



## NEWS RELEASE

### **EXPANDER/GREYROCK Gas Processing Magazine Article: Natural Gas Liquids (NGL) use for feedstock-flexible distributed GTL Plants**

**CALGARY, AB. (September 15, 2015)-** Steve Kresnyak of Expander Energy of Calgary, Alberta and R.Schuetzle and D. Schuetzle of Greyrock Energy of Sacramento, California have co-authored an article published in Natural Gas Processing Magazine regarding Natural Gas Liquids (NGL) use for feedstock-flexible distributed GTL plants [Natural Gas Processing Magazine Article](#)

Natural Gas Liquids (NGL) production is growing fast. According to CAPP, propane production, which is a significant component of NGL from natural gas processing, increased in Alberta from 1.05 MMbpd in 2010 to 1.15 MMbpd in 2014, a 9.5% increase in 5 years. In all Western Canada, propane production grew from 1.14 MMbpd to 1.36 MMbpd in the same period, an 18.3% increase. Natural gas and NGL's (including propane) are expected to continue this growth pattern as natural gas producers continue to drill liquid-rich gas wells. NGL production far exceeds demand in both Canada and USA, and the gap is growing.

Most GTL projects focus on the use of natural gas for conversion into fuels. However, as NGL production grows, the opportunity to use a variety of hydrocarbon feedstocks such as ethane or propane is increasing. This provides value to less valuable feedstocks as the differential between NGLs and diesel can become very attractive. Expander's patented Enhanced GTL™ process provides a GTL plant design that is feedstock-flexible providing downside risk protection and operational versatility for the plant operator.

Expander and Greyrock have partnered to develop GTL facilities in Canada and in USA, in conjunction with Sterling Greyrock Partners and are constructing North America's first small scale commercial GTL facility. The companies have combined patented technologies to offer a distributed GTL solution related to NGL feedstocks in GTL plants.

***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 Energy Inc. is a privately held energy company located in Calgary, Alberta, Canada.

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