



EXPANDER ENERGY INC.
INNOVATIVE ENERGY SOLUTIONS

Expander and Vanderwell to build Canada's First Biomass/Gas to Liquids Plant

Calgary, Alberta Canada (September 18, 2019), For Immediate Release. **Expander Energy Inc.** ("**Expander**") is pleased to announce that it has entered into a letter of intent ("LOI") with **Vanderwell Contractors (1971) Ltd.** ("**Vanderwell**"), an Alberta family owned company, to build Canada's first commercial demonstration Biomass/Gas to Liquids facility ("BGTL™ project") at Slave Lake area, Alberta, Canada. The plant will produce clean burning synthetic biodiesel (trade named SynDiesel® and SynJet®) from a variety of biomass feedstocks.

The BGTL™ project will be completed in two stages. Phase 1 will be the installation of a gasifier and GTL unit with expected production capacity of 120 BPD of synthetic fuel. Upon the successful completion and testing of Phase 1 the companies will proceed with Phase 2 to increase the capacity of the plant to 500 BPD.

Expander has developed and patented the BGTL™ technology to be used in the facility and has the expertise to build plants of this magnitude. Vanderwell brings over 70 years of expertise in the forestry industry and will provide a sustainable biomass feedstock and a location for the facility.

"There is a huge market for "drop-in" biofuels that are clean, renewable fuel additives and/or alternatives to regular diesel and jet fuel, which are wanted by both consumers and governments right now. Therefore, now is a perfect time to commence our BGTL™ project and we are delighted to be working with Vanderwell Contractors," says Steve Price, Expander's CEO.

Ken Vanderwell, President of Vanderwell states "we have been looking for an opportunity to add value to our waste forestry residuals, in a more economic and environmentally friendly manner. Expander's innovative BGTL™ facility which will produce biofuel from waste forestry residuals fits perfectly into this vision of adding value to a waste by-product of our mill".

Expander (and partner Rocky Mountain GTL) is in the final stages of construction of a 500 BPD Gas to Liquids (GTL) facility in Carseland Alberta. The core technology proven in this GTL facility will be used in the BGTL™ facility at Slave Lake.

About Expander Energy/Vanderwell Contractors

Expander builds, operates and licences state of the art Biomass/Gas to Liquids and FTCrude® facilities that economically produce sustainable and environmentally friendly synthetic fuels.

Expander 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 (forestry, landfill wood waste, and Agriculture waste), bitumen residuals, petroleum coke 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.

Vanderwell Contractors (1971) Ltd. is an Alberta family owned company that has been in the Alberta forest industry for over 70 years. It is in the business of managing, harvesting, processing and selling forest products and related residuals. The company operates manufacturing facilities in Slave Lake, Alberta using sustainable forest management practices.

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