

NEWS RELEASE

For immediate release

Quadrogen Power Systems receives \$1 million in project funding from British Columbia's Innovative Clean Energy (ICE) Fund

February 8, 2012, Vancouver, BC – Vancouver-based Quadrogen Power Systems, Inc. is leading an innovative clean energy project that recently received \$1 million in project funding from the BC ICE Fund. The project, “Quadgeneration using landfill gas at Village Farms,” will co-produce renewable electricity, heat, hydrogen, and greenhouse-quality CO₂ as part of a technology demonstration.

“The Province is pleased to support this innovative waste to clean energy project that offers solutions to real, everyday energy and environmental challenges,” said Rich Coleman, Minister of Energy and Mines. “This project will create jobs and local investment in Delta.”

Quadrogen’s Integrated Biogas Clean-up System (IBCS) and H₂ Booster systems will be integrated with a proven 300 kW power plant from FuelCell Energy in a first of its kind demonstration using landfill gas as fuel. “Biogas is a renewable and carbon-neutral fuel source that can be used by fuel cells to generate ultra-clean electricity, usable heat, and hydrogen,” explains Alakh Prasad, Quadrogen’s President & CEO. “The biogas must be cleaned prior to being used by the fuel cell, so a robust and effective clean-up system is critical to the success of the project.” To date, these high efficiency, yet contaminant sensitive fuel cells have not been able to use landfill gas due to the significant challenge of removing all the contaminants in the gas.

“Quadrogen looks forward to demonstrating its unique set of technologies in this exciting project. We plan to remove the landfill gas clean-up barrier for fuel cells and will showcase our H₂ Booster technology that supports high efficiency hydrogen co-production from a Direct FuelCell” said Alakh Prasad. “We are extremely happy to have the BC ICE Fund supporting this project in addition to the funding support already approved by Sustainable Development Technology Canada (SDTC).”

The \$7.9 million project will use landfill gas from the Vancouver Landfill in Delta, BC, at a demonstration site on Village Farms International’s commercial greenhouse operation, approximately 3 km away from the landfill. It will generate renewable electricity, heat, and ultra-clean exhaust, rich in CO₂ for potential use in greenhouses. The fourth product of the system is renewable hydrogen that is co-produced as a by-product of the power plant, and available on-demand for vehicle fuel or industrial purposes. The project is led by Quadrogen, with Canada’s National Research Council – Institute for Fuel Cell Innovation and FuelCell Energy, Inc., of Connecticut, USA as consortium members. The project has been approved for \$2.6 million from SDTC, an arm’s-length not-for-profit corporation created by the Government of Canada to support the commercialization of Canadian clean technology.

More information about the BC ICE Fund can be found at: www.icefund.gov.bc.ca.

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About Quadrogen Power Systems, Inc.

Quadrogen, based in Vancouver, BC, designs, builds, and installs high performance gas clean-up solutions for the renewable energy sector. Its new Integrated Biogas Clean-Up System (IBCS) removes the contaminants found in biogas - a renewable fuel - produced by the anaerobic decomposition of organic matter such as sewage, manure, or green waste. Quadrogen also provides world-class engineering and design services, including detailed techno-economic feasibility studies for industrial and institutional customers.

For more information about Quadrogen, please visit: www.quadrogen.com