

The U.S. Wind Energy Market: Operators, Manufactures & Investment Opportunities

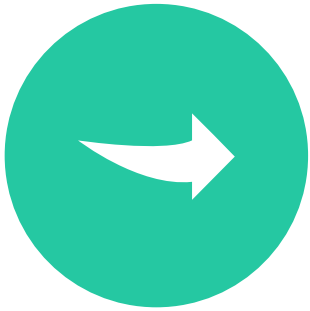


Overview: The U.S. Wind Energy Market

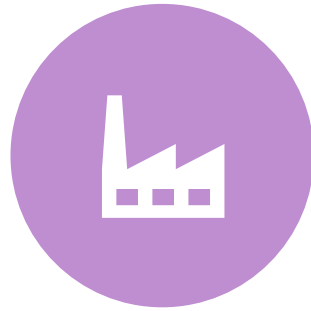
This presentation explores how wind energy has expanded in the U.S., who the major manufacturers and operators are, and where the greatest opportunities for future investment lie



Wind Energy Details



NUMBER OF TURBINES
= 65,322



TOTAL TURBINE
CAPACITY = 122,291 MW

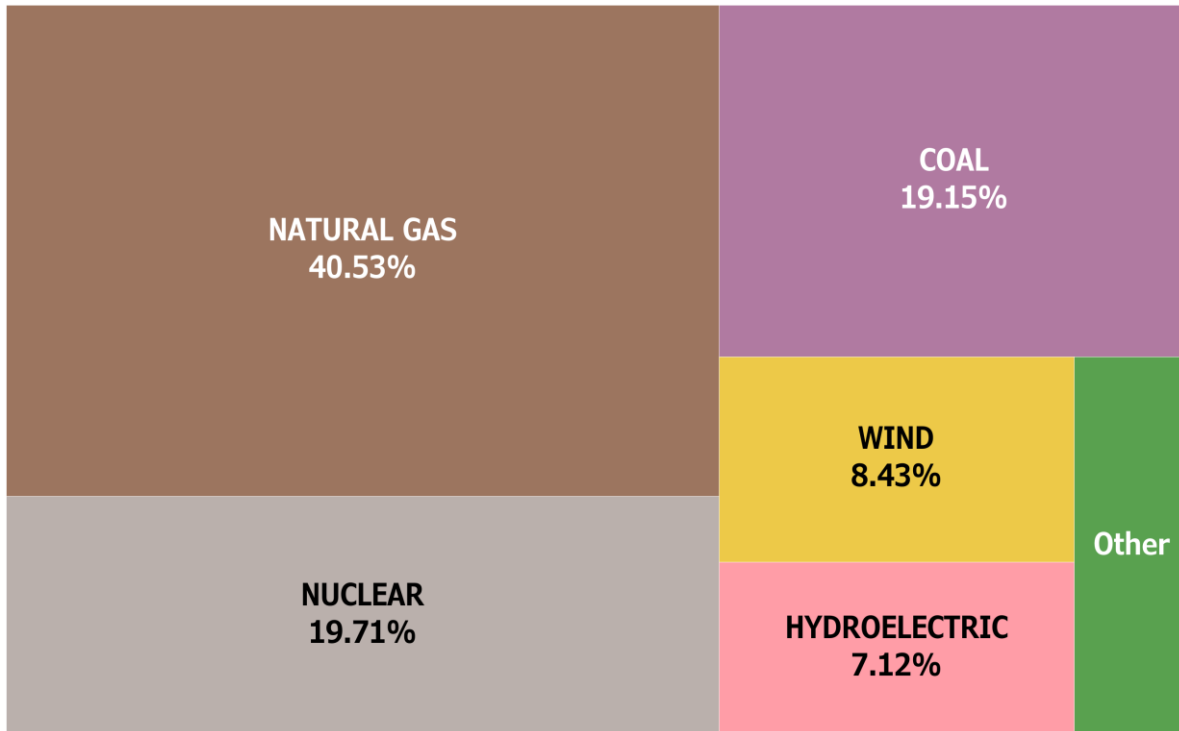


TOTAL WIND
GENERATION (2020) =
337,938,049 MWH



TOTAL EFFICIENCY
(2020) = 0.3867

Energy Market Overview

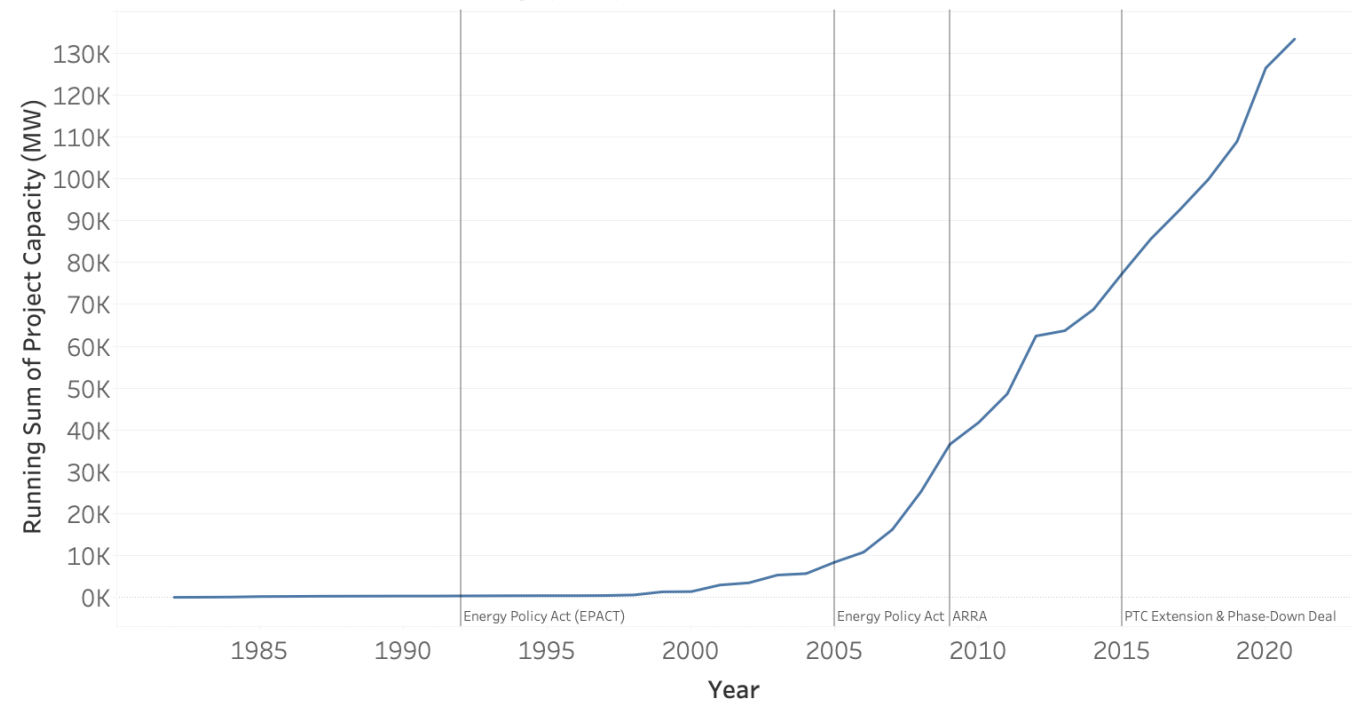


