

# 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, 45-50% below 2005 levels by 2035, 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 \$400 billion of goods each year, railways produce just 0.9% of our country's GHG emissions and only 3.0% 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 CO<sub>2</sub>e per revenue tonne-km) by 28.6% since 2005; while Canada's inter-city passenger railways reduced their GHG emissions intensity (kg CO<sub>2</sub>e per passenger-km) by 34.2%.

## 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.



## 3 MEGATONES OF CO<sub>2</sub>e

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 3 megatonnes of CO<sub>2</sub>e.



## 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.

