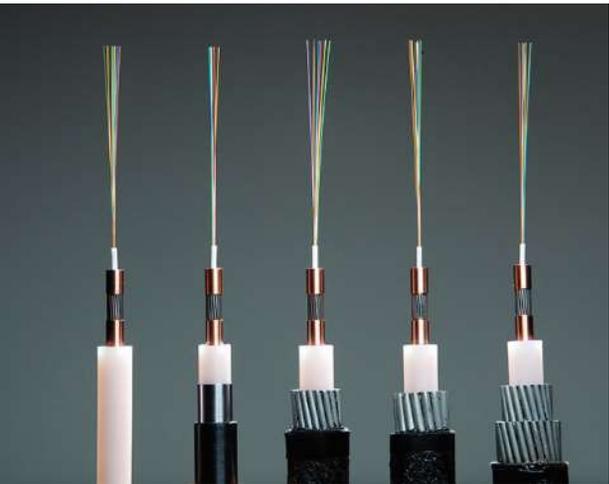




Dominion Energy Service Territory Data Center Forecasting

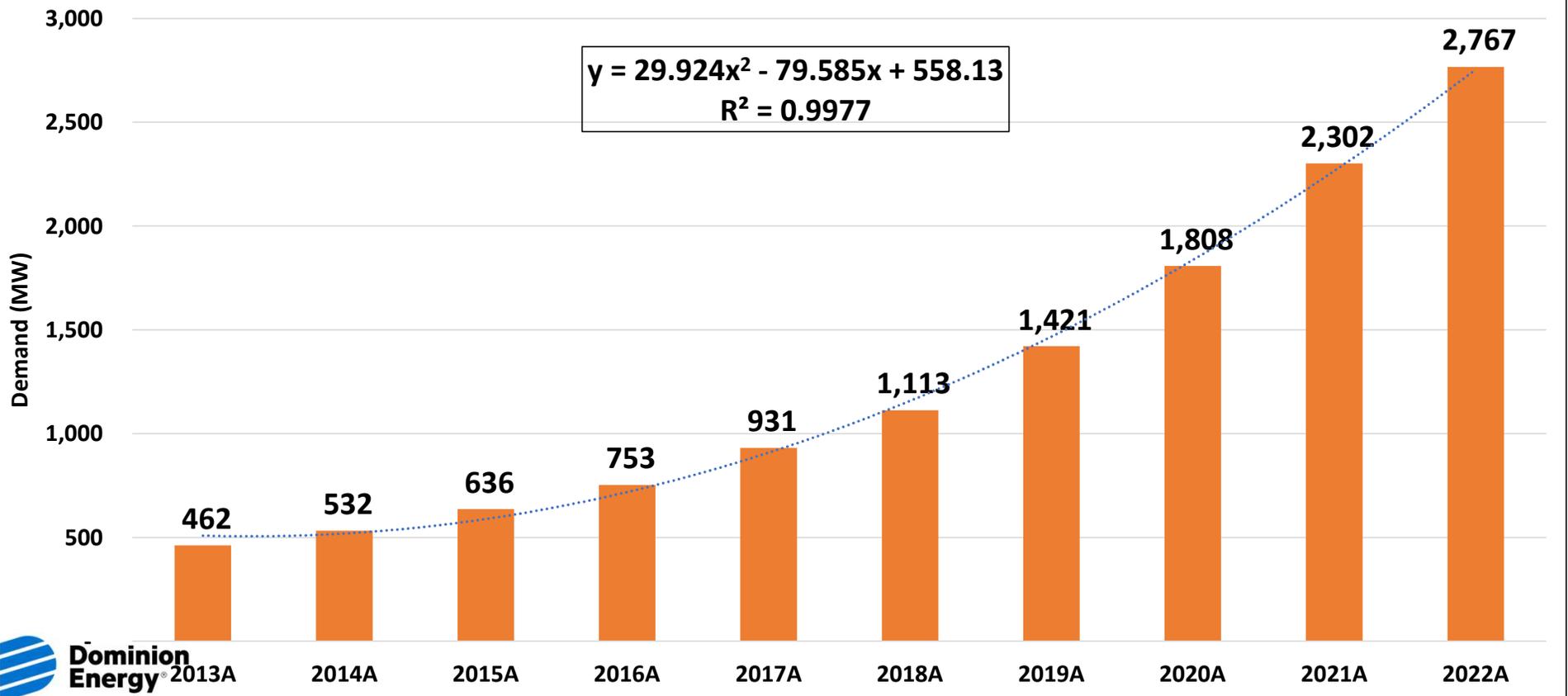
June 26, 2023



Market Overview

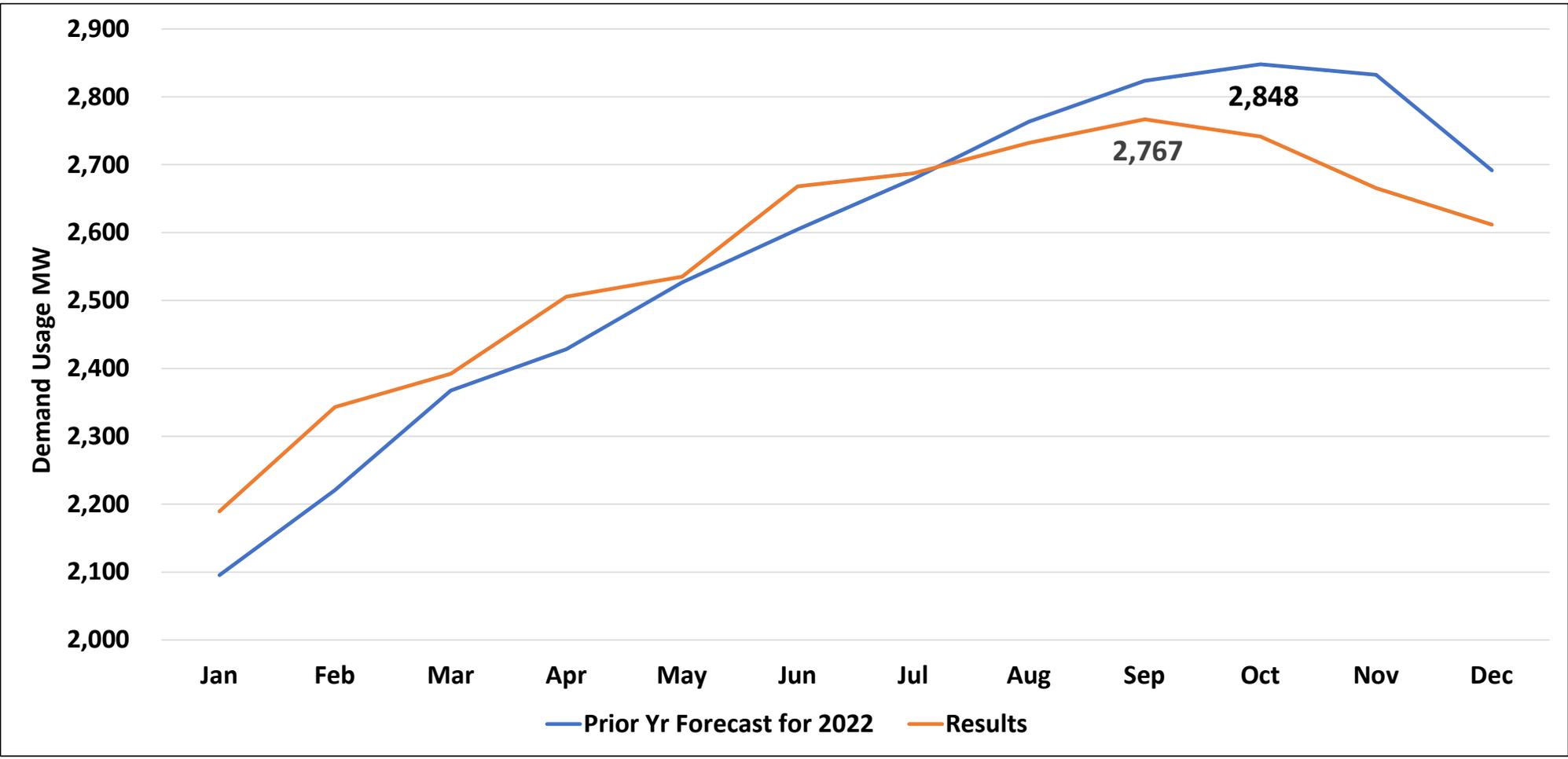
- Loudoun County is #1 Market in the World
- Loudoun County is over 80% of Dominion Energy's data center demand
- The industry is concentrated in roughly 30 square miles
- 10 out of 47 customers account for 90% of YTD demand
- 2022 peak demand: 2,767 MWs
- Normalized 2022 MWH: 21% of DE Sales
- 2022 demand increase: 465 MWs
- Since 2019, 81 data center connects with capacity of 3.5 GW

