Date Submitted: May 16, 2021

Proceeding name: BC Hydro Public EV Fast Charging Rate

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

Name: Bruce Stout

City: North Vancouver

Province: British Columbia

Email: [redacted]

Phone number: [redacted]

Comment:
My wife and I have driven over 220,000 kilometers in our Battery Powered Electric Vehicles since 2013 and believe that reasonable rates should be charged for the use of BC Hydro installed EVSE equipment ensuring its maintenance. The former Free charging structure saw the equipment unavailable to drivers that needed a charge to travel due to overuse because their was no cost.

Has Attachment:
True

BCUC Submission 2021May16

R Bruce Stout
North Vancouver BC
[redacted]

BC Hydro must be allowed to charge drivers for the usage of Battery Powered Electric Vehicle Charging Stations and the current rates proposed of 12 cents, 21 cents and 27 cents per minute are a good starting point.

However, per minute charging is the wrong measurement - the rate needs to be based upon the actual quantity of kilowatts of energy consumed.

With the introduction of pay for charging on May 1, 2021 the congestion at BC Hydro charging stations has been eliminated, as only drivers actually needing a charge are using these stations.

My history as a BEV driver:

I have driven a Battery Powered Electric Vehicle (BEV) since I purchased a Nissan Leaf in March of 2013. I drove that Nissan Leaf 63,000 Kms during the 3 years I owned it, and traded it in on another BEV in June 2016.

A year after buying the Nissan Leaf in March 2013, we became a 100% BEV family when we purchased our second BEV, a TESLA Model S 85, in June of 2014 which we drove 80,000 km over the 3 years we owned it.

This included a 18,950 Km trip across Canada from North Vancouver, BC to Halifax, NS and back which was accomplished between May 5 and June 10, 2015 as part of a rally sponsored by Sun Country Highway to use their level 2 charging stations that were installed in 2012.

My wife and I currently drive BEVs and together have driven over 220,000 electric kilometers.

We currently charge our vehicles at home, using the charging cable that was supplied with our vehicles, which provides us with 28 additional kilometers per hour using a 240 Volt 30 amp circuit at an approximate electricity cost of 75 cents per hour. In 5 hours we add 140 kilometers range which costs approximately $3.75.

When we use a BC HYDRO level 3 DCQC we will accumulate an additional 140 kilometers per hour at a cost of 21 cents per minute or $12.60 per hour.

While this cost is almost four times higher than our home charging cost, it should be noted that we only need to charge for a ONE HOUR period of time rather than FIVE HOURS.

Our other option is to use the even faster TESLA Supercharger network which adds TWICE the additional range at a cost of 22 cents per minute.

However, it should be noted that there are no Tesla Superchargers in Clinton, Cache Creek, Campbell River or Port McNeill BC and the BC Hydro level 3 DCQC charging stations are a valuable resource for BEV drivers in BC travelling to those destinations.

Please email me if you would like further information.

R Bruce Stout