- While fossil fuels still dominate U.S. power generation, renewables are steadily increasing their share. Wind energy now surpasses hydro as the leading renewable source, highlighting growing opportunities for clean-energy investment.

Explosive Growth of Wind Power

- Wind capacity has expanded exponentially since 2005, supported by government incentives and advancing technology
- The U.S. now has over 130 GW of installed wind capacity — representing a major infrastructure transformation within two decades

Cumulative Installed Wind Capacity (MW) over time



Wind Turbines

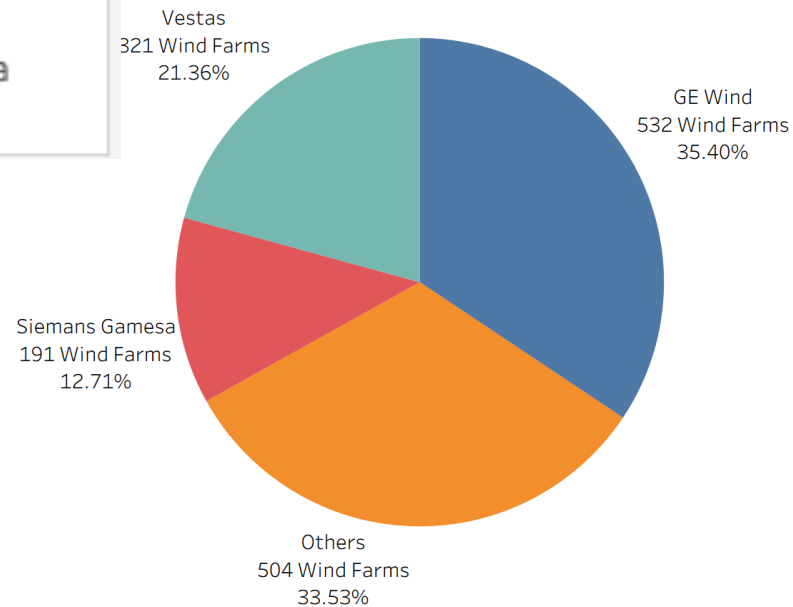
- Conversion of the kinetic energy of wind into electrical energy.
- They are low cost once installed.
- Renewable and sustainable energy source.



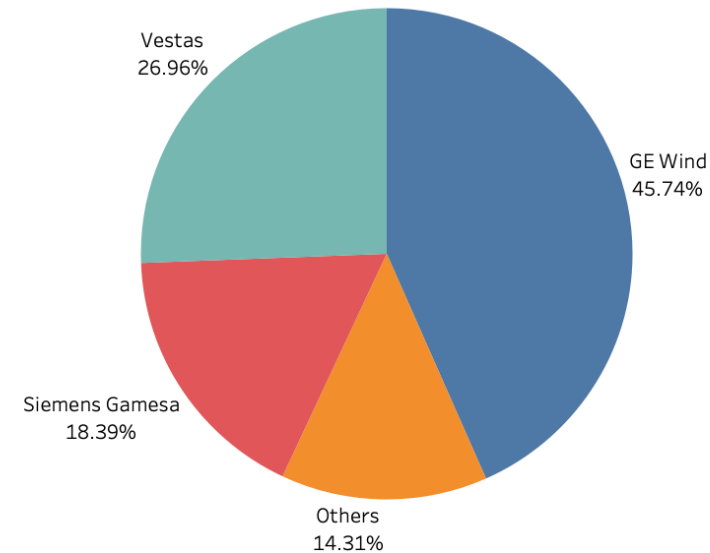
Who Builds America's Turbines?



