

**Name: Bryan Brooking**

**BCUC INQUIRY RESPECTING SITE C**

**F 187-1**

**Organization: B.C. Brooking & Associates Inc.**

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**The Site C Inquiry's Preliminary Report appears to make only limited reference to the demand for electric vehicle charging.**

**The power generation capacity of Site C is given as 5,100 Gigawatthours per year. In reading the Report, anything related to the future demand for power seems to have dropped off the radar, or at least assumed a back seat in terms of the Commission's questions and concerns for moving forward.**

**Electric vehicles require around 20 kilowatthours of power per 100 km driven. Based on an average of 15,000 km per year driven by cars, this translates to 3,000 kilowatthours per year per vehicle. There are over 2 million cars in BC. When only 1 million have converted to electric, their demand for power will be 3,000 Gigawatthours per year, over half of Site C's capacity. So Site C will likely only handle the growing demand for electric vehicle recharging at some point in the future. Those 450,000 homes talked about will need to get their power from other sources - those sources that are tossed about as alternatives to Site C.**

**We don't know at what point in the future electric vehicle charging will absorb Site C's generating capacity, but I feel certain that the pace of demand for electric cars will increase at a faster rate than current expectations, particularly given recent world climatic events.**

**Thank you ..... Bryan Brooking**