Historical Demand Growth Dominion Energy Service Territory Only



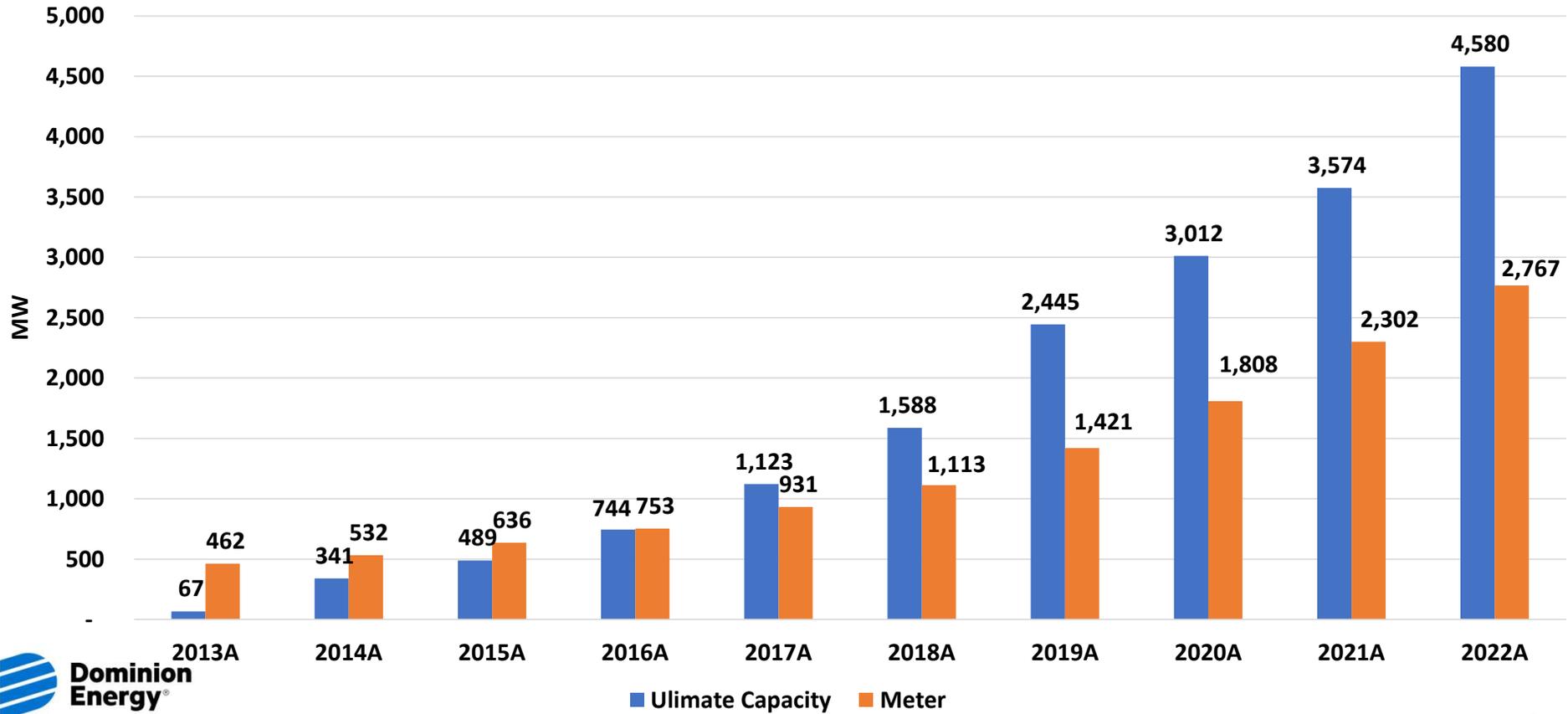
Note: This is a regression formula of history and is not used to forecast future demand

