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"Energy is a critical component in sustaining Utah's vibrant economic growth and preserving our unparalleled quality of life. With just the right blend of ambition, brain power and diverse natural resources, Utah stands ready to lead the charge in energy efficiency, renewable and alternative energy development and new and innovative technologies."

- Governor Jon M. Huntsman, Jr.

Beginning Monday, Aug. 4, 2008 our office hours are changing.
New hours: Monday - Thursday 7:00 am - 6:00 pm.
Closed Fridays.
While our offices are not open on Fridays, information is available on our web-site regarding current energy programs.

What's New

Pacific Power and Rocky Mountain Power invite applicants to apply for potential renewable energy project funding. More info

- Blue Sky Grant Opportunity

- Wind Energy - Utah
- Governor Huntsman Signs Energy Independence Pledge
- Western Climate Initiative proposed framework
- Governor Huntsman Announces Creation of Utah's Renewable Energy Zone Task Force

Read all of the What's New News

Quick Links

Utah Renewable Energy Zone Task Force Fuel Saving Tips Save Energy In Your Home PowerForward

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Renewable Energy in Utah

Overview of the programs and incentives available at Utah Geological Survey's State Energy Program regarding renewable energy

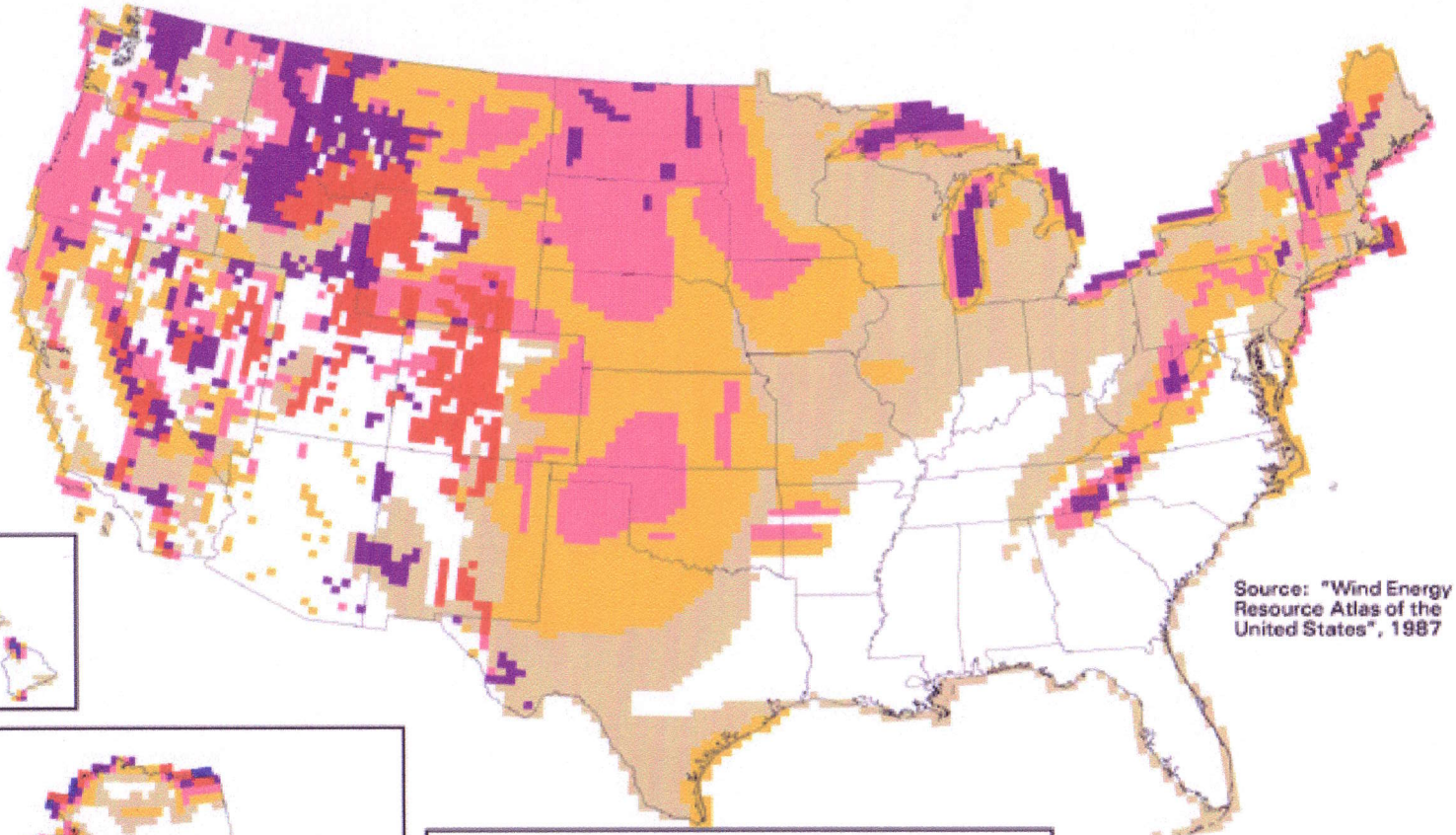
- **Solar * Geothermal * Wind * Biomass**

