

CANADA'S RAILWAYS: *PART OF THE CLIMATE CHANGE SOLUTION*



Canada has committed to reducing its greenhouse gas (GHG) emissions by 40-45% below 2005 levels by 2030 and achieve net-zero by 2050. Transportation is Canada's second-largest source of GHG emissions, accounting for 28% of total emissions, and the sector must make a major contribution. As the most environmentally sound way to move freight and people over land, Canada's railways have played, and will continue to play, a key role in achieving the country's climate goals.

Despite moving millions of passengers, approximately 70% of all inter-city freight, 50% of exports, and \$380 billion of goods each year, railways produce just 1,0% of our country's GHG emissions and only 3.6% of Canada's transportation sector GHG emissions.

RAIL IS GREEN INFRASTRUCTURE

An investment in rail is an investment in the green economy



20-25% REINVESTMENT

Canada's railways invest between 20 and 25% of their revenues into their infrastructure every year to improve the efficiency of their operations and resiliency of their networks. From engine retrofits to anti-idling devices, railways are investing in technologies and operational improvements to reduce their carbon footprint. Today, railways can move one tonne of freight more than **220 km** on a single litre of fuel.



A SUCCESSFUL TRACK RECORD

Canada's freight railways have reduced their GHG emissions intensity (kg CO₂e per revenue tonne-km) by 25.9% since 2005. Canada's inter-city passenger railways reduced their GHG emissions intensity (kg CO₂e per passenger-km) by 31.3% between 2005 and 2019 (pre-pandemic).

GOVERNMENT SUPPORT FOR MODAL SHIFT WILL HELP CANADA FIGHT CLIMATE CHANGE



The Pan-Canadian Framework on Clean Growth and Climate Change has recognized modal shift as a credible solution to achieve Canada's climate change objectives.

Governments can take concrete action, through investments and incentives, to shift traffic from other transportation modes to rail.



4 MEGATONES OF CO₂e

Railways are three to four times more fuel efficient than trucks. Shifting just 10 per cent of freight from trucks to rail would reduce GHG emissions by 4 megatonnes of CO₂e.



1 TRAIN = 300 TRUCKS

One train can remove upwards of 300 trucks from our congested roads.



2-3X FEWER GHG EMISSIONS

Passengers travelling on inter-city railways alleviate road congestion and emit approximately 2x fewer GHG emissions compared to driving a personal vehicle, and approximately 3x fewer GHG emissions compared to flying.

