

# EMPOWERING MUNICIPAL RNG MARKET PARTICIPATION

## Municipal Profile – Metro Vancouver & Surrey, B.C.

The Surrey Biofuel Facility helps support the Metro Vancouver Organics Disposal Ban implemented in 2015. In 2018, the City of Surrey began operating the renewable natural gas (RNG) facility capable of converting 100% of the municipality's organic waste into local, clean energy.

## Metro Vancouver Organics Ban

The Metro Vancouver organics ban was implemented on January 1, 2015. The ban is part of a strategy to divert 80% of the region's garbage from landfills by 2020. The ban applied to 21 municipalities, including the City of Surrey, with a total population of 2.5 million. After a 6-month educational phase, enforcement came into effect on July 1, 2015. Waste haulers with loads with more than 25% visible food are surcharged at 50% of the cost of disposal.



**The organics disposal ban increased diversion  
by 60,000 tonnes in the first year alone.**

Overall, the reception to the organics ban has been positive with the majority of residents and businesses seeing the organic material as a resource rather than a waste material. The organics ban in Metro Vancouver has resulted in increased organics processing capacity, such as the Surrey Biofuels Facility, and environmental and economic benefits within communities.

## Surrey Biofuels Facility

The Surrey Biofuel Facility in Surrey, British Columbia, officially opened on March 9, 2018. The \$68-million facility converts curbside organics into RNG to fuel the City's fleet of natural gas powered waste collection and service vehicles and fuel the new district energy system.

At full capacity, the facility will:

- Divert 115,000 tonnes of organic waste from the landfill
- Produce 120,000 GJ of RNG and produce 45,000 tonnes of nutrient-rich compost annually
- Reduce GHG emissions by approximately 49,000 tonnes per year, the equivalent of taking over 10,000 cars off the road
- Create more than 15 new full-time, long-term jobs in Surrey

British Columbia's largest natural gas distributor, FortisBC, partnered with the City of Surrey and has been involved in the project for injection, metering, and quality assurance. Surplus RNG will be sold to the FortisBC natural gas grid.

