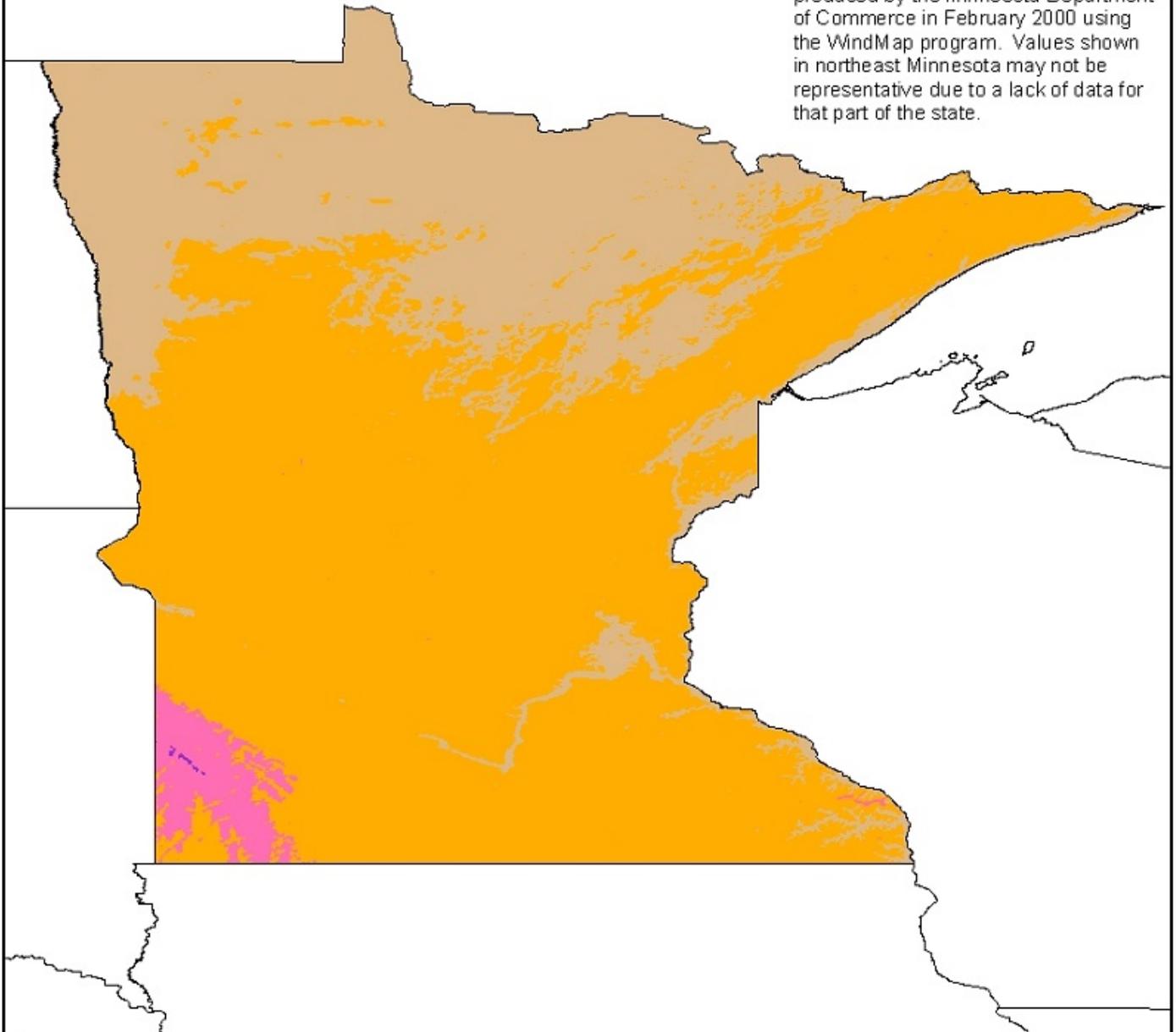


Minnesota - Annual Wind Power at 50-m Height

This wind resource assessment was produced by the Minnesota Department of Commerce in February 2000 using the WindMap program. Values shown in northeast Minnesota may not be representative due to a lack of data for that part of the state.



Wind Power Classification

| 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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