Electrification of Transportation

A Utility Perspective

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June 14, 2018
FortisBC: Overview

- Subsidiary of Fortis Inc
- Serves **1.2 million** homes and businesses
- Delivers **21 per cent** of the energy consumed in B.C.
- Over **2,200** employees and **135** communities across BC
- **56 Indigenous** communities served
- Gross asset base of **$8.7 billion**
Our Role in Decarbonizing BC’s Transport Industry

• Widespread adoption of low carbon transport requires expansion of charging/fueling infrastructure which can have challenging economics for private investment

• Regulated utility ownership and/or investment can recover costs over longer timeframe

• Creates more competitive rates for EV owners with lower charger utilization which feeds back into greater adoption

• Utility ownership has other key benefits including:
  • Integrated planning between EV demand and distribution and supply, optimizes infrastructure
  • Potentially fewer conflicts with existing regulations and less actors to coordinate
  • Can extend access for more difficult to reach market segments
Decarbonizing Transport a Provincial Policy Objective

• BC’s 2016 Climate Leadership Plan recognizes importance of EVs, natural gas and renewable natural gas

• BC government through the Greenhouse Gas Reduction Regulation (2012 and 2017) enabling utilities:
  • Incentives to use electricity instead of other sources of energy that produce more GHGs and associated infrastructure
  • Over $200 million in funding for natural gas transport solutions including natural gas vehicles and fueling infrastructure and renewable natural gas

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FortisBC Advancing EV Infrastructure

- Our role is to facilitate the expansion of this emerging market
- FortisBC has applied to BCUC for rates for 5 DC fast chargers
- Half-hourly rate of $9 based on cost of service
- Rate design and role of regulation being considered by BCUC in the Inquiry into the Regulation of EV Charging Service
FortisBC advancing Low Carbon Infrastructure in Medium, Heavy-Duty and Marine Transport

**CNG**
- 206 Waste Haulers
- 290 Buses
- 94 Delivery Trucks

**LNG**
- 158 Heavy Duty Trucks
- 6 Mine Haul Trucks
- 5 Ferries
- 2 Cargo Ferries