

Electrification of Transportation

A Utility Perspective

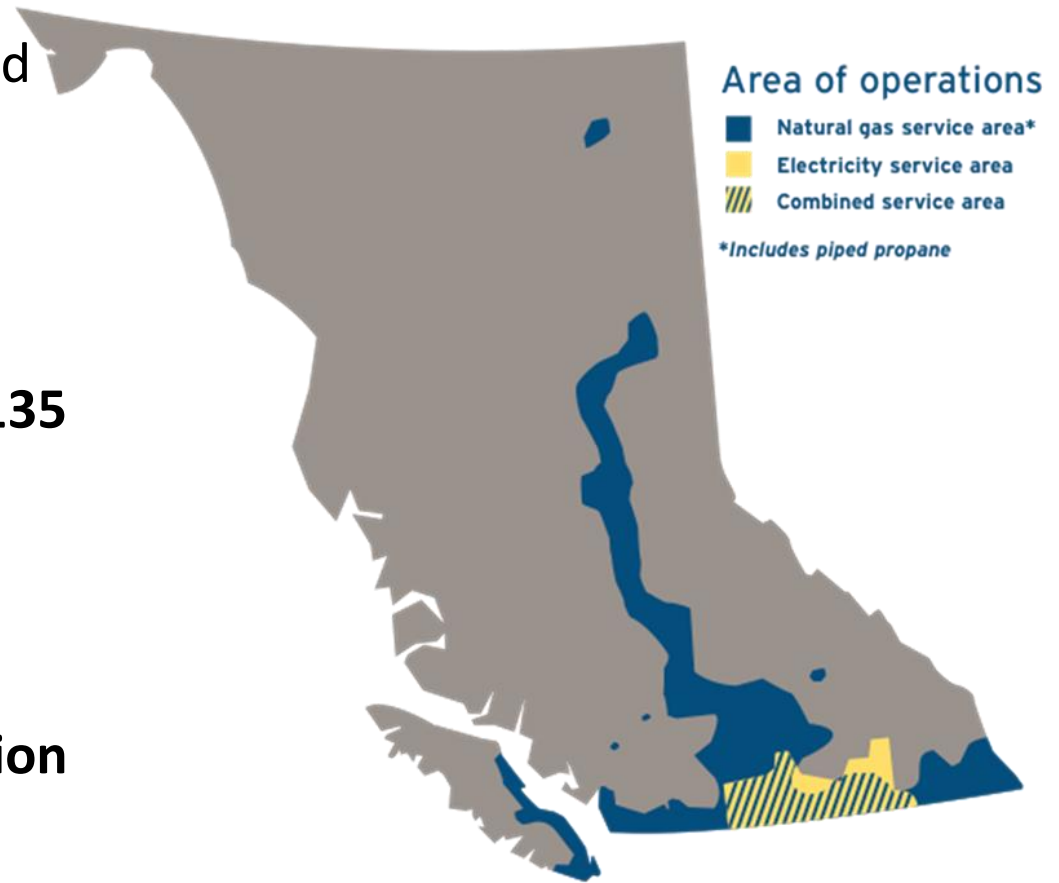
David Bennett – Director, External Relations and Communications

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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**



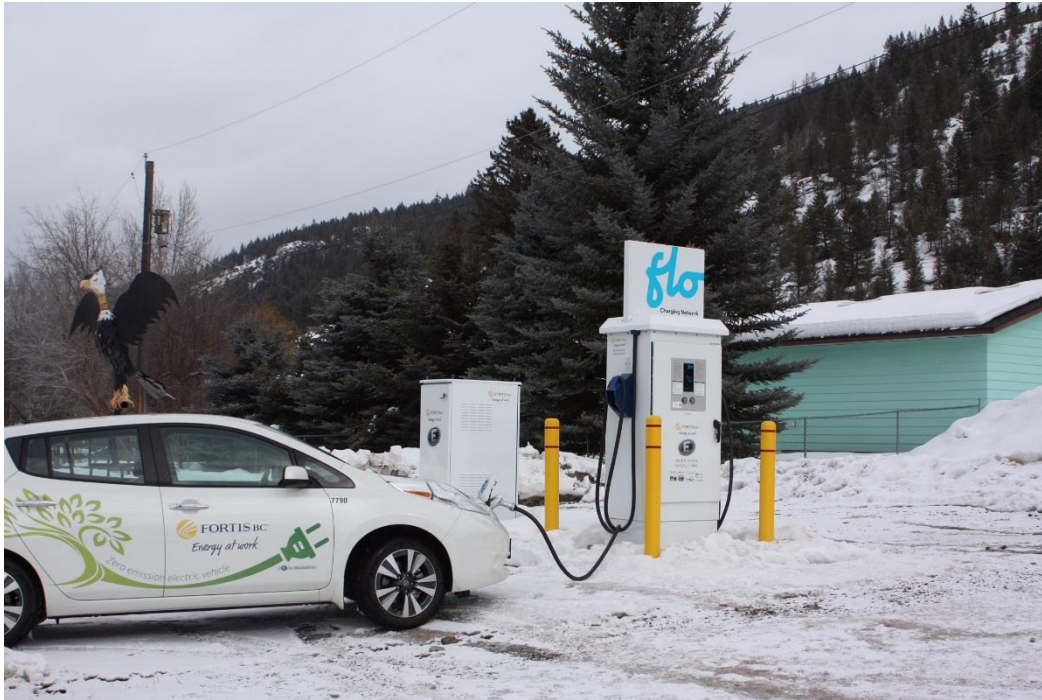
Our Role in Decarbonizing BC's Transport Industry

- 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

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