Number of Wind Farms

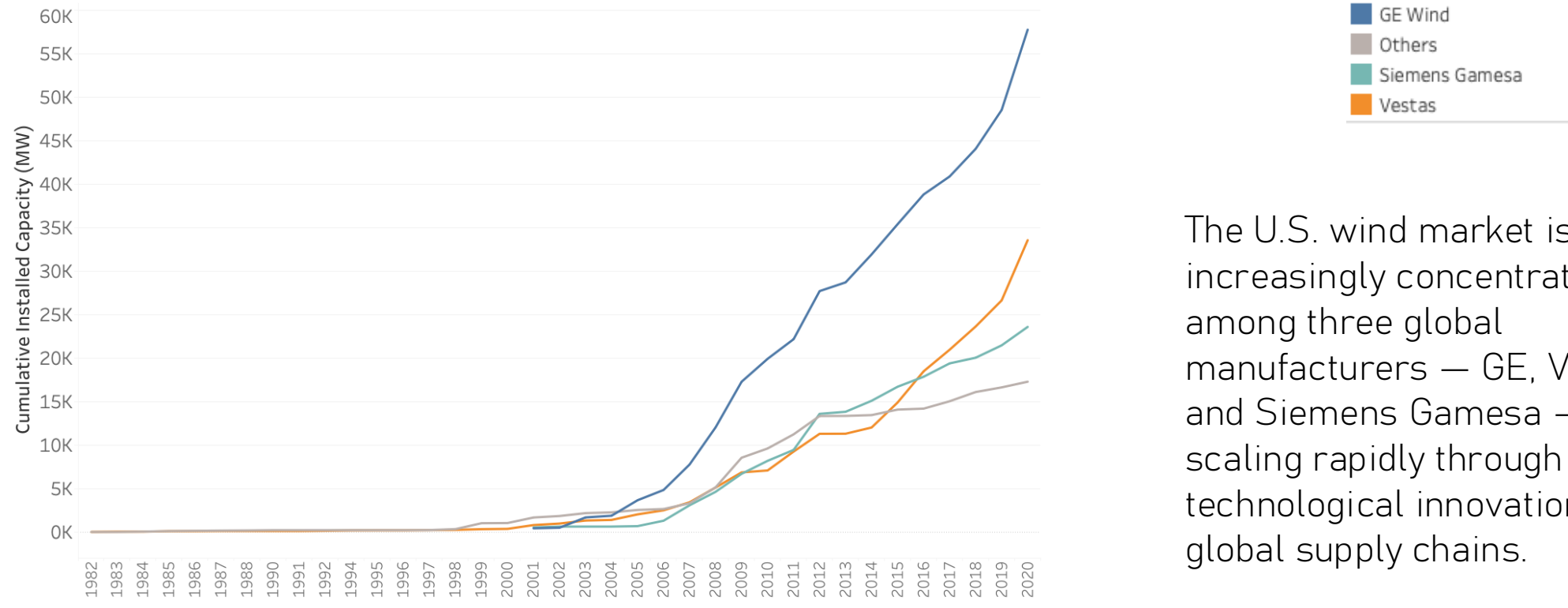


Cumulative Capacity



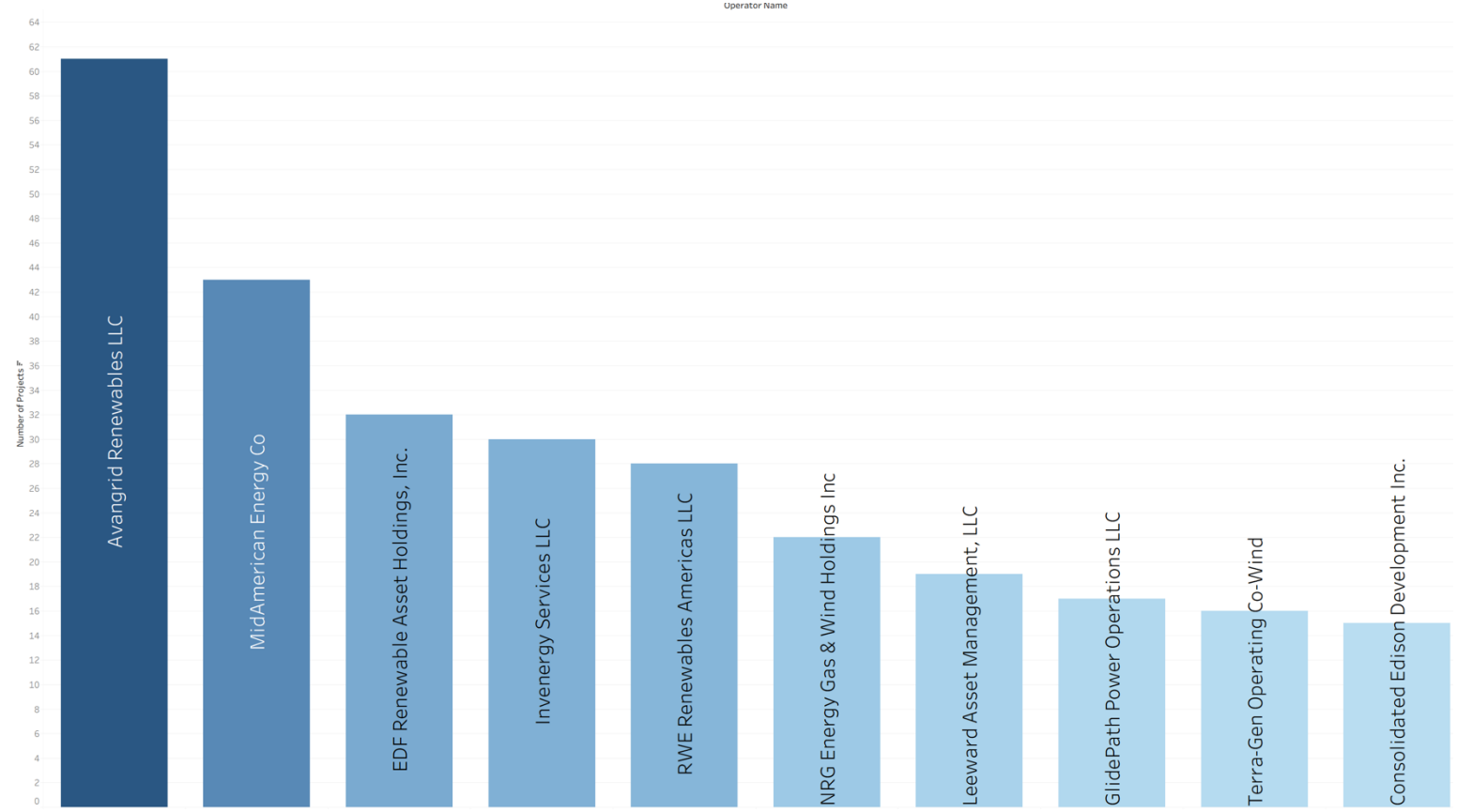
How these companies have grown:

