

Texas - Annual Wind Power at 50-m Height

The original data was provided by the Alternative Energy Institute - West Texas A&M University. They created the data using several years and multiple sites of data that AEI installed, maintained, and analyzed.

Wind Power Class	Resource Potential	Wind Power Density at 50m W/m ²	Wind Speed ^a at 50 m m/s	Wind Speed ^a at 50 m mph
1	Poor	0 - 200	0.0 - 5.6	0.0 - 12.5
2	Marginal	200 - 300	5.6 - 6.4	12.5 - 14.3
3	Fair	300 - 400	6.4 - 7.0	14.3 - 15.7
4	Good	400 - 500	7.0 - 7.5	15.7 - 16.8
5	Excellent	500 - 600	7.5 - 8.0	16.8 - 17.9
6	Outstanding	600 - 800	8.0 - 8.8	17.9 - 19.7
7	Superb	> 800	> 8.8	> 19.7

^aWind speeds are based on a Weibull k value of 2.0



This map was produced by the National Renewable Energy Laboratory for the U.S. Department of Energy.
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