

The Vancouver Fraser Port Authority, in collaboration with the Province of British Columbia and TransLink, is proposing a new initiative to explore alternative fuel source container trucks with the participation of the container trucking community.

The program will explore and trial new technologies, and the accompanying infrastructure, to support the evolution of the industry and the future of the gateway.



The port authority, the province, and TransLink are planning to launch a pilot program, with the support of energy suppliers, infrastructure providers, vehicle manufacturers, vehicle dealers, container trucking companies, and drivers, to explore the use of alternative energy vehicles in Vancouver's container trucking industry.

The pilot program is being driven by the growing success of alternative energy vehicles for both personal and commercial use. During the pilot, companies and drivers will have the opportunity to trial alternative energy sources and vehicles, including Class 8 on-road trucks and yard trucks. The goals are to ensure successful trials of low-emission and alternative energy vehicles, increase awareness of viable options, and provide a positive experience for drivers using alternative energy sources. Feedback during the pilot will promote proactive thinking about future infrastructure requirements needed for the trucking industry's continued growth.

Shore power allows cruise and container ships to use electricity at port

EcoAction offers discounted harbour dues for ships using clean technologies and low-sulphur fuels

Non-Road Diesel Emissions Program offers incentives to terminals that upgrade old equipment to cleaner models

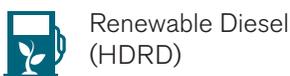
Climate Smart Program helps port tenants measure and reduce greenhouse gases

Learn more at portvancouver.com/environment

Creating a new heavy-duty vehicle incentive program

Expanding the Clean Energy Vehicle Medium/Heavy-Duty program to support transition to zero-emission vehicles and fuels

Learn more at cleanbc.gov.bc.ca



Exploring ways to accelerate uptake of low- and zero-emission Heavy Commercial Vehicles

Support for optimizing container drayage at the Port of Vancouver

80% reduction of GHG emissions and 100% renewable energy use across TransLink's entire fleet by 2050

Learn more at TransLink.ca



Ports of Los Angeles, Long Beach and Oakland, California, USA

Hydrogen fuel cell: Toyota began testing a truck with a 200-mile range on a 20-minute charge in 2017. A 300-mile-range truck is being tested in 2018.

Electric battery: BYD began testing a truck with a 100-mile range in 2018.

Natural Gas: TTSI is operating natural gas drayage trucks.

The Port Authority of New York & New Jersey, USA

Green fleet: Since 2016, more than 80% of the on-road fleet has been transitioned to alternative fuels, including over 350 heavy duty trucks.

Electric battery: In 2017, the port authority began testing BYD battery electric Class 8 yard trucks.

The pilot program is proposed to launch in 2019 as per the following strategy.



Study of alternative fuels

A study has been completed to determine the viability of alternative fuel sources and vehicles within the Vancouver gateway.

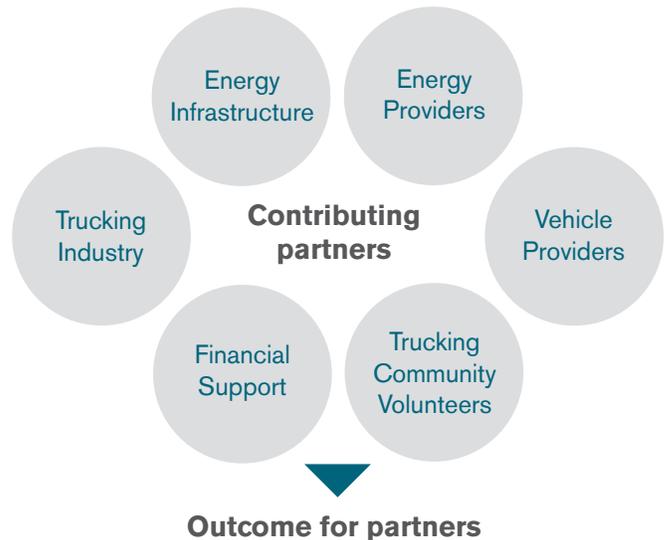
Partners and sourcing

The port authority is seeking support from partners and energy suppliers to provide trucks and sources of alternative energy for the pilot program.

Pilot program, feedback and next steps

The pilot program will provide critical feedback from owner-operators and trucking companies about the different trucks and fuel sources tested during the program. This feedback will directly influence potential policy development, incentives and future infrastructure planning.

In order to carry out the pilot program, the port authority is looking for support from the following contributing partners.



1	Alternative energy trials and media exposure
2	Drayage industry support
3	Positive externalities
4	Environmental benefits
5	First-to-market sales and experience

Contact:

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