Cumulative Installed Wind Capacity by Manufacturer

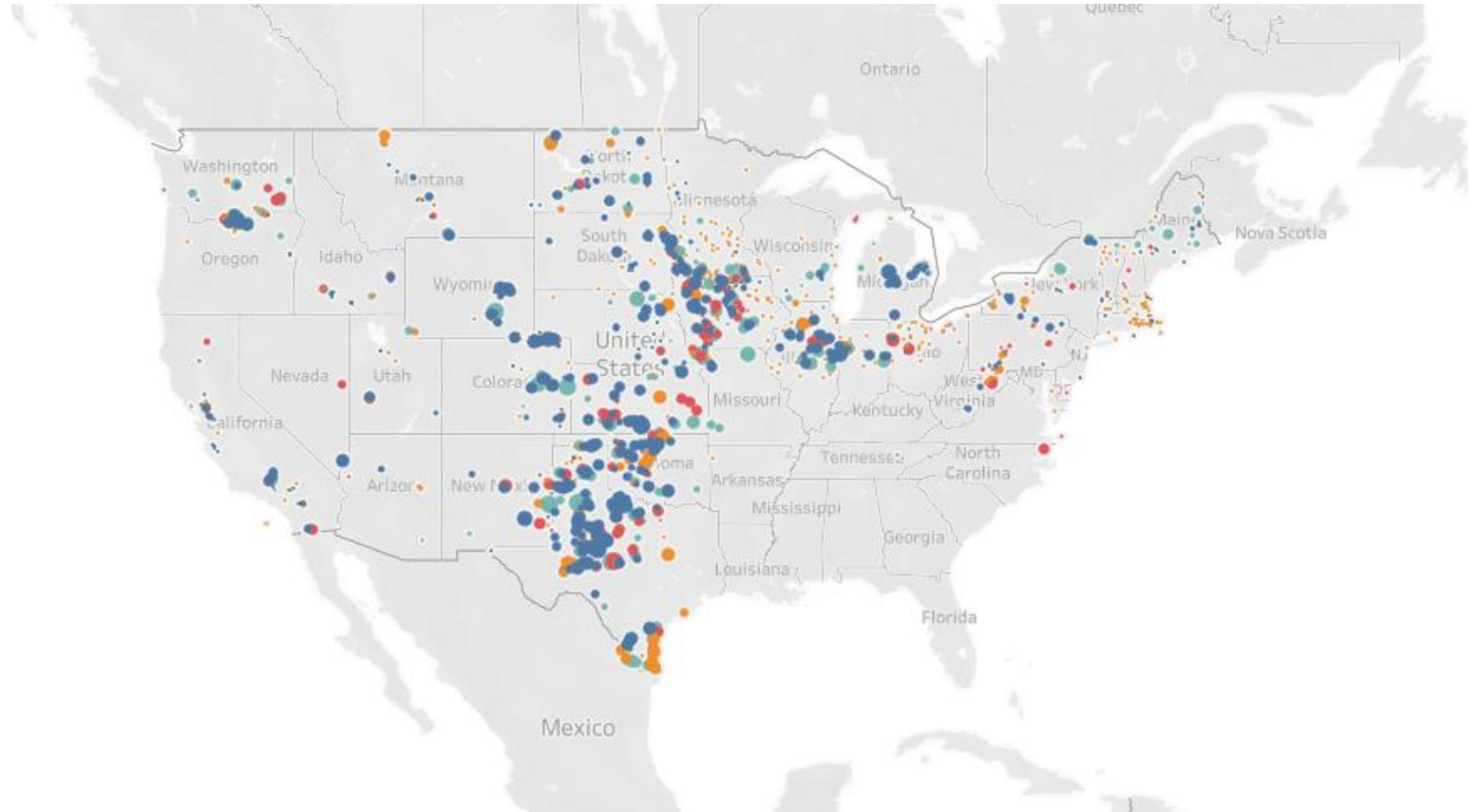


The U.S. wind market is increasingly concentrated among three global manufacturers — GE, Vestas, and Siemens Gamesa — all scaling rapidly through technological innovation and global supply chains.

Who Operates the Wind Farms?



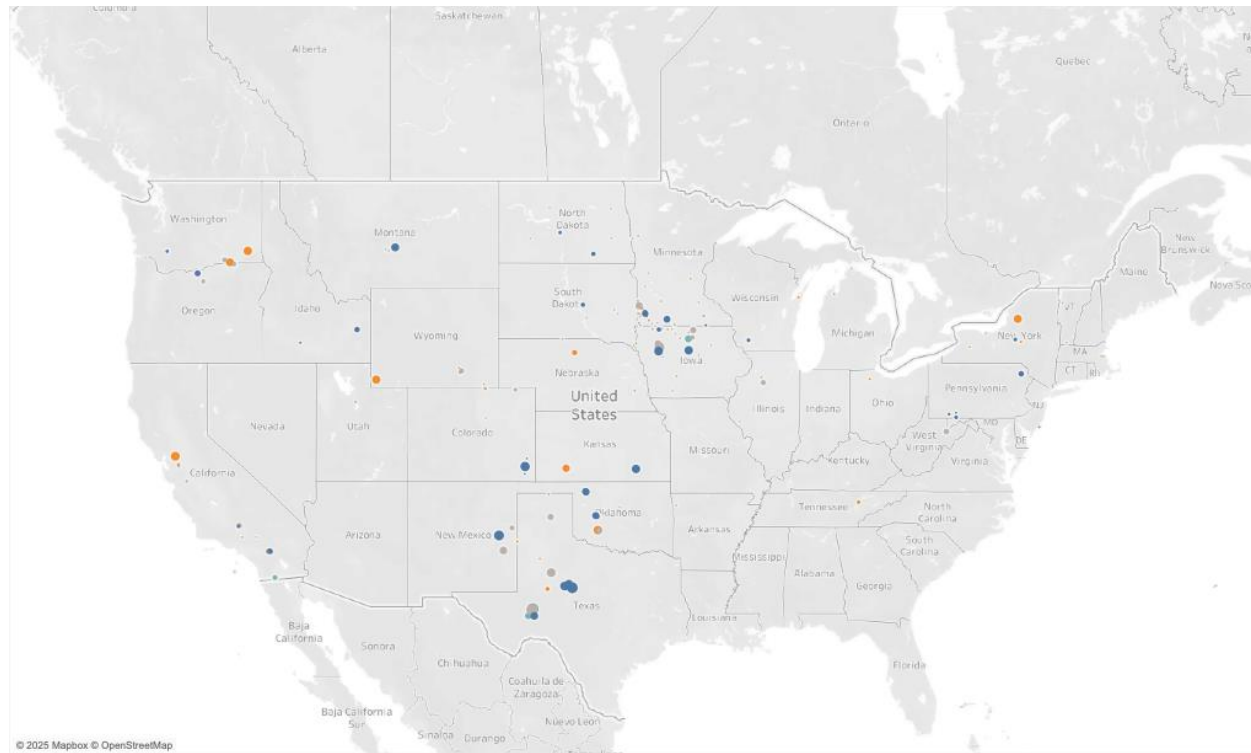
Where Wind Farms Are Concentrated Across the U.S.



