

PRESS RELEASE



For immediate release

DMT Clear Gas Solutions, a global biogas and landfill gas upgrading technology provider will supply Hawaii with the first biogas upgrading system using high selective membranes. Hawaiian Gas has selected DMT Clear Gas Solutions as a technology provider to build the biogas upgrading plant at the Honouliuli Wastewater Treatment Plant (WWTP).

Biogas Capture and Purification Infrastructure

Honolulu's wastewater treatment plant, where wastewater is cleaned and converted to sludge, produces the biogas that needs to be upgraded to Natural Gas quality. This sludge is biodegradable and broken down by microbes in a digester, producing biogas. After impurities are removed from the raw biogas, the gas is cleaned with the technology provided by DMT. What remains is a ready to use high quality gas; Renewable Natural Gas which consists of 98% methane.

Hawaii Gas will blend the upgraded biogas with the synthetic natural gas (SNG) already used in the islands pipeline. The biogas purification equipment and approximately half a mile of pipe will be built at the Honouliuli facility and connect to the existing SNG pipeline. The project is estimated to be operational by the end of 2018.

"Incorporating cost-effective renewable natural gas as part of our fuel mix is a key priority as we continue to do our part to advance Hawaii's clean energy future," said Alicia Moy, president & CEO, Hawaii Gas. "We look forward to pursuing similar projects that deliver renewable fuels to our customers and new revenue streams to the City. This is a win-win partnership for the residents of Honolulu and our customers."

Current biogas output at Honouliuli WWTP is estimated to be approximately 800,000 therms per year, which is currently not being utilized. The 800,000 therms is approximately 2.8% of the total synthetic natural gas (SNG) demand for the island of Oahu. 800,000 therms is the energy equivalent of approximately 15,000 barrels of oil or 575,500 gallons of diesel.

"With this project we are going to provide Hawaii with 3% of renewable green gas. Our goal is to increase this to over 15% renewable gas by 2020 with the collaboration through Hawaii gas and other projects on Hawaii. Robert Lems, General Manager at DMT Clear Gas Solutions,"

Hawaii Gas

Hawaii Gas is a government-franchised, full-service gas company manufacturing and distributing gas in Hawai'i. Hawaii Gas manufactures synthetic natural gas, or SNG, for its utility customers on O'ahu, and distributes liquefied petroleum gas, or LPG (propane), to utility, tank and bottled gas customers to all islands.

Shivaji Ramalingam, Business Account Manager at DMT Clear Gas Solutions, "I am very pleased that this project increases Hawaii's energy Independence and contributes to circular economic activity. With more successes like these, I am very excited about the future of the 1 biogas market"

About DMT Clear Gas Solutions

DMT Clear Gas Solutions is a rapidly growing biogas and landfill gas cleaning technology. DMT specializes in delivering world-class solutions to build a clear and prosperous future. While the

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technologies we develop and implement solve critical environmental issues, DMT's solutions also provide you projects with attractive profitability. DMT stands for the reputation of being a North American and as well European industry leader with easy to operate and reliable technologies.



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More information about technologies mentioned in the press release can be found:

www.dmt-cgs.com and here 

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