



# Hydrogen 101: Support for Transportation



## How the B.C. market is evolving

- ZEVs over 9% of LDV sales in first half of 2019
- Over 22,000 ZEVs in BC
- Since May 1, doubling of uptake in incentive program
- Moving along the market transformation curve from “innovators” to larger segment of “early adopters”

# Zero-Emission Vehicles Act

***ZEV Targets: 10% by 2025, 30%  
by 2030, 100% by 2040***

- Provides consumers with more choice
- Meet increasing demand for ZEVs in a variety of models and price ranges
- Provide regulatory certainty for achieving CleanBC targets





# Investments in Hydrogen

**\$4.75 million invested**

Hydrogen Stations:

- Network of 6 public hydrogen fuelling stations by 2020

Fleet adoption:

- minimum of 25 FCEVs on the road in B.C.





# Budget 2019

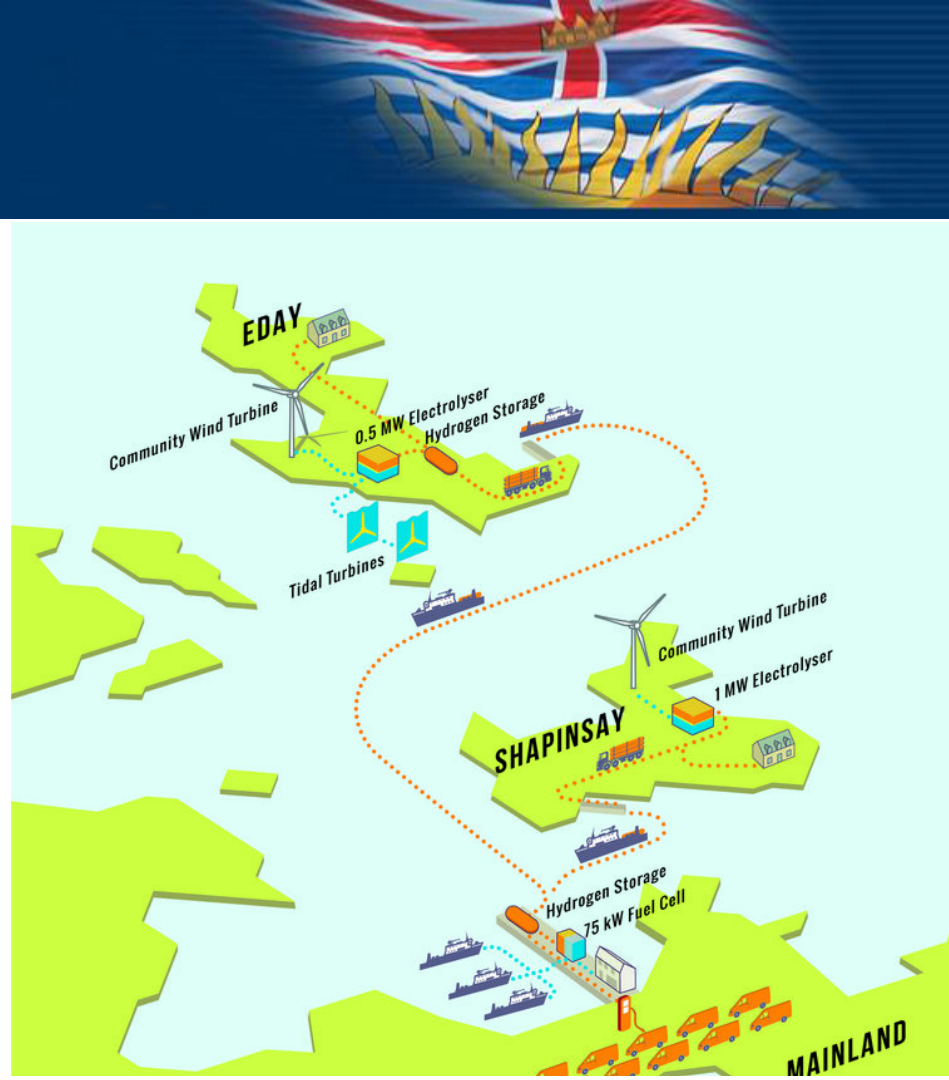
## Go Electric Program

- Light-duty vehicle incentive (\$42m)
- Public charging and hydrogen (\$20m)
- Home and workplace charging (\$5m)
- Commercial vehicles (\$10m)
- Fleet support LD (\$6m)
- Training/ research + commercialization (\$6m)
- Public outreach/implementation (\$1m)



# Surf n' Turf

- Orkney Islands (Scotland)
- Year-round wind/tidal resources
- Excess renewable energy converted to  $H_2$  via 0.5MW and 1MW electrolyzers
- Compressed  $H_2$  transported by ship (ferry)
- Used to generate electricity and heat on demand
- Development of local training facility
- Project launched Sept 2017
- First  $H_2$  delivery Oct 2017





Thank you

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Visit: [www.gov.bc.ca/cleanenergyvehicleprogram](http://www.gov.bc.ca/cleanenergyvehicleprogram)