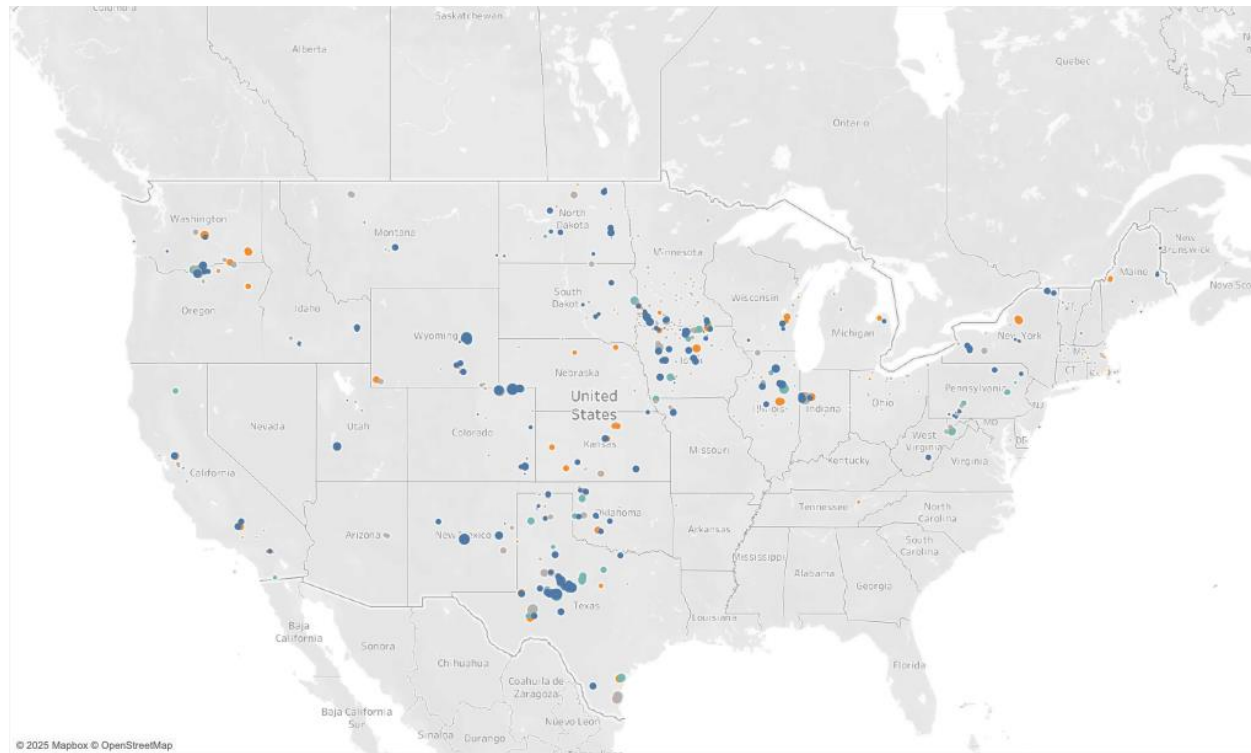
2000



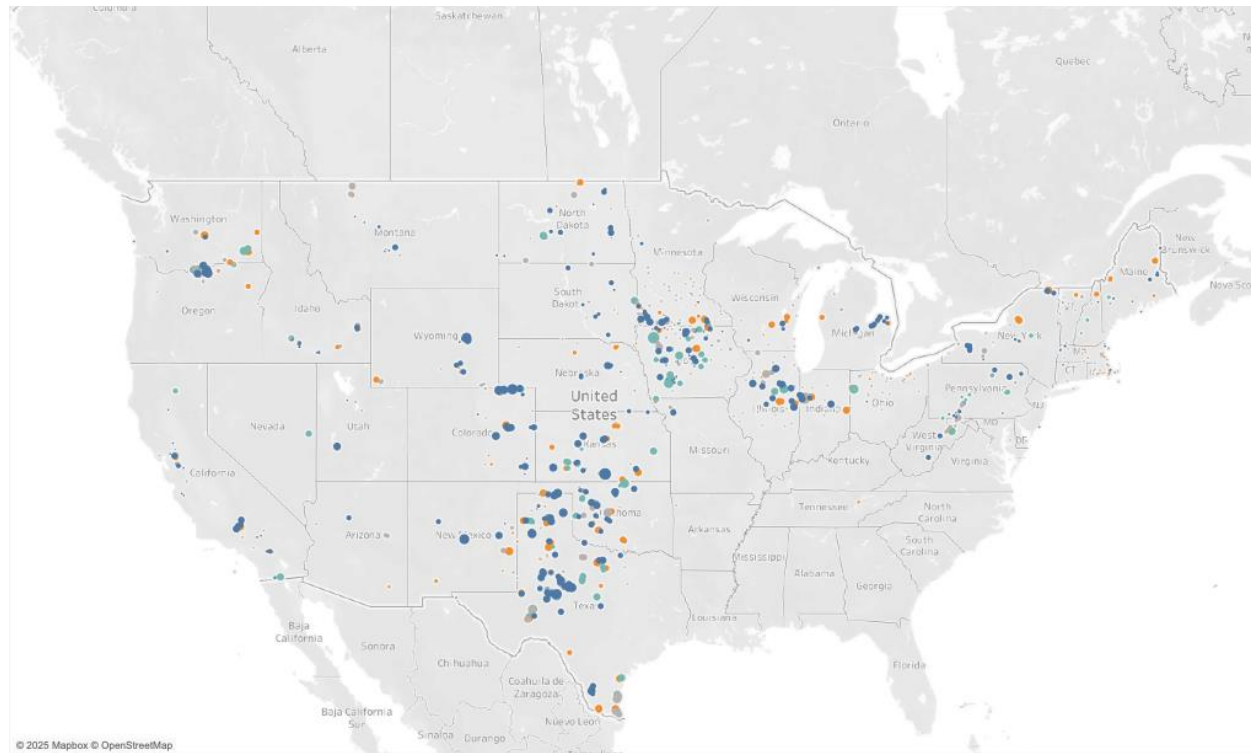
2005



