

Seabreeze Farm updates Renewable Natural Gas equipment using DMT Clear Gas Solutions' membrane separation technology

Delta, B.C., Canada – [DMT Clear Gas Solutions](#), a leading technology supplier in biogas upgrading and gas desulfurization, announces [Seabreeze Farm](#), a third-generation dairy farm owned by the Keulen family, will update their Renewable Natural Gas (RNG) equipment using DMT's patented three-stage membrane separation system. Expected completion of the biogas upgrading project is set for beginning of next year.

"We are excited and looking forward to installing the DMT system on our farm," said Jerry Keulen, Owner of Seabreeze Farm.

As pioneers of producing RNG in Canada, Seabreeze Farm made headlines back in 2015 when they announced they combined anaerobic digestion with a biogas upgrading plant. The farm's decision to update their biogas upgrading equipment is on trend to what analysts have witnessed over the last five years: that membrane separation is the prevalent technology used in North America's RNG industry.

"We are thrilled to introduce the [Carborex®MS](#), our innovative membrane separation technology, into the Canadian market," said Robert Lems, General Manager of DMT Clear Gas Solutions. "Seabreeze Farm will find that our membrane system is easier to operate and will free up time originally spent on O&M (operation and maintenance)."

The project will upgrade 180 standard cubic feet per minute (scfm) of biogas to produce more than 98 percent pure RNG. Additionally, the RNG will be sold to [FortisBC](#), a natural gas and electricity utility servicing over 1.2 million customers in British Columbia. Upon direct injection into their natural gas system, FortisBC will operate the interconnection, monitor the gas quality and distribute this renewable energy to B.C.'s residents and businesses who chose to subscribe to the RNG program.

"Renewable Natural Gas is a crucial component of our 30BY30 target, which is our goal to reduce our customers' greenhouse gas emissions by 30 percent by 2030," said Scott Gramm, Manager of RNG Supply with FortisBC. "Increasing the amount of renewable gases in our infrastructure is paramount to a lower carbon future and I want to thank Seabreeze Farm and DMT Clear Gas Solutions for their leadership in climate action."

Thanks to this Seabreeze Farm project, the RNG, generated from dairy manure produced by 250 cows and 12,000 annual tons of off-farm organics, is enough to heat approximately 350 homes. In Canada, the production of biogas from all major sources, including agricultural organics, municipal wastewater, landfill gas, and separated source organics, is equivalent to 3 percent of the country's natural gas demand (Source: [Canadian Biogas Association](#)).

"RNG can be a great opportunity for B.C. farmers. It has been a real pleasure working with Seabreeze Farm to help them select a new biogas upgrader and improve their anaerobic digestion plant," stated Matt Dickson, Managing Director of Hallbar Consulting Inc.

Through biogas upgrading, trace impurities in the biogas stream are removed and carbon dioxide (CO₂) is separated from methane (CH₄) to produce pipeline-spec RNG suitable for injection into the natural gas grid and/or direct use for vehicle fuel. The benefits of RNG include the reduction of greenhouse gas emissions, increased domestic energy security, improved waste management, new revenue sources for farmers, and more jobs in rural areas.

About DMT Clear Gas Solutions

DMT Clear Gas Solutions is a technology supplier specializing in biogas upgrading and gas desulfurization. We are part of a global organization with more than 30 years of experience, 100 employees and offices/agents spread throughout Europe & Asia. Our award-winning portfolio, paired with 24/7/365 customer support, is the best the market has to offer to companies seeking sustainable solutions. With key accounts and some of the

largest operational renewable natural gas (RNG) plants in North America, our customers see a profitable return on investment when upgrading with DMT. Learn more at www.dmt-cgs.com



For media inquiries, please contact:

Missy Lee, Marketing Manager, DMT Clear Gas Solutions

A 19125 SW 125th Ct, Tualatin, OR, 97062, USA | T +1 (503) 379-0147

E mlee@dmt-cgs.com

For sales inquiries, please contact:

North America: sales@dmt-cgs.com

Outside North America: sales@dmt-et.com