

PULSE ON THE POWER MARKET //

Data + Power



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Vice President – Mission Critical



2025 GENERATION SYMPOSIUM

MISSION CRITICAL

PRACTICE OVERVIEW





#1

DATA CENTER ENGINEERING

#1

POWER ENGINEERING

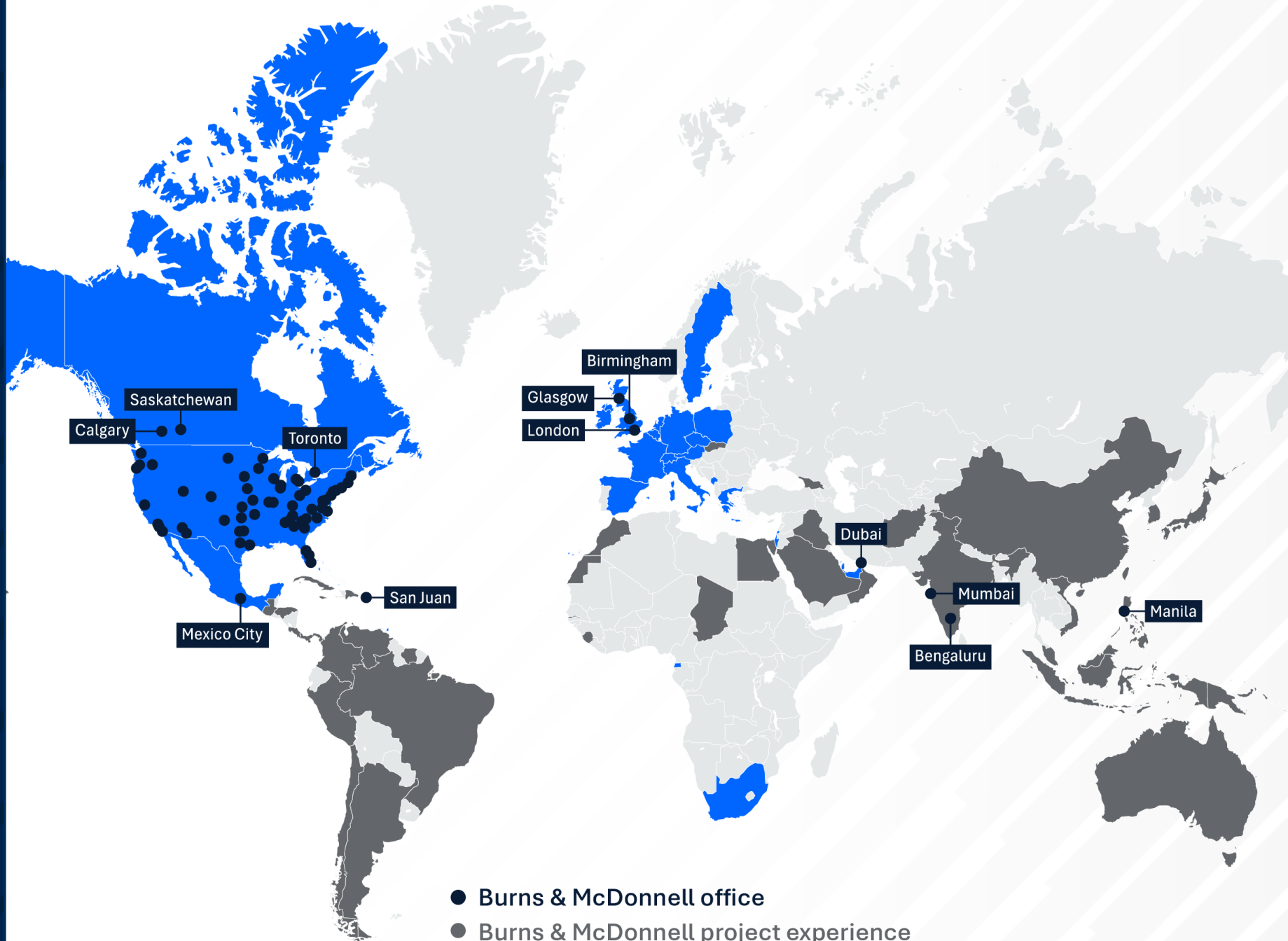
MORE THAN

\$75B

DATA CENTERS IN DEVELOPMENT

15GW+

DATA CENTERS DEVELOPED



- Burns & McDonnell office
- Burns & McDonnell project experience
- Data center project experience

TOP 40 BIGGEST

DATA CENTER MARKETS

2024

BY ELECTRICITY CONSUMPTION in MEGAWATTS

Unlike real estate which is measured in square footage, data center size is measured in electricity capacity and consumption.

To determine data center size, server density is key because many servers can be stacked vertically into the same footprint, enabling more value from the same square footage.

More servers means more bandwidth but also more power consumed.



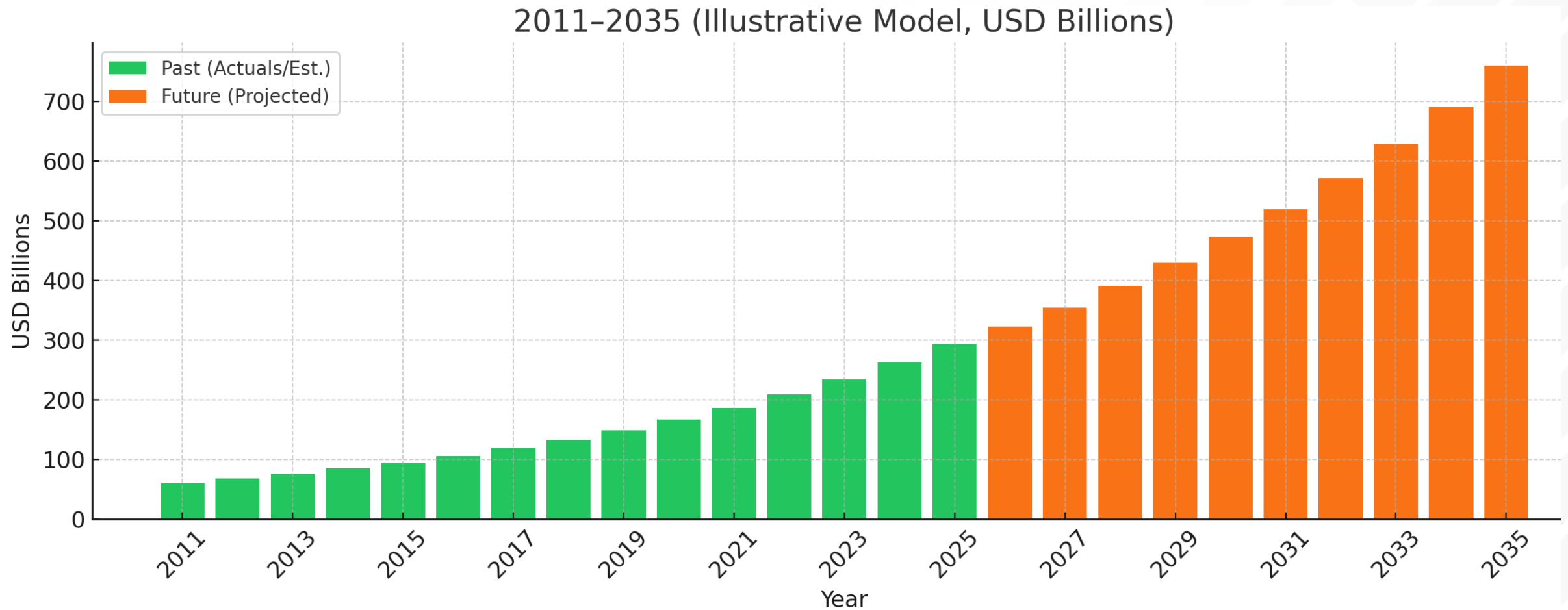
VIRGINIA
4,694

Megawatts
1 megawatt =
1 million watts

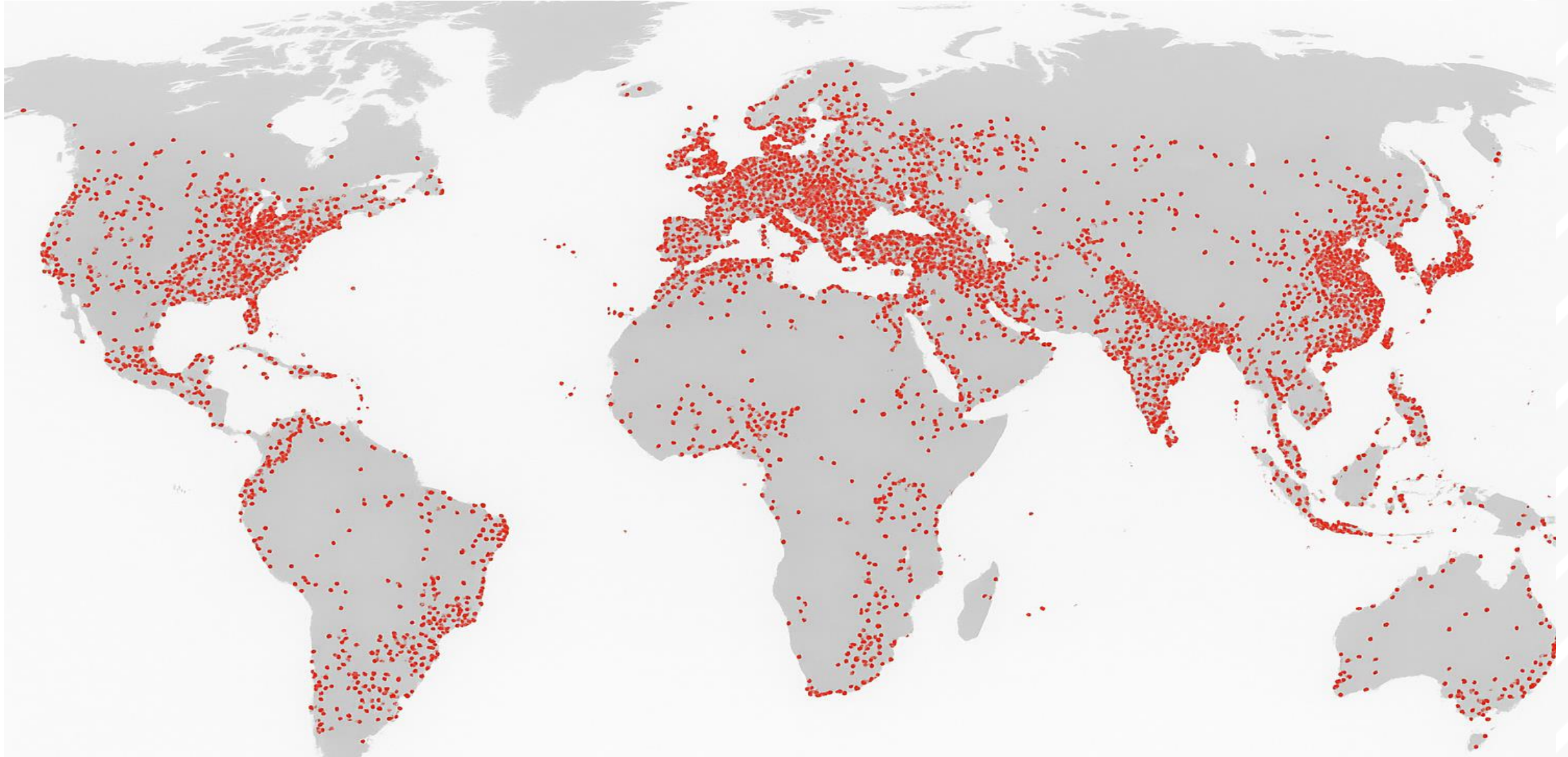


Artificial intelligence increased demand worldwide in 2024, altering both site selection strategy and data center design.

Global Data Center Construction Spending



1000 Largest Metros by GDP



Q & A

