

Dominion Energy Virginia

Data Center Forecasting

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Dominion Energy Virginia – Company Overview



2.8M

Electric customers
(homes and businesses)



19,000+

Employees & contractors



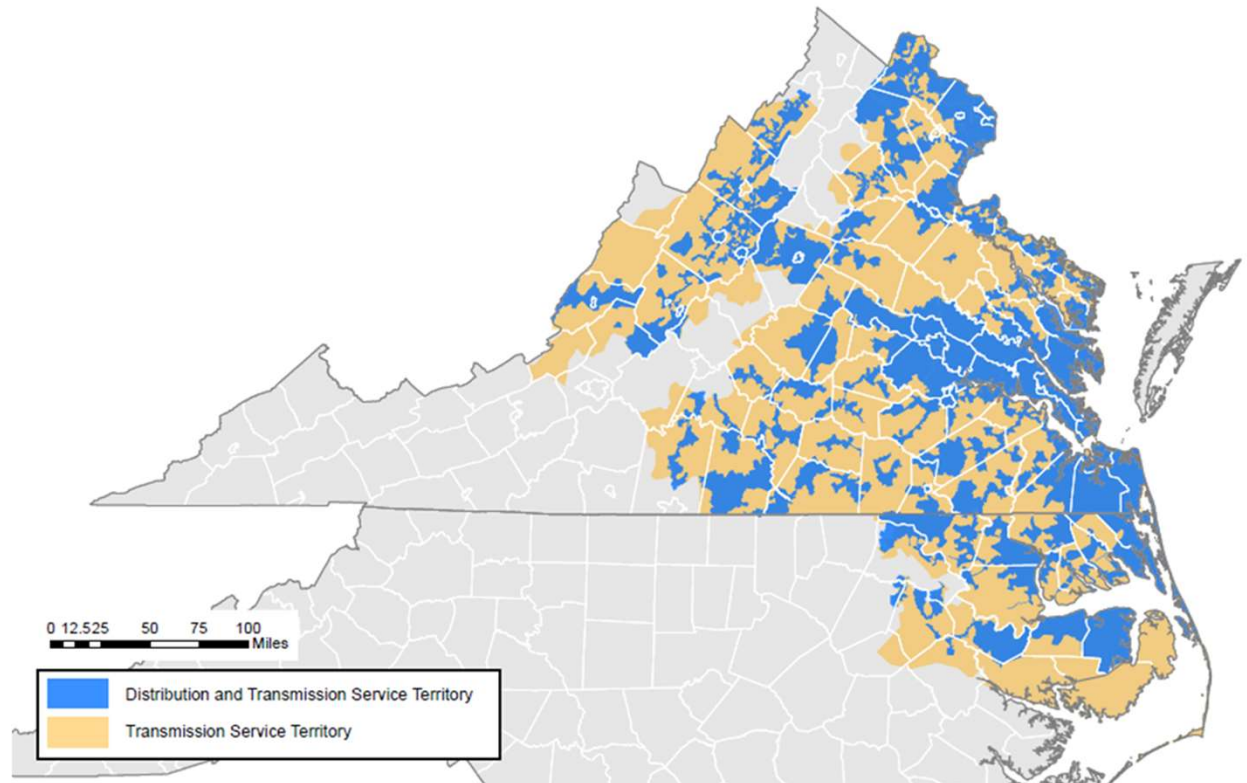
66,000+

Miles of power lines



20,000+

Megawatts of generation



Dominion Energy Virginia – Data Center Market

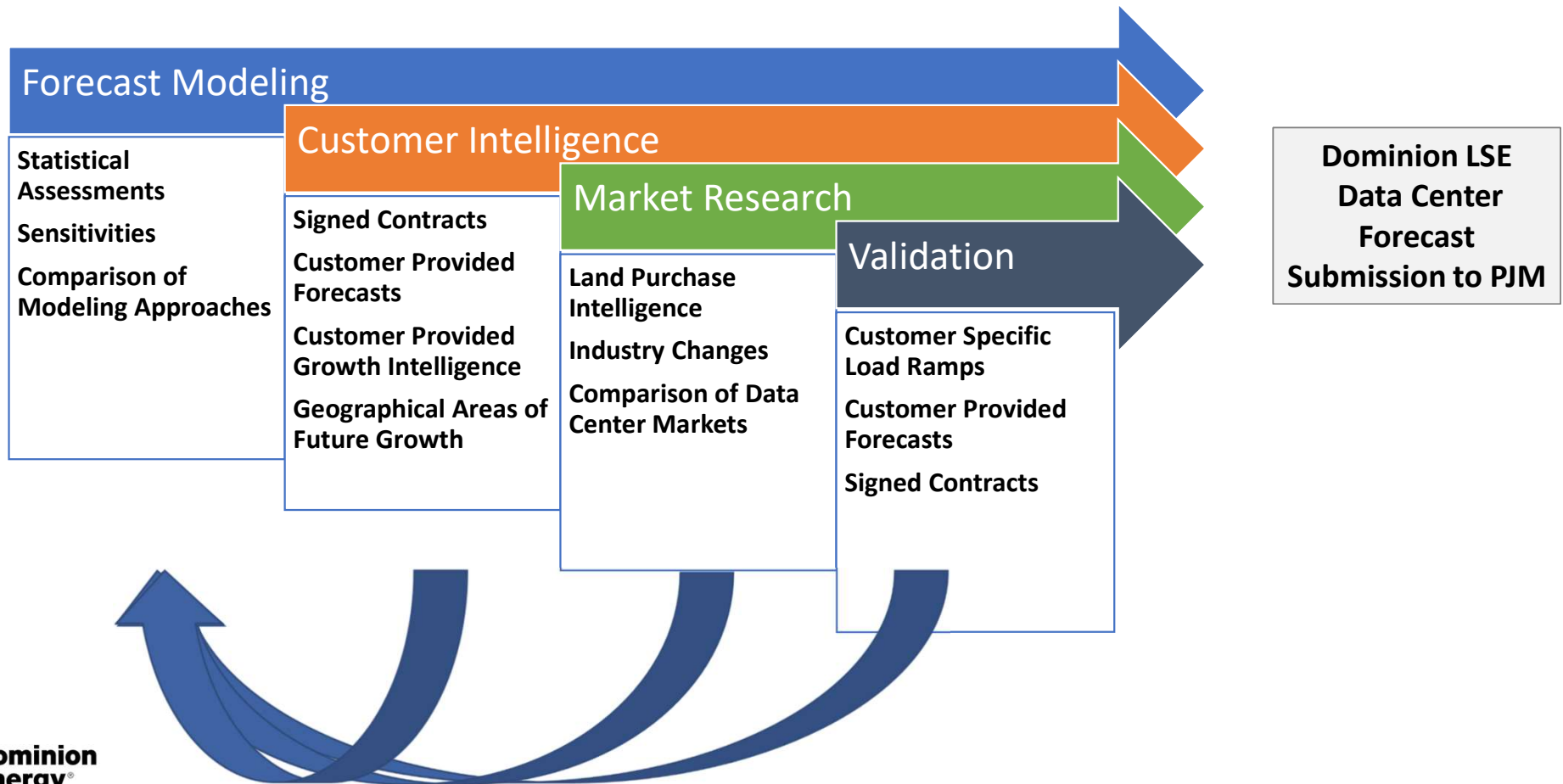
- Virginia is home to the largest data center market in the world
- 7 out of 54 customers account for 72% of YTD demand
- Forecasted 2025 billing demand: 4.2 GWs
- Industry load factor is approximately 90%
- Customers are expanding beyond the traditional Northern Virginia market within Dominion Energy Virginia's retail service territory
- New market entrants are competing for data center demand
- Capacity requests continue to increase
- Dominion Energy's forecast is stable

