Chelan County PUD Wind Energy Resources

Overlay: Public Land Survey System Grid

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 meteorologists but should be confirmed by direct measurement according to wind energy industry standards.

The project is coordinated by Northwest Sustainable Energy for Economic Development (NWSEED) and the Northwest Cooperative Development Center (NWCDC) and sponsored by NREL, the Bonneville Power Administration (BPA), and numerous other organizations.

Twisp

Pateros

Chelan

Entiat

Leavenworth

Cashmere

Wenatchee

East Wenatchee

DOUGL

GRA

0 3 6 12 18 24 Miles

Legend

- FCC Towers
- Public Land Survey System Grids
- Utility Service Area Boundaries

Transmission Lines (KW)

- 115
- 138
- 161
- 230
- 345
- 500

Road Classification

- Limited Access Higwhay
- Highway
- Local Roads
- Ramps

Wind Power Class	Resource Potential	Wind Speed at 50 m (mph)
Class 1-	Poor	0 - 9.8
Class 1+	Poor	9.8 - 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

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