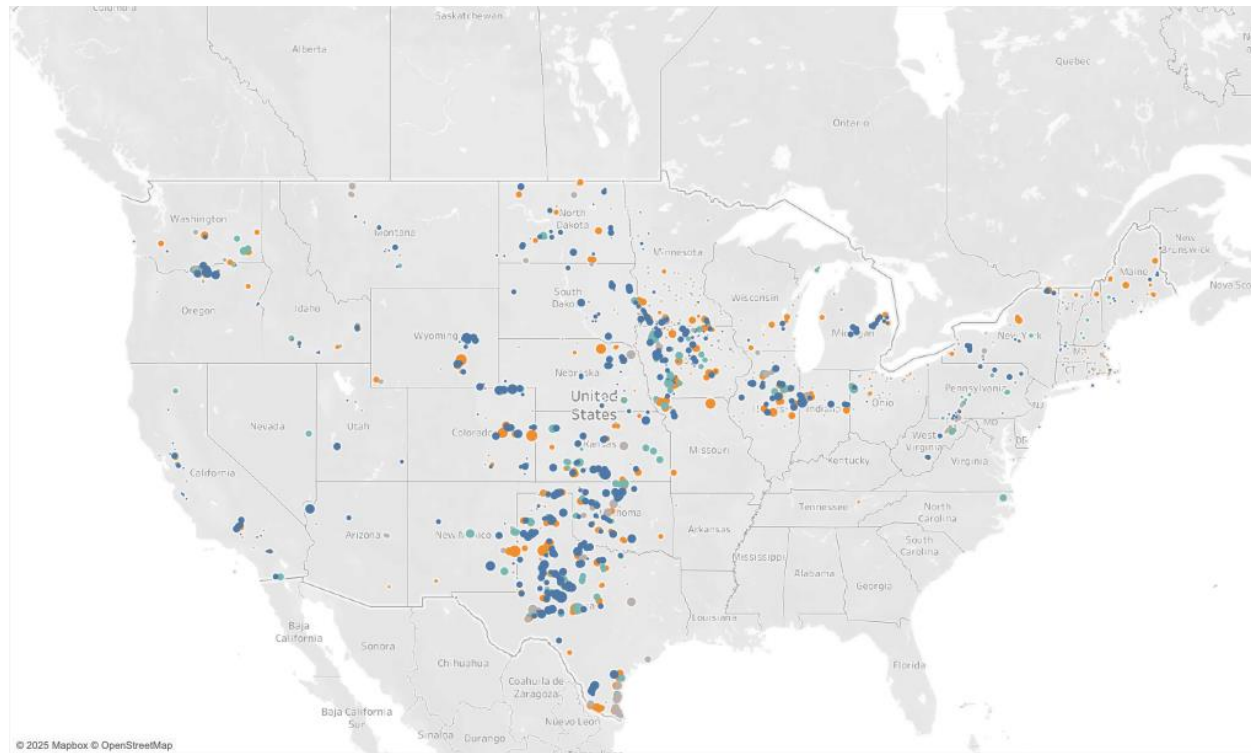
2010



2015

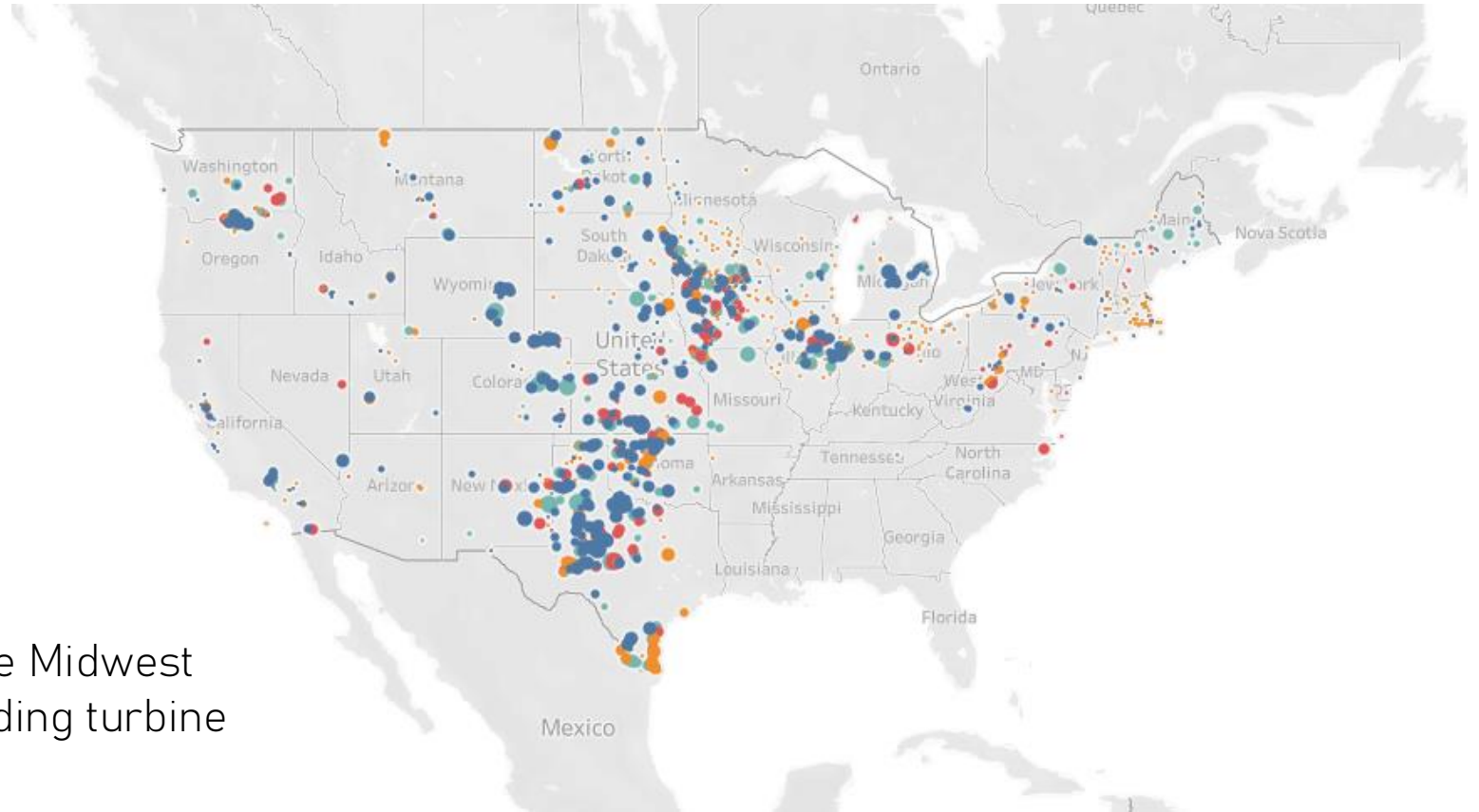


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