Forecasting Process for Billing Demand

Forecast is based on 11+ years of metered data center customer information

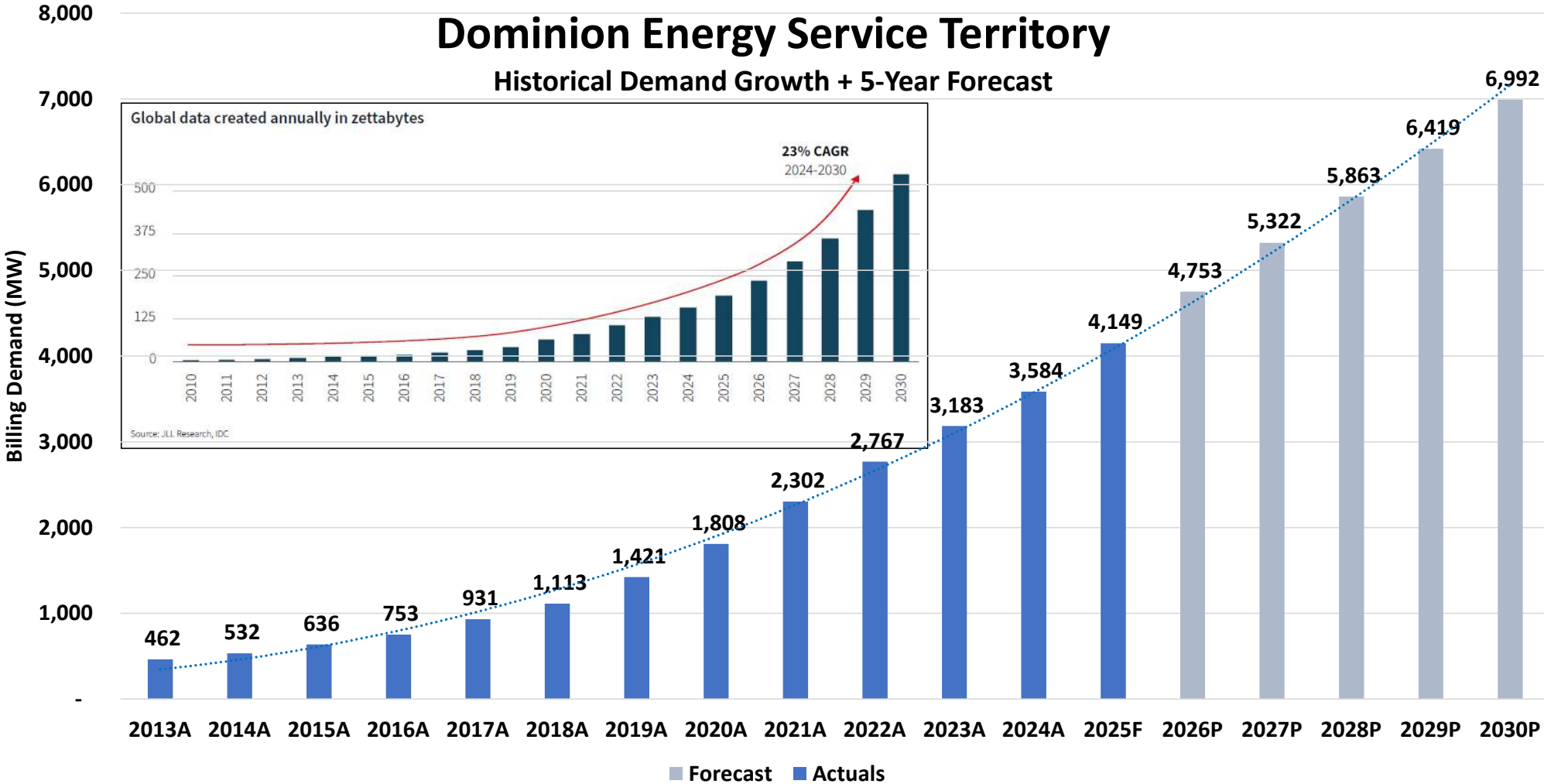
1. Statistically model 7 largest or fastest growing customers and an 8th segment containing all of the remaining customers
2. Statistically model “High” billing demand forecast three ways for each customer segment (24 models)
 - a) Approach 1: linear regression of billing demand
 - b) Approach 2: polynomial regression of billing demand
 - c) Approach 3: custom fit based on market/customer informationNote: One of these three approaches is selected for each of the 8 customer segments
3. Validate/adjust statistical forecasts based on customer provided long-term forecasts
4. Develop “Low” billing demand forecast using industry aggregate statistical models (4 models)
5. Average high and low forecasts to derive the “Official” billing demand forecast
6. Use load factor to model MWH sales based on high, official, and low forecast scenarios
7. Based on historical ratios, calculate coincident demand forecast from billing demand forecast

