



The Potential to Decarbonize the Gas Industry with Renewable Natural Gas / Biomethane

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Landfill gas (LFG) containing methane adds significantly to global warming if released to the atmosphere. Many landfill sites are capturing LFG for flaring and sometimes to generate power. There is a rapidly developing area of interest to further process LFG into Renewable Natural Gas (RNG). This presentation will look at the potential supply of LFG from ten landfill sites in South America for potential upgrading into RNG. RNG, also known as biomethane or upgraded biogas, is a rapidly growing market because it can help to decarbonize the gas system and deliver sustainable change. Biomethane or RNG can replace fossil fuels including natural gas which has similar physical and chemical properties. Challenges with collection and processing LFG to upgrade it to RNG will be explored and presented.

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Tom Jacklin BSc., M.Eng. is a Professional Engineer with over 30 years of experience in energy projects focused on developing technical solution within the waste management and renewable energy sectors. Tom has supported Renewable Natural Gas (RNG) projects in Canada and internationally.