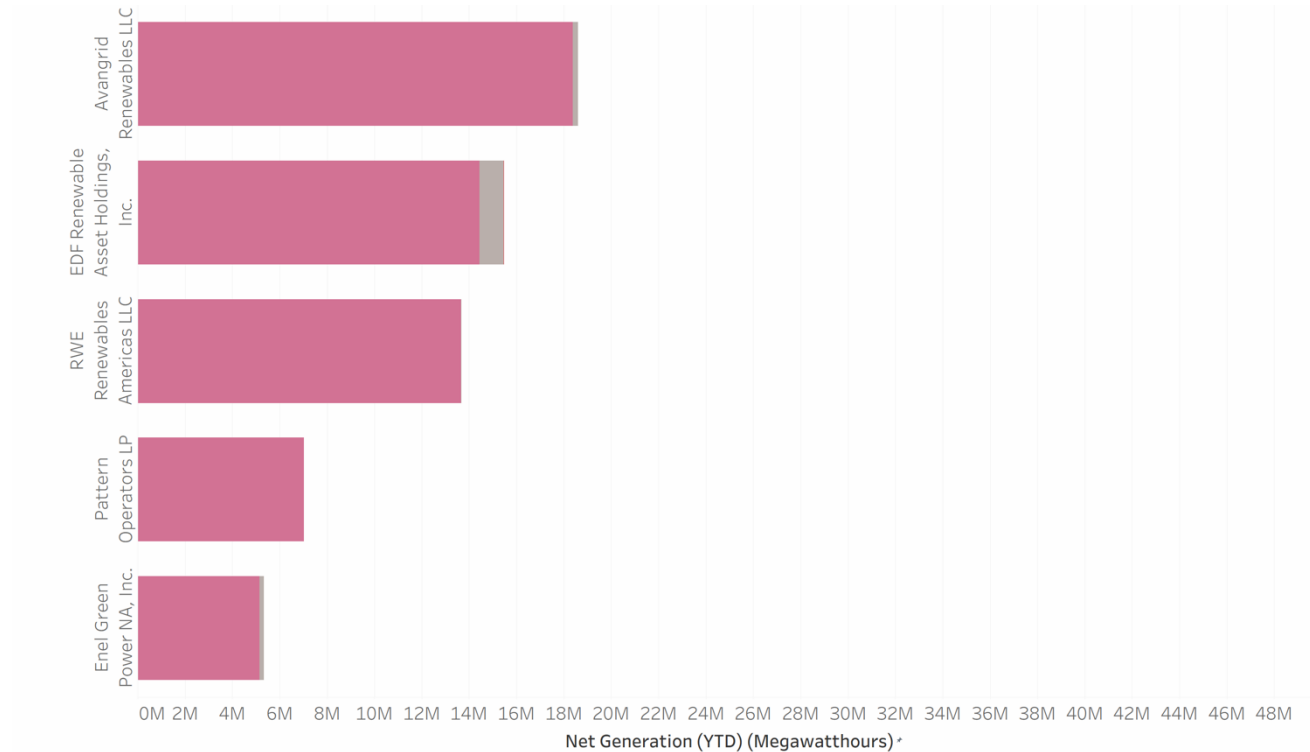


Where Wind Farms Are Concentrated Across the U.S.