Modeling Methodology

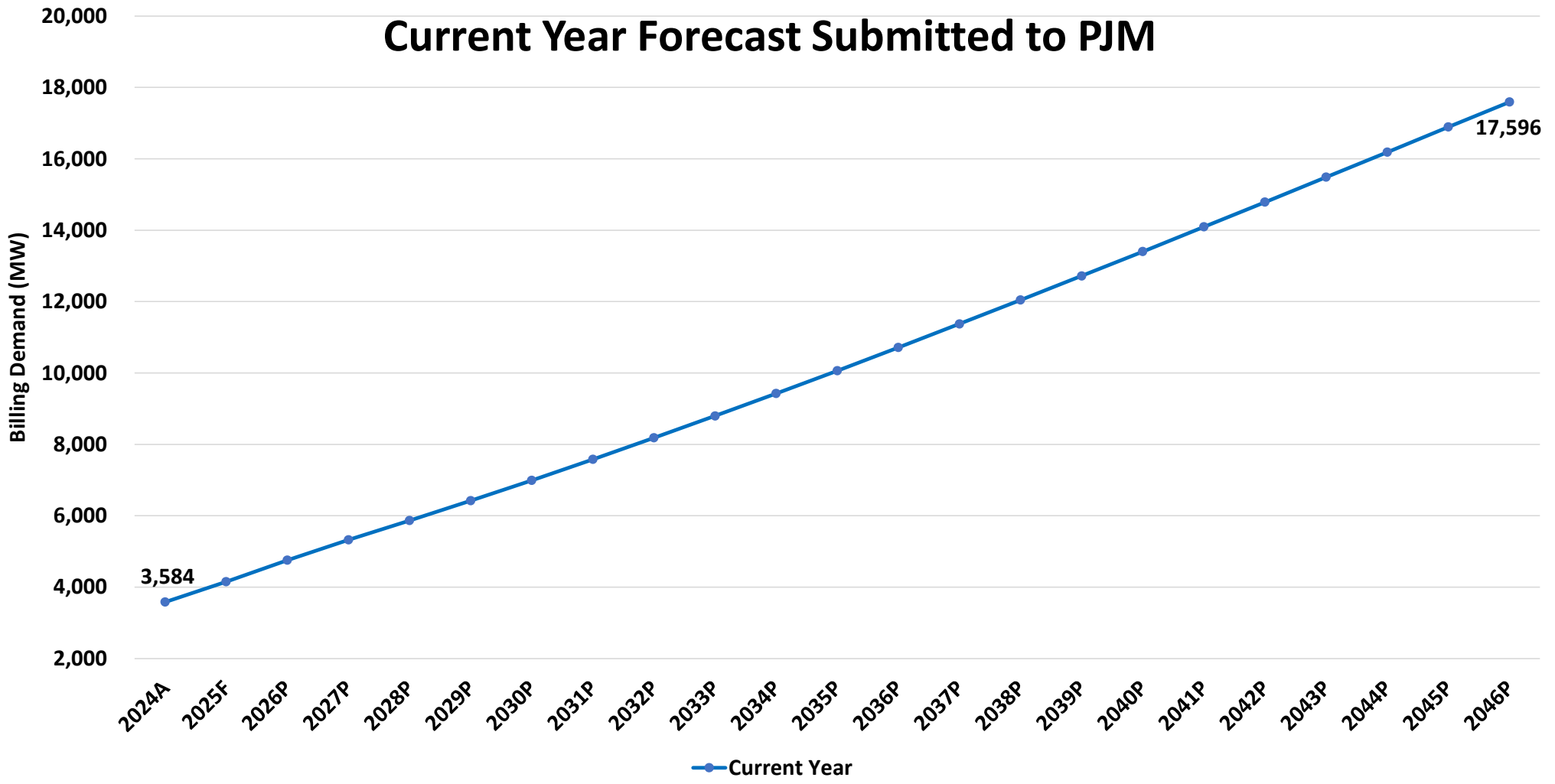


Dominion Energy Service Territory

