



Cleanfield Energy Modifying Its Inverter For Solar PV Application

HAMILTON, ONTARIO – October 20, 2009 - Cleanfield Alternative Energy Inc. (TSX Venture: AIR), the parent company of Cleanfield Energy Corp ("Cleanfield"), an international leader in Vertical Axis Wind Turbine (VAWT) solutions, announced today that it is developing a solar photovoltaic (PV) technology inverter. Cleanfield's CEO Tony Verrelli said, "We expect the Ontario Power Authority's new renewable energy feed-in tariff program to significantly accelerate the production and installation of solar PV systems in the Ontario market. Our proprietary wind inverter is well tested, certified and proven for commercial applications, so we are now modifying it to accommodate the requirements of solar panels and collaborating with solar technology specialists in product manufacturing."

Ontario's Feed-in Tariff (FIT) Program: Ontario's renewable energy FIT program is North America's first comprehensive guaranteed pricing structure for electricity production under long-term contracts from renewable energy sources, including wind and solar PV power. On October 1, 2009, the OPA launched a FIT program for projects over 10 kW of installed power capacity, and a microFIT program for projects under 10 kW.

Cleanfield's Solar System Inverter (SSI): Cleanfield has successfully developed a wind power inverter in accordance with international standards in terms of power quality, safety and environmental factors. An inverter converts energy generated by wind turbine or solar panel to AC electricity. Cleanfield is expanding the use of its innovative inverter to solar PV and wind/solar hybrid applications with the SSI, with features including: high efficiency, PV maximum power tracking, parallel operation capability single/3-phase operation (grid interactive), and auxiliary control. Cleanfield hopes to launch the SSI in the second half of next year. The company will mainly target sales to residential and commercial customers, for applications below 10 kW of capacity (eligible for the microFIT Program). The parallel operation capability of the SSI will also allow applications above 10 kW (eligible for the FIT program).

Cleanfield and Supan Technologies are collaborating on the development and demonstration of hybrid PV-VAWT systems in Ontario. Supan Technologies conducts PV research and offers PV manufacturing solutions and advisory services. According to Supan's Senior Vice President and Chief Technology Advisor Dr. Raye Thomas, "There is a lack of PV modules and inverters particularly for solar installations under 10 kW manufactured in Ontario, making it difficult to meet the Ontario content requirements for PV systems installed under the microFIT program. Cleanfield's SSI will be designed and manufactured in Ontario, thereby meeting OPA's requirements."

About Cleanfield Energy: Cleanfield is dedicated to developing renewable energy products primarily for urban environments. The Company produces an industry leading Vertical Axis Wind Turbine, which can be installed in various ways, produces green renewable energy quietly and cost effectively, and is sold worldwide. Cleanfield also provides purchase financing to qualified customers. The Company is a subsidiary of Cleanfield Alternative Energy Inc., which trades on the TSX Venture Exchange under the symbol AIR.

Forward-looking Statements: Certain statements in this news release may be considered to be forward-looking. These statements relate to future events or Cleanfield's future economic performance and reflect the current assumptions and expectations of management. Certain unknown factors may affect the events, economic performance and results of operations described herein. Cleanfield undertakes no obligation, and does not intend to update or revise any forward-looking statements, whether as a result of new information, future events or otherwise, except as may be required under applicable law.

The TSX Venture Exchange does not accept responsibility for the adequacy or accuracy of this release.

FOR FURTHER INFORMATION: Go to www.cleanfieldenergy.com, or contact Tony Verrelli, President & CEO, Cleanfield Energy Corp., (905) 304-5223, info@cleanfieldenergy.com.