

Attachment 1 – Electric Vehicle Charging in Port Moody

Figure 1: August 2018 to September 2019 EV Charging Sessions

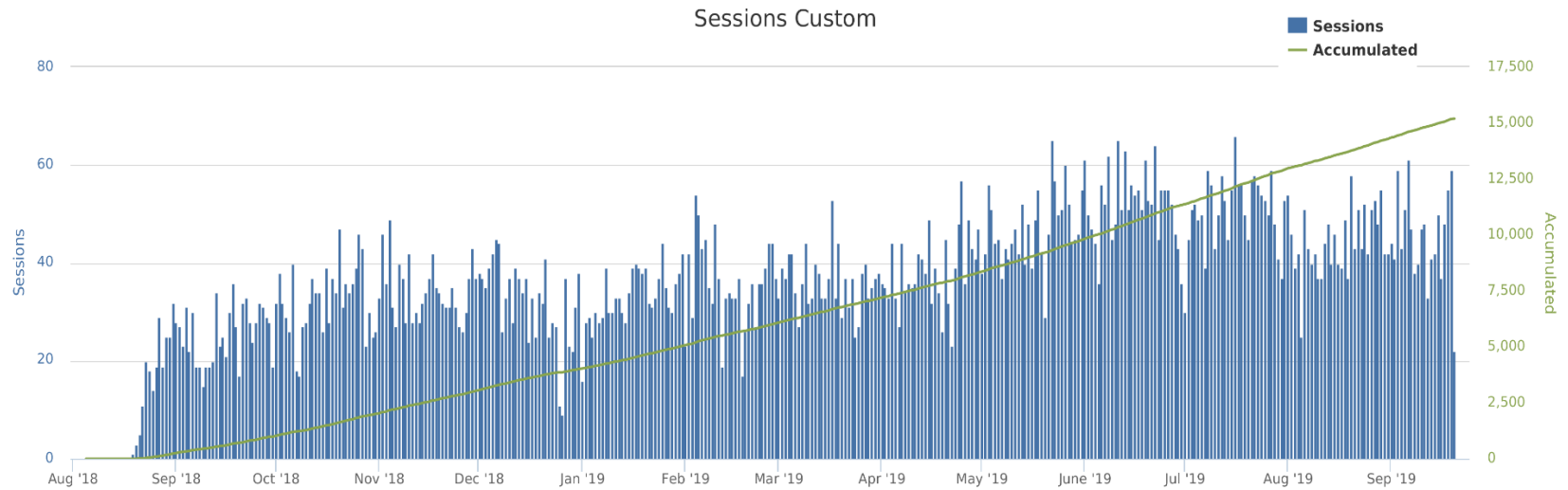


Figure 2: August 2018 to September 2019 Unique Drivers

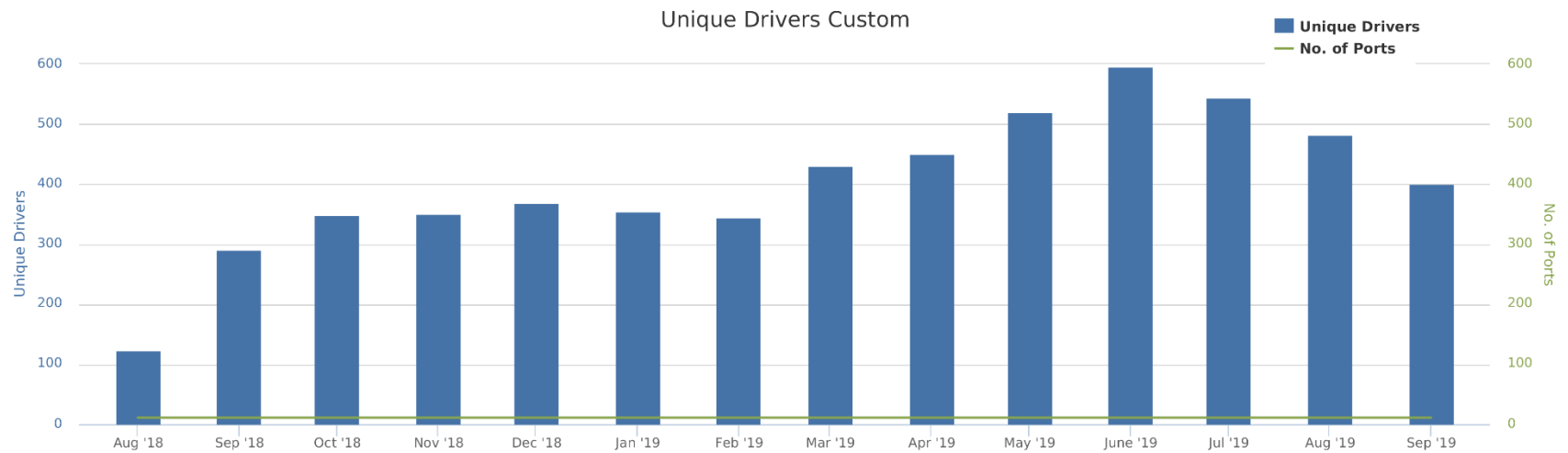


Figure 3: EV Charging Station Locations in Port Moody



Other Information:

Average session length = 2 hours and 22 minutes

Charging activity is steady throughout the day and is in highest demand in the evenings between 5:00 PM and 7:00PM with a peak at 7:00PM

Total energy used to date (September 20, 2019) = 107.7 MWh

*Total Energy Costs to date (September 20, 2019) = \$6,528.59

**Costs are estimated based on an energy charge of \$.0606/kWh. This is the energy cost the City pays to BC Hydro under the Large General Service rate class. Since electrical service for all stations is fed off of panels from main City facility building sites and is not sub-metered, other utility charges specific to the EV charging stations cannot be inferred at this time and are consolidated on the building energy bill. For example, daily charges, demand charges, and power factor charges specific to the stations cannot be broken out of the main building utility charges. Therefore actual costs incurred by the City for operation of the stations is expected to be higher than reported here.*