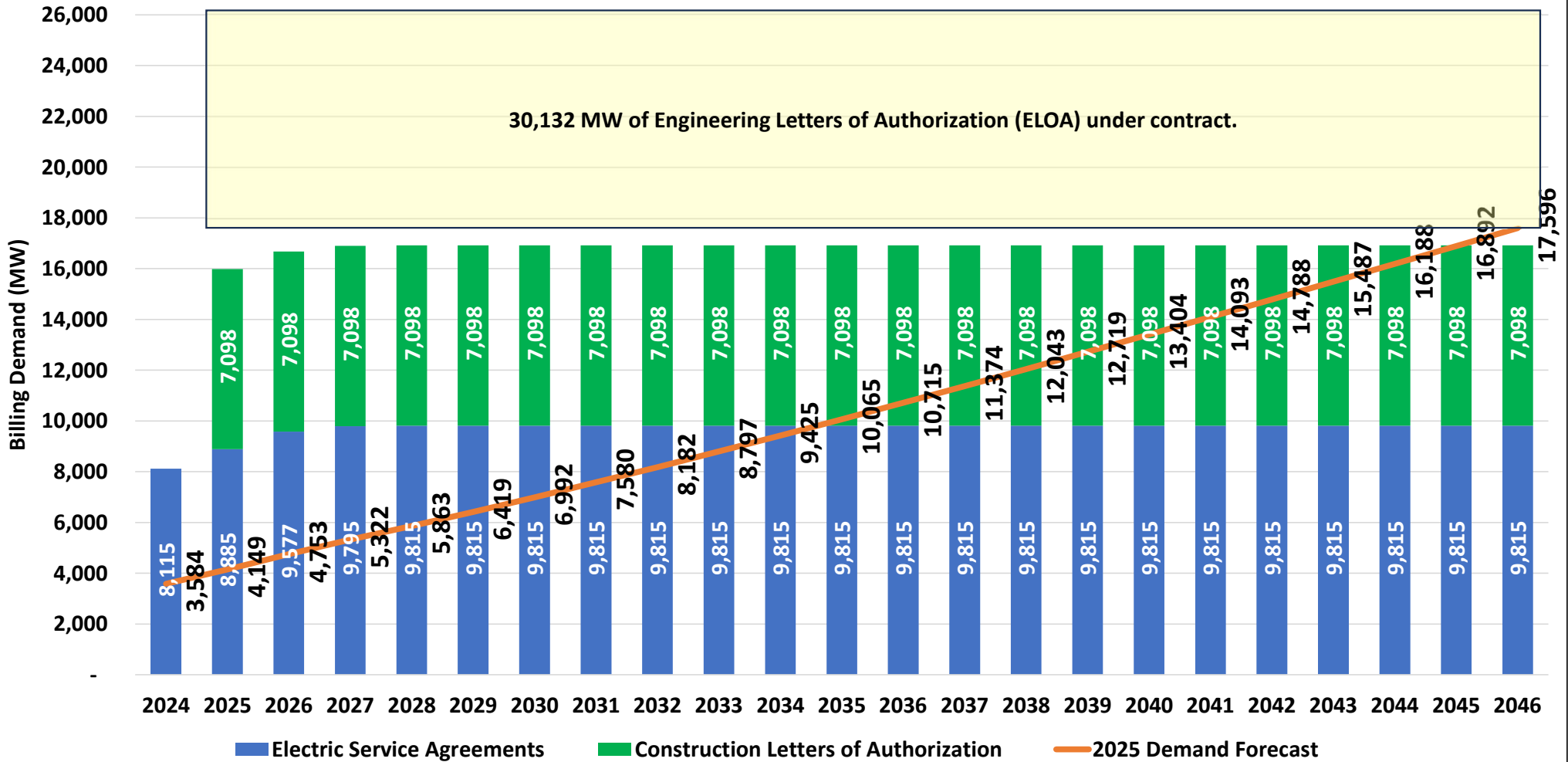
Historical Demand Growth + 5-Year Forecast



