



April 14, 2015

RE: Camosun College's Solar Powered Charging Station

To Whom It May Concern,

It is my pleasure to affirm that Camosun College's Solar Powered Charging Station and Tools Project fulfills the criteria of the STARS Innovation Credit.

HES PV is a Victoria based PV distributor and system designer. We have been in the Canadian solar industry for over 25yrs. Camosun's dedication to sustainability aligns with the values of HES PV, thus, the partnership that formed around the Solar Powered Charging Station and Tools project was a natural fit.

Camosun College is dedicated to advancing sustainable initiatives that result in decreasing its environmental footprint while creating positive impacts within the community. One way in which Camosun is doing this is by taking steps to reduce its energy consumption. The Solar Powered Station and Tools Project reduces energy consumption by offsetting the charging of electric vehicles, bikes, scooters, grounds keeping golf carts and battery powered hand tools. HES PV, provided a 4 KW Solar Photovoltaic (PV) array and worked with Electrical Apprentice students to install it at Interurban campus in 2013.

The goal of the project is to show that many forms of high carbon gas powered equipment can be converted to electric and that the sun's energy provides more energy than is required by all the charging stations. This has clearly been achieved as can be seen through the monitoring website (<http://egauge7835.egaug.es/>). In the last year, 4.86 MWh's of energy was generated by the array, saving the college approximately \$500 and displacing approximately 17,776 kg of GHG.

The energy provided by the array, which feeds power directly into Camosun's electrical grid, along with the energy consumed by the various charging stations is fully monitored by the Electronics and Mechanical Engineering Technology students, providing an ongoing learning experience for students to come. For these reasons, the project is innovative and advances Camosun's sustainable practices. Additionally, using the project as a living lab and as an educational tool means that the entire campus and community has benefited.

Regards,

A handwritten signature in black ink, appearing to read 'Ed Knaggs', is written in a cursive style.

Ed Knaggs, P.Eng.  
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