



For immediate release:

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EarthRenew® Bullish on Applications for its Clean Technologies

STRATHMORE, AB – EarthRenew Organics Ltd. (www.earthrenew.com) officially opened its first eco-efficient commercial facility today at a ceremony attended by over 100 guests.

The privately owned company has successfully developed and patented revolutionary technologies that apply industrial turbine exhaust directly in heat processing without heat exchangers while the turbine generates electricity. Sale of electricity offsets the fuel costs.

This facility utilizes EarthRenew's energy-efficient process to cook large volumes of fresh cattle manure to produce patented *Organic Matter Fertilizer™* products used to increase yields for organic and conventional farming. In trials, these concentrated granular fertilizers provide yields equivalent to chemical fertilizers making them ideal for organic growers. Located at a 25,000 head feedlot about 50 kilometers east of Calgary, Alberta, the facility also generates enough electricity to power over 3,000 Alberta homes.

This process of generating electricity and replacing conventional natural gas burners utilizes up to 85% of the energy in the fuel. In comparison to stand alone burners, EarthRenew's use of the turbine increases heat processing

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efficiencies by over 60% and provides built-in protection from escalating natural gas prices, producing higher and more stable gross margins. This use of the turbine forms the basis of EarthRenew's patent portfolio.

Christianne Carin, primary inventor, founder and Chief Executive Officer of EarthRenew, conceived of these concepts to solve complex problems: disposing manure more effectively than landspreading or composting with their associated greenhouse gas emissions, pathogens and weed problems and replacing traditional high heat burners with the exhaust of the turbine to reduce operating costs.

Ms. Carin recalls engineering experts saying her idea to use exhaust heat from an industrial turbine like this couldn't be done. "I challenged these skeptics to prove me wrong," she said, "and when they could not, they realized it was a viable, clever invention, making them long term fans."

In addition to processing cattle manure, applications of these patented technologies will include other types of manure (including dairy, poultry and swine), biosolids and green wastes. Other industrial-based applications include various heat processing systems, water desalination, remediation of oil sands and mining tailings ponds and industrial lagoons.

EarthRenew represents the essence of entrepreneurship, according to Dr. Al Fedkenheuer, the company's President and Chief Operating Officer and contributor to its patent portfolio.

"We utilize raw wastes as input and we save producers significant costs for disposal whether landspreading or landfilling. We process the wastes into unique concentrated products that are proven to increase crop productivity and decrease soil depletion," explains Dr. Fedkenheuer, a professional agrologist.

“With the way we handle and process manure, biosolids and green wastes we generate a substantial reduction in greenhouse gas emissions” he adds, “providing an additional revenue source as we sell these credits”.

In spite of the weakened global economy, the company continues to grow with locations at Calgary and Strathmore, Alberta, and Half Moon Bay and Fresno, both in California, with a new office planned for Minneapolis, Minnesota this year. Growth is anticipated through strategic alliances with key businesses. Five other WasteRenew™ facilities are under production with target locations in Western Canada, California and the US Midwest. EarthRenew is positioned to meet market demands for rapid deployment of these technologies throughout North America. EarthRenew is in its tenth year of operation with over 60 employees in Canada and the United States.

For more information:

www.earthrenew.com

Broadcast quality video B-Roll and photographs are available to accredited journalists from CNW

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