



March 23, 2014

**Village Farms International, Inc., In Collaboration with Quadrogen Power Systems, Inc. and FuelCell Energy, Inc. Announces the First Ever \$7.5 Million Quad-Generation Energy Project.**

Village Farms International Inc. announced today that it is part of the first renewable energy quad-generation project ever to be realized for a greenhouse operation from fuel cell technology. This project enables the commercial production of renewable heat and food grade carbon dioxide (CO<sub>2</sub>) that would benefit the Village Farms greenhouse, along with electricity and hydrogen for additional commercial markets. A ground breaking event is scheduled on April 2, 2014 at the Company's Delta, British Columbia greenhouse to celebrate the collaboration with Quadrogen Power Systems Inc., FuelCell Energy Inc., and the National Research Council of Canada (NRC). This will be the most advanced greenhouse technology ever achieved using cutting edge fuel cell technology.

"Village Farms clearly leads the industry and its competition at large in technological advancements, environmental sustainability, and clean agricultural technologies", Michael A. DeGiglio, President and CEO of Village Farms said. DeGiglio went on to say, "As a Company we are the most advanced in leading edge, highly efficient sustainable greenhouse growing technology in the world, and this project is yet another testimony of our focus in maintaining this commitment. And further, this is another example demonstrating Village Farms position as the leading choice among technology companies. Considering the numerous research developments and advancements that have occurred within the greenhouse industry over the past several years, Village Farms has been at the forefront of commercializing the majority, making us the go-to partner in complimentary technologies."

Village Farms is no novice when it comes to utilizing renewable energy, and for the last 10 years the Company's Canadian Greenhouse Facilities have been using renewable landfill gas as an additional heat source alternatively to natural gas. The heat is supplied from a co-generation power plant that is owned and operated by Maxim Power Inc. located on the Village Farms property. According to Village Farms Development Director, Jonathan Bos, who has been instrumental in the growth and development of co-generation projects for the Company, "Co-generation is a feel-good success story because it takes landfill methane gas that would have been burned on site at the landfill and instead turns a waste product into a viable heat source that is safe for people and plants. This new project is even more advanced and cutting edge as it will be the first demonstration of not only heat supply for the greenhouse but also food grade CO<sub>2</sub> that is generated from the landfill gas via a fuel cell". The landfill gas will be cleaned by an innovative system designed and built by Quadrogen Power Systems and then

used by the stationary fuel cell power plant built by FuelCell Energy to generate the multiple value streams including electricity, heat, and hydrogen. The fuel cell utilizes a highly efficient electro-chemical process to generate power that avoids the emission of virtually any pollutants due to the absence of combustion. Village Farms will be the sole user to benefit from the CO<sub>2</sub> renewable energy stream and hot water that is coming directly from the fuel cell. Once operational, Village Farms will seek to increase the output of renewable CO<sub>2</sub> and in addition, seek to further utilize the technology in future Company developments at new locations or in other markets.

The potential benefits of this new technology are numerous; not only for Village Farms but for the environment at large. First, landfill gas will be eliminated from the waste stream helping reduce the City of Vancouver's overall carbon footprint. The reduction in carbon footprint will be mirrored by Village Farms as the end user of this waste stream, helping the Company reduce their need for fossil fuels. Further, since the food grade CO<sub>2</sub> is actually used by the plants as a nutrient in the process of photosynthesis, the plant then converts the CO<sub>2</sub> to oxygen (O<sub>2</sub>), which creates another primary benefit for the environment. Additionally, this will allow further efficiencies for Village Farms by reducing overall costs, and enhancing use of CO<sub>2</sub>, which is attributable for approximately 25% of a plant's yield. According to Alakh Prasad, President and CEO of Quadrogen, who worked relentlessly with the Company over the last 5 years to see this project to fruition, "The quad-generation project will be a game changer in the existing arena for the renewable landfill gas market at large, and we are pleased Village Farms will be at the forefront of this groundbreaking technological advancement in green technology as the first demonstrated user for quad-generation fuel cell technology."

And according to Helen L. Aquino, Marketing Manager for Village Farms, "This project is analogous to our water conservation, land preservation, and soilless growing methods that are highly resource efficient and environmentally sustainable. The conversion of landfill gas to clean food grade CO<sub>2</sub> for the plants, who then convert the gas to oxygen is creating what amounts to a carbon negative waste stream. This project is just one of the many examples of Village Farms state-of-the-art growing methods and technological innovations which make us as a Company the most sustainable greenhouse operation in the industry today, and the most responsible choice for food production the world over."

### **About Village Farms**

Village Farms as a leader in the greenhouse industry is one of the largest producers, marketers and distributors of premium-quality, greenhouse-grown tomatoes, bell peppers and cucumbers in North America. This premium product, as well as premium product produced under exclusive arrangements with other greenhouse producers, is grown in sophisticated, highly efficient and intensive agricultural greenhouse facilities located in British Columbia and Texas. Product is marketed and distributed under the Village Farms® brand, primarily to retail grocers and dedicated fresh food distributors throughout the United States and Canada. Since its inception, Village Farms has been guided by friendly growing methods, growing produce vegetables 365 days a year from its facilities that are healthier for people and the plant. Village Farms is Good for the Earth®.

**About Quadrogen Power Systems, Inc.** – Quadrogen designs and builds reliable, cost effective

clean-up systems for a wide variety of gaseous fuel applications. The clean-up technologies are modular and scalable to cost effectively purify landfill gas, digester gas, or syngas. The Company is headquartered in Vancouver, Canada.

**About FuelCell Energy** (Nasdaq: FCEL) - Direct FuelCell® power plants are generating ultra-clean, efficient and reliable power at more than 50 locations worldwide. With more than 300 megawatts of power generation capacity installed or in backlog, FuelCell Energy is a global leader in providing ultra-clean baseload distributed generation to utilities, industrial operations, universities, municipal water treatment facilities, government installations and other customers around the world. The Company's power plants have generated more than two billion kilowatt hours of ultra-clean power using a variety of fuels including renewable biogas from wastewater treatment and food processing, as well as clean natural gas. For more information, please visit [www.fuelcellenergy.com](http://www.fuelcellenergy.com)