



EXPANDER SECURES NORTH AMERICAN RIGHTS FOR INNOVATIVE BIOMASS GASIFICATION TECHNOLOGY TO CONVERT BIOMASS TO CLEAN SYNGAS FOR PRODUCTION OF RENEWABLE POWER AND SYNDIESEL®

CALGARY, AB. (December 9, 2016) - James Ross, CEO of Expander Energy Inc., is pleased to announce that Expander has acquired from Air Technic of Prague, Czech Republic, the North American rights to a patented and patent pending innovative Biomass Gasification technology that converts biomass into clean syngas for the production of renewable power and SynDiesel®. Expander and Air Technic will jointly extend patent coverage and market the technology worldwide. This technology is currently in commercial operation in Europe, and is completing its EU Renewable Energy Certification Testing in the Czech Republic.

Under the agreement, Expander plans to duplicate the current commercial plants to create new Biomass- to -Power (BTP) and Combined Heat and Power (CHP) projects of 5-10 MWe capacity in Western Canada using biomass feedstock such as waste wood, forestry waste wood, MSW and RDF. Plants can be built and operational in 12 to 24 months and can be situated in urban, rural or remote areas where power sources are limited.

Expander and Air Technic, will further enhance the technology to develop clean syngas that may be used in renewable chemicals and integrated with Expander's patented Biomass to Liquids (BGTL) process for production of renewable synthetic diesel (SynDiesel®) and jet fuel (SynJet®). These fuels offer a tremendous alternative for renewable clean energy for Canada and USA, with opportunities for fuel and technology exports around the world.

"The Air Technic Biomass Gasification Technology will add a major element to Expander's already impressive suite of patented products including our revolutionary Enhanced Fischer-Tropsch® applications which allows the company to make synthetic diesel fuel from multiple carbon sources such as natural gas, gas liquids, biomass and bitumen" says James Ross, adding "This is a major development for both Expander and Air Technic in bringing this world class technology to North America for the benefit of industry and consumers alike".

About Expander Energy

Expander Energy is a leading developer and licensor of processes to convert carbon sources into valuable synthetic fuels. Our engineered fuels are ultra-clean burning and complement

existing transportation fuel infrastructure and current engine technologies. Our fuels reduce GHG emissions and are produced from carbon rich materials such as natural gas, biomass, bitumen residuals, petcoke and municipal solid waste. We strive to deliver an alternative, drop in fuel through patented technology to provide economic growth for Alberta and Canada while being environmentally conscious.

Expander has a team of energy industry professionals dedicated to developing and commercializing Carbon Management and Utilization solutions for Canada's energy industry. Expander Energy Inc. is a privately held energy company located in Calgary, Alberta, Canada.

For further information and licensing opportunities please contact:

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