2047
Electric Service Obligation (ESO) - Duke Energy Ohio	231	250	250	250	250	250
Other Firm Agreements - Duke Energy Kentucky	30	37	41	41	41	48
Total Firm	261	287	291	291	291	298
Non Firm Agreements (Probability Discounting Applied)						
No ESO - Duke Energy Ohio	0	123	302	520	755	1,080
Total All Agreements	261	410	593	811	1,046	1,378
Demand						
Firm	2027	2028	2029	2030	2031	2032-2047
Electric Service Obligation (ESO) - Duke Energy Ohio	162	175	175	175	175	175
Other Firm Agreements - Duke Energy Kentucky	23	28	31	31	31	36
Total Firm	184	203	206	206	206	211
Non Firm Agreements (Probability Discounting Applied)						
No ESO - Duke Energy Ohio	0	86	211	364	529	756
Total All Agreements	184	289	417	570	734	967

Total Submittal for DEOK ZONE

Capacity						
Firm	2027	2028	2029	2030	2031	2032-2047
Total Duke Energy Ohio	231	373	552	770	1,005	1,330
Total Duke Energy Kentucky	30	37	41	41	41	48
Total Zone Submittal	261	410	593	811	1,046	1,378
Demand						
Firm	2027	2028	2029	2030	2031	2032-2047
Total Duke Energy Ohio	162	261	386	539	704	931
Total Duke Energy Kentucky	23	28	31	31	31	36
Total Zone Submittal	184	289	417	570	734	967