

# Alternative Energy

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## TEST RESULTS INCREASE CLEANFIELD'S TURBINE POWER RATING IN POWER NEWS > FYI

BY AER STAFF ON THURSDAY 28 SEPTEMBER 2006



**Cleanfield** Alternative Energy, an Ancaster, Ontario-based developer of vertical axis wind turbines (VAWT), has released positive testing results for its consumer and commercial turbine. Testing was conducted over a two-day period by McMaster University's faculty of engineering at the National Research Council of Canada's nine-meter wind tunnel facility located in Ottawa.

Testing results show that **Cleanfield** Alternative Energy's turbine can easily operate at higher wind speeds without modification, the company says. Wind tunnel tests were conducted at various speeds, from 13 mph to 36 mph, to measure performance power curves. At 36 mph, the company says the turbine's rotary speed climbed over 130 RPMs, which indicates well over 3 kW of power generation. Torque and vibrations from the turbine instrument package were also monitored, along with structural integrity and safety.

"We are ecstatic over the results," comments Tony Verrelli, **Cleanfield** Alternative Energy's president and chief executive officer. "This not only confirms that we have a superior product, but it has encouraged us to increase the rated power capacity of the turbine. This means that our turbine will be rated at 3.5 kW - a 40% increase over our original plan to market the turbine at 2.5 kW. The increase in power rating will attract a wider range of customers to our rooftop and small tower model."

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Wind & Solar  
Rugged Mount  
For Severe Climate

WIND ARROW  
Built in Canada



TRUE-NOR  
POWER

FOR DEMAND  
OFF-GRID &  
GRID-TIE  
APPLICATION



Wood