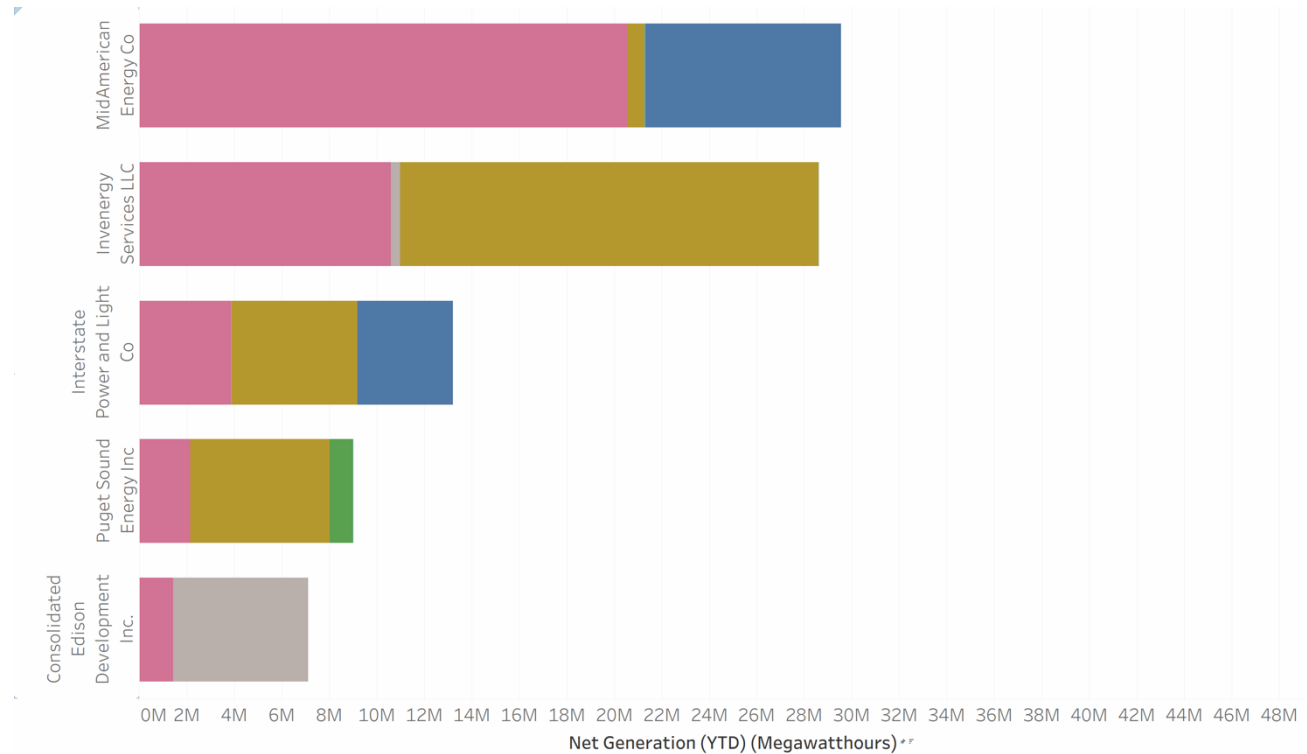
Wind farms are concentrated in the Midwest and Texas, with GE and Vestas leading turbine supply



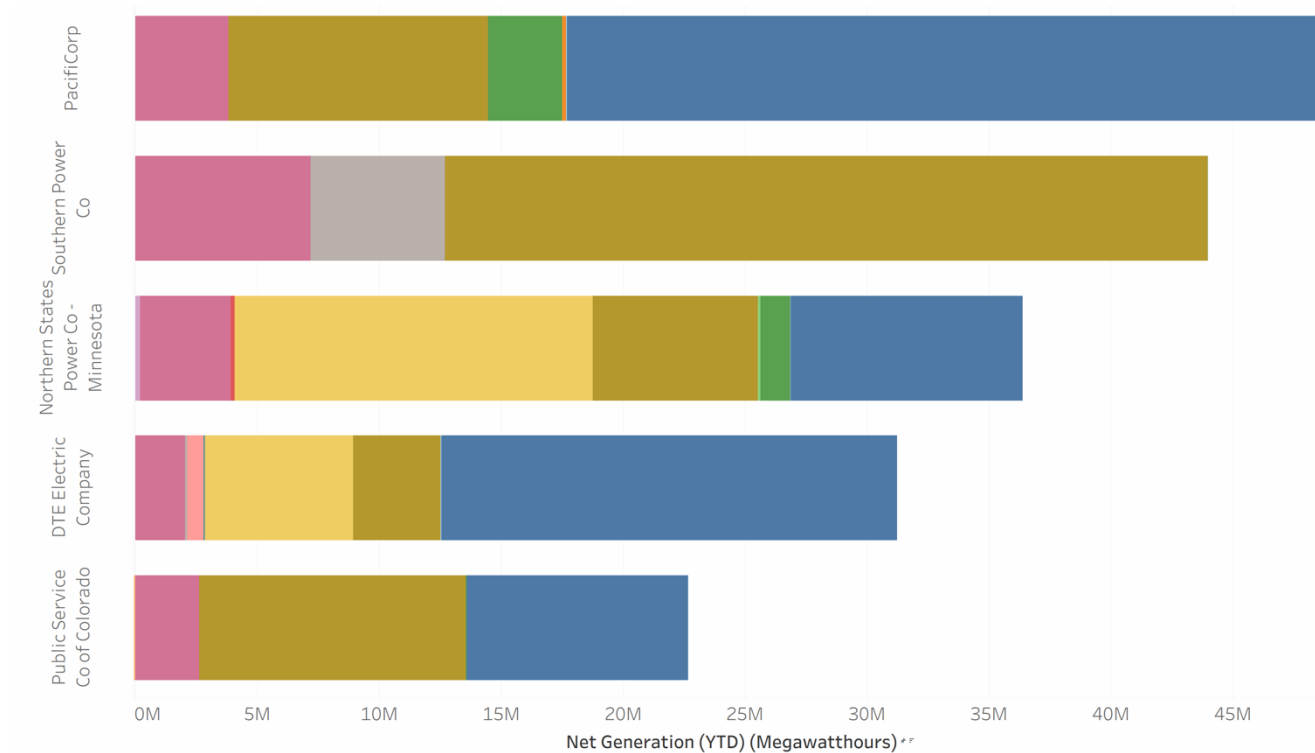
Top 5 Pure Wind Operators



20-80% Wind



< 20 % Wind





Key Insights & Investment Takeaways

- Wind energy now supplies over 8% of U.S. electricity, up from almost zero in the 1980s.
- Growth was accelerated by policy incentives and rapid turbine innovation.
- The market is concentrated among three OEMs — GE, Vestas, and Siemens Gamesa — representing nearly 90 % of capacity.
- Operator landscape spans from pure-play renewables to legacy utilities still in transition.