

ODEC 2027 Large Load Adjustments

Brandon Newbill – Director, Power Supply Planning
September 29th, 2026

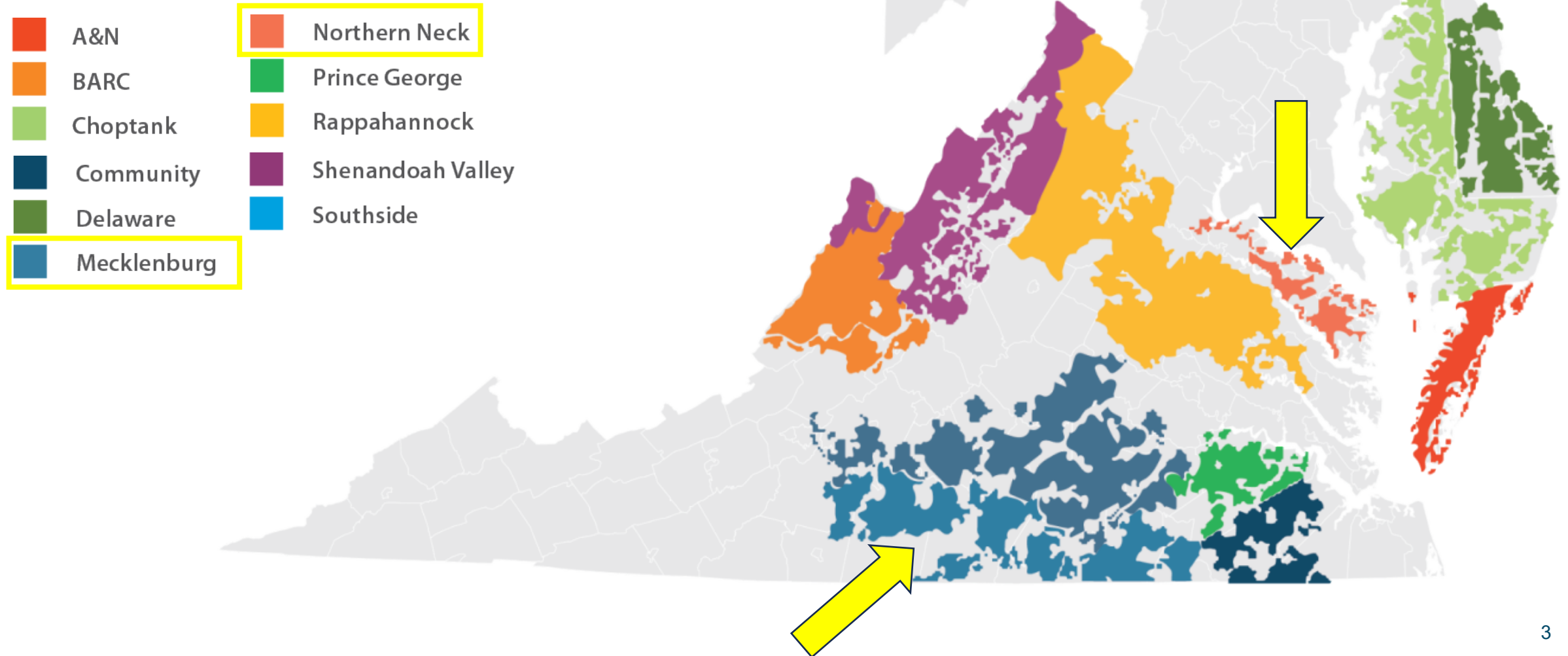
About ODEC

Old Dominion Electric Cooperative is a member-owned, not-for-profit wholesale generation and transmission electric cooperative.

ODEC supplies power for 11 not-for-profit retail distribution cooperatives in Virginia, Maryland, and Delaware, serving 1.5 million people.