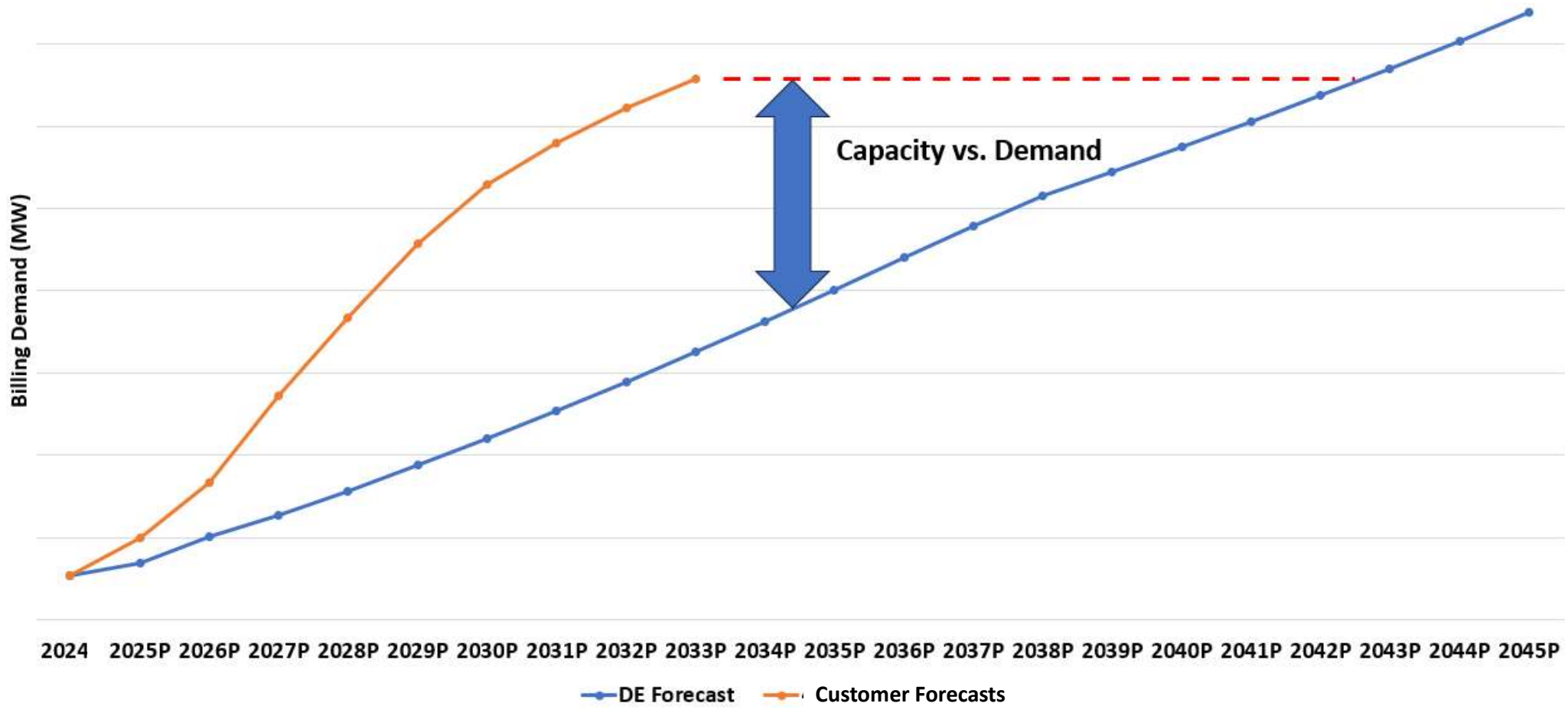
Current Year Forecast Submitted to PJM



Executed Contracts as of July 2025



Comparison of Forecasts



Items to Consider

- PJM requirement is based on metered DEMAND, not capacity
- There is a big difference between capacity requests and demand
 - Data centers prefer infrastructure in advance of load
 - Colocation business model – capacity, not demand
 - Colocation providers compete for the same business driving up capacity requests – not all of these requests will result in demand
- Ramping
 - Data center company vs. end-user load ramp
 - Cloud providers tend to ramp quickly (3-5 years)
 - Colocation providers generally ramp slower (5-7 years)
 - Crypto Miners ramp into capacity very quickly (1 year)

Items to Consider (cont'd)

- Utility must partner with Wholesale Cooperatives in transmission zone
- The more customers modeled, the higher the forecast
- New market entrants are competing for data center demand driving up engineering requests

Recommendations

- Capture data center metered data
- Periodically change business to align capacity requests with demand:
 - Policies
 - Contract structure
 - Terms & Conditions
 - Tariffs
- Monitor impact of artificial intelligence – training vs. inference

Questions?