

**Date Submitted:** January 01, 2019

**Proceeding name:** BCUC Regulation of Electric Vehicle Charging Service Inquiry-Phase 2

**Are you currently registered as an intervener or interested party:** No

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**Comment:**

Since I am not familiar enough with the structures of a business, my only opinion is that we need to have a systematic range of DC fast charging stations for EVs radiating from every city center in BC, that all lead to a chain of charging stations spanning Hwy 1 to the border of Alberta. A sensible system would be to locate one charger every 40 miles, in a zig-zag fashion with one on one side of the highway then the next on the other side. These chargers need to be able to accept credit cards or debit cards, and need to charge a fee of the wholesale rate per kw hour plus 5% to cover taxes, installation and maintenance costs (procured from a loan, and not the ratepayers). (Can the ratepayers recover from the BC Liberal Party monies taken from BC Hydro (and ICBC) over their time in power so they could announce that they had balanced their budget?) Whether the best way to proceed with this infrastructure would be through an exempt or non-exempt public utility or to create a separate non-regulated business entity or umbrella organization, I do not know. As to what to do with any stranded assets, could they be sold off or kept for back up? Anyway, one justification for the installation of EV charging services is that a legislated conversion to EVs is inevitable, consequently Section 3(1) of the Electrical Safety Regulation needs to be amended to include EV charging stations as infrastructure in the “distribution of electrical energy.” (With so many storms regularly putting out the electrical grid in exposed regions, the above-ground suspended electrical wiring needs to be updated to a system of underground wires encased in interconnecting plastic pipeline). AND, the obligation to serve EV charging customers is detailed in the following article from the Chilliwack Progress: Would you turn on the car in a closed garage and breath? No because that is carbon monoxide. Well, burning fossil fuels create carbon monoxide that builds up in congested downtown areas. Carbon monoxide passes through the lungs into the blood stream causing hardening of the arteries and inflammation of the heart. Carbon monoxide does grab an oxygen to become carbon dioxide (CO2) and carbon dioxide itself causes headaches and obstructs breathing. Carbon (C) holds heat and water (like briquettes do). "Atmospheric carbon dioxide acts as a thermostat in regulating the temperature of Earth," NASA says, “There is no viable alternative to counteract global warming except through direct human effort to reduce the atmospheric CO2 level.” As well, polar ice helps to cool the air that gets circulated, like an air conditioner, but the hotter the air gets the more it melts. An ever increasing number of people on the planet, along with their

industrialization, means our growing emissions from fossil fuels are consuming more life giving oxygen and producing a disproportionate amount of CO<sub>2</sub> from nature's own balance. The amount of oxygen is subject to the health and availability of plant life. (Oxygen is held in our atmosphere by gravity, as is CO<sub>2</sub> and pollution.) To top it all off, the production of oil makes a big mess. Check out online the 14 year old Taylor oil spill in the Gulf.