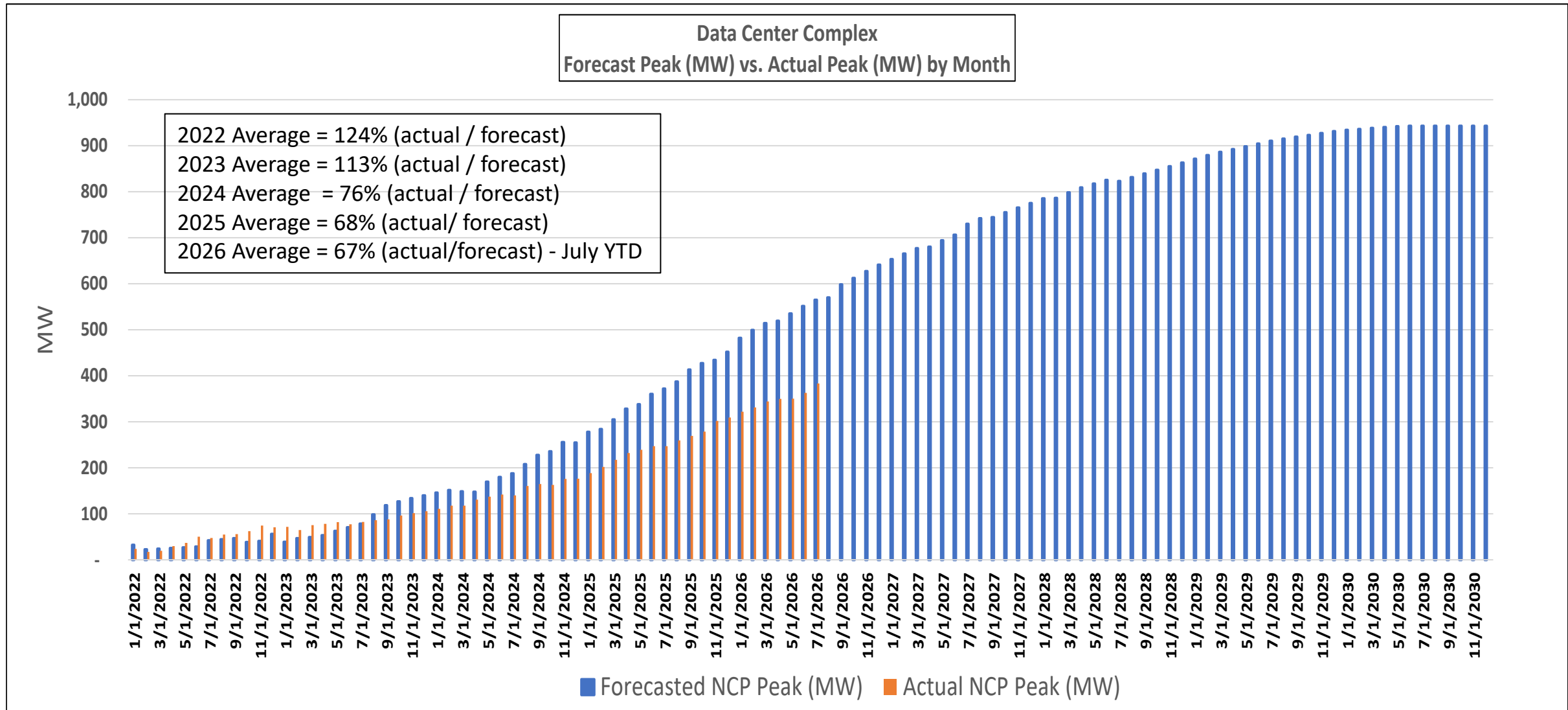
ODEC's Membership Territories



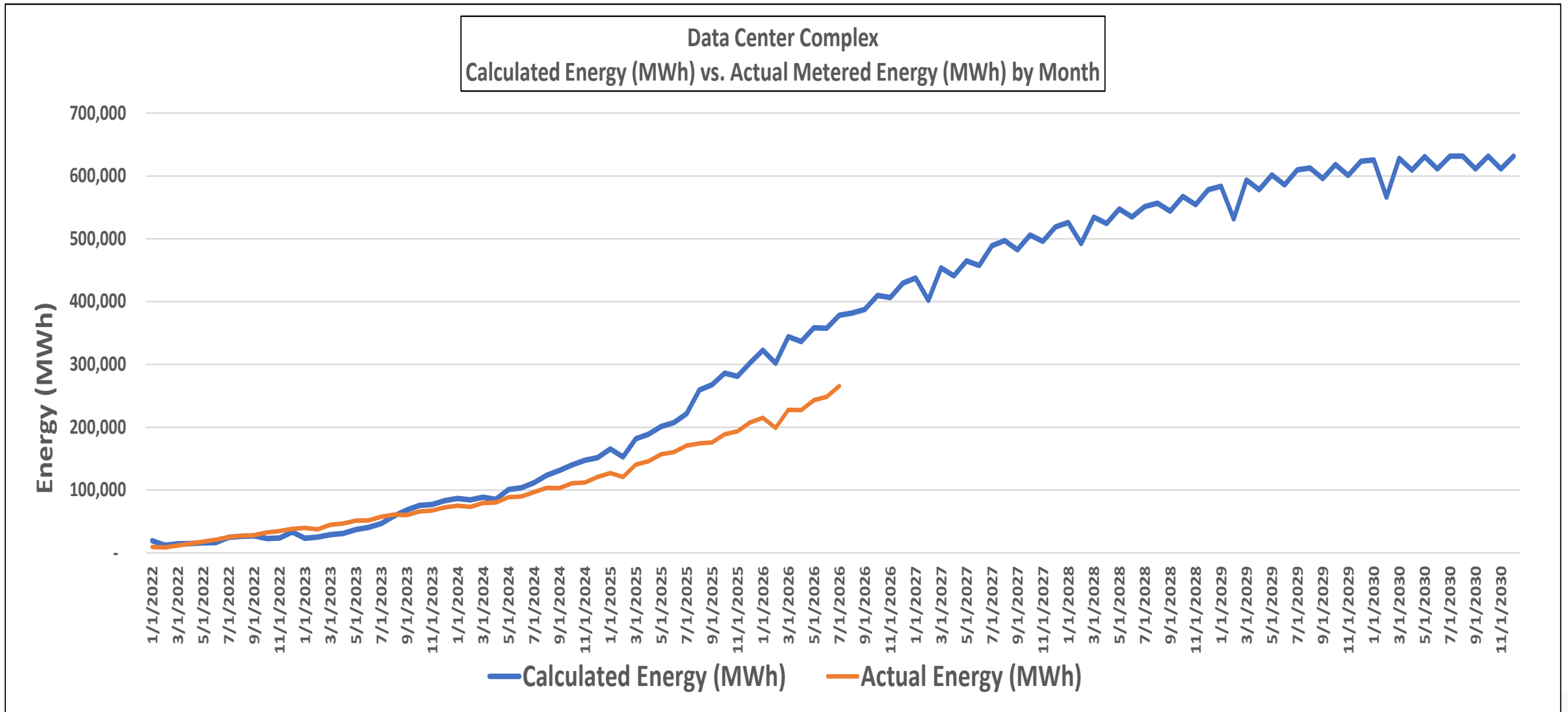
ODEC Historical Data Center Load Data



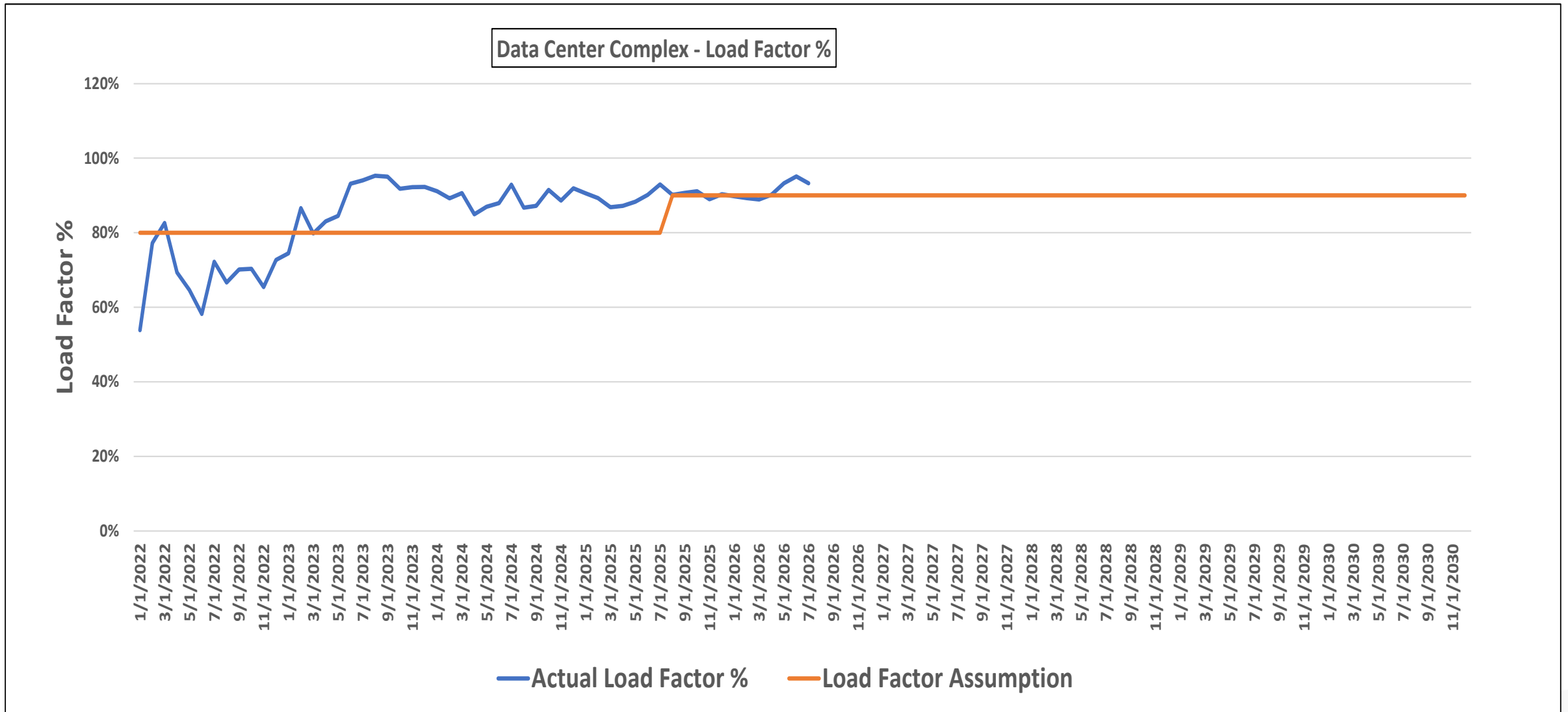
Historical Data Center Load - Utilization Rate (%)



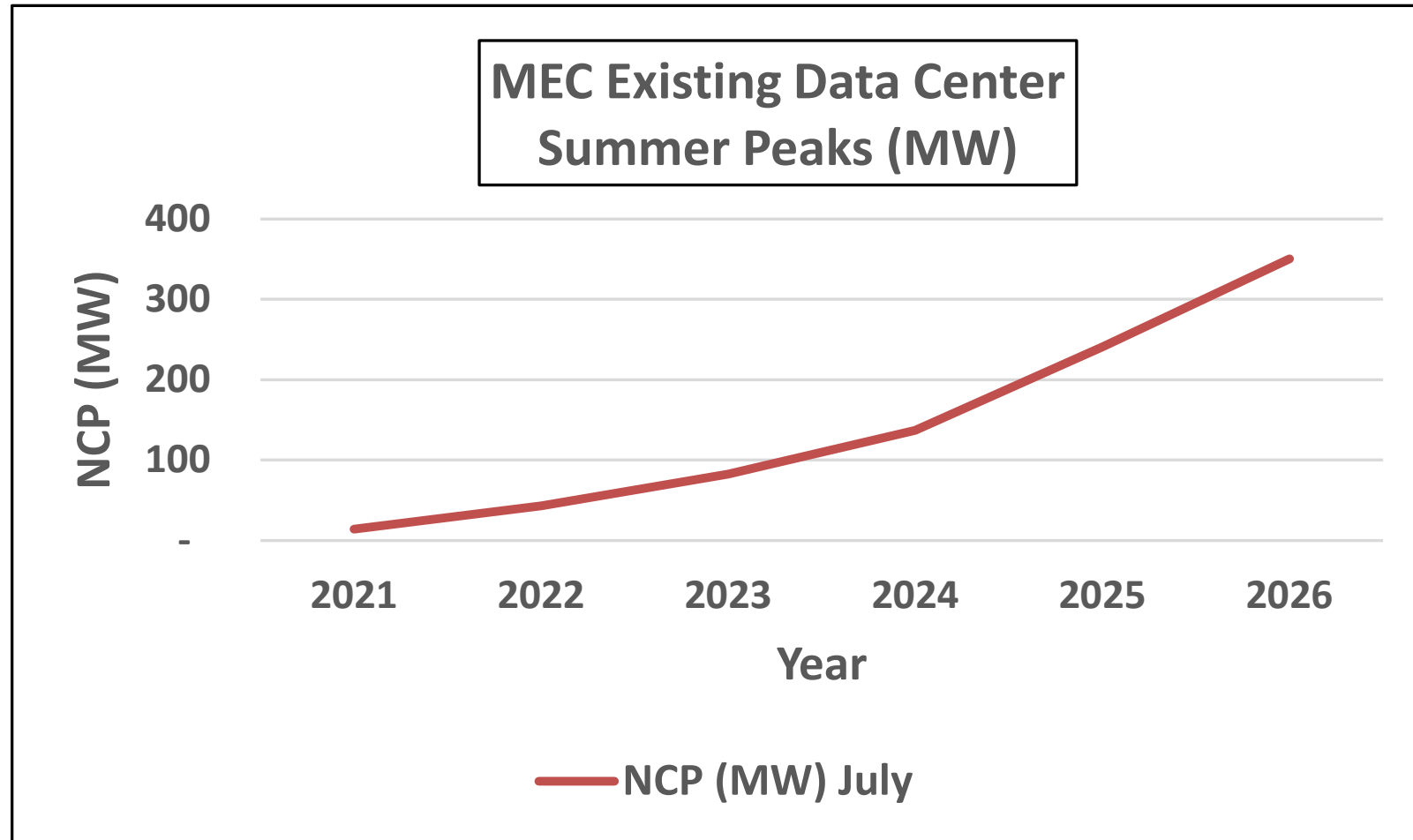
Historical Data Center Load - Energy (MWh)



