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## Abbotsford Farmer to Convert Waste to Renewable Natural Gas

BURNABY, B.C. (September 2, 2009) - Greenlane Biogas, a subsidiary of the Flotech Group of companies (founded in 1986), is providing an environmentally-friendly water scrubbing system to upgrade approximately 500 Nm<sup>3</sup>/hr of biogas to renewable pipeline-quality natural gas, to be injected into the local natural gas distribution system.

The project, developed by Catalyst Power, will use Greenlane's water scrubbing system and a digester provided by PlanET to convert agricultural waste – including cow and poultry manure - into pipeline-quality bio-methane.

Catalyst Power will operate the system, which will be the first agricultural biogas upgrading project in Canada. The project will generate enough renewable natural gas to heat approximately 1000 homes and is expected to start injecting biomethane into the natural gas network during the spring of 2010.

Chris Bush, President of Catalyst Power said: "I am thrilled to have Greenlane as a partner for this project. Greenlane's systems are world class and the high methane yields of their chemical-free process will allow me to maximize the value of the biogas for this project with minimal impact on the environment."

Steve Broadbent, Managing Director of the Flotech Group said: "The Catalyst project is the first for Greenlane in North America, so it is an important milestone for us. While most of our existing biogas upgrading installations are in Europe, we see Canada and the United States as key growth markets, since renewable fuels are starting to gain a significantly higher profile."

Greenlane Biogas has more than 20 years of experience upgrading biogas and is the market leader in the field worldwide, both in terms of number of installations and total amount of biogas upgraded. Greenlane is providing a Rimu model biogas upgrading plant for the Catalyst Power project, which is in the middle capacity range of Greenlane's standard water scrubbing modules.

Water scrubbing uses water for upgrading biogas to natural gas pipeline grade or CNG vehicle fuel. Greenlane's water scrubbing technology is designed to minimize the amount of energy required to upgrade the biomethane. The Greenlane water scrubbing process further minimizes environmental impact by recycling used water back into the system and requiring no additional chemicals. For the Catalyst project, CO<sub>2</sub> removed from biogas will be fed to an on-site greenhouse and algae growing facility. The heat generated by the water scrubbing process will be used to heat the anaerobic digester.

### **About Flotech and Greenlane**

Greenlane is a subsidiary of Flotech, leading worldwide developer and supplier of technology for upgrading biogas to renewable natural gas for use in pipelines and vehicle fuel. Flotech has more than 20 years of global experience upgrading biogas, with installations in France, Germany, Iceland, Japan, New Zealand, South Korea, Spain and Sweden. Greenlane technology is used in the world's largest plant for upgrading biogas, in Güstrow Germany. The production of vehicle gas in this plant replaces 40 millions litres of gasoline each year.



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### **About Catalyst Power**

Catalyst Power is a developer of biogas projects and its Catalyst One project is the first anaerobic digester for agriculture in BC. Catalyst Power intends to build a number of similar systems at farms across Canada.

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