

U.S. Air Force accepts PyroGenesis' waste-to-energy system and grants Company follow-on operating contract

MONTREAL, Sept. 6, 2011 /CNW/ - PyroGenesis Canada Inc. ("PyroGenesis" or the "Company") (TSX-V: PYR), an environmental solutions company that designs, develops and manufactures plasma waste-to-energy systems and plasma torch products, announced today that the U.S. Air Force Special Operations Command (AFSOC) has accepted PyroGenesis' Plasma Resource Recovery System (PRRS).

The Company also announced that it has received a follow-on contract from AFSOC to operate the PRRS for an initial three-and-a-half month period at Hurlburt Field, Florida, the Air Force base where the system is currently located.

"This is history in the making," said Terry Yonkers, assistant secretary of the Air Force for Installations, Environment and Logistics. "This is the first waste-to-energy project of this technology to go into an air base. It has been a long time in the making."

"The PRRS acceptance and follow-on contract validates the utility of the gasification technology in a commercial, land-based setting and permits the Company to further optimize the system in-situ," said P. Peter Pascali, President and Chief Executive Officer of PyroGenesis. "The fact that this success was achieved with such a discerning client demonstrates the quality standards we are able to attain, in a commercial setting, and the great potential for our system in the market. We are confident we will follow up with a longer-term United States Air Force operations agreement."

PyroGenesis' plasma waste-to-energy system has been in operation at the Florida base since late last year.

"This is a project we have been working diligently on, and to see it recognized and operating is fulfilling and gratifying," said George "Ron" Omley, AFSOC Environmental chief. "I look forward to seeing this technology gain wider acceptance."

The Company believes the technology at the Hurlburt Field, Florida site is the only operating commercial plasma gasification facility in North America that has successfully demonstrated the ability to convert unsorted municipal solid waste into electricity. The PRRS system is designed to convert hazardous and non-hazardous waste into electricity and a glassy rock, which can be used as a construction material.

About PyroGenesis Canada Inc.

PyroGenesis Canada is an environmental solutions company that designs, develops and manufactures plasma waste-to-energy systems and plasma torch products. PyroGenesis' proprietary plasma technologies utilize the intense energy of plasma to gasify and vitrify virtually any type of waste without producing hazardous by-products. PyroGenesis' patented gasification and vitrification technology is different from incineration because it produces a clean synthetic gas from waste, which can be used for power generation. PyroGenesis' technology can also turn waste into a glassy rock that can be utilized as construction material. PyroGenesis has marquee defense industry and civilian customers that are using its technology in marine and land-based applications. For more information, please visit www.pyrogenesis.com

This press release contains certain forward-looking statements, including, without limitation, statements containing the words "may", "plan", "will", "estimate", "continue", "anticipate", "intend", "expect", "in the process" and other similar expressions which constitute "forward-looking information" within the meaning of applicable securities laws. Forward-looking statements reflect the Company's current expectation and assumptions, and are subject to a number of risks and uncertainties that could cause actual results to differ materially from those anticipated. These forward-looking statements involve risks and uncertainties including, but not limited to, our expectations regarding the acceptance of our products by the market, our strategy to develop new products and enhance the capabilities of existing products, our strategy with respect to research and development, the impact of competitive products and pricing, new product development, and uncertainties related to the regulatory approval process. Such statements reflect the current views of the Company with respect to future events and are subject to certain risks and uncertainties and other risks detailed from time-to-time in the Company's ongoing filings with the securities regulatory authorities, which filings can be found at www.sedar.com. Actual results, events, and performance may differ materially. Readers are cautioned not to place undue reliance on these forward-looking statements. The Company undertakes no obligation to publicly update or revise any forward-looking statements either as a result of new information, future events or otherwise, except as required by applicable securities laws.

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