

Natural gas is a market-ready option for municipalities looking for a clean and affordable transportation fuel for their buses, refuse collection vehicles and other fleets.

Many municipalities across Canada are already taking advantage of natural gas for their local transportation needs.

Public Transit Agencies in Canada Using Natural Gas Buses



1,000 buses across Canada: from Grande West Vicinity, Nova Bus, and New Flyer

- BC Transit (Victoria, Nanaimo, Kamloops, Whistler)
- Translink (Vancouver)
- Calgary Transit
- Medicine Hat
- Red Deer
- Hamilton Street Railway

Locations in Canada Using Natural Gas Collection Vehicles



1,000 collection vehicles across Canada: used for curbside, institutional and container collection services

- City of Vancouver
- City of London
- City of Toronto
- Waste Management (BC, AB, ON, QC)
- Green for Life (BC, AB, ON, QC, NS)
- Emterra (BC, MB, ON)
- Tomlinson (ON)

Benefits of Converting to Natural Gas Buses

An average transit bus uses **\$39,000** of fuel, emitting **79 tonnes of CO₂e** (greenhouse gases) per year.



These municipalities (listed above) using natural gas buses collectively see **emissions savings of 13,430 tonnes CO₂e per year**.



These municipalities (listed above) using natural gas buses collectively see cost savings totalling **\$20 million** per year.



Benefits of Converting to Natural Gas Refuse Vehicles

An average refuse vehicle uses **\$37,000** of fuel, emitting **75 tonnes of CO₂e** (greenhouse gases) per year.

These municipalities (listed above) using natural gas vehicles collectively see **emissions savings of 12,750 tonnes of CO₂e per year**.

These municipalities (listed above) using natural gas vehicles collectively see cost savings totalling **\$12 million** per year.

Use Renewable Natural Gas to Get on the Road to Net Zero Emissions

Municipalities that use natural gas vehicles have a readily-accessible pathway to reach their net zero objectives through the use of renewable natural gas (RNG). RNG is **100 per cent renewable** as it is derived from local organic waste sources including wastewater plants, landfills and agriculture.

RNG is an attractive option for municipalities, as it builds on the already low operating costs of natural gas vehicles, while providing the lowest-cost pathway to net zero emissions.

The average cost of RNG is comparable to diesel — as diesel prices rise the cost advantages of RNG will grow.

The RNG required to meet existing fleet demands is 1 Petajoule (PJ) per year. A recent study sponsored by Natural Resources Canada identified that by 2030, the RNG potential will be **100 times** that amount — taking into account existing projects and known commitments.



Congratulations to Hamilton Street Railway for launching Ontario's first carbon-negative bus! This bus, fuelled 100 per cent by RNG, was launched in March 2021 in partnership with Enbridge Gas.