Wind Energy Production in Tornado Alley

Wind Energy Production in Tornado Alley

363,916 mi² of land

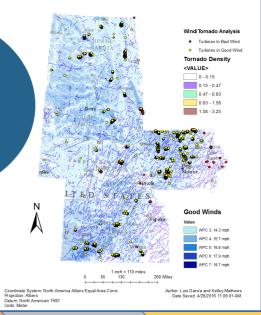
Kelley Mathews and Luis García, University of Colorado, Colorado Springs

65 yrs of Tornado Data 12,417 Tornadoes

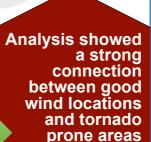
6,871 Turbines

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Is there a connection between prime wind energy producing land and extreme weather that may endanger energy production?



Wind Energy Production Potential (Top 5 States) Correlation Between Existing Iowa Wind Farms & Tornado Prone Regions



States with Most Potential

Good Wind Areas

Tornado Prone Areas

Existing Turbine Locations & Good Wind Locations

Existing Turbines, Good Winds & Tornado Regions

Wind Power Class (WPC) 3 or Higher = Good Power Generation