

Examples of Successful Fleet Electrification

There may be many Guides and Checklists on how to electrify a fleet successfully, but how many organizations in Canada have actually fulfilled this feat? Well, below are eight examples of successful fleet and pilot electrification projects across Canada. Ranging from private companies to utilities to government entities, these examples will help blend theory with execution and add a shade of reality to the electrification process.

Here are eight examples of successful fleet electrification projects across the Prairies and Maritimes:

National

[Royal Canadian Mounted Police \(RCMP\) \(2024\)](#)

The RCMP began a pilot deployment phase in 2023 with two Tesla Model-Ys. BC's West Shore detachment and Ontario's Rideau Hall Response Unit were the first to test the new vehicles in daily operations. Officers have been getting a feel for how they perform in their day-to-day operations.

[Fisheries and Oceans Canada \(2023\)](#)

When the federal government set a target to decarbonize its entire fleet of LDVs by 2030 in 2022, the department of Fisheries and Oceans Canada (DFO) took it as an opportunity to start transitioning its fleet. In 2023, it added three Tesla Model 3s and six Ford F-150 Lightnings to its existing fleet. The Teslas are working in Nanaimo, B.C., and the Lightnings in Vancouver; Winnipeg; Mont-Joli, Que.; Moncton, N.B.; Dartmouth, N.S.; and St John's.

Alberta

[City of Calgary Fleet \(2022\)](#)

Calgary is the largest city in Alberta, with a population of 1,306,784. The city of Calgary declared a climate emergency in 2021; this enabled a shift in priorities and justified the acquisition of EVs for its fleet. Over a two-year period, the city acquired over 30 light-duty EVs and two electric resurfaces.

Saskatchewan

[SaskPower \(2023\)](#)

SaskPower is Saskatchewan's largest electric utility. In 2023, SaskPower converted its mainly ICE fleet to fully electric by adopting Ford F150 Lightning trucks and electric Transit Vans to replace the existing vehicles.

Manitoba

[City of Winnipeg \(2019\)](#)

In 2019, the City of Winnipeg adopted two Chevrolet Bolts to its fleet as part of a pilot project to find out what impact using more EVs could have on the city. The vehicles were used in day-to-day operations for the project.

New Brunswick

[NB Power \(2020\)](#)

In 2020, NB Power joined the fleet electrification journey and replaced 50% of their ICE LDV fleet with EVs. By establishing a network of smart charging stations, NB Power is leading the charge in facilitating the growth of the EV market in NB.

Nova Scotia

[Communauto Atlantic \(2024\)](#)

In 2024, Communauto helped shape a cleaner, more accessible transit future in Halifax by adding EVs to its carshare network. By partnering with HCi3, Communauto Atlantic also installed EV chargers across key locations in Halifax to support these newly added fleet EVs.

Prince Edward Island

[PEI Government \(2019\)](#)

In 2019, the PEI provincial government purchased four EVs for its fleet to reduce its overall carbon footprint and promote the cars to PEI residents across the island. The EVs were used by the Minister and government staff whose work involves air monitoring and drinking-water protection.