Small wind EXPLORER

Customer Report

4/12/2013 12:11:18 AM

Land Owner: Davidson
Location: Daniels Road Wilson, NY

Wind Energy Potential

Very Poor

Below Average

Average

Above Average

High

Recommendation is based on atmospheric models and historical weather data; actual speeds and system productions will vary with terrain, local obstacles, and turbine selection. For more information on the Wind Energy Potential categories, please see the FAQ page (nyswe.awstruepower.com/SWEFrequentlyAskedQuestions.pdf). Contact a NYSERDA eligible installer with this wind resource report for further consultation (http://www.powernaturally.org/Programs/Wind/Installers_bycounty.asp?i=8)

Estimated Wind Resource and Annual Net Energy

Wind Resource	80 ft (24.4 m)	100 ft (30.5 m)	120 ft (36.6 m)
Average Annual Wind Speed	11.54 mph	12.15 mph	12.64 mph
Annual Net Energy	**80 ft (24.4 m)**	**100 ft (30.5 m)**	**120 ft (36.6 m)**
5kW Turbine	400 kWh - 1500 kWh	400 kWh - 1700 kWh	500 kWh - 1900 kWh
10kW Turbine	1500 kWh - 5900 kWh	1700 kWh - 6900 kWh	1900 kWh - 7700 kWh
20kW Turbine	5900 kWh - 13300 kWh	6900 kWh - 15500 kWh	7700 kWh - 17300 kWh
50kW Turbine	13300 kWh - 23700 kWh	15500 kWh - 27500 kWh	17300 kWh - 30700 kWh

100ft Wind Resource Map
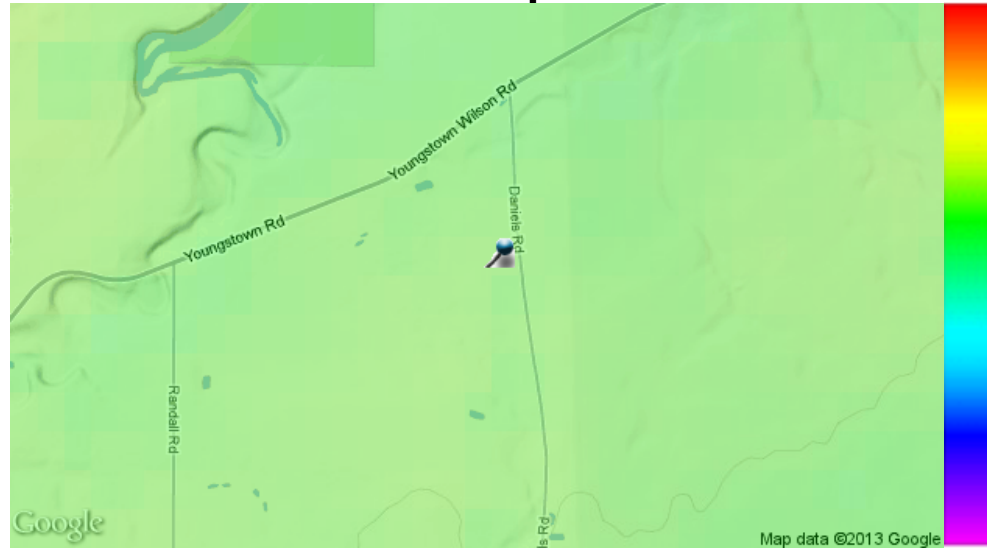
Wind Rose
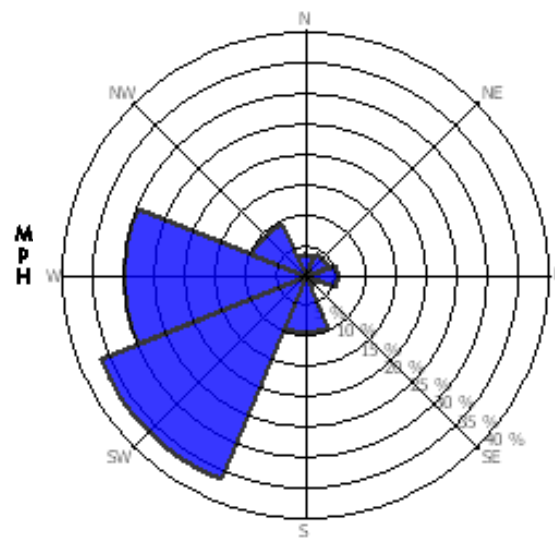
Latitude = 43.28858°, **Longitude** = -78.85360°, **Elevation**= 295.28ft (90 m)