

M2 Renewables Signs Strategic Agreement with PowerHouse Energy for Exclusive Product Distribution

LAKE FOREST, Calif., Aug. 30, 2011 -- [M2 Renewables, Inc.](#) (M2R) and [PowerHouse Energy Inc.](#) (PHE) have announced the signing of a Strategic Distribution Agreement, granting M2R exclusive rights to distribute and sell the Pyromex AG Ultra High Temperature Gasifier (UHTG) for use in PHE's wastewater market sector for applications of 50 tons per day or less. M2R consummated the agreement by submitting an initial purchase order to PHE for a 5 ton per day UHTG system.

The UHTG system, which is modular, scalable and highly efficient, facilitates the conversion of a broad range of waste materials and sub-viable coal deposits into various forms of energy including synthesized gas, hydrogen and electricity. The UHTG system operates without the consumption of high volumes of water or power and has a very small physical plant footprint.

M2R now offers both 5 and 25 ton per day (tpd) Pyromex reactors. PHE and M2R can deliver a fully integrated system including wastewater solids screening and de-watering, solids handling, drying, thermal conversion, synthetic gas (syngas) quench and cleanup, methanation, and electrical generation. According to David Moard, CEO of PHE, "We are very pleased to formalize our working relationship with M2R, a progressive company that is re-defining efficient, cost effective and sustainable wastewater treatment. PHE's zero-emissions Pyromex reactor is a perfect complement to M2R's technology offering. We look forward to working with M2R to help wastewater treatment owners worldwide achieve a greater measure of energy independence."

The patented Pyromex systems will be assembled at PHE's Carson City, Nevada manufacturing and testing facility. With an existing 1 tpd test facility and a 25 tpd commercial installation located in Munich, Germany, PHE's 5 tpd UHTG reactor in Carson City is expected to be open for customer testing by the end of 2011. M2R completed two full rounds of wastewater solids testing in Munich during 2010, confirming the operational simplicity and effectiveness of the Pyromex reactor and defining performance characteristics, syngas quality and critical design parameters.

"This is the culmination of over two years of collaboration to confirm the effectiveness of the Pyromex thermal conversion reactor in creating clean syngas from wastewater treatment plant solids," remarked Dr. Scott Noll, M2R's Director of Renewable Energy. "The high temperature air-free reaction environment produces a remarkably clean syngas, suitable for the production of methane, hydrogen, renewable electricity, or liquid fuels. The UHTG is particularly attractive because of the outstanding chemical conversion efficiency and the zero air emissions profile in the production of the high quality syngas."

Gerhard Forstner, CEO of M2R commented, "this strategic development uniquely positions M2R to make wastewater a net energy producer and enables the Company to offer clients and partners energy generation in place of sludge generation and water reuse with strong economics."

"M2R's full system capability, which combines our patented [MicroScreen](#) and the UHTG Pyromex Gasifier, is a solution that is one of a kind and un-matched in terms energy efficiency and financial competitiveness. In addition to its cost savings potential, the M2R [Waste-To-Energy \(W2E\)](#) solution offers

the largest carbon footprint reduction for sludge treatment and disposal worldwide,” added Forstner. “We are excited about driving the future of wastewater treatment plus renewable energy solutions both domestically and internationally.”

M2R, backed by cleantech investment firm, [SAIL Capital Partners](#), will be participating in North America’s largest water and wastewater show, [WEFTEC 2011](#) in Los Angeles from October 17th to October 19th.

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About M2 Renewables, Inc. (M2R)

M2R is revolutionizing the process of wastewater treatment. The M2R system uses less space, consumes less power, and requires less human resources to operate while converting the solids removed from wastewater into renewable electricity. The [Title 22](#)-certified scalable system allows clients to deploy for the size needed while allowing growth to meet increasing demand, dramatically improving carbon footprint when compared to conventional treatment plants. The M2R Process has three components: the M2R MicroScreen which removes suspended solids from the raw influent; the M2R Modular Filter, a fully automated, continuously cleaning media filtration system with remote monitoring and control capabilities; and the M2R Energy Conversion System which transforms the removed solids into energy end products. M2 Renewables offers its treatment process and energy conversion system to municipalities, wastewater treatment authorities, governmental agencies, industry and developers.

For more information, visit www.m2renewables.com.