Forecast Accuracy of Demand Usage

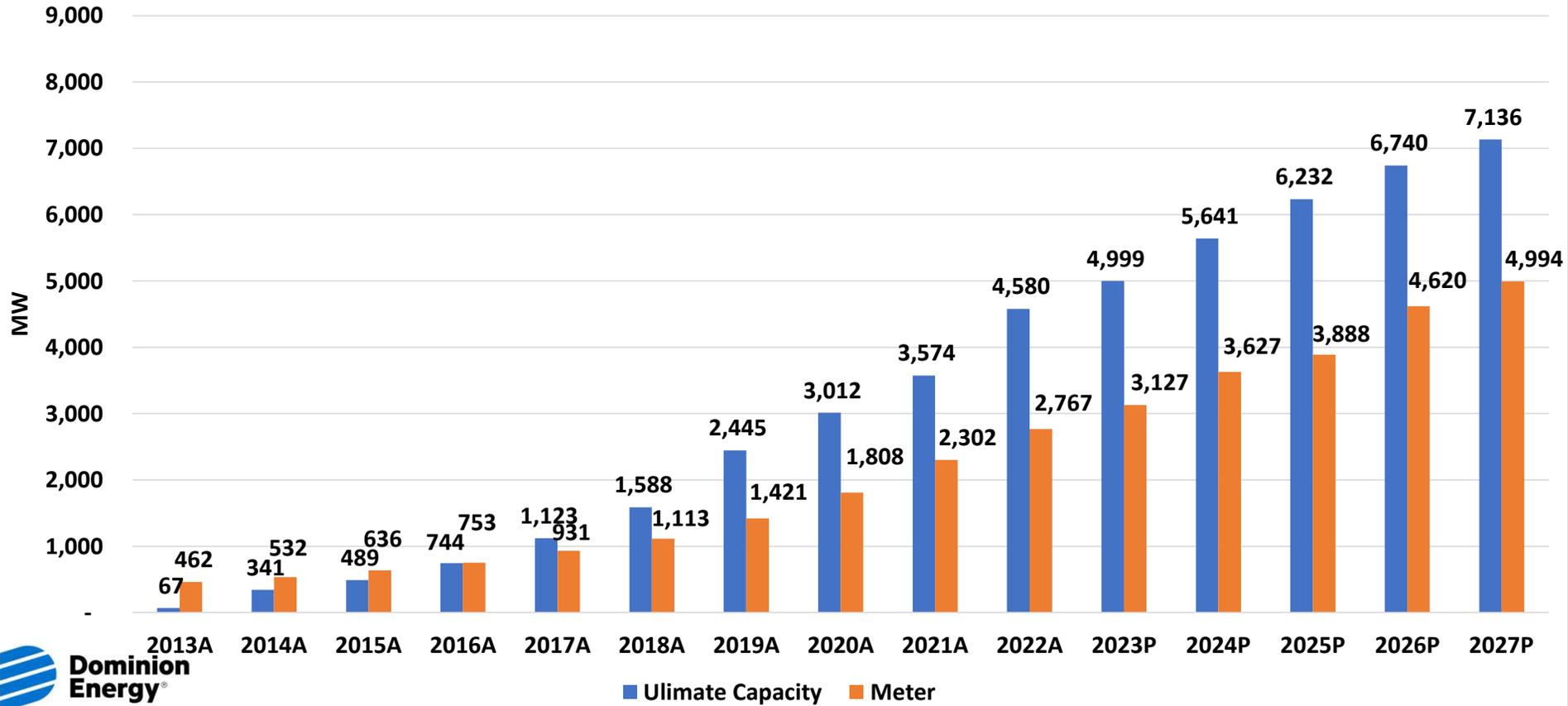


New Connect Ultimate Capacity

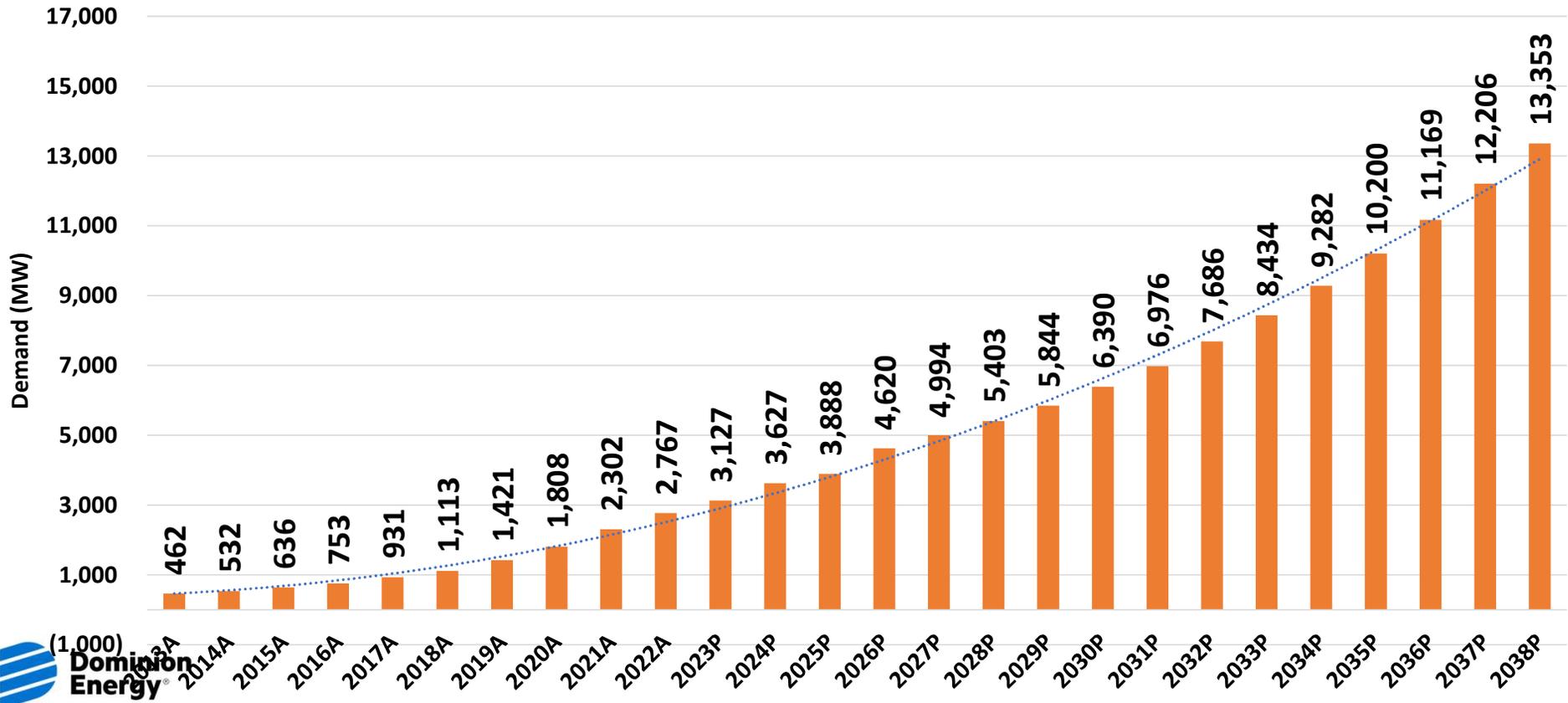
Dominion Energy Service Territory Only