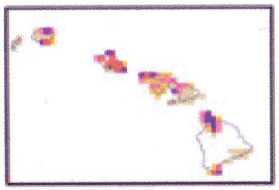
***please note that our Web site address has changed from www.energy.utah.gov to http://geology.utah.gov/sep**

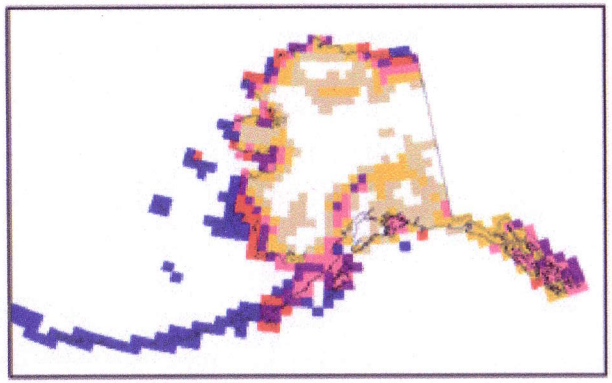
Department of Natural Resources - UGS
State Energy Program

Wind Energy

United States - Wind Resource Map







Source: "Wind Energy Resource Atlas of the United States", 1987

Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m²	Wind Speed[a] at 50 m m/s	Wind Speed[a] at 50 m mph
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 - 1600	8.8 - 11.1	19.7 - 24.8

[a] Wind speeds are based on a Weibull k value of 2.0

U.S. Department of Energy
National Renewable Energy Laboratory

NREL

20-MAR-2000 1.1.5

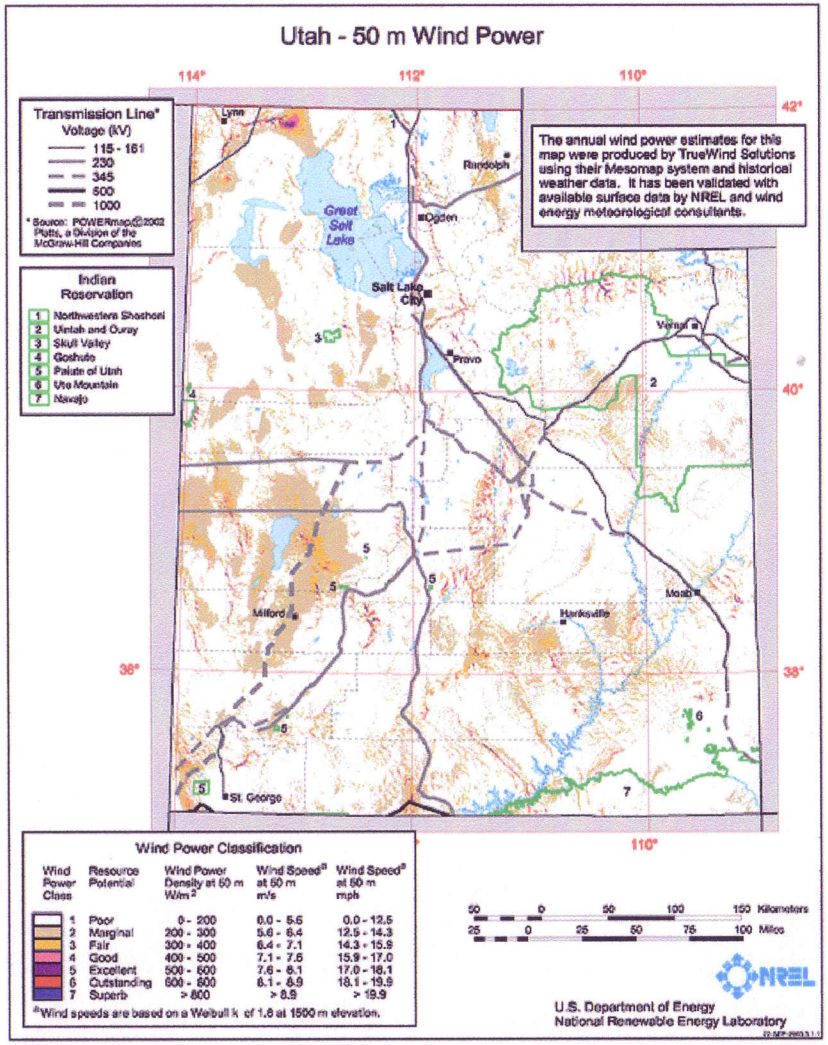
Utah Wind Resource

Map by AWS TrueWind

Validated by NREL

Wind Power Classification

Wind Power Class	Resource Potential	Wind Power Density at 50 m W/m²	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 - 7.1	14.3 - 15.9
4	Good	400 - 500	7.1 - 7.6	15.9 - 17.0
5	Excellent	500 - 600	7.6 - 8.1	17.0 - 18.1
6	Outstanding	600 - 800	8.1 - 8.9	18.1 - 19.9
7	Superb	> 800	> 8.9	> 19.9

[a]Wind speeds are based on a Weibull k of 1.8 at 1500 m elevation.

http://geology.utah.gov/sep