Historical Data Center Load – Load Factor (%)



■ Historical Data Center Load - Peak Demand (DOM Zone)



Top Three Summer 2026 Daily Peaks			
Rank	Peak (MW)	Date	Hour Ending
1	350	7/14/26	13
2	345	7/13/26	12
3	344	7/29/26	12

ODEC

2027 Large Load Adjustment (LLA)

Data Center Forecast & Methodology



Methodology Details

1. ODEC reviews delivery point load requests monthly
2. To prepare for the annual PJM large load adjustment submission, ODEC meets with its member distribution cooperatives to review each individual delivery point request to discuss project specifics
 - Determine financial commitments made by the end-use customer
 - Identify contracts that are in place
 - Discuss terms of contracts and stages/phases of project development (initiation, feasibility, development, execution)
 - Discuss other quantitative/qualitative factors to forecast the likelihood of the project
3. Using the information identified in step 2, ODEC selects the projects to include in its submission to PJM that also meet the criteria set forth by PJM LAS guidance and subsequent Manual 19 language
 - ODEC's 2027 capacity submission is 2,644 MWs, which is only a small portion of the total 16,544 MW¹ currently being tracked by ODEC.
 - ODEC's 2027 Demand submission is 1,851 MWs, which is 70% of the capacity requested.
4. Firm / Non-Firm designations by PJM include assigning "firm" status to projects that have construction agreements and electric service agreements in place.
 - Two (2) of the three (3) existing data center projects are firm, totaling 658 MWs (capacity), or 461 MWs (demand), and the 3rd is currently being negotiated
 - ODEC's seven (7) planned data center projects are all non-firm
5. Hyperscale Energy Services, LLC ("HES"), an affiliate of ODEC member Rappahannock Electric Cooperative, will present their own LLA submission to PJM.
6. ODEC uses the load ramp provided by the member (by way of the end-use customer) and assumes monthly smoothing
7. ODEC meets with member cooperatives and contacts TOs to verify that projects are not double-counted
8. Overview of RERRA process and conclusions: VA SCC reviewed ODEC's 2027 LLA submission and confirmed they had no feedback at this time

1) Value stated is as of July 2026. This value is tracked in real time and reported monthly internally.

Cumulative Demand (MW) - July Peaks

Capacity MW	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
MEC	685	778	869	1,083	1,251	1,413	1,556	1,682	1,733	1,744	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748	1,748
NNEC	-	-	-	-	248	481	596	686	821	896	896	896	896	896	896	896	896	896	896	896	896
DomZone Total	685	778	869	1,083	1,499	1,894	2,152	2,368	2,554	2,640	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644	2,644
Demand MW	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047
MEC	480	545	608	758	875	989	1,089	1,177	1,213	1,221	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224	1,224
NNEC	-	-	-	-	174	337	417	480	575	627	627	627	627	627	627	627	627	627	627	627	627
DomZone Total	480	545	608	758	1,049	1,326	1,506	1,657	1,788	1,848	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851	1,851

