

**UBC SUSTAINABILITY SCHOLARS
Summer 2018**

Research Project Title

Local Government Levers for Action on Electric Vehicle Charging Stations

Goal or Operations Plan objective

Green Transportation

Long Term Goal: Advance the adoption of Electric Vehicles across British Columbia

Outline scope of project and why it is of value to your organization. Describe how and when the scholar's work will be actionable.

- Identify levers (e.g., zoning bylaws, outreach, building code, property tax, etc.) that local governments can utilize in order to drive the installation of EV charging stations for public and non-public charging.
- Work with local governments to rank the levers by cost, ease of implementation, and ability to meet intended outcomes.
- Work with local governments to identify lessons learned and pathways related to using the identified levers.
- The intention of this project is to identify both known levers that are already in use by one or more local governments, as well as levers that may not have been considered as an opportunity to encourage EV charging uptake.
 - Methods will include, but are not limited to, literature review, cost/benefit analysis, and a resource scan (e.g., BC Hydro CEMA-EV tool, Plug In BC calculators, EVCondo.ca EV-Friendly Map, etc.).

Deliverables

- A final report, containing a summary of completed work with recommendations, complemented by a final presentation to key stakeholders.
- A set of case studies on the identified levers, their cost, ease of implementation, and ability to meet intended outcomes.
- A summary of action taken by local governments to further the adoption of Electric Vehicles
- Executive Summary for the UBC Sustainability Scholars online project library.

Time Commitment

- This project will take **250*** hours to complete.
- This project must be completed between **April 30** and **August 10**.
- The scholar is to complete hours between Monday and Friday, 9am to 5pm, approximately **20** hours per week.
- Desk space will be available at the Fraser Basin Council office in downtown Vancouver

Skill set/background required/preferred

- ☒ Excellent research and writing skills.
- ☒ Strong writing skills
- ☒ Strong presentation and public speaking skills
- ☒ Strong analytical skills
- ☒ Ability to work independently
- ☒ Project management and organizational skills
- ☒ Familiarity with qualitative research methodologies and implementation
- ☒ Experience with financial modelling and analysis
- ☒ Familiarity with electric vehicles
- ☒ Familiarity with the Local Government Act and the Vancouver Charter

Submit applications here: <http://bit.ly/2DC2jpP>