

# TRANSPORTATION

## Marine shipping

The shipping industry is one of the world's largest emitters of greenhouse gases (GHGs). If it were a country, it would be the world's sixth-biggest climate polluter. Canada must take steps to address the climate impacts of marine shipping and to ensure the industry is held to account. In addition to GHG and black carbon emissions, polluting discharges, fuel spills, marine mammal strikes, and underwater noise from ships can severely impact critical habitat and Indigenous and community food security and health.

**Total Recommended Investment:  
\$135 million over five years**

**Accelerating zero-emission shipping:**

- 1. Zero-emission vessels: \$20 million over two years** for R&D and sea trials to meet the target of 100% zero-emission vessels in Canadian inland waters by 2030. [TC]
- 2. GHG Emission Reduction Innovation Fund: \$10 million over two years** to provide advisory and capacity-building services to assist with vessel design, retrofit and testing for wind-assist, solar, electrification, autonomous technology and digitalization, and hull appendages. [TC, NRCan]
- 3. Alternative fuels: \$100 million over five years** to ensure alternative fuels are available at Canadian ports to ensure full decarbonization of Canadian shipping before 2050. Consideration should only be given to alternative fuels that offer significant life-cycle GHG benefits on a well-to-wake basis, including land-use change emissions. Liquefied natural gas, liquefied petroleum gas, and other fossil fuels should be excluded. [TC, ECCC, HICC]

- 4. Marine fuel carbon pricing: \$5 million over two years** to develop and implement a policy instrument to explicitly include domestic shipping in the Canadian carbon pricing system. [TC, ECCC, DFO]

**Tools to generate revenue:**

- **Vessel pollution control fund:** Require the collection of fees from vessels and deposit such fees in the fund to apply in the innovation programs specified above. [TC]
- **Cruise tourism fee:** Require the collection of a fee for every cruise passenger entering Canadian waters to fund an initiative, equivalent to the Indigenous Guardians Program or Alaska's Ocean Ranger Program, to monitor and enforce compliance with federal requirements pertaining to ship discharges and speed, as well as regional recommendations. [TC]
- **Insurance fund:** Establish a legally enforced insurance fund paid by the marine sector for public health and environmental impacts on local and Indigenous communities. This fund would ensure that there is proper compensation for those people amid any potential disruption or disaster. [TC]

### Contact

Sam Davin – sdavin@wwfcanada.org