

# SUSTAINABILITY

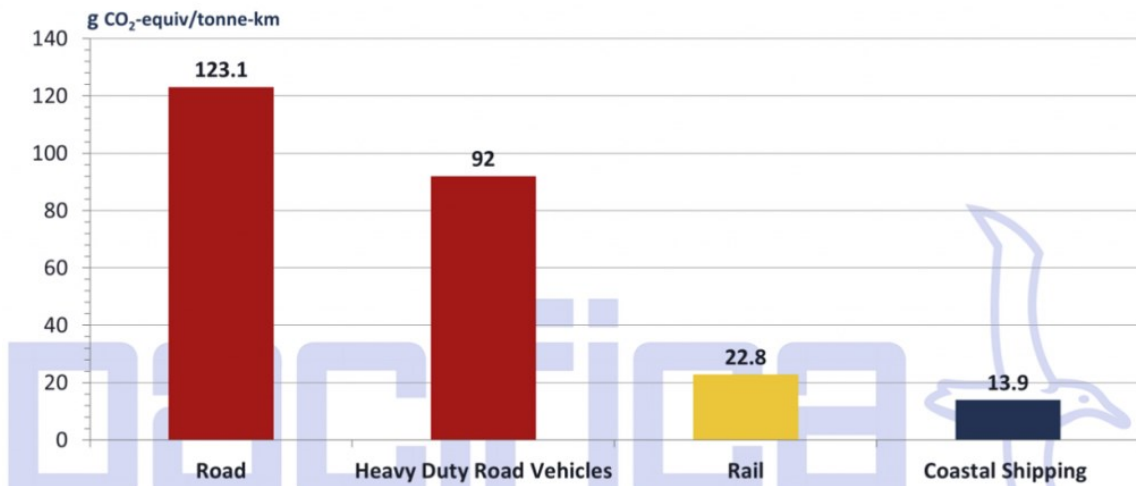
Shipping is the least environmentally damaging mode for moving freight in New Zealand. Compared to land-based transport it is a relatively minor contributor to CO2 emissions.

Shipping carries approx. 90% of global freight by volume but produces only 5% of total CO2 emissions. In New Zealand, 15% of domestic freight volume is moved via coastal shipping.

Moving cargo by sea is also 7-8 times more fuel efficient than road transport, and nearly twice as efficient as rail, on a tonne per kilometre basis.

For our environmental integrity, coastal shipping is a safe and sustainable way to move long-haul freight, in addition to helping reduce road congestion.

Grammes of CO<sub>2</sub>-equiv/ tonne-km



**Coastal shipping** emits **the least CO<sub>2</sub>/tonne-kilometre** among the 3 freight transportation modes

\* 2018 Data

**Fuel Efficiency**

Coastal Ships are approximately **6 times more** fuel efficient (measured per tonne/km) than a medium sized truck

**Less CO<sub>2</sub> Emission**

On a tonne/km basis, coastal shipping generates approx. **13% of road** transport vehicles', and **60% of rail's** carbon emission

\* 2018 Data