New Connect Ultimate Capacity Dominion Energy Service Territory Only



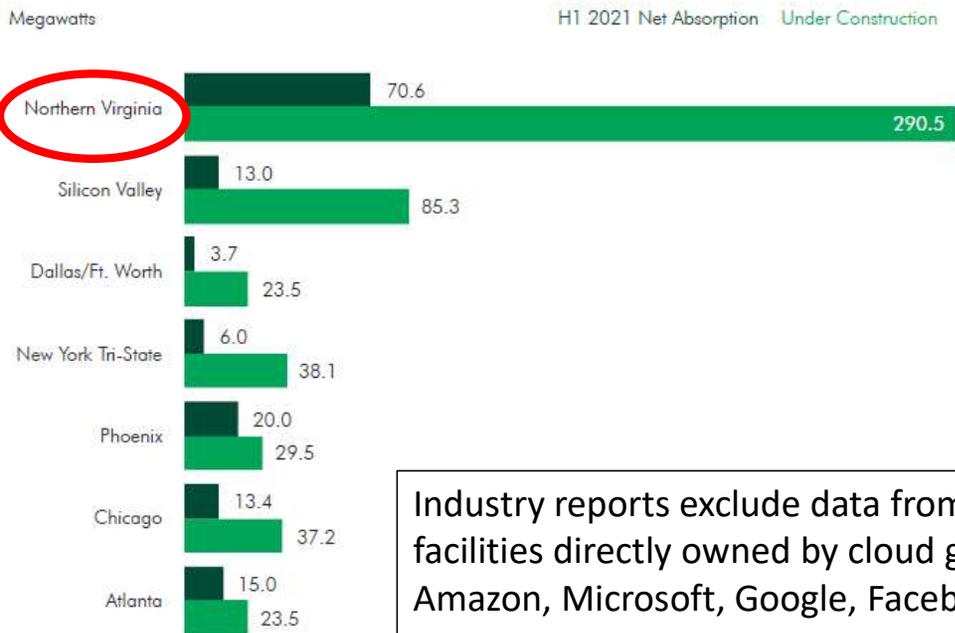
Data Center Growth Dominion Energy Service Territory Only



Note: This is a regression formula of history and is not used to forecast future demand

CBRE - NORTH AMERICAN DATA CENTER TRENDS REPORT H1 2021

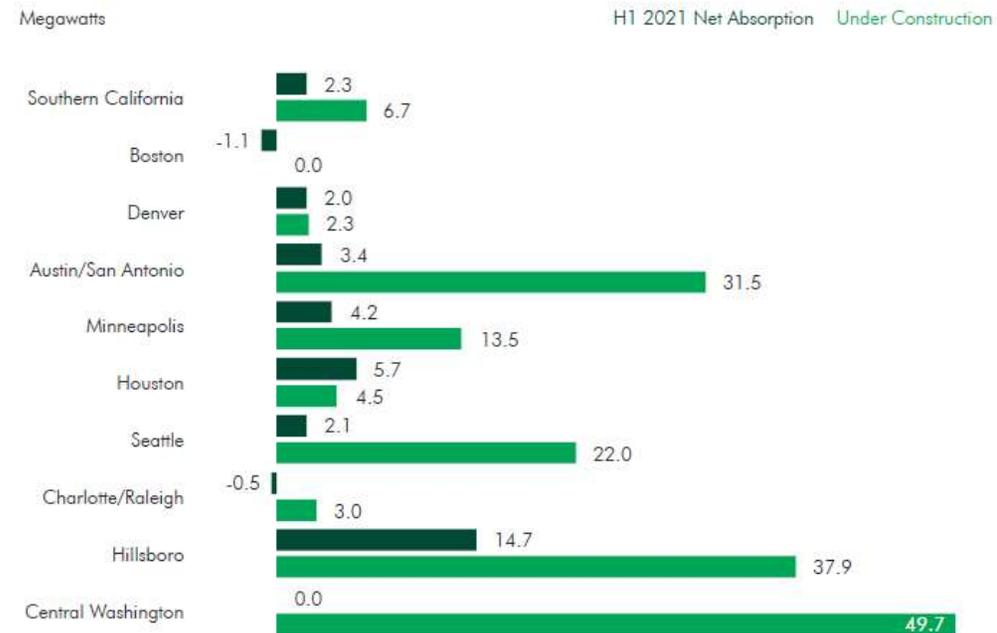
Figure 5: Net Absorption vs. Under Construction by Primary Market, H1 2021



Industry reports exclude data from facilities directly owned by cloud giants: Amazon, Microsoft, Google, Facebook, etc.

Source: CBRE Research, CBRE Data Center Solutions, H1 2021.

Figure 6: Net Absorption vs. Under Construction by Secondary Market, H1 2021



Source: CBRE Research, CBRE Data Center Solutions, H1 2021.

Dominion Energy's Segmentation of Data Centers

- Cloud
 - Cloud providers offer cloud based operating systems and applications
 - Largest data center segment of customers in VA
- Colocation
 - Datacenter operator builds the building and leases data halls to end users who install the servers
 - This is the second largest segment of data center customers in VA
- Enterprise
 - The user of the datacenter owns and operates the building for its purposes
- Fiber Interconnection Facility
 - The user of the datacenter owns and operates the building for its purposes
- Crypto Miners
 - Tends to seek existing building space

Dominion Energy Best Practices

- The industry desires capacity “ask”, focus on forecasting the “meter”
- Your data center industry is most likely concentrated - 80/20 rule
 - Forecast the 80% by individual customers, combine the remaining 20%
- Dominion Energy forecasts metered load using statistics as opposed to converting capacity “asks” into metered load
- The type of data center will determine growth trajectory:
 - Cloud – fast ramp
 - Colocation – steady ramp unless cloud leases space
 - Crypto miner – instant ramp
 - All other types – slow steady growth
- Start with billed demand by customer, covert to coincident demand in aggregate
- Partner with Cooperative partners is important to assess data center growth in a Transmission Zone

Questions