

Top 3 States Hold 20.0% of U.S. Power Operations

20.0% of U.S. Power in 3 States

Texas, California, Florida dominate electric operations — a new bottleneck for
AI and energy resilience

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THE DATA

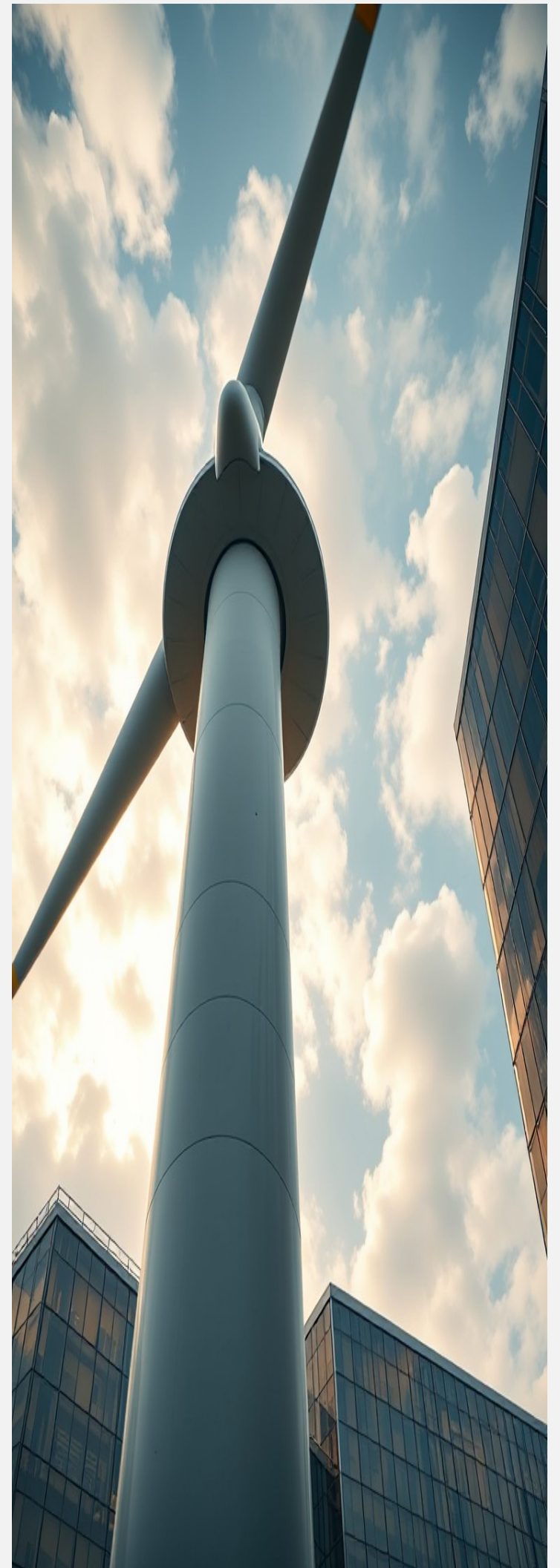
20.0%

Share of America's Electric Power Operations in Its Top Three States (2022)

Texas, California, and Florida together account for one-fifth of all U.S. electric power operations.

This concentration reflects not just population density or economic output, but a structural imbalance in grid infrastructure. The top three states house the majority of large-scale generation, transmission, and distribution infrastructure, making them critical nodes for any AI-driven energy optimization system. Their dominance means that AI models must be trained on regional data to avoid systemic blind spots.

Source: U.S. Census Bureau, County Business Patterns 2022, NAICS 2211 (Electric power generation, transmission and distribution) · ALEX Intelligence computation
<https://alex-companies.com/data/2026-09-10-ai-energy-conc-2211-state>



01

AI Grids Must Adapt to 3-State Dominance

To avoid this, AI systems must be designed with multi-region calibration layers, using federated learning across state-specific datasets. The concentration of power operations makes this not a luxury, but a necessity for national grid stability.

02

Data Centers Will Cluster Around the Core

This clustering is not just efficient—it's inevitable. But it also means that AI's role in energy will shift from a national stabilizer to a regional amplifier, reinforcing existing imbalances. The long-term risk is a bifurcated grid: a high-performance core and a vulnerable periphery.



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george@alex.realestate · +1 713.918.9951



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