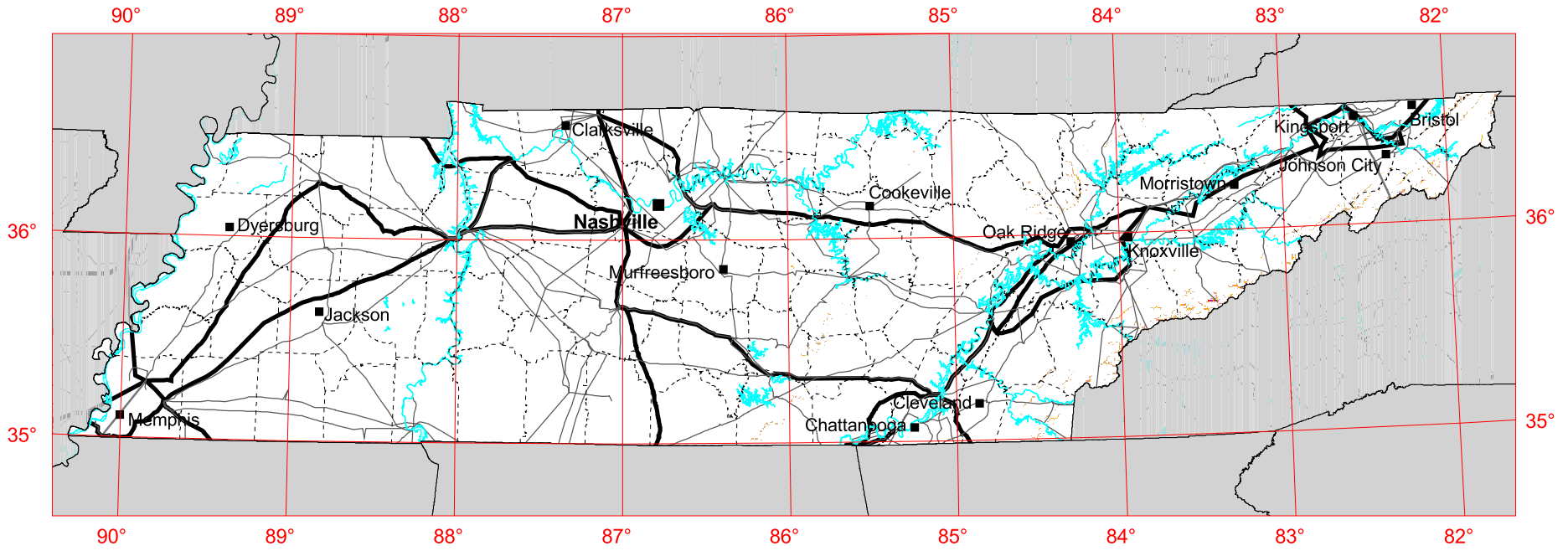
Tennessee - Annual Wind Power at 50-m Height



Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m^2	Wind Speed[a] at 50 m m/s	Wind Speed[a] at 50 m mph
1	Poor	0 - 200	0.0 - 5.7	0.0 - 12.8
2	Marginal	200 - 300	5.7 - 6.6	12.8 - 14.8
3	Fair	300 - 400	6.6 - 7.2	14.8 - 16.1
4	Good	400 - 500	7.2 - 7.8	16.1 - 17.5
5	Excellent	500 - 600	7.8 - 8.3	17.5 - 18.6
6	Outstanding	600 - 800	8.3 - 9.1	18.6 - 20.4
7	Superb	> 800	> 9.1	> 20.4

[a] Wind speeds are based on a Weibull k of 2.0 at 1000 m elevation.

The annual wind power estimates for this map were produced by AWS Truewind using their Mesomap system and historical weather data. It has been validated with available surface data by NREL and wind energy meteorological consultants.

Transmission Line*
Voltage (kV)
115 - 161
230
500

* Source: POWERmap, ©2005 Platts, a Division of the McGraw-Hill Companies

50 0 50 100 150 200 Kilometers
25 0 25 50 75 100 125 Miles

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