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British Columbia city converts organic waste into biomethane

In British Columbia, Surrey's biofuel facility officially opened in spring after several years of planning. The \$68 million facility is the first fully integrated closed-loop organic waste management system in North America. The facility will convert curbside organic waste into biomethane to fuel the city's fleet of gas-powered waste collection and service vehicles. Under this closed loop system, waste collection trucks will literally be collecting their fuel source at curbside. Excess fuel will go to the new district energy system that heats and cools Surrey's city center. The biofuel facility will treat 115,000 metric tons of organic waste, produce approximately 120,000 GJ of biomethane and produce approximately 45,000 metric tons of nutrient-rich compost annually. The biofuel facility was designed to meet future demand. Currently, the city of Surrey collects 65,000 metric tons of organic waste per year.

Source: IEA Bioenergy Task 37 Newsletter 3/2019 <http://task37.ieabioenergy.com/archive.html>

Further information: Biomass Magazine

http://www.biomassmagazine.com/articles/15133/british-columbia-city-converts-organic-waste-into-biofuel?utm_source=Biomass&utm_campaign=7dc6357328-EMAIL_CAMPAIGN_2018_03_14&utm_medium=email&utm_term=0_53880fe73c-7dc6357328-94467117