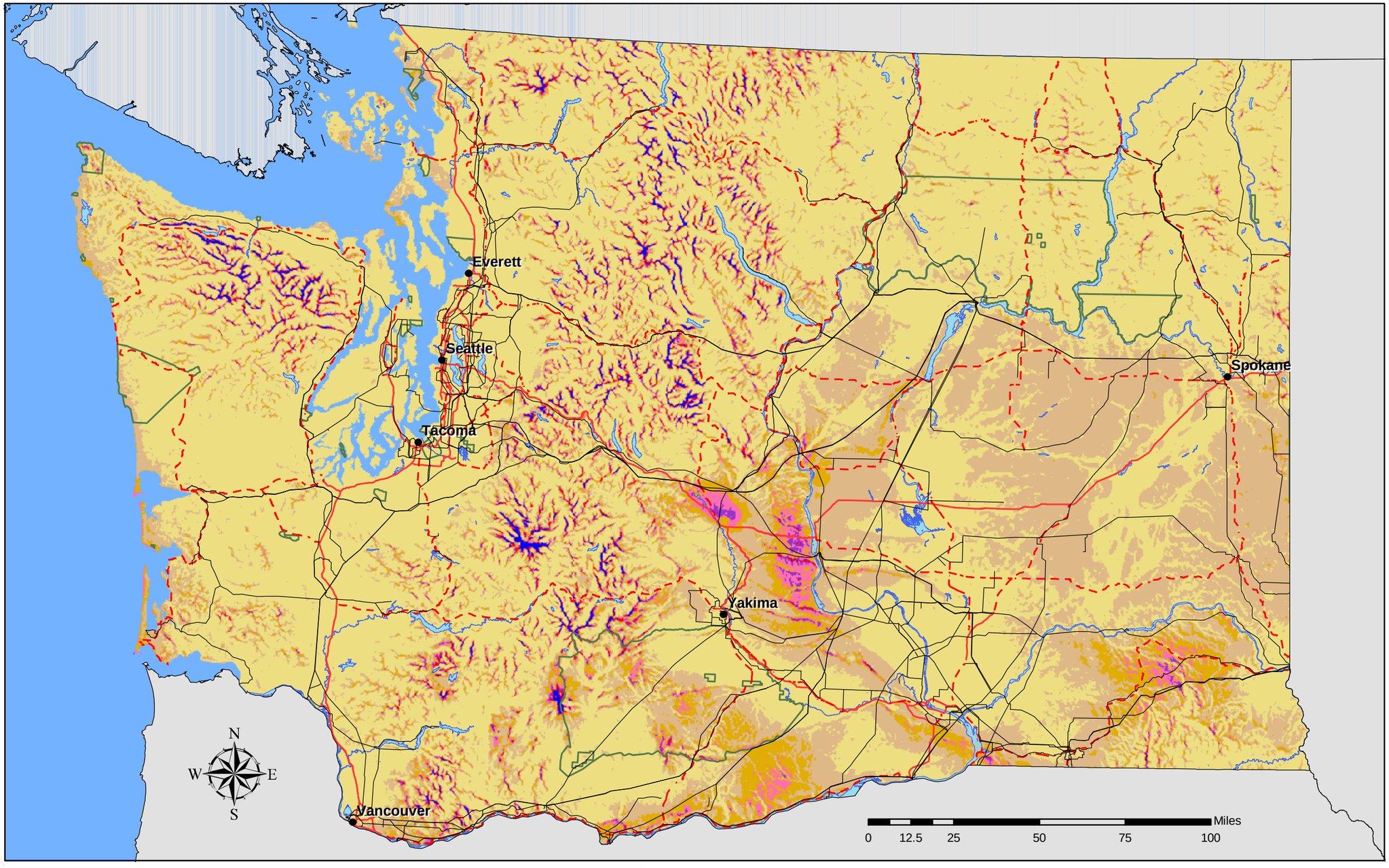
WINDPOWERMAPS.org

# Washington State Wind Power Resources




| Wind Power Class | Resource Potential | Wind Speed at 50 m (mph) |
|---|---|---|
| Class 1 | Poor | 0 - 12.5 |
| Class 2 | Marginal | 12.5 - 14.3 |
| Class 3 | Fair | 14.3 - 15.7 |
| Class 4 | Good | 15.7 - 16.8 |
| Class 5 | Excellent | 16.8 - 17.9 |
| Class 6 | Outstanding | 17.9 - 19.7 |
| Class 7 | Superb | > 19.7 |

- Major Cities
- Transmission Lines > 115 KW
- Limited Access Highway
- Highway
- Tribal Reservations

The wind resource estimates presented on this map were developed by TrueWind Solutions using MesoMap, a mesoscale atmospheric simulation system, at a spatial grid resolution of 400 meters (one-quarter mile). The estimates have been validated by the National Renewable Energy Laboratory (NREL) and independent meteorologist but should be confirmed by direct measurement according to wind energy industry standards.

Northwest Cooperative Development Center

TrueWind Solutions

Bonneville Power Administration

NREL

Northwest SEED — Sustainable Energy for Economic Development

Integral GIS

**Project Sponsors**

NREL, the Bonneville Power Administration, Northwestern Energy, the Wyoming Business Council, enXco, the Northwest Power Planning Council, Zilkha Renewable Energy, Klickitat County, EnronWind, ABB, Renewable Energy Systems (USA) Inc., Chelan Public Utility District, Idaho Power, Windland, Inc., WSACAA Energy Project, Vestas, Jones & Stokes, CH2M Hill, Suzlon Energy, Northwest Wildlife Consultants, Inc., and Cielo Wind Power.

**For more information see www.windpowermaps.org**