

Summer 2021 Sustainability Scholars Program Internship Opportunity

The UBC Sustainability Initiative (USI) is pleased to offer current UBC graduate students the opportunity to work on funded sustainability internship projects. Successful candidates work under the mentorship of a partner organization, and are immersed in real world learning where they can apply their research skills and contribute to advancing sustainability across the region.

- Visit the [Sustainability Scholars Program website](#) to learn [how the program works](#) and to [apply](#).
- Be sure to review the [application guide](#) to confirm your eligibility before applying.

Applications close at midnight on Sunday January 31, 2021.

Research project title

Metro Vancouver Green Fleet Strategy Development

Project description

Overview:

To align with Corporate Climate Action plans, Metro Vancouver fleet vehicles and equipment fuels will need to transition to low carbon/emissions sources with the following targets:

- 45% emissions reduction from 2010 levels, by 2030
- Carbon neutral by 2050

Initial progress towards these targets have been made with the adoption of cleaner technologies such as hybrid electric and battery electric vehicles. Current challenges for further electrification of Metro Vancouver's fleet include:

- Limitations to available automotive technology
- Regional travel with long distances between worksites and satellite offices
- Critical assets for emergency response

Purpose of the Project:

Further development is needed for Metro Vancouver's Green Fleet Strategy to help identify how the emissions reduction targets will be achieved along with any potential risks and/or challenges. Research in the following areas should be explored further as input for developing the Green Fleet Strategy:

- Current levels of fleet GHG (Green House Gas) emissions
- Renewable fuels
- Developing technologies (GPS, Anti-idling, Hydrogen fuel cell, etc.)
- Life cycle impacts

Deliverables

The Scholar will deliver a final report containing a summary of their completed work complemented by a final presentation to key stakeholders. The report should include:

- Summary of current fleet GHG emissions by fuel type
- Summary of research and interviews with stakeholders
- A final report, containing a summary of completed work with recommendations, complemented by a final presentation to key stakeholders
- A final report (or 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 **May 3 and August 13, 2021**.
- The scholar is to complete hours between **7 am to 3 pm, and Monday to Friday**, approximately **20** hours per week.

Required/preferred Skills and Background

- Excellent research and writing skills
- Demonstrated interest in sustainability
- Experience conducting stakeholder engagement events, including facilitation skills, is an asset
- Familiarity with research methodologies and survey techniques
- Statistical analysis
- Strong analytical skills
- Ability to work independently
- Deadline oriented
- Project management and organizational skills
- Familiarity preparing feasibility studies
- Familiarity with analysing and comparing GHG data
- Familiarity with fleet management/engineering, battery/vehicle technologies, fuels and alternative/renewable energy an asset.

Applications close **midnight Sunday January 31, 2021**

Apply here: [Click here to apply](#)

Contact Karen Taylor at sustainability.scholars@ubc.ca if you have questions

Useful Resources

We are holding a special **resume preparation workshop for prospective Scholars** on January 19. [Click here for details and to register.](#)

Below are some links to useful resources to help you with your resume and cover letter (there are many more online). Some of these resources also provide information on preparing for your interview.

<https://students.ubc.ca/career/career-resources/resumes-cover-letters-curricula-vitae>

<https://www.grad.ubc.ca/current-students/graduate-pathways-success>

SUSTAINABILITY SCHOLARS PROGRAM

<https://www.grad.ubc.ca/cover-letter-cv-